

## Table of Two Variable Expressions

Notes: EXP(x) means  $10^x$ , log means the common logarithm, ln means the natural logarithm. Many of the machine generated formulas given here could be simplified or typeset in a more natural way.

A few of the expressions are too large to fit into one line.

The first column gives the line number, the second the expression number, and the third the number of the scale combination.

|    |   |    |               |      |      |      |       |
|----|---|----|---------------|------|------|------|-------|
| 1  | 1 | 1  | $xy$          | CD   | CD   | CD   | PLUS  |
| 2  | 1 | 2  |               | CD   | CDI  | CD   | MINUS |
| 3  | 1 | 3  |               | CD   | CDF  | CDF  | PLUS  |
| 4  | 1 | 4  |               | CDI  | CD   | CDI  | MINUS |
| 5  | 1 | 5  |               | CDI  | CDI  | CDI  | PLUS  |
| 6  | 1 | 6  |               | CDI  | CDIF | CDIF | PLUS  |
| 7  | 1 | 7  |               | CDF  | CD   | CDF  | PLUS  |
| 8  | 1 | 8  |               | CDF  | CDI  | CDF  | MINUS |
| 9  | 1 | 9  |               | CDF  | CDIF | CD   | MINUS |
| 10 | 1 | 10 |               | CDIF | CD   | CDIF | MINUS |
| 11 | 1 | 11 |               | CDIF | CDI  | CDIF | PLUS  |
| 12 | 1 | 12 |               | CDIF | CDF  | CDI  | MINUS |
| 13 | 1 | 13 |               | AB   | AB   | AB   | PLUS  |
| 14 | 1 | 14 |               | AB   | ABI  | AB   | MINUS |
| 15 | 1 | 15 |               | ABI  | AB   | ABI  | MINUS |
| 16 | 1 | 16 |               | ABI  | ABI  | ABI  | PLUS  |
| 17 | 1 | 17 |               | K    | K    | K    | PLUS  |
| 18 | 1 | 18 |               | K    | KI   | K    | MINUS |
| 19 | 1 | 19 |               | KI   | K    | KI   | MINUS |
| 20 | 1 | 20 |               | KI   | KI   | KI   | PLUS  |
| 21 | 2 | 1  | $\frac{x}{y}$ | CD   | CD   | CD   | MINUS |
| 22 | 2 | 2  |               | CD   | CDI  | CD   | PLUS  |
| 23 | 2 | 3  |               | CD   | CDIF | CDF  | PLUS  |
| 24 | 2 | 4  |               | CDI  | CD   | CDI  | PLUS  |
| 25 | 2 | 5  |               | CDI  | CDI  | CDI  | MINUS |
| 26 | 2 | 6  |               | CDI  | CDF  | CDIF | PLUS  |
| 27 | 2 | 7  |               | CDF  | CD   | CDF  | MINUS |
| 28 | 2 | 8  |               | CDF  | CDI  | CDF  | PLUS  |
| 29 | 2 | 9  |               | CDF  | CDF  | CD   | MINUS |
| 30 | 2 | 10 |               | CDIF | CD   | CDIF | PLUS  |
| 31 | 2 | 11 |               | CDIF | CDI  | CDIF | MINUS |
| 32 | 2 | 12 |               | CDIF | CDIF | CDI  | MINUS |
| 33 | 2 | 13 |               | AB   | AB   | AB   | MINUS |
| 34 | 2 | 14 |               | AB   | ABI  | AB   | PLUS  |
| 35 | 2 | 15 |               | ABI  | AB   | ABI  | PLUS  |

|    |   |    |
|----|---|----|
| 36 | 2 | 16 |
| 37 | 2 | 17 |
| 38 | 2 | 18 |
| 39 | 2 | 19 |
| 40 | 2 | 20 |

|    |   |    |                |
|----|---|----|----------------|
| 41 | 3 | 1  | $\frac{1}{xy}$ |
| 42 | 3 | 2  |                |
| 43 | 3 | 3  |                |
| 44 | 3 | 4  |                |
| 45 | 3 | 5  |                |
| 46 | 3 | 6  |                |
| 47 | 3 | 7  |                |
| 48 | 3 | 8  |                |
| 49 | 3 | 9  |                |
| 50 | 3 | 10 |                |
| 51 | 3 | 11 |                |
| 52 | 3 | 12 |                |
| 53 | 3 | 13 |                |
| 54 | 3 | 14 |                |
| 55 | 3 | 15 |                |
| 56 | 3 | 16 |                |
| 57 | 3 | 17 |                |
| 58 | 3 | 18 |                |
| 59 | 3 | 19 |                |
| 60 | 3 | 20 |                |

|    |   |    |               |
|----|---|----|---------------|
| 61 | 4 | 1  | $\frac{y}{x}$ |
| 62 | 4 | 2  |               |
| 63 | 4 | 3  |               |
| 64 | 4 | 4  |               |
| 65 | 4 | 5  |               |
| 66 | 4 | 6  |               |
| 67 | 4 | 7  |               |
| 68 | 4 | 8  |               |
| 69 | 4 | 9  |               |
| 70 | 4 | 10 |               |
| 71 | 4 | 11 |               |
| 72 | 4 | 12 |               |
| 73 | 4 | 13 |               |
| 74 | 4 | 14 |               |
| 75 | 4 | 15 |               |
| 76 | 4 | 16 |               |
| 77 | 4 | 17 |               |
| 78 | 4 | 18 |               |

|     |     |     |       |
|-----|-----|-----|-------|
| ABI | ABI | ABI | MINUS |
| K   | K   | K   | MINUS |
| K   | KI  | K   | PLUS  |
| KI  | K   | KI  | PLUS  |
| KI  | KI  | KI  | MINUS |

|      |      |      |       |
|------|------|------|-------|
| CD   | CD   | CDI  | PLUS  |
| CD   | CDI  | CDI  | MINUS |
| CD   | CDIF | CDIF | PLUS  |
| CDI  | CD   | CD   | MINUS |
| CDI  | CDI  | CD   | PLUS  |
| CDI  | CDIF | CDIF | PLUS  |
| CDIF | CD   | CDIF | PLUS  |
| CDIF | CDI  | CDIF | MINUS |
| CDIF | CDIF | CDI  | MINUS |
| CDIF | CD   | CDIF | MINUS |
| CDIF | CDI  | CDIF | PLUS  |
| CDIF | CDIF | CD   | MINUS |
| AB   | AB   | ABI  | PLUS  |
| AB   | ABI  | ABI  | MINUS |
| ABI  | AB   | AB   | MINUS |
| ABI  | ABI  | AB   | PLUS  |
| K    | K    | KI   | PLUS  |
| K    | KI   | KI   | MINUS |
| KI   | K    | K    | MINUS |
| KI   | KI   | K    | PLUS  |

|      |      |      |       |
|------|------|------|-------|
| CD   | CD   | CDI  | MINUS |
| CD   | CDI  | CDI  | PLUS  |
| CD   | CDIF | CDIF | PLUS  |
| CDI  | CD   | CD   | PLUS  |
| CDI  | CDI  | CD   | MINUS |
| CDI  | CDIF | CDIF | PLUS  |
| CDIF | CD   | CDIF | MINUS |
| CDIF | CDI  | CDIF | PLUS  |
| CDIF | CDIF | CDI  | MINUS |
| CDIF | CD   | CDIF | PLUS  |
| CDIF | CDI  | CDIF | MINUS |
| CDIF | CDIF | CD   | MINUS |
| AB   | AB   | ABI  | MINUS |
| AB   | ABI  | ABI  | PLUS  |
| ABI  | AB   | AB   | PLUS  |
| ABI  | ABI  | AB   | MINUS |
| K    | K    | KI   | MINUS |
| K    | KI   | KI   | PLUS  |

|     |   |    |                   |      |      |      |       |
|-----|---|----|-------------------|------|------|------|-------|
| 79  | 4 | 19 |                   | KI   | K    | K    | PLUS  |
| 80  | 4 | 20 |                   | KI   | KI   | K    | MINUS |
| 81  | 5 | 1  | $xy\pi$           | CD   | CD   | CDF  | PLUS  |
| 82  | 5 | 2  |                   | CD   | CDI  | CDF  | MINUS |
| 83  | 5 | 3  |                   | CD   | CDIF | CD   | MINUS |
| 84  | 5 | 4  |                   | CDI  | CDIF | CDI  | PLUS  |
| 85  | 5 | 5  |                   | CDF  | CDIF | CDF  | MINUS |
| 86  | 5 | 6  |                   | CDIF | CD   | CDI  | MINUS |
| 87  | 5 | 7  |                   | CDIF | CDI  | CDI  | PLUS  |
| 88  | 5 | 8  |                   | CDIF | CDIF | CDIF | PLUS  |
| 89  | 6 | 1  | $\frac{x\pi}{y}$  | CD   | CD   | CDF  | MINUS |
| 90  | 6 | 2  |                   | CD   | CDI  | CDF  | PLUS  |
| 91  | 6 | 3  |                   | CD   | CDF  | CD   | MINUS |
| 92  | 6 | 4  |                   | CDI  | CDF  | CDI  | PLUS  |
| 93  | 6 | 5  |                   | CDF  | CDF  | CDF  | MINUS |
| 94  | 6 | 6  |                   | CDIF | CD   | CDI  | PLUS  |
| 95  | 6 | 7  |                   | CDIF | CDI  | CDI  | MINUS |
| 96  | 6 | 8  |                   | CDIF | CDF  | CDIF | PLUS  |
| 97  | 7 | 1  | $\frac{1}{xy\pi}$ | CD   | CD   | CDIF | PLUS  |
| 98  | 7 | 2  |                   | CD   | CDI  | CDIF | MINUS |
| 99  | 7 | 3  |                   | CD   | CDIF | CDI  | MINUS |
| 100 | 7 | 4  |                   | CDI  | CDIF | CD   | PLUS  |
| 101 | 7 | 5  |                   | CDF  | CDIF | CDIF | MINUS |
| 102 | 7 | 6  |                   | CDIF | CD   | CD   | MINUS |
| 103 | 7 | 7  |                   | CDIF | CDI  | CD   | PLUS  |
| 104 | 7 | 8  |                   | CDIF | CDIF | CDF  | PLUS  |
| 105 | 8 | 1  | $\frac{y}{x\pi}$  | CD   | CD   | CDIF | MINUS |
| 106 | 8 | 2  |                   | CD   | CDI  | CDIF | PLUS  |
| 107 | 8 | 3  |                   | CD   | CDF  | CDI  | MINUS |
| 108 | 8 | 4  |                   | CDI  | CDF  | CD   | PLUS  |
| 109 | 8 | 5  |                   | CDF  | CDF  | CDIF | MINUS |
| 110 | 8 | 6  |                   | CDIF | CD   | CD   | PLUS  |
| 111 | 8 | 7  |                   | CDIF | CDI  | CD   | MINUS |
| 112 | 8 | 8  |                   | CDIF | CDF  | CDF  | PLUS  |
| 113 | 9 | 1  | $x^2y^2$          | CD   | CD   | AB   | PLUS  |
| 114 | 9 | 2  |                   | CD   | CDI  | AB   | MINUS |
| 115 | 9 | 3  |                   | CDI  | CD   | ABI  | MINUS |
| 116 | 9 | 4  |                   | CDI  | CDI  | ABI  | PLUS  |
| 117 | 9 | 5  |                   | CDF  | CDIF | AB   | MINUS |
| 118 | 9 | 6  |                   | CDIF | CDF  | ABI  | MINUS |

|     |    |   |                      |      |      |     |       |
|-----|----|---|----------------------|------|------|-----|-------|
| 119 | 9  | 7 |                      | W    | W    | CD  | PLUS  |
| 120 | 10 | 1 | $\frac{x^2}{y^2}$    | CD   | CD   | AB  | MINUS |
| 121 | 10 | 2 |                      | CD   | CDI  | AB  | PLUS  |
| 122 | 10 | 3 |                      | CDI  | CD   | ABI | PLUS  |
| 123 | 10 | 4 |                      | CDI  | CDI  | ABI | MINUS |
| 124 | 10 | 5 |                      | CDF  | CDF  | AB  | MINUS |
| 125 | 10 | 6 |                      | CDIF | CDIF | ABI | MINUS |
| 126 | 10 | 7 |                      | W    | W    | CD  | MINUS |
| 127 | 11 | 1 | $\sqrt{xy}$          | CD   | CD   | W   | PLUS  |
| 128 | 11 | 2 |                      | CD   | CDI  | W   | MINUS |
| 129 | 11 | 3 |                      | CDF  | CDIF | W   | MINUS |
| 130 | 12 | 1 | $\sqrt{\frac{x}{y}}$ | CD   | CD   | W   | MINUS |
| 131 | 12 | 2 |                      | CD   | CDI  | W   | PLUS  |
| 132 | 12 | 3 |                      | CDF  | CDF  | W   | MINUS |
| 133 | 13 | 1 | $\frac{1}{x^2y^2}$   | CD   | CD   | ABI | PLUS  |
| 134 | 13 | 2 |                      | CD   | CDI  | ABI | MINUS |
| 135 | 13 | 3 |                      | CDI  | CD   | AB  | MINUS |
| 136 | 13 | 4 |                      | CDI  | CDI  | AB  | PLUS  |
| 137 | 13 | 5 |                      | CDF  | CDIF | ABI | MINUS |
| 138 | 13 | 6 |                      | CDIF | CDF  | AB  | MINUS |
| 139 | 13 | 7 |                      | W    | W    | CDI | PLUS  |
| 140 | 14 | 1 | $\frac{y^2}{x^2}$    | CD   | CD   | ABI | MINUS |
| 141 | 14 | 2 |                      | CD   | CDI  | ABI | PLUS  |
| 142 | 14 | 3 |                      | CDI  | CD   | AB  | PLUS  |
| 143 | 14 | 4 |                      | CDI  | CDI  | AB  | MINUS |
| 144 | 14 | 5 |                      | CDF  | CDF  | ABI | MINUS |
| 145 | 14 | 6 |                      | CDIF | CDIF | AB  | MINUS |
| 146 | 14 | 7 |                      | W    | W    | CDI | MINUS |
| 147 | 15 | 1 | $x^3y^3$             | CD   | CD   | K   | PLUS  |
| 148 | 15 | 2 |                      | CD   | CDI  | K   | MINUS |
| 149 | 15 | 3 |                      | CDI  | CD   | KI  | MINUS |
| 150 | 15 | 4 |                      | CDI  | CDI  | KI  | PLUS  |
| 151 | 15 | 5 |                      | CDF  | CDIF | K   | MINUS |
| 152 | 15 | 6 |                      | CDIF | CDF  | KI  | MINUS |
| 153 | 16 | 1 | $\frac{x^3}{y^3}$    | CD   | CD   | K   | MINUS |
| 154 | 16 | 2 |                      | CD   | CDI  | K   | PLUS  |
| 155 | 16 | 3 |                      | CDI  | CD   | KI  | PLUS  |

|     |    |   |                                   |      |      |    |       |
|-----|----|---|-----------------------------------|------|------|----|-------|
| 156 | 16 | 4 |                                   | CDI  | CDI  | KI | MINUS |
| 157 | 16 | 5 |                                   | CDF  | CDF  | K  | MINUS |
| 158 | 16 | 6 |                                   | CDIF | CDIF | KI | MINUS |
| 159 | 17 | 1 | $\frac{1}{x^3 y^3}$               | CD   | CD   | KI | PLUS  |
| 160 | 17 | 2 |                                   | CD   | CDI  | KI | MINUS |
| 161 | 17 | 3 |                                   | CDI  | CD   | K  | MINUS |
| 162 | 17 | 4 |                                   | CDI  | CDI  | K  | PLUS  |
| 163 | 17 | 5 |                                   | CDF  | CDIF | KI | MINUS |
| 164 | 17 | 6 |                                   | CDIF | CDF  | K  | MINUS |
| 165 | 18 | 1 | $\frac{y^3}{x^3}$                 | CD   | CD   | KI | MINUS |
| 166 | 18 | 2 |                                   | CD   | CDI  | KI | PLUS  |
| 167 | 18 | 3 |                                   | CDI  | CD   | K  | PLUS  |
| 168 | 18 | 4 |                                   | CDI  | CDI  | K  | MINUS |
| 169 | 18 | 5 |                                   | CDF  | CDF  | KI | MINUS |
| 170 | 18 | 6 |                                   | CDIF | CDIF | K  | MINUS |
| 171 | 19 | 1 | $e^{xy}$                          | CD   | CD   | LL | PLUS  |
| 172 | 19 | 2 |                                   | CD   | CDI  | LL | MINUS |
| 173 | 19 | 3 |                                   | CDF  | CDIF | LL | MINUS |
| 174 | 20 | 1 | $e^{\frac{x}{y}}$                 | CD   | CD   | LL | MINUS |
| 175 | 20 | 2 |                                   | CD   | CDI  | LL | PLUS  |
| 176 | 20 | 3 |                                   | CDF  | CDF  | LL | MINUS |
| 177 | 21 | 1 | $LOG(xy)$                         | CD   | CD   | L  | PLUS  |
| 178 | 21 | 2 |                                   | CD   | CDI  | L  | MINUS |
| 179 | 21 | 3 |                                   | CDF  | CDIF | L  | MINUS |
| 180 | 22 | 1 | $LOG\left(\frac{x}{y}\right)$     | CD   | CD   | L  | MINUS |
| 181 | 22 | 2 |                                   | CD   | CDI  | L  | PLUS  |
| 182 | 22 | 3 |                                   | CDF  | CDF  | L  | MINUS |
| 183 | 23 | 1 | $\arcsin(xy)$                     | CD   | CD   | S  | PLUS  |
| 184 | 23 | 2 |                                   | CD   | CDI  | S  | MINUS |
| 185 | 23 | 3 |                                   | CDF  | CDIF | S  | MINUS |
| 186 | 24 | 1 | $\arcsin\left(\frac{x}{y}\right)$ | CD   | CD   | S  | MINUS |
| 187 | 24 | 2 |                                   | CD   | CDI  | S  | PLUS  |
| 188 | 24 | 3 |                                   | CDF  | CDF  | S  | MINUS |
| 189 | 25 | 1 | $\arctan(xy)$                     | CD   | CD   | T  | PLUS  |
| 190 | 25 | 2 |                                   | CD   | CDI  | T  | MINUS |

|     |    |   |  |     |      |    |       |
|-----|----|---|--|-----|------|----|-------|
| 191 | 25 | 3 |  | CDF | CDIF | T  | MINUS |
| 192 | 26 | 1 | $\arctan\left(\frac{x}{y}\right)$                                      | CD  | CD   | T  | MINUS |
| 193 | 26 | 2 |  | CD  | CDI  | T  | PLUS  |
| 194 | 26 | 3 |  | CDF | CDF  | T  | MINUS |
| 195 | 27 | 1 | $\sqrt{-x^2y^2+1}$   | CD  | CD   | P  | PLUS  |
| 196 | 27 | 2 |  | CD  | CDI  | P  | MINUS |
| 197 | 27 | 3 |  | CDF | CDIF | P  | MINUS |
| 198 | 28 | 1 | $\sqrt{-\frac{x^2-y^2}{y^2}}$  | CD  | CD   | P  | MINUS |
| 199 | 28 | 2 |  | CD  | CDI  | P  | PLUS  |
| 200 | 28 | 3 |  | CDF | CDF  | P  | MINUS |
| 201 | 29 | 1 | $\sqrt{x^2y^2+1}$  | CD  | CD   | H  | PLUS  |
| 202 | 29 | 2 |  | CD  | CDI  | H  | MINUS |
| 203 | 29 | 3 |  | CDF | CDIF | H  | MINUS |
| 204 | 30 | 1 | $\sqrt{\frac{x^2+y^2}{y^2}}$   | CD  | CD   | H  | MINUS |
| 205 | 30 | 2 |  | CD  | CDI  | H  | PLUS  |
| 206 | 30 | 3 |  | CDF | CDF  | H  | MINUS |
| 207 | 31 | 1 | $1/2 e^{xy} - 1/2 e^{-xy}$   | CD  | CD   | SH | PLUS  |
| 208 | 31 | 2 |  | CD  | CDI  | SH | MINUS |
| 209 | 31 | 3 |  | CDF | CDIF | SH | MINUS |
| 210 | 32 | 1 | $1/2 e^{\frac{x}{y}} - 1/2 e^{-\frac{x}{y}}$                           | CD  | CD   | SH | MINUS |
| 211 | 32 | 2 |  | CD  | CDI  | SH | PLUS  |
| 212 | 32 | 3 |  | CDF | CDF  | SH | MINUS |
| 213 | 33 | 1 | $1/2 e^{xy} + 1/2 e^{-xy}$   | CD  | CD   | CH | PLUS  |
| 214 | 33 | 2 |  | CD  | CDI  | CH | MINUS |
| 215 | 33 | 3 |  | CDF | CDIF | CH | MINUS |
| 216 | 34 | 1 | $1/2 e^{\frac{x}{y}} + 1/2 e^{-\frac{x}{y}}$                           | CD  | CD   | CH | MINUS |
| 217 | 34 | 2 |  | CD  | CDI  | CH | PLUS  |
| 218 | 34 | 3 |  | CDF | CDF  | CH | MINUS |
| 219 | 35 | 1 | $\frac{e^{2xy}-1}{e^{2xy}+1}$  | CD  | CD   | TH | PLUS  |
| 220 | 35 | 2 |  | CD  | CDI  | TH | MINUS |
| 221 | 35 | 3 |  | CDF | CDIF | TH | MINUS |
| 222 | 36 | 1 | $1\left(e^{2\frac{x}{y}}-1\right)\left(e^{2\frac{x}{y}}+1\right)^{-1}$ | CD  | CD   | TH | MINUS |

|     |    |   |                         |      |     |      |       |
|-----|----|---|-------------------------|------|-----|------|-------|
| 223 | 36 | 2 |                         | CD   | CDI | TH   | PLUS  |
| 224 | 36 | 3 |                         | CDF  | CDF | TH   | MINUS |
| 225 | 37 | 1 | $\frac{xy}{\pi}$        | CD   | CDF | CD   | PLUS  |
| 226 | 37 | 2 |                         | CDI  | CD  | CDIF | MINUS |
| 227 | 37 | 3 |                         | CDI  | CDI | CDIF | PLUS  |
| 228 | 37 | 4 |                         | CDI  | CDF | CDI  | MINUS |
| 229 | 37 | 5 |                         | CDF  | CD  | CD   | PLUS  |
| 230 | 37 | 6 |                         | CDF  | CDI | CD   | MINUS |
| 231 | 37 | 7 |                         | CDF  | CDF | CDF  | PLUS  |
| 232 | 37 | 8 |                         | CDIF | CDF | CDIF | MINUS |
| 233 | 38 | 1 | $\frac{\pi}{xy}$        | CD   | CDF | CDI  | PLUS  |
| 234 | 38 | 2 |                         | CDI  | CD  | CDF  | MINUS |
| 235 | 38 | 3 |                         | CDI  | CDI | CDF  | PLUS  |
| 236 | 38 | 4 |                         | CDI  | CDF | CD   | MINUS |
| 237 | 38 | 5 |                         | CDF  | CD  | CDI  | PLUS  |
| 238 | 38 | 6 |                         | CDF  | CDI | CDI  | MINUS |
| 239 | 38 | 7 |                         | CDF  | CDF | CDIF | PLUS  |
| 240 | 38 | 8 |                         | CDIF | CDF | CDF  | MINUS |
| 241 | 39 | 1 | $\frac{x\pi^2}{y}$      | CD   | CDF | CDF  | MINUS |
| 242 | 39 | 2 |                         | CDIF | CDF | CDI  | PLUS  |
| 243 | 40 | 1 | $\frac{y}{x\pi^2}$      | CD   | CDF | CDIF | MINUS |
| 244 | 40 | 2 |                         | CDIF | CDF | CD   | PLUS  |
| 245 | 41 | 1 | $\frac{x^2y^2}{\pi^2}$  | CD   | CDF | AB   | PLUS  |
| 246 | 41 | 2 |                         | CDI  | CDF | ABI  | MINUS |
| 247 | 41 | 3 |                         | CDF  | CD  | AB   | PLUS  |
| 248 | 41 | 4 |                         | CDF  | CDI | AB   | MINUS |
| 249 | 42 | 1 | $\frac{x^2\pi^2}{y^2}$  | CD   | CDF | AB   | MINUS |
| 250 | 42 | 2 |                         | CDI  | CDF | ABI  | PLUS  |
| 251 | 42 | 3 |                         | CDIF | CD  | ABI  | PLUS  |
| 252 | 42 | 4 |                         | CDIF | CDI | ABI  | MINUS |
| 253 | 43 | 1 | $\sqrt{\frac{xy}{\pi}}$ | CD   | CDF | W    | PLUS  |
| 254 | 43 | 2 |                         | CDF  | CD  | W    | PLUS  |
| 255 | 43 | 3 |                         | CDF  | CDI | W    | MINUS |
| 256 | 44 | 1 | $\sqrt{\frac{x\pi}{y}}$ | CD   | CDF | W    | MINUS |
| 257 | 45 | 1 | $\frac{\pi^2}{x^2y^2}$  | CD   | CDF | ABI  | PLUS  |

|     |    |   |                                      |      |     |     |       |
|-----|----|---|--------------------------------------|------|-----|-----|-------|
| 258 | 45 | 2 |                                      | CDI  | CDF | AB  | MINUS |
| 259 | 45 | 3 |                                      | CDF  | CD  | ABI | PLUS  |
| 260 | 45 | 4 |                                      | CDF  | CDI | ABI | MINUS |
| 261 | 46 | 1 | $\frac{y^2}{x^2\pi^2}$               | CD   | CDF | ABI | MINUS |
| 262 | 46 | 2 |                                      | CDI  | CDF | AB  | PLUS  |
| 263 | 46 | 3 |                                      | CDIF | CD  | AB  | PLUS  |
| 264 | 46 | 4 |                                      | CDIF | CDI | AB  | MINUS |
| 265 | 47 | 1 | $\frac{x^3y^3}{\pi^3}$               | CD   | CDF | K   | PLUS  |
| 266 | 47 | 2 |                                      | CDI  | CDF | KI  | MINUS |
| 267 | 47 | 3 |                                      | CDF  | CD  | K   | PLUS  |
| 268 | 47 | 4 |                                      | CDF  | CDI | K   | MINUS |
| 269 | 48 | 1 | $\frac{x^3\pi^3}{y^3}$               | CD   | CDF | K   | MINUS |
| 270 | 48 | 2 |                                      | CDI  | CDF | KI  | PLUS  |
| 271 | 48 | 3 |                                      | CDIF | CD  | KI  | PLUS  |
| 272 | 48 | 4 |                                      | CDIF | CDI | KI  | MINUS |
| 273 | 49 | 1 | $\frac{\pi^3}{x^3y^3}$               | CD   | CDF | KI  | PLUS  |
| 274 | 49 | 2 |                                      | CDI  | CDF | K   | MINUS |
| 275 | 49 | 3 |                                      | CDF  | CD  | KI  | PLUS  |
| 276 | 49 | 4 |                                      | CDF  | CDI | KI  | MINUS |
| 277 | 50 | 1 | $\frac{y^3}{x^3\pi^3}$               | CD   | CDF | KI  | MINUS |
| 278 | 50 | 2 |                                      | CDI  | CDF | K   | PLUS  |
| 279 | 50 | 3 |                                      | CDIF | CD  | K   | PLUS  |
| 280 | 50 | 4 |                                      | CDIF | CDI | K   | MINUS |
| 281 | 51 | 1 | $e^{\frac{xy}{\pi}}$                 | CD   | CDF | LL  | PLUS  |
| 282 | 51 | 2 |                                      | CDF  | CD  | LL  | PLUS  |
| 283 | 51 | 3 |                                      | CDF  | CDI | LL  | MINUS |
| 284 | 52 | 1 | $e^{\frac{x\pi}{y}}$                 | CD   | CDF | LL  | MINUS |
| 285 | 53 | 1 | $LOG\left(\frac{xy}{\pi}\right)$     | CD   | CDF | L   | PLUS  |
| 286 | 53 | 2 |                                      | CDF  | CD  | L   | PLUS  |
| 287 | 53 | 3 |                                      | CDF  | CDI | L   | MINUS |
| 288 | 54 | 1 | $LOG\left(\frac{x\pi}{y}\right)$     | CD   | CDF | L   | MINUS |
| 289 | 55 | 1 | $\arcsin\left(\frac{xy}{\pi}\right)$ | CD   | CDF | S   | PLUS  |
| 290 | 55 | 2 |                                      | CDF  | CD  | S   | PLUS  |
| 291 | 55 | 3 |                                      | CDF  | CDI | S   | MINUS |



|     |    |   |  |     |      |      |       |
|-----|----|---|--|-----|------|------|-------|
| 292 | 56 | 1 | $\arcsin\left(\frac{x\pi}{y}\right)$   | CD  | CDF  | S    | MINUS |
| 293 | 57 | 1 | $\arctan\left(\frac{xy}{\pi}\right)$   | CD  | CDF  | T    | PLUS  |
| 294 | 57 | 2 |  | CDF | CD   | T    | PLUS  |
| 295 | 57 | 3 |  | CDF | CDI  | T    | MINUS |
| 296 | 58 | 1 | $\arctan\left(\frac{x\pi}{y}\right)$   | CD  | CDF  | T    | MINUS |
| 297 | 59 | 1 | $\sqrt{\frac{-x^2y^2+\pi^2}{\pi^2}}$   | CD  | CDF  | P    | PLUS  |
| 298 | 59 | 2 |  | CDF | CD   | P    | PLUS  |
| 299 | 59 | 3 |  | CDF | CDI  | P    | MINUS |
| 300 | 60 | 1 | $\sqrt{-\frac{x^2\pi^2-y^2}{y^2}}$   | CD  | CDF  | P    | MINUS |
| 301 | 61 | 1 | $\sqrt{\frac{x^2y^2+\pi^2}{\pi^2}}$  | CD  | CDF  | H    | PLUS  |
| 302 | 61 | 2 |  | CDF | CD   | H    | PLUS  |
| 303 | 61 | 3 |  | CDF | CDI  | H    | MINUS |
| 304 | 62 | 1 | $\sqrt{\frac{x^2\pi^2+y^2}{y^2}}$  | CD  | CDF  | H    | MINUS |
| 305 | 63 | 1 | $1/2 e^{\frac{xy}{\pi}} - 1/2 e^{-\frac{xy}{\pi}}$                               | CD  | CDF  | SH   | PLUS  |
| 306 | 63 | 2 |  | CDF | CD   | SH   | PLUS  |
| 307 | 63 | 3 |  | CDF | CDI  | SH   | MINUS |
| 308 | 64 | 1 | $1/2 e^{\frac{x\pi}{y}} - 1/2 e^{-\frac{x\pi}{y}}$                               | CD  | CDF  | SH   | MINUS |
| 309 | 65 | 1 | $1/2 e^{\frac{xy}{\pi}} + 1/2 e^{-\frac{xy}{\pi}}$                               | CD  | CDF  | CH   | PLUS  |
| 310 | 65 | 2 |  | CDF | CD   | CH   | PLUS  |
| 311 | 65 | 3 |  | CDF | CDI  | CH   | MINUS |
| 312 | 66 | 1 | $1/2 e^{\frac{x\pi}{y}} + 1/2 e^{-\frac{x\pi}{y}}$                               | CD  | CDF  | CH   | MINUS |
| 313 | 67 | 1 | $1\left(e^{2\frac{xy}{\pi}} - 1\right)\left(e^{2\frac{xy}{\pi}} + 1\right)^{-1}$ | CD  | CDF  | TH   | PLUS  |
| 314 | 67 | 2 |  | CDF | CD   | TH   | PLUS  |
| 315 | 67 | 3 |  | CDF | CDI  | TH   | MINUS |
| 316 | 68 | 1 | $1\left(e^{2\frac{x\pi}{y}} - 1\right)\left(e^{2\frac{x\pi}{y}} + 1\right)^{-1}$ | CD  | CDF  | TH   | MINUS |
| 317 | 69 | 1 | $\frac{x}{y\pi}$   | CD  | CDIF | CD   | PLUS  |
| 318 | 69 | 2 |  | CDI | CD   | CDIF | PLUS  |

|     |    |   |                         |      |      |      |       |
|-----|----|---|-------------------------|------|------|------|-------|
| 319 | 69 | 3 |                         | CDI  | CDI  | CDIF | MINUS |
| 320 | 69 | 4 |                         | CDI  | CDIF | CDI  | MINUS |
| 321 | 69 | 5 |                         | CDF  | CD   | CD   | MINUS |
| 322 | 69 | 6 |                         | CDF  | CDI  | CD   | PLUS  |
| 323 | 69 | 7 |                         | CDF  | CDIF | CDF  | PLUS  |
| 324 | 69 | 8 |                         | CDIF | CDIF | CDIF | MINUS |
|     |    |   |                         |      |      |      |       |
| 325 | 70 | 1 | $\frac{y\pi}{x}$        | CD   | CDIF | CDI  | PLUS  |
| 326 | 70 | 2 |                         | CDI  | CD   | CDF  | PLUS  |
| 327 | 70 | 3 |                         | CDI  | CDI  | CDF  | MINUS |
| 328 | 70 | 4 |                         | CDI  | CDIF | CD   | MINUS |
| 329 | 70 | 5 |                         | CDF  | CD   | CDI  | MINUS |
| 330 | 70 | 6 |                         | CDF  | CDI  | CDI  | PLUS  |
| 331 | 70 | 7 |                         | CDF  | CDIF | CDIF | PLUS  |
| 332 | 70 | 8 |                         | CDIF | CDIF | CDF  | MINUS |
|     |    |   |                         |      |      |      |       |
| 333 | 71 | 1 | $xy\pi^2$               | CD   | CDIF | CDF  | MINUS |
| 334 | 71 | 2 |                         | CDIF | CDIF | CDI  | PLUS  |
|     |    |   |                         |      |      |      |       |
| 335 | 72 | 1 | $\frac{1}{xy\pi^2}$     | CD   | CDIF | CDIF | MINUS |
| 336 | 72 | 2 |                         | CDIF | CDIF | CD   | PLUS  |
|     |    |   |                         |      |      |      |       |
| 337 | 73 | 1 | $\frac{x^2}{y^2\pi^2}$  | CD   | CDIF | AB   | PLUS  |
| 338 | 73 | 2 |                         | CDI  | CDIF | ABI  | MINUS |
| 339 | 73 | 3 |                         | CDF  | CD   | AB   | MINUS |
| 340 | 73 | 4 |                         | CDF  | CDI  | AB   | PLUS  |
|     |    |   |                         |      |      |      |       |
| 341 | 74 | 1 | $x^2y^2\pi^2$           | CD   | CDIF | AB   | MINUS |
| 342 | 74 | 2 |                         | CDI  | CDIF | ABI  | PLUS  |
| 343 | 74 | 3 |                         | CDIF | CD   | ABI  | MINUS |
| 344 | 74 | 4 |                         | CDIF | CDI  | ABI  | PLUS  |
|     |    |   |                         |      |      |      |       |
| 345 | 75 | 1 | $\sqrt{\frac{x}{y\pi}}$ | CD   | CDIF | W    | PLUS  |
| 346 | 75 | 2 |                         | CDF  | CD   | W    | MINUS |
| 347 | 75 | 3 |                         | CDF  | CDI  | W    | PLUS  |
|     |    |   |                         |      |      |      |       |
| 348 | 76 | 1 | $\sqrt{xy\pi}$          | CD   | CDIF | W    | MINUS |
|     |    |   |                         |      |      |      |       |
| 349 | 77 | 1 | $\frac{y^2\pi^2}{x^2}$  | CD   | CDIF | ABI  | PLUS  |
| 350 | 77 | 2 |                         | CDI  | CDIF | AB   | MINUS |
| 351 | 77 | 3 |                         | CDF  | CD   | ABI  | MINUS |
| 352 | 77 | 4 |                         | CDF  | CDI  | ABI  | PLUS  |
|     |    |   |                         |      |      |      |       |
| 353 | 78 | 1 | $\frac{1}{x^2y^2\pi^2}$ | CD   | CDIF | ABI  | MINUS |

|     |    |   |                                      |      |      |    |       |
|-----|----|---|--------------------------------------|------|------|----|-------|
| 354 | 78 | 2 |                                      | CDI  | CDIF | AB | PLUS  |
| 355 | 78 | 3 |                                      | CDIF | CD   | AB | MINUS |
| 356 | 78 | 4 |                                      | CDIF | CDI  | AB | PLUS  |
| 357 | 79 | 1 | $\frac{x^3}{y^3\pi^3}$               | CD   | CDIF | K  | PLUS  |
| 358 | 79 | 2 |                                      | CDI  | CDIF | KI | MINUS |
| 359 | 79 | 3 |                                      | CDF  | CD   | K  | MINUS |
| 360 | 79 | 4 |                                      | CDF  | CDI  | K  | PLUS  |
| 361 | 80 | 1 | $x^3y^3\pi^3$                        | CD   | CDIF | K  | MINUS |
| 362 | 80 | 2 |                                      | CDI  | CDIF | KI | PLUS  |
| 363 | 80 | 3 |                                      | CDIF | CD   | KI | MINUS |
| 364 | 80 | 4 |                                      | CDIF | CDI  | KI | PLUS  |
| 365 | 81 | 1 | $\frac{y^3\pi^3}{x^3}$               | CD   | CDIF | KI | PLUS  |
| 366 | 81 | 2 |                                      | CDI  | CDIF | K  | MINUS |
| 367 | 81 | 3 |                                      | CDF  | CD   | KI | MINUS |
| 368 | 81 | 4 |                                      | CDF  | CDI  | KI | PLUS  |
| 369 | 82 | 1 | $\frac{1}{x^3y^3\pi^3}$              | CD   | CDIF | KI | MINUS |
| 370 | 82 | 2 |                                      | CDI  | CDIF | K  | PLUS  |
| 371 | 82 | 3 |                                      | CDIF | CD   | K  | MINUS |
| 372 | 82 | 4 |                                      | CDIF | CDI  | K  | PLUS  |
| 373 | 83 | 1 | $e^{\frac{x}{y\pi}}$                 | CD   | CDIF | LL | PLUS  |
| 374 | 83 | 2 |                                      | CDF  | CD   | LL | MINUS |
| 375 | 83 | 3 |                                      | CDF  | CDI  | LL | PLUS  |
| 376 | 84 | 1 | $e^{xy\pi}$                          | CD   | CDIF | LL | MINUS |
| 377 | 85 | 1 | $LOG\left(\frac{x}{y\pi}\right)$     | CD   | CDIF | L  | PLUS  |
| 378 | 85 | 2 |                                      | CDF  | CD   | L  | MINUS |
| 379 | 85 | 3 |                                      | CDF  | CDI  | L  | PLUS  |
| 380 | 86 | 1 | $LOG(xy\pi)$                         | CD   | CDIF | L  | MINUS |
| 381 | 87 | 1 | $\arcsin\left(\frac{x}{y\pi}\right)$ | CD   | CDIF | S  | PLUS  |
| 382 | 87 | 2 |                                      | CDF  | CD   | S  | MINUS |
| 383 | 87 | 3 |                                      | CDF  | CDI  | S  | PLUS  |
| 384 | 88 | 1 | $\arcsin(xy\pi)$                     | CD   | CDIF | S  | MINUS |
| 385 | 89 | 1 | $\arctan\left(\frac{x}{y\pi}\right)$ | CD   | CDIF | T  | PLUS  |

|     |     |   |  |      |      |      |       |
|-----|-----|---|--|------|------|------|-------|
| 386 | 89  | 2 |  | CDF  | CD   | T    | MINUS |
| 387 | 89  | 3 |  | CDF  | CDI  | T    | PLUS  |
| 388 | 90  | 1 | $\arctan(xy\pi)$   | CD   | CDIF | T    | MINUS |
| 389 | 91  | 1 | $\sqrt{\frac{y^2\pi^2-x^2}{y^2\pi^2}}$   | CD   | CDIF | P    | PLUS  |
| 390 | 91  | 2 |  | CDF  | CD   | P    | MINUS |
| 391 | 91  | 3 |  | CDF  | CDI  | P    | PLUS  |
| 392 | 92  | 1 | $\sqrt{-\pi^2x^2y^2+1}$  | CD   | CDIF | P    | MINUS |
| 393 | 93  | 1 | $\sqrt{\frac{y^2\pi^2+x^2}{y^2\pi^2}}$   | CD   | CDIF | H    | PLUS  |
| 394 | 93  | 2 |  | CDF  | CD   | H    | MINUS |
| 395 | 93  | 3 |  | CDF  | CDI  | H    | PLUS  |
| 396 | 94  | 1 | $\sqrt{\pi^2x^2y^2+1}$   | CD   | CDIF | H    | MINUS |
| 397 | 95  | 1 | $1/2e^{\frac{x}{y\pi}} - 1/2e^{-\frac{x}{y\pi}}$                                 | CD   | CDIF | SH   | PLUS  |
| 398 | 95  | 2 |  | CDF  | CD   | SH   | MINUS |
| 399 | 95  | 3 |  | CDF  | CDI  | SH   | PLUS  |
| 400 | 96  | 1 | $1/2e^{xy\pi} - 1/2e^{-xy\pi}$   | CD   | CDIF | SH   | MINUS |
| 401 | 97  | 1 | $1/2e^{\frac{x}{y\pi}} + 1/2e^{-\frac{x}{y\pi}}$                                 | CD   | CDIF | CH   | PLUS  |
| 402 | 97  | 2 |  | CDF  | CD   | CH   | MINUS |
| 403 | 97  | 3 |  | CDF  | CDI  | CH   | PLUS  |
| 404 | 98  | 1 | $1/2e^{xy\pi} + 1/2e^{-xy\pi}$   | CD   | CDIF | CH   | MINUS |
| 405 | 99  | 1 | $1\left(e^{2\frac{x}{y\pi}} - 1\right)\left(e^{2\frac{x}{y\pi}} + 1\right)^{-1}$ | CD   | CDIF | TH   | PLUS  |
| 406 | 99  | 2 |  | CDF  | CD   | TH   | MINUS |
| 407 | 99  | 3 |  | CDF  | CDI  | TH   | PLUS  |
| 408 | 100 | 1 | $\frac{e^{2xy\pi}-1}{e^{2xy\pi}+1}$  | CD   | CDIF | TH   | MINUS |
| 409 | 101 | 1 | $x\sqrt{y}$  | CD   | AB   | CD   | PLUS  |
| 410 | 101 | 2 |  | CD   | ABI  | CD   | MINUS |
| 411 | 101 | 3 |  | CDI  | AB   | CDI  | MINUS |
| 412 | 101 | 4 |  | CDI  | ABI  | CDI  | PLUS  |
| 413 | 101 | 5 |  | CDF  | AB   | CDF  | PLUS  |
| 414 | 101 | 6 |  | CDF  | ABI  | CDF  | MINUS |
| 415 | 101 | 7 |  | CDIF | AB   | CDIF | MINUS |
| 416 | 101 | 8 |  | CDIF | ABI  | CDIF | PLUS  |

|     |     |   |                          |      |     |      |       |
|-----|-----|---|--------------------------|------|-----|------|-------|
| 417 | 102 | 1 | $\frac{x}{\sqrt{y}}$     | CD   | AB  | CD   | MINUS |
| 418 | 102 | 2 |                          | CD   | ABI | CD   | PLUS  |
| 419 | 102 | 3 |                          | CDI  | AB  | CDI  | PLUS  |
| 420 | 102 | 4 |                          | CDI  | ABI | CDI  | MINUS |
| 421 | 102 | 5 |                          | CDF  | AB  | CDF  | MINUS |
| 422 | 102 | 6 |                          | CDF  | ABI | CDF  | PLUS  |
| 423 | 102 | 7 |                          | CDIF | AB  | CDIF | PLUS  |
| 424 | 102 | 8 |                          | CDIF | ABI | CDIF | MINUS |
| 425 | 103 | 1 | $\frac{1}{x\sqrt{y}}$    | CD   | AB  | CDI  | PLUS  |
| 426 | 103 | 2 |                          | CD   | ABI | CDI  | MINUS |
| 427 | 103 | 3 |                          | CDI  | AB  | CD   | MINUS |
| 428 | 103 | 4 |                          | CDI  | ABI | CD   | PLUS  |
| 429 | 103 | 5 |                          | CDF  | AB  | CDIF | PLUS  |
| 430 | 103 | 6 |                          | CDF  | ABI | CDIF | MINUS |
| 431 | 103 | 7 |                          | CDIF | AB  | CDF  | MINUS |
| 432 | 103 | 8 |                          | CDIF | ABI | CDF  | PLUS  |
| 433 | 104 | 1 | $\frac{\sqrt{y}}{x}$     | CD   | AB  | CDI  | MINUS |
| 434 | 104 | 2 |                          | CD   | ABI | CDI  | PLUS  |
| 435 | 104 | 3 |                          | CDI  | AB  | CD   | PLUS  |
| 436 | 104 | 4 |                          | CDI  | ABI | CD   | MINUS |
| 437 | 104 | 5 |                          | CDF  | AB  | CDIF | MINUS |
| 438 | 104 | 6 |                          | CDF  | ABI | CDIF | PLUS  |
| 439 | 104 | 7 |                          | CDIF | AB  | CDF  | PLUS  |
| 440 | 104 | 8 |                          | CDIF | ABI | CDF  | MINUS |
| 441 | 105 | 1 | $x\sqrt{y}\pi$           | CD   | AB  | CDF  | PLUS  |
| 442 | 105 | 2 |                          | CD   | ABI | CDF  | MINUS |
| 443 | 105 | 3 |                          | CDIF | AB  | CDI  | MINUS |
| 444 | 105 | 4 |                          | CDIF | ABI | CDI  | PLUS  |
| 445 | 106 | 1 | $\frac{x\pi}{\sqrt{y}}$  | CD   | AB  | CDF  | MINUS |
| 446 | 106 | 2 |                          | CD   | ABI | CDF  | PLUS  |
| 447 | 106 | 3 |                          | CDIF | AB  | CDI  | PLUS  |
| 448 | 106 | 4 |                          | CDIF | ABI | CDI  | MINUS |
| 449 | 107 | 1 | $\frac{1}{x\sqrt{y}\pi}$ | CD   | AB  | CDIF | PLUS  |
| 450 | 107 | 2 |                          | CD   | ABI | CDIF | MINUS |
| 451 | 107 | 3 |                          | CDIF | AB  | CD   | MINUS |
| 452 | 107 | 4 |                          | CDIF | ABI | CD   | PLUS  |
| 453 | 108 | 1 | $\frac{\sqrt{y}}{x\pi}$  | CD   | AB  | CDIF | MINUS |

|     |     |   |                             |      |      |      |       |
|-----|-----|---|-----------------------------|------|------|------|-------|
| 454 | 108 | 2 |                             | CD   | ABI  | CDIF | PLUS  |
| 455 | 108 | 3 |                             | CDIF | AB   | CD   | PLUS  |
| 456 | 108 | 4 |                             | CDIF | ABI  | CD   | MINUS |
| 457 | 109 | 1 | $x^2y$                      | CD   | AB   | AB   | PLUS  |
| 458 | 109 | 2 |                             | CD   | ABI  | AB   | MINUS |
| 459 | 109 | 3 |                             | CDI  | AB   | ABI  | MINUS |
| 460 | 109 | 4 |                             | CDI  | ABI  | ABI  | PLUS  |
| 461 | 109 | 5 |                             | W    | CD   | CD   | PLUS  |
| 462 | 109 | 6 |                             | W    | CDI  | CD   | MINUS |
| 463 | 109 | 7 |                             | W    | CDF  | CDF  | PLUS  |
| 464 | 110 | 1 | $\frac{x^2}{y}$             | CD   | AB   | AB   | MINUS |
| 465 | 110 | 2 |                             | CD   | ABI  | AB   | PLUS  |
| 466 | 110 | 3 |                             | CDI  | AB   | ABI  | PLUS  |
| 467 | 110 | 4 |                             | CDI  | ABI  | ABI  | MINUS |
| 468 | 110 | 5 |                             | W    | CD   | CD   | MINUS |
| 469 | 110 | 6 |                             | W    | CDI  | CD   | PLUS  |
| 470 | 110 | 7 |                             | W    | CDIF | CDF  | PLUS  |
| 471 | 111 | 1 | $\sqrt{x\sqrt{y}}$          | CD   | AB   | W    | PLUS  |
| 472 | 111 | 2 |                             | CD   | ABI  | W    | MINUS |
| 473 | 112 | 1 | $\sqrt{\frac{x}{\sqrt{y}}}$ | CD   | AB   | W    | MINUS |
| 474 | 112 | 2 |                             | CD   | ABI  | W    | PLUS  |
| 475 | 113 | 1 | $\frac{1}{x^2y}$            | CD   | AB   | ABI  | PLUS  |
| 476 | 113 | 2 |                             | CD   | ABI  | ABI  | MINUS |
| 477 | 113 | 3 |                             | CDI  | AB   | AB   | MINUS |
| 478 | 113 | 4 |                             | CDI  | ABI  | AB   | PLUS  |
| 479 | 113 | 5 |                             | W    | CD   | CDI  | PLUS  |
| 480 | 113 | 6 |                             | W    | CDI  | CDI  | MINUS |
| 481 | 113 | 7 |                             | W    | CDF  | CDIF | PLUS  |
| 482 | 114 | 1 | $\frac{y}{x^2}$             | CD   | AB   | ABI  | MINUS |
| 483 | 114 | 2 |                             | CD   | ABI  | ABI  | PLUS  |
| 484 | 114 | 3 |                             | CDI  | AB   | AB   | PLUS  |
| 485 | 114 | 4 |                             | CDI  | ABI  | AB   | MINUS |
| 486 | 114 | 5 |                             | W    | CD   | CDI  | MINUS |
| 487 | 114 | 6 |                             | W    | CDI  | CDI  | PLUS  |
| 488 | 114 | 7 |                             | W    | CDIF | CDIF | PLUS  |
| 489 | 115 | 1 | $x^3y^{3/2}$                | CD   | AB   | K    | PLUS  |
| 490 | 115 | 2 |                             | CD   | ABI  | K    | MINUS |
| 491 | 115 | 3 |                             | CDI  | AB   | KI   | MINUS |

|     |     |   |  |     |     |    |       |
|-----|-----|---|--|-----|-----|----|-------|
| 492 | 115 | 4 |  | CDI | ABI | KI | PLUS  |
| 493 | 116 | 1 | $\frac{x^3}{y^{3/2}}$                    | CD  | AB  | K  | MINUS |
| 494 | 116 | 2 |  | CD  | ABI | K  | PLUS  |
| 495 | 116 | 3 |  | CDI | AB  | KI | PLUS  |
| 496 | 116 | 4 |  | CDI | ABI | KI | MINUS |
| 497 | 117 | 1 | $\frac{1}{x^3 y^{3/2}}$                  | CD  | AB  | KI | PLUS  |
| 498 | 117 | 2 |  | CD  | ABI | KI | MINUS |
| 499 | 117 | 3 |  | CDI | AB  | K  | MINUS |
| 500 | 117 | 4 |  | CDI | ABI | K  | PLUS  |
| 501 | 118 | 1 | $\frac{y^{3/2}}{x^3}$                    | CD  | AB  | KI | MINUS |
| 502 | 118 | 2 |  | CD  | ABI | KI | PLUS  |
| 503 | 118 | 3 |  | CDI | AB  | K  | PLUS  |
| 504 | 118 | 4 |  | CDI | ABI | K  | MINUS |
| 505 | 119 | 1 | $e^{x\sqrt{y}}$                          | CD  | AB  | LL | PLUS  |
| 506 | 119 | 2 |  | CD  | ABI | LL | MINUS |
| 507 | 120 | 1 | $e^{\frac{x}{\sqrt{y}}}$                 | CD  | AB  | LL | MINUS |
| 508 | 120 | 2 |  | CD  | ABI | LL | PLUS  |
| 509 | 121 | 1 | $LOG(x\sqrt{y})$                         | CD  | AB  | L  | PLUS  |
| 510 | 121 | 2 |  | CD  | ABI | L  | MINUS |
| 511 | 122 | 1 | $LOG\left(\frac{x}{\sqrt{y}}\right)$     | CD  | AB  | L  | MINUS |
| 512 | 122 | 2 |  | CD  | ABI | L  | PLUS  |
| 513 | 123 | 1 | $\arcsin(x\sqrt{y})$                     | CD  | AB  | S  | PLUS  |
| 514 | 123 | 2 |  | CD  | ABI | S  | MINUS |
| 515 | 124 | 1 | $\arcsin\left(\frac{x}{\sqrt{y}}\right)$ | CD  | AB  | S  | MINUS |
| 516 | 124 | 2 |  | CD  | ABI | S  | PLUS  |
| 517 | 125 | 1 | $\arctan(x\sqrt{y})$                     | CD  | AB  | T  | PLUS  |
| 518 | 125 | 2 |  | CD  | ABI | T  | MINUS |
| 519 | 126 | 1 | $\arctan\left(\frac{x}{\sqrt{y}}\right)$ | CD  | AB  | T  | MINUS |
| 520 | 126 | 2 |  | CD  | ABI | T  | PLUS  |
| 521 | 127 | 1 | $\sqrt{-x^2 y + 1}$                      | CD  | AB  | P  | PLUS  |
| 522 | 127 | 2 |  | CD  | ABI | P  | MINUS |

|     |     |   |  |      |     |      |       |
|-----|-----|---|--|------|-----|------|-------|
| 523 | 128 | 1 | $\sqrt{-\frac{x^2-y}{y}}$  | CD   | AB  | P    | MINUS |
| 524 | 128 | 2 |  | CD   | ABI | P    | PLUS  |
| 525 | 129 | 1 | $\sqrt{x^2y+1}$  | CD   | AB  | H    | PLUS  |
| 526 | 129 | 2 |  | CD   | ABI | H    | MINUS |
| 527 | 130 | 1 | $\sqrt{\frac{x^2+y}{y}}$   | CD   | AB  | H    | MINUS |
| 528 | 130 | 2 |  | CD   | ABI | H    | PLUS  |
| 529 | 131 | 1 | $1/2 e^{x\sqrt{y}} - 1/2 e^{-x\sqrt{y}}$   | CD   | AB  | SH   | PLUS  |
| 530 | 131 | 2 |  | CD   | ABI | SH   | MINUS |
| 531 | 132 | 1 | $1/2 e^{\frac{x}{\sqrt{y}}} - 1/2 e^{-\frac{x}{\sqrt{y}}}$                                     | CD   | AB  | SH   | MINUS |
| 532 | 132 | 2 |  | CD   | ABI | SH   | PLUS  |
| 533 | 133 | 1 | $1/2 e^{x\sqrt{y}} + 1/2 e^{-x\sqrt{y}}$   | CD   | AB  | CH   | PLUS  |
| 534 | 133 | 2 |  | CD   | ABI | CH   | MINUS |
| 535 | 134 | 1 | $1/2 e^{\frac{x}{\sqrt{y}}} + 1/2 e^{-\frac{x}{\sqrt{y}}}$                                     | CD   | AB  | CH   | MINUS |
| 536 | 134 | 2 |  | CD   | ABI | CH   | PLUS  |
| 537 | 135 | 1 | $\frac{e^{2x\sqrt{y}}-1}{e^{2x\sqrt{y}}+1}$  | CD   | AB  | TH   | PLUS  |
| 538 | 135 | 2 |  | CD   | ABI | TH   | MINUS |
| 539 | 136 | 1 | $1 \left( e^{2\frac{x}{\sqrt{y}}} - 1 \right) \left( e^{2\frac{x}{\sqrt{y}}} + 1 \right)^{-1}$ | CD   | AB  | TH   | MINUS |
| 540 | 136 | 2 |  | CD   | ABI | TH   | PLUS  |
| 541 | 137 | 1 | $xy^2$   | CD   | W   | CD   | PLUS  |
| 542 | 137 | 2 |  | CDI  | W   | CDI  | MINUS |
| 543 | 137 | 3 |  | CDF  | W   | CDF  | PLUS  |
| 544 | 137 | 4 |  | CDIF | W   | CDIF | MINUS |
| 545 | 137 | 5 |  | AB   | CD  | AB   | PLUS  |
| 546 | 137 | 6 |  | AB   | CDI | AB   | MINUS |
| 547 | 137 | 7 |  | ABI  | CD  | ABI  | MINUS |
| 548 | 137 | 8 |  | ABI  | CDI | ABI  | PLUS  |
| 549 | 138 | 1 | $\frac{x}{y^2}$  | CD   | W   | CD   | MINUS |
| 550 | 138 | 2 |  | CDI  | W   | CDI  | PLUS  |
| 551 | 138 | 3 |  | CDF  | W   | CDF  | MINUS |
| 552 | 138 | 4 |  | CDIF | W   | CDIF | PLUS  |
| 553 | 138 | 5 |  | AB   | CD  | AB   | MINUS |
| 554 | 138 | 6 |  | AB   | CDI | AB   | PLUS  |



|     |     |   |                        |      |     |      |       |
|-----|-----|---|------------------------|------|-----|------|-------|
| 555 | 138 | 7 |                        | ABI  | CD  | ABI  | PLUS  |
| 556 | 138 | 8 |                        | ABI  | CDI | ABI  | MINUS |
| 557 | 139 | 1 | $\frac{1}{xy^2}$       | CD   | W   | CDI  | PLUS  |
| 558 | 139 | 2 |                        | CDI  | W   | CD   | MINUS |
| 559 | 139 | 3 |                        | CDF  | W   | CDIF | PLUS  |
| 560 | 139 | 4 |                        | CDIF | W   | CDF  | MINUS |
| 561 | 139 | 5 |                        | AB   | CD  | ABI  | PLUS  |
| 562 | 139 | 6 |                        | AB   | CDI | ABI  | MINUS |
| 563 | 139 | 7 |                        | ABI  | CD  | AB   | MINUS |
| 564 | 139 | 8 |                        | ABI  | CDI | AB   | PLUS  |
| 565 | 140 | 1 | $\frac{y^2}{x}$        | CD   | W   | CDI  | MINUS |
| 566 | 140 | 2 |                        | CDI  | W   | CD   | PLUS  |
| 567 | 140 | 3 |                        | CDF  | W   | CDIF | MINUS |
| 568 | 140 | 4 |                        | CDIF | W   | CDF  | PLUS  |
| 569 | 140 | 5 |                        | AB   | CD  | ABI  | MINUS |
| 570 | 140 | 6 |                        | AB   | CDI | ABI  | PLUS  |
| 571 | 140 | 7 |                        | ABI  | CD  | AB   | PLUS  |
| 572 | 140 | 8 |                        | ABI  | CDI | AB   | MINUS |
| 573 | 141 | 1 | $xy^2\pi$              | CD   | W   | CDF  | PLUS  |
| 574 | 141 | 2 |                        | CDIF | W   | CDI  | MINUS |
| 575 | 142 | 1 | $\frac{x\pi}{y^2}$     | CD   | W   | CDF  | MINUS |
| 576 | 142 | 2 |                        | CDIF | W   | CDI  | PLUS  |
| 577 | 143 | 1 | $\frac{1}{xy^2\pi}$    | CD   | W   | CDIF | PLUS  |
| 578 | 143 | 2 |                        | CDIF | W   | CD   | MINUS |
| 579 | 144 | 1 | $\frac{y^2}{x\pi}$     | CD   | W   | CDIF | MINUS |
| 580 | 144 | 2 |                        | CDIF | W   | CD   | PLUS  |
| 581 | 145 | 1 | $x^2y^4$               | CD   | W   | AB   | PLUS  |
| 582 | 145 | 2 |                        | CDI  | W   | ABI  | MINUS |
| 583 | 146 | 1 | $\frac{x^2}{y^4}$      | CD   | W   | AB   | MINUS |
| 584 | 146 | 2 |                        | CDI  | W   | ABI  | PLUS  |
| 585 | 147 | 1 | $\sqrt{xy^2}$          | CD   | W   | W    | PLUS  |
| 586 | 148 | 1 | $\sqrt{\frac{x}{y^2}}$ | CD   | W   | W    | MINUS |
| 587 | 149 | 1 | $\frac{1}{x^2y^4}$     | CD   | W   | ABI  | PLUS  |

|     |     |   |                                     |     |   |     |       |
|-----|-----|---|-------------------------------------|-----|---|-----|-------|
| 588 | 149 | 2 |                                     | CDI | W | AB  | MINUS |
| 589 | 150 | 1 | $\frac{y^4}{x^2}$                   | CD  | W | ABI | MINUS |
| 590 | 150 | 2 |                                     | CDI | W | AB  | PLUS  |
| 591 | 151 | 1 | $x^3y^6$                            | CD  | W | K   | PLUS  |
| 592 | 151 | 2 |                                     | CDI | W | KI  | MINUS |
| 593 | 152 | 1 | $\frac{x^3}{y^6}$                   | CD  | W | K   | MINUS |
| 594 | 152 | 2 |                                     | CDI | W | KI  | PLUS  |
| 595 | 153 | 1 | $\frac{1}{x^3y^6}$                  | CD  | W | KI  | PLUS  |
| 596 | 153 | 2 |                                     | CDI | W | K   | MINUS |
| 597 | 154 | 1 | $\frac{y^6}{x^3}$                   | CD  | W | KI  | MINUS |
| 598 | 154 | 2 |                                     | CDI | W | K   | PLUS  |
| 599 | 155 | 1 | $e^{xy^2}$                          | CD  | W | LL  | PLUS  |
| 600 | 156 | 1 | $e^{\frac{x}{y^2}}$                 | CD  | W | LL  | MINUS |
| 601 | 157 | 1 | $LOG(xy^2)$                         | CD  | W | L   | PLUS  |
| 602 | 158 | 1 | $LOG\left(\frac{x}{y^2}\right)$     | CD  | W | L   | MINUS |
| 603 | 159 | 1 | $\arcsin(xy^2)$                     | CD  | W | S   | PLUS  |
| 604 | 160 | 1 | $\arcsin\left(\frac{x}{y^2}\right)$ | CD  | W | S   | MINUS |
| 605 | 161 | 1 | $\arctan(xy^2)$                     | CD  | W | T   | PLUS  |
| 606 | 162 | 1 | $\arctan\left(\frac{x}{y^2}\right)$ | CD  | W | T   | MINUS |
| 607 | 163 | 1 | $\sqrt{-x^2y^4+1}$                  | CD  | W | P   | PLUS  |
| 608 | 164 | 1 | $\sqrt{-\frac{y^4+x^2}{y^4}}$       | CD  | W | P   | MINUS |
| 609 | 165 | 1 | $\sqrt{x^2y^4+1}$                   | CD  | W | H   | PLUS  |
| 610 | 166 | 1 | $\sqrt{\frac{y^4+x^2}{y^4}}$        | CD  | W | H   | MINUS |
| 611 | 167 | 1 | $1/2e^{xy^2} - 1/2e^{-xy^2}$        | CD  | W | SH  | PLUS  |

|     |     |   |  |      |    |      |       |
|-----|-----|---|--|------|----|------|-------|
| 612 | 168 | 1 | $1/2 e^{\frac{x}{y^2}} - 1/2 e^{-\frac{x}{y^2}}$                                     | CD   | W  | SH   | MINUS |
| 613 | 169 | 1 | $1/2 e^{xy^2} + 1/2 e^{-xy^2}$   | CD   | W  | CH   | PLUS  |
| 614 | 170 | 1 | $1/2 e^{\frac{x}{y^2}} + 1/2 e^{-\frac{x}{y^2}}$                                     | CD   | W  | CH   | MINUS |
| 615 | 171 | 1 | $\frac{e^{2xy^2}-1}{e^{2xy^2}+1}$  | CD   | W  | TH   | PLUS  |
| 616 | 172 | 1 | $1 \left( e^{2\frac{x}{y^2}} - 1 \right) \left( e^{2\frac{x}{y^2}} + 1 \right)^{-1}$ | CD   | W  | TH   | MINUS |
| 617 | 173 | 1 | $x\sqrt[3]{y}$   | CD   | K  | CD   | PLUS  |
| 618 | 173 | 2 |  | CD   | KI | CD   | MINUS |
| 619 | 173 | 3 |  | CDI  | K  | CDI  | MINUS |
| 620 | 173 | 4 |  | CDI  | KI | CDI  | PLUS  |
| 621 | 173 | 5 |  | CDF  | K  | CDF  | PLUS  |
| 622 | 173 | 6 |  | CDF  | KI | CDF  | MINUS |
| 623 | 173 | 7 |  | CDIF | K  | CDIF | MINUS |
| 624 | 173 | 8 |  | CDIF | KI | CDIF | PLUS  |
| 625 | 174 | 1 | $\frac{x}{\sqrt[3]{y}}$  | CD   | K  | CD   | MINUS |
| 626 | 174 | 2 |  | CD   | KI | CD   | PLUS  |
| 627 | 174 | 3 |  | CDI  | K  | CDI  | PLUS  |
| 628 | 174 | 4 |  | CDI  | KI | CDI  | MINUS |
| 629 | 174 | 5 |  | CDF  | K  | CDF  | MINUS |
| 630 | 174 | 6 |  | CDF  | KI | CDF  | PLUS  |
| 631 | 174 | 7 |  | CDIF | K  | CDIF | PLUS  |
| 632 | 174 | 8 |  | CDIF | KI | CDIF | MINUS |
| 633 | 175 | 1 | $\frac{1}{x\sqrt[3]{y}}$   | CD   | K  | CDI  | PLUS  |
| 634 | 175 | 2 |  | CD   | KI | CDI  | MINUS |
| 635 | 175 | 3 |  | CDI  | K  | CD   | MINUS |
| 636 | 175 | 4 |  | CDI  | KI | CD   | PLUS  |
| 637 | 175 | 5 |  | CDF  | K  | CDIF | PLUS  |
| 638 | 175 | 6 |  | CDF  | KI | CDIF | MINUS |
| 639 | 175 | 7 |  | CDIF | K  | CDF  | MINUS |
| 640 | 175 | 8 |  | CDIF | KI | CDF  | PLUS  |
| 641 | 176 | 1 | $\frac{\sqrt[3]{y}}{x}$  | CD   | K  | CDI  | MINUS |
| 642 | 176 | 2 |  | CD   | KI | CDI  | PLUS  |
| 643 | 176 | 3 |  | CDI  | K  | CD   | PLUS  |
| 644 | 176 | 4 |  | CDI  | KI | CD   | MINUS |
| 645 | 176 | 5 |  | CDF  | K  | CDIF | MINUS |

|     |     |   |                                |      |    |      |       |
|-----|-----|---|--------------------------------|------|----|------|-------|
| 646 | 176 | 6 |                                | CD   | KI | CDIF | PLUS  |
| 647 | 176 | 7 |                                | CDIF | K  | CD   | PLUS  |
| 648 | 176 | 8 |                                | CDIF | KI | CD   | MINUS |
| 649 | 177 | 1 | $x\sqrt[3]{y}\pi$              | CD   | K  | CD   | PLUS  |
| 650 | 177 | 2 |                                | CD   | KI | CD   | MINUS |
| 651 | 177 | 3 |                                | CDIF | K  | CDI  | MINUS |
| 652 | 177 | 4 |                                | CDIF | KI | CDI  | PLUS  |
| 653 | 178 | 1 | $\frac{x\pi}{\sqrt[3]{y}}$     | CD   | K  | CD   | MINUS |
| 654 | 178 | 2 |                                | CD   | KI | CD   | PLUS  |
| 655 | 178 | 3 |                                | CDIF | K  | CDI  | PLUS  |
| 656 | 178 | 4 |                                | CDIF | KI | CDI  | MINUS |
| 657 | 179 | 1 | $\frac{1}{x\sqrt[3]{y}\pi}$    | CD   | K  | CDIF | PLUS  |
| 658 | 179 | 2 |                                | CD   | KI | CDIF | MINUS |
| 659 | 179 | 3 |                                | CDIF | K  | CD   | MINUS |
| 660 | 179 | 4 |                                | CDIF | KI | CD   | PLUS  |
| 661 | 180 | 1 | $\frac{\sqrt[3]{y}}{x\pi}$     | CD   | K  | CDIF | MINUS |
| 662 | 180 | 2 |                                | CD   | KI | CDIF | PLUS  |
| 663 | 180 | 3 |                                | CDIF | K  | CD   | PLUS  |
| 664 | 180 | 4 |                                | CDIF | KI | CD   | MINUS |
| 665 | 181 | 1 | $x^2y^{2/3}$                   | CD   | K  | AB   | PLUS  |
| 666 | 181 | 2 |                                | CD   | KI | AB   | MINUS |
| 667 | 181 | 3 |                                | CDI  | K  | ABI  | MINUS |
| 668 | 181 | 4 |                                | CDI  | KI | ABI  | PLUS  |
| 669 | 182 | 1 | $\frac{x^2}{y^{2/3}}$          | CD   | K  | AB   | MINUS |
| 670 | 182 | 2 |                                | CD   | KI | AB   | PLUS  |
| 671 | 182 | 3 |                                | CDI  | K  | ABI  | PLUS  |
| 672 | 182 | 4 |                                | CDI  | KI | ABI  | MINUS |
| 673 | 183 | 1 | $\sqrt{x\sqrt[3]{y}}$          | CD   | K  | W    | PLUS  |
| 674 | 183 | 2 |                                | CD   | KI | W    | MINUS |
| 675 | 184 | 1 | $\sqrt{\frac{x}{\sqrt[3]{y}}}$ | CD   | K  | W    | MINUS |
| 676 | 184 | 2 |                                | CD   | KI | W    | PLUS  |
| 677 | 185 | 1 | $\frac{1}{x^2y^{2/3}}$         | CD   | K  | ABI  | PLUS  |
| 678 | 185 | 2 |                                | CD   | KI | ABI  | MINUS |
| 679 | 185 | 3 |                                | CDI  | K  | AB   | MINUS |
| 680 | 185 | 4 |                                | CDI  | KI | AB   | PLUS  |

|     |     |   |   |     |    |     |       |
|-----|-----|---|---|-----|----|-----|-------|
| 681 | 186 | 1 | $\frac{y^{2/3}}{x^2}$                       | CD  | K  | ABI | MINUS |
| 682 | 186 | 2 |   | CD  | KI | ABI | PLUS  |
| 683 | 186 | 3 |   | CDI | K  | AB  | PLUS  |
| 684 | 186 | 4 |   | CDI | KI | AB  | MINUS |
| 685 | 187 | 1 | $x^3y$                                      | CD  | K  | K   | PLUS  |
| 686 | 187 | 2 |   | CD  | KI | K   | MINUS |
| 687 | 187 | 3 |   | CDI | K  | KI  | MINUS |
| 688 | 187 | 4 |   | CDI | KI | KI  | PLUS  |
| 689 | 188 | 1 | $\frac{x^3}{y}$                             | CD  | K  | K   | MINUS |
| 690 | 188 | 2 |   | CD  | KI | K   | PLUS  |
| 691 | 188 | 3 |   | CDI | K  | KI  | PLUS  |
| 692 | 188 | 4 |   | CDI | KI | KI  | MINUS |
| 693 | 189 | 1 | $\frac{1}{x^3y}$                            | CD  | K  | KI  | PLUS  |
| 694 | 189 | 2 |   | CD  | KI | KI  | MINUS |
| 695 | 189 | 3 |   | CDI | K  | K   | MINUS |
| 696 | 189 | 4 |   | CDI | KI | K   | PLUS  |
| 697 | 190 | 1 | $\frac{y}{x^3}$                             | CD  | K  | KI  | MINUS |
| 698 | 190 | 2 |   | CD  | KI | KI  | PLUS  |
| 699 | 190 | 3 |   | CDI | K  | K   | PLUS  |
| 700 | 190 | 4 |   | CDI | KI | K   | MINUS |
| 701 | 191 | 1 | $e^{x\sqrt[3]{y}}$                          | CD  | K  | LL  | PLUS  |
| 702 | 191 | 2 |   | CD  | KI | LL  | MINUS |
| 703 | 192 | 1 | $e^{\frac{x}{\sqrt[3]{y}}}$                 | CD  | K  | LL  | MINUS |
| 704 | 192 | 2 |   | CD  | KI | LL  | PLUS  |
| 705 | 193 | 1 | $LOG(x\sqrt[3]{y})$                         | CD  | K  | L   | PLUS  |
| 706 | 193 | 2 |   | CD  | KI | L   | MINUS |
| 707 | 194 | 1 | $LOG\left(\frac{x}{\sqrt[3]{y}}\right)$     | CD  | K  | L   | MINUS |
| 708 | 194 | 2 |   | CD  | KI | L   | PLUS  |
| 709 | 195 | 1 | $\arcsin(x\sqrt[3]{y})$                     | CD  | K  | S   | PLUS  |
| 710 | 195 | 2 |   | CD  | KI | S   | MINUS |
| 711 | 196 | 1 | $\arcsin\left(\frac{x}{\sqrt[3]{y}}\right)$ | CD  | K  | S   | MINUS |
| 712 | 196 | 2 |   | CD  | KI | S   | PLUS  |

|     |     |   |  |      |    |      |       |
|-----|-----|---|--|------|----|------|-------|
| 713 | 197 | 1 | $\arctan(x\sqrt[3]{y})$  | CD   | K  | T    | PLUS  |
| 714 | 197 | 2 |  | CD   | KI | T    | MINUS |
| 715 | 198 | 1 | $\arctan\left(\frac{x}{\sqrt[3]{y}}\right)$  | CD   | K  | T    | MINUS |
| 716 | 198 | 2 |  | CD   | KI | T    | PLUS  |
| 717 | 199 | 1 | $\sqrt{-x^2y^{2/3}+1}$   | CD   | K  | P    | PLUS  |
| 718 | 199 | 2 |  | CD   | KI | P    | MINUS |
| 719 | 200 | 1 | $\sqrt{\frac{y^{2/3}-x^2}{y^{2/3}}}$   | CD   | K  | P    | MINUS |
| 720 | 200 | 2 |  | CD   | KI | P    | PLUS  |
| 721 | 201 | 1 | $\sqrt{x^2y^{2/3}+1}$  | CD   | K  | H    | PLUS  |
| 722 | 201 | 2 |  | CD   | KI | H    | MINUS |
| 723 | 202 | 1 | $\sqrt{\frac{y^{2/3}+x^2}{y^{2/3}}}$   | CD   | K  | H    | MINUS |
| 724 | 202 | 2 |  | CD   | KI | H    | PLUS  |
| 725 | 203 | 1 | $1/2 e^x \sqrt[3]{y} - 1/2 e^{-x} \sqrt[3]{y}$   | CD   | K  | SH   | PLUS  |
| 726 | 203 | 2 |  | CD   | KI | SH   | MINUS |
| 727 | 204 | 1 | $1/2 e^{\frac{x}{\sqrt[3]{y}}} - 1/2 e^{-\frac{x}{\sqrt[3]{y}}}$                           | CD   | K  | SH   | MINUS |
| 728 | 204 | 2 |  | CD   | KI | SH   | PLUS  |
| 729 | 205 | 1 | $1/2 e^x \sqrt[3]{y} + 1/2 e^{-x} \sqrt[3]{y}$   | CD   | K  | CH   | PLUS  |
| 730 | 205 | 2 |  | CD   | KI | CH   | MINUS |
| 731 | 206 | 1 | $1/2 e^{\frac{x}{\sqrt[3]{y}}} + 1/2 e^{-\frac{x}{\sqrt[3]{y}}}$                           | CD   | K  | CH   | MINUS |
| 732 | 206 | 2 |  | CD   | KI | CH   | PLUS  |
| 733 | 207 | 1 | $\frac{e^{2x\sqrt[3]{y}}-1}{e^{2x\sqrt[3]{y}}+1}$  | CD   | K  | TH   | PLUS  |
| 734 | 207 | 2 |  | CD   | KI | TH   | MINUS |
| 735 | 208 | 1 | $1\left(e^{2\frac{x}{\sqrt[3]{y}}}-1\right)\left(e^{2\frac{x}{\sqrt[3]{y}}}+1\right)^{-1}$ | CD   | K  | TH   | MINUS |
| 736 | 208 | 2 |  | CD   | KI | TH   | PLUS  |
| 737 | 209 | 1 | $x \ln(y)$   | CD   | LL | CD   | PLUS  |
| 738 | 209 | 2 |  | CDI  | LL | CDI  | MINUS |
| 739 | 209 | 3 |  | CDF  | LL | CDF  | PLUS  |
| 740 | 209 | 4 |  | CDIF | LL | CDIF | MINUS |
| 741 | 210 | 1 | $\frac{x}{\ln(y)}$   | CD   | LL | CD   | MINUS |

|     |     |   |                            |      |    |      |       |
|-----|-----|---|----------------------------|------|----|------|-------|
| 742 | 210 | 2 |                            | CDI  | LL | CDI  | PLUS  |
| 743 | 210 | 3 |                            | CDF  | LL | CDF  | MINUS |
| 744 | 210 | 4 |                            | CDIF | LL | CDIF | PLUS  |
| 745 | 211 | 1 | $\frac{1}{x \ln(y)}$       | CD   | LL | CDI  | PLUS  |
| 746 | 211 | 2 |                            | CDI  | LL | CD   | MINUS |
| 747 | 211 | 3 |                            | CDF  | LL | CDIF | PLUS  |
| 748 | 211 | 4 |                            | CDIF | LL | CDF  | MINUS |
| 749 | 212 | 1 | $\frac{\ln(y)}{x}$         | CD   | LL | CDI  | MINUS |
| 750 | 212 | 2 |                            | CDI  | LL | CD   | PLUS  |
| 751 | 212 | 3 |                            | CDF  | LL | CDIF | MINUS |
| 752 | 212 | 4 |                            | CDIF | LL | CDF  | PLUS  |
| 753 | 213 | 1 | $x \ln(y) \pi$             | CD   | LL | CDF  | PLUS  |
| 754 | 213 | 2 |                            | CDIF | LL | CDI  | MINUS |
| 755 | 214 | 1 | $\frac{x\pi}{\ln(y)}$      | CD   | LL | CDF  | MINUS |
| 756 | 214 | 2 |                            | CDIF | LL | CDI  | PLUS  |
| 757 | 215 | 1 | $\frac{1}{x \ln(y) \pi}$   | CD   | LL | CDIF | PLUS  |
| 758 | 215 | 2 |                            | CDIF | LL | CD   | MINUS |
| 759 | 216 | 1 | $\frac{\ln(y)}{x\pi}$      | CD   | LL | CDIF | MINUS |
| 760 | 216 | 2 |                            | CDIF | LL | CD   | PLUS  |
| 761 | 217 | 1 | $x^2 (\ln(y))^2$           | CD   | LL | AB   | PLUS  |
| 762 | 217 | 2 |                            | CDI  | LL | ABI  | MINUS |
| 763 | 218 | 1 | $\frac{x^2}{(\ln(y))^2}$   | CD   | LL | AB   | MINUS |
| 764 | 218 | 2 |                            | CDI  | LL | ABI  | PLUS  |
| 765 | 219 | 1 | $\sqrt{x \ln(y)}$          | CD   | LL | W    | PLUS  |
| 766 | 220 | 1 | $\sqrt{\frac{x}{\ln(y)}}$  | CD   | LL | W    | MINUS |
| 767 | 221 | 1 | $\frac{1}{x^2 (\ln(y))^2}$ | CD   | LL | ABI  | PLUS  |
| 768 | 221 | 2 |                            | CDI  | LL | AB   | MINUS |
| 769 | 222 | 1 | $\frac{(\ln(y))^2}{x^2}$   | CD   | LL | ABI  | MINUS |
| 770 | 222 | 2 |                            | CDI  | LL | AB   | PLUS  |
| 771 | 223 | 1 | $x^3 (\ln(y))^3$           | CD   | LL | K    | PLUS  |

|     |     |   |  |     |    |    |       |
|-----|-----|---|--|-----|----|----|-------|
| 772 | 223 | 2 |  | CDI | LL | KI | MINUS |
| 773 | 224 | 1 | $\frac{x^3}{(\ln(y))^3}$                               | CD  | LL | K  | MINUS |
| 774 | 224 | 2 |  | CDI | LL | KI | PLUS  |
| 775 | 225 | 1 | $\frac{1}{x^3(\ln(y))^3}$                              | CD  | LL | KI | PLUS  |
| 776 | 225 | 2 |  | CDI | LL | K  | MINUS |
| 777 | 226 | 1 | $\frac{(\ln(y))^3}{x^3}$                               | CD  | LL | KI | MINUS |
| 778 | 226 | 2 |  | CDI | LL | K  | PLUS  |
| 779 | 227 | 1 | $y^x$  | CD  | LL | LL | PLUS  |
| 780 | 228 | 1 | $e^{\frac{x}{\ln(y)}}$                                 | CD  | LL | LL | MINUS |
| 781 | 229 | 1 | $LOG(x \ln(y))$  | CD  | LL | L  | PLUS  |
| 782 | 230 | 1 | $LOG\left(\frac{x}{\ln(y)}\right)$                     | CD  | LL | L  | MINUS |
| 783 | 231 | 1 | $\arcsin(x \ln(y))$                                    | CD  | LL | S  | PLUS  |
| 784 | 232 | 1 | $\arcsin\left(\frac{x}{\ln(y)}\right)$                 | CD  | LL | S  | MINUS |
| 785 | 233 | 1 | $\arctan(x \ln(y))$                                    | CD  | LL | T  | PLUS  |
| 786 | 234 | 1 | $\arctan\left(\frac{x}{\ln(y)}\right)$                 | CD  | LL | T  | MINUS |
| 787 | 235 | 1 | $\sqrt{-x^2 (\ln(y))^2 + 1}$                           | CD  | LL | P  | PLUS  |
| 788 | 236 | 1 | $\sqrt{\frac{(\ln(y))^2 - x^2}{(\ln(y))^2}}$           | CD  | LL | P  | MINUS |
| 789 | 237 | 1 | $\sqrt{x^2 (\ln(y))^2 + 1}$                            | CD  | LL | H  | PLUS  |
| 790 | 238 | 1 | $\sqrt{\frac{(\ln(y))^2 + x^2}{(\ln(y))^2}}$           | CD  | LL | H  | MINUS |
| 791 | 239 | 1 | $1/2 y^x - 1/2 y^{-x}$                                 | CD  | LL | SH | PLUS  |
| 792 | 240 | 1 | $1/2 e^{\frac{x}{\ln(y)}} - 1/2 e^{-\frac{x}{\ln(y)}}$ | CD  | LL | SH | MINUS |
| 793 | 241 | 1 | $1/2 y^x + 1/2 y^{-x}$                                 | CD  | LL | CH | PLUS  |



|     |     |   |  |      |    |      |       |
|-----|-----|---|--|------|----|------|-------|
| 794 | 242 | 1 | $1/2 e^{\frac{x}{\ln(y)}} + 1/2 e^{-\frac{x}{\ln(y)}}$                                     | CD   | LL | CH   | MINUS |
| 795 | 243 | 1 | $\frac{y^{2x}-1}{y^{2x}+1}$  | CD   | LL | TH   | PLUS  |
| 796 | 244 | 1 | $1 \left( e^{2\frac{x}{\ln(y)}} - 1 \right) \left( e^{2\frac{x}{\ln(y)}} + 1 \right)^{-1}$ | CD   | LL | TH   | MINUS |
| 797 | 245 | 1 | $xEXP(y)$  | CD   | L  | CD   | PLUS  |
| 798 | 245 | 2 |  | CDI  | L  | CDI  | MINUS |
| 799 | 245 | 3 |  | CDF  | L  | CDF  | PLUS  |
| 800 | 245 | 4 |  | CDIF | L  | CDIF | MINUS |
| 801 | 246 | 1 | $\frac{x}{EXP(y)}$   | CD   | L  | CD   | MINUS |
| 802 | 246 | 2 |  | CDI  | L  | CDI  | PLUS  |
| 803 | 246 | 3 |  | CDF  | L  | CDF  | MINUS |
| 804 | 246 | 4 |  | CDIF | L  | CDIF | PLUS  |
| 805 | 247 | 1 | $\frac{1}{xEXP(y)}$  | CD   | L  | CDI  | PLUS  |
| 806 | 247 | 2 |  | CDI  | L  | CD   | MINUS |
| 807 | 247 | 3 |  | CDF  | L  | CDIF | PLUS  |
| 808 | 247 | 4 |  | CDIF | L  | CDF  | MINUS |
| 809 | 248 | 1 | $\frac{EXP(y)}{x}$   | CD   | L  | CDI  | MINUS |
| 810 | 248 | 2 |  | CDI  | L  | CD   | PLUS  |
| 811 | 248 | 3 |  | CDF  | L  | CDIF | MINUS |
| 812 | 248 | 4 |  | CDIF | L  | CDF  | PLUS  |
| 813 | 249 | 1 | $xEXP(y)\pi$   | CD   | L  | CDF  | PLUS  |
| 814 | 249 | 2 |  | CDIF | L  | CDI  | MINUS |
| 815 | 250 | 1 | $\frac{x\pi}{EXP(y)}$  | CD   | L  | CDF  | MINUS |
| 816 | 250 | 2 |  | CDIF | L  | CDI  | PLUS  |
| 817 | 251 | 1 | $\frac{1}{xEXP(y)\pi}$   | CD   | L  | CDIF | PLUS  |
| 818 | 251 | 2 |  | CDIF | L  | CD   | MINUS |
| 819 | 252 | 1 | $\frac{EXP(y)}{x\pi}$  | CD   | L  | CDIF | MINUS |
| 820 | 252 | 2 |  | CDIF | L  | CD   | PLUS  |
| 821 | 253 | 1 | $x^2 (EXP(y))^2$   | CD   | L  | AB   | PLUS  |
| 822 | 253 | 2 |  | CDI  | L  | ABI  | MINUS |
| 823 | 254 | 1 | $\frac{x^2}{(EXP(y))^2}$   | CD   | L  | AB   | MINUS |
| 824 | 254 | 2 |  | CDI  | L  | ABI  | PLUS  |

|     |     |   |  |     |   |     |       |
|-----|-----|---|--|-----|---|-----|-------|
| 825 | 255 | 1 | $\sqrt{xEXP(y)}$                       | CD  | L | W   | PLUS  |
| 826 | 256 | 1 | $\sqrt{\frac{x}{EXP(y)}}$              | CD  | L | W   | MINUS |
| 827 | 257 | 1 | $\frac{1}{x^2(EXP(y))^2}$              | CD  | L | ABI | PLUS  |
| 828 | 257 | 2 |  | CDI | L | AB  | MINUS |
| 829 | 258 | 1 | $\frac{(EXP(y))^2}{x^2}$               | CD  | L | ABI | MINUS |
| 830 | 258 | 2 |  | CDI | L | AB  | PLUS  |
| 831 | 259 | 1 | $x^3(EXP(y))^3$                        | CD  | L | K   | PLUS  |
| 832 | 259 | 2 |  | CDI | L | KI  | MINUS |
| 833 | 260 | 1 | $\frac{x^3}{(EXP(y))^3}$               | CD  | L | K   | MINUS |
| 834 | 260 | 2 |  | CDI | L | KI  | PLUS  |
| 835 | 261 | 1 | $\frac{1}{x^3(EXP(y))^3}$              | CD  | L | KI  | PLUS  |
| 836 | 261 | 2 |  | CDI | L | K   | MINUS |
| 837 | 262 | 1 | $\frac{(EXP(y))^3}{x^3}$               | CD  | L | KI  | MINUS |
| 838 | 262 | 2 |  | CDI | L | K   | PLUS  |
| 839 | 263 | 1 | $e^{xEXP(y)}$                          | CD  | L | LL  | PLUS  |
| 840 | 264 | 1 | $e^{\frac{x}{EXP(y)}}$                 | CD  | L | LL  | MINUS |
| 841 | 265 | 1 | $LOG(xEXP(y))$                         | CD  | L | L   | PLUS  |
| 842 | 266 | 1 | $LOG\left(\frac{x}{EXP(y)}\right)$     | CD  | L | L   | MINUS |
| 843 | 267 | 1 | $\arcsin(xEXP(y))$                     | CD  | L | S   | PLUS  |
| 844 | 268 | 1 | $\arcsin\left(\frac{x}{EXP(y)}\right)$ | CD  | L | S   | MINUS |
| 845 | 269 | 1 | $\arctan(xEXP(y))$                     | CD  | L | T   | PLUS  |
| 846 | 270 | 1 | $\arctan\left(\frac{x}{EXP(y)}\right)$ | CD  | L | T   | MINUS |
| 847 | 271 | 1 | $\sqrt{-x^2(EXP(y))^2 + 1}$            | CD  | L | P   | PLUS  |

|     |     |   |  |      |   |      |       |
|-----|-----|---|--|------|---|------|-------|
| 848 | 272 | 1 | $\sqrt{\frac{(EXP(y))^2 - x^2}{(EXP(y))^2}}$   | CD   | L | P    | MINUS |
| 849 | 273 | 1 | $\sqrt{x^2 (EXP(y))^2 + 1}$  | CD   | L | H    | PLUS  |
| 850 | 274 | 1 | $\sqrt{\frac{(EXP(y))^2 + x^2}{(EXP(y))^2}}$   | CD   | L | H    | MINUS |
| 851 | 275 | 1 | $1/2 e^{x EXP(y)} - 1/2 e^{-x EXP(y)}$   | CD   | L | SH   | PLUS  |
| 852 | 276 | 1 | $1/2 e^{\frac{x}{EXP(y)}} - 1/2 e^{-\frac{x}{EXP(y)}}$                                       | CD   | L | SH   | MINUS |
| 853 | 277 | 1 | $1/2 e^{x EXP(y)} + 1/2 e^{-x EXP(y)}$   | CD   | L | CH   | PLUS  |
| 854 | 278 | 1 | $1/2 e^{\frac{x}{EXP(y)}} + 1/2 e^{-\frac{x}{EXP(y)}}$                                       | CD   | L | CH   | MINUS |
| 855 | 279 | 1 | $\frac{e^{2 x EXP(y)} - 1}{e^{2 x EXP(y)} + 1}$  | CD   | L | TH   | PLUS  |
| 856 | 280 | 1 | $1 \left( e^{2 \frac{x}{EXP(y)}} - 1 \right) \left( e^{2 \frac{x}{EXP(y)}} + 1 \right)^{-1}$ | CD   | L | TH   | MINUS |
| 857 | 281 | 1 | $x \sin(y)$  | CD   | S | CD   | PLUS  |
| 858 | 281 | 2 |  | CDI  | S | CDI  | MINUS |
| 859 | 281 | 3 |  | CDF  | S | CDF  | PLUS  |
| 860 | 281 | 4 |  | CDIF | S | CDIF | MINUS |
| 861 | 282 | 1 | $\frac{x}{\sin(y)}$  | CD   | S | CD   | MINUS |
| 862 | 282 | 2 |  | CDI  | S | CDI  | PLUS  |
| 863 | 282 | 3 |  | CDF  | S | CDF  | MINUS |
| 864 | 282 | 4 |  | CDIF | S | CDIF | PLUS  |
| 865 | 283 | 1 | $\frac{1}{x \sin(y)}$  | CD   | S | CDI  | PLUS  |
| 866 | 283 | 2 |  | CDI  | S | CD   | MINUS |
| 867 | 283 | 3 |  | CDF  | S | CDIF | PLUS  |
| 868 | 283 | 4 |  | CDIF | S | CDF  | MINUS |
| 869 | 284 | 1 | $\frac{\sin(y)}{x}$  | CD   | S | CDI  | MINUS |
| 870 | 284 | 2 |  | CDI  | S | CD   | PLUS  |
| 871 | 284 | 3 |  | CDF  | S | CDIF | MINUS |
| 872 | 284 | 4 |  | CDIF | S | CDF  | PLUS  |
| 873 | 285 | 1 | $x \sin(y) \pi$  | CD   | S | CDF  | PLUS  |
| 874 | 285 | 2 |  | CDIF | S | CDI  | MINUS |
| 875 | 286 | 1 | $\frac{x \pi}{\sin(y)}$  | CD   | S | CDF  | MINUS |

|     |     |   |                             |      |   |      |       |
|-----|-----|---|-----------------------------|------|---|------|-------|
| 876 | 286 | 2 |                             | CDIF | S | CDI  | PLUS  |
| 877 | 287 | 1 | $\frac{1}{x \sin(y) \pi}$   | CD   | S | CDIF | PLUS  |
| 878 | 287 | 2 |                             | CDIF | S | CD   | MINUS |
| 879 | 288 | 1 | $\frac{\sin(y)}{x \pi}$     | CD   | S | CDIF | MINUS |
| 880 | 288 | 2 |                             | CDIF | S | CD   | PLUS  |
| 881 | 289 | 1 | $x^2 (\sin(y))^2$           | CD   | S | AB   | PLUS  |
| 882 | 289 | 2 |                             | CDI  | S | ABI  | MINUS |
| 883 | 290 | 1 | $\frac{x^2}{(\sin(y))^2}$   | CD   | S | AB   | MINUS |
| 884 | 290 | 2 |                             | CDI  | S | ABI  | PLUS  |
| 885 | 291 | 1 | $\sqrt{x \sin(y)}$          | CD   | S | W    | PLUS  |
| 886 | 292 | 1 | $\sqrt{\frac{x}{\sin(y)}}$  | CD   | S | W    | MINUS |
| 887 | 293 | 1 | $\frac{1}{x^2 (\sin(y))^2}$ | CD   | S | ABI  | PLUS  |
| 888 | 293 | 2 |                             | CDI  | S | AB   | MINUS |
| 889 | 294 | 1 | $\frac{(\sin(y))^2}{x^2}$   | CD   | S | ABI  | MINUS |
| 890 | 294 | 2 |                             | CDI  | S | AB   | PLUS  |
| 891 | 295 | 1 | $x^3 (\sin(y))^3$           | CD   | S | K    | PLUS  |
| 892 | 295 | 2 |                             | CDI  | S | KI   | MINUS |
| 893 | 296 | 1 | $\frac{x^3}{(\sin(y))^3}$   | CD   | S | K    | MINUS |
| 894 | 296 | 2 |                             | CDI  | S | KI   | PLUS  |
| 895 | 297 | 1 | $\frac{1}{x^3 (\sin(y))^3}$ | CD   | S | KI   | PLUS  |
| 896 | 297 | 2 |                             | CDI  | S | K    | MINUS |
| 897 | 298 | 1 | $\frac{(\sin(y))^3}{x^3}$   | CD   | S | KI   | MINUS |
| 898 | 298 | 2 |                             | CDI  | S | K    | PLUS  |
| 899 | 299 | 1 | $e^{x \sin(y)}$             | CD   | S | LL   | PLUS  |
| 900 | 300 | 1 | $e^{\frac{x}{\sin(y)}}$     | CD   | S | LL   | MINUS |
| 901 | 301 | 1 | $LOG(x \sin(y))$            | CD   | S | L    | PLUS  |

|     |     |   |  |      |   |      |       |
|-----|-----|---|--|------|---|------|-------|
| 902 | 302 | 1 | $LOG\left(\frac{x}{\sin(y)}\right)$  | CD   | S | L    | MINUS |
| 903 | 303 | 1 | $\arcsin(x \sin(y))$   | CD   | S | S    | PLUS  |
| 904 | 304 | 1 | $\arcsin\left(\frac{x}{\sin(y)}\right)$  | CD   | S | S    | MINUS |
| 905 | 305 | 1 | $\arctan(x \sin(y))$   | CD   | S | T    | PLUS  |
| 906 | 306 | 1 | $\arctan\left(\frac{x}{\sin(y)}\right)$  | CD   | S | T    | MINUS |
| 907 | 307 | 1 | $\sqrt{(\cos(y))^2 x^2 - x^2 + 1}$   | CD   | S | P    | PLUS  |
| 908 | 308 | 1 | $\sqrt{\frac{(\sin(y))^2 - x^2}{(\sin(y))^2}}$   | CD   | S | P    | MINUS |
| 909 | 309 | 1 | $\sqrt{-(\cos(y))^2 x^2 + x^2 + 1}$  | CD   | S | H    | PLUS  |
| 910 | 310 | 1 | $\sqrt{\frac{(\sin(y))^2 + x^2}{(\sin(y))^2}}$   | CD   | S | H    | MINUS |
| 911 | 311 | 1 | $1/2 e^{x \sin(y)} - 1/2 e^{-x \sin(y)}$   | CD   | S | SH   | PLUS  |
| 912 | 312 | 1 | $1/2 e^{\frac{x}{\sin(y)}} - 1/2 e^{-\frac{x}{\sin(y)}}$                                     | CD   | S | SH   | MINUS |
| 913 | 313 | 1 | $1/2 e^{x \sin(y)} + 1/2 e^{-x \sin(y)}$   | CD   | S | CH   | PLUS  |
| 914 | 314 | 1 | $1/2 e^{\frac{x}{\sin(y)}} + 1/2 e^{-\frac{x}{\sin(y)}}$                                     | CD   | S | CH   | MINUS |
| 915 | 315 | 1 | $\frac{e^{2x \sin(y)} - 1}{e^{2x \sin(y)} + 1}$  | CD   | S | TH   | PLUS  |
| 916 | 316 | 1 | $1 \left( e^{2\frac{x}{\sin(y)}} - 1 \right) \left( e^{2\frac{x}{\sin(y)}} + 1 \right)^{-1}$ | CD   | S | TH   | MINUS |
| 917 | 317 | 1 | $x \tan(y)$  | CD   | T | CD   | PLUS  |
| 918 | 317 | 2 |  | CDI  | T | CDI  | MINUS |
| 919 | 317 | 3 |  | CDF  | T | CDF  | PLUS  |
| 920 | 317 | 4 |  | CDIF | T | CDIF | MINUS |
| 921 | 318 | 1 | $\frac{x}{\tan(y)}$  | CD   | T | CD   | MINUS |
| 922 | 318 | 2 |  | CDI  | T | CDI  | PLUS  |
| 923 | 318 | 3 |  | CDF  | T | CDF  | MINUS |
| 924 | 318 | 4 |  | CDIF | T | CDIF | PLUS  |
| 925 | 319 | 1 | $\frac{1}{x \tan(y)}$  | CD   | T | CDI  | PLUS  |

|     |     |   |                             |      |   |      |       |
|-----|-----|---|-----------------------------|------|---|------|-------|
| 926 | 319 | 2 |                             | CDI  | T | CD   | MINUS |
| 927 | 319 | 3 |                             | CDF  | T | CDIF | PLUS  |
| 928 | 319 | 4 |                             | CDIF | T | CDF  | MINUS |
| 929 | 320 | 1 | $\frac{\tan(y)}{x}$         | CD   | T | CDI  | MINUS |
| 930 | 320 | 2 |                             | CDI  | T | CD   | PLUS  |
| 931 | 320 | 3 |                             | CDF  | T | CDIF | MINUS |
| 932 | 320 | 4 |                             | CDIF | T | CDF  | PLUS  |
| 933 | 321 | 1 | $x \tan(y) \pi$             | CD   | T | CDF  | PLUS  |
| 934 | 321 | 2 |                             | CDIF | T | CDI  | MINUS |
| 935 | 322 | 1 | $\frac{x \pi}{\tan(y)}$     | CD   | T | CDF  | MINUS |
| 936 | 322 | 2 |                             | CDIF | T | CDI  | PLUS  |
| 937 | 323 | 1 | $\frac{1}{x \tan(y) \pi}$   | CD   | T | CDIF | PLUS  |
| 938 | 323 | 2 |                             | CDIF | T | CD   | MINUS |
| 939 | 324 | 1 | $\frac{\tan(y)}{x \pi}$     | CD   | T | CDIF | MINUS |
| 940 | 324 | 2 |                             | CDIF | T | CD   | PLUS  |
| 941 | 325 | 1 | $x^2 (\tan(y))^2$           | CD   | T | AB   | PLUS  |
| 942 | 325 | 2 |                             | CDI  | T | ABI  | MINUS |
| 943 | 326 | 1 | $\frac{x^2}{(\tan(y))^2}$   | CD   | T | AB   | MINUS |
| 944 | 326 | 2 |                             | CDI  | T | ABI  | PLUS  |
| 945 | 327 | 1 | $\sqrt{x \tan(y)}$          | CD   | T | W    | PLUS  |
| 946 | 328 | 1 | $\sqrt{\frac{x}{\tan(y)}}$  | CD   | T | W    | MINUS |
| 947 | 329 | 1 | $\frac{1}{x^2 (\tan(y))^2}$ | CD   | T | ABI  | PLUS  |
| 948 | 329 | 2 |                             | CDI  | T | AB   | MINUS |
| 949 | 330 | 1 | $\frac{(\tan(y))^2}{x^2}$   | CD   | T | ABI  | MINUS |
| 950 | 330 | 2 |                             | CDI  | T | AB   | PLUS  |
| 951 | 331 | 1 | $x^3 (\tan(y))^3$           | CD   | T | K    | PLUS  |
| 952 | 331 | 2 |                             | CDI  | T | KI   | MINUS |
| 953 | 332 | 1 | $\frac{x^3}{(\tan(y))^3}$   | CD   | T | K    | MINUS |
| 954 | 332 | 2 |                             | CDI  | T | KI   | PLUS  |

|     |     |   |   |     |   |    |       |
|-----|-----|---|---|-----|---|----|-------|
| 955 | 333 | 1 | $\frac{1}{x^3(\tan(y))^3}$  | CD  | T | KI | PLUS  |
| 956 | 333 | 2 |   | CDI | T | K  | MINUS |
| 957 | 334 | 1 | $\frac{(\tan(y))^3}{x^3}$   | CD  | T | KI | MINUS |
| 958 | 334 | 2 |   | CDI | T | K  | PLUS  |
| 959 | 335 | 1 | $e^{x \tan(y)}$   | CD  | T | LL | PLUS  |
| 960 | 336 | 1 | $e^{\frac{x}{\tan(y)}}$   | CD  | T | LL | MINUS |
| 961 | 337 | 1 | $LOG(x \tan(y))$  | CD  | T | L  | PLUS  |
| 962 | 338 | 1 | $LOG\left(\frac{x}{\tan(y)}\right)$                               | CD  | T | L  | MINUS |
| 963 | 339 | 1 | $\arcsin(x \tan(y))$  | CD  | T | S  | PLUS  |
| 964 | 340 | 1 | $\arcsin\left(\frac{x}{\tan(y)}\right)$                           | CD  | T | S  | MINUS |
| 965 | 341 | 1 | $\arctan(x \tan(y))$  | CD  | T | T  | PLUS  |
| 966 | 342 | 1 | $\arctan\left(\frac{x}{\tan(y)}\right)$                           | CD  | T | T  | MINUS |
| 967 | 343 | 1 | $\sqrt{\frac{(\cos(y))^2 x^2 + (\cos(y))^2 - x^2}{(\cos(y))^2}}$  | CD  | T | P  | PLUS  |
| 968 | 344 | 1 | $\sqrt{\frac{(\tan(y))^2 - x^2}{(\tan(y))^2}}$                    | CD  | T | P  | MINUS |
| 969 | 345 | 1 | $\sqrt{-\frac{(\cos(y))^2 x^2 - (\cos(y))^2 - x^2}{(\cos(y))^2}}$ | CD  | T | H  | PLUS  |
| 970 | 346 | 1 | $\sqrt{\frac{(\tan(y))^2 + x^2}{(\tan(y))^2}}$                    | CD  | T | H  | MINUS |
| 971 | 347 | 1 | $1/2 e^{x \tan(y)} - 1/2 e^{-x \tan(y)}$                          | CD  | T | SH | PLUS  |
| 972 | 348 | 1 | $1/2 e^{\frac{x}{\tan(y)}} - 1/2 e^{-\frac{x}{\tan(y)}}$          | CD  | T | SH | MINUS |
| 973 | 349 | 1 | $1/2 e^{x \tan(y)} + 1/2 e^{-x \tan(y)}$                          | CD  | T | CH | PLUS  |
| 974 | 350 | 1 | $1/2 e^{\frac{x}{\tan(y)}} + 1/2 e^{-\frac{x}{\tan(y)}}$          | CD  | T | CH | MINUS |
| 975 | 351 | 1 | $\frac{e^{2x \tan(y)} - 1}{e^{2x \tan(y)} + 1}$                   | CD  | T | TH | PLUS  |

|      |     |   |  |      |   |      |       |
|------|-----|---|--|------|---|------|-------|
| 976  | 352 | 1 | $1 \left( e^{2 \frac{x}{\tan(y)}} - 1 \right) \left( e^{2 \frac{x}{\tan(y)}} + 1 \right)^{-1}$ | CD   | T | TH   | MINUS |
| 977  | 353 | 1 | $x \sqrt{-y^2 + 1}$  | CD   | P | CD   | PLUS  |
| 978  | 353 | 2 |  | CDI  | P | CDI  | MINUS |
| 979  | 353 | 3 |  | CDF  | P | CDF  | PLUS  |
| 980  | 353 | 4 |  | CDIF | P | CDIF | MINUS |
| 981  | 354 | 1 | $\frac{x}{\sqrt{-y^2 + 1}}$  | CD   | P | CD   | MINUS |
| 982  | 354 | 2 |  | CDI  | P | CDI  | PLUS  |
| 983  | 354 | 3 |  | CDF  | P | CDF  | MINUS |
| 984  | 354 | 4 |  | CDIF | P | CDIF | PLUS  |
| 985  | 355 | 1 | $\frac{1}{x \sqrt{-y^2 + 1}}$  | CD   | P | CDI  | PLUS  |
| 986  | 355 | 2 |  | CDI  | P | CD   | MINUS |
| 987  | 355 | 3 |  | CDF  | P | CDIF | PLUS  |
| 988  | 355 | 4 |  | CDIF | P | CDF  | MINUS |
| 989  | 356 | 1 | $\frac{\sqrt{-y^2 + 1}}{x}$  | CD   | P | CDI  | MINUS |
| 990  | 356 | 2 |  | CDI  | P | CD   | PLUS  |
| 991  | 356 | 3 |  | CDF  | P | CDIF | MINUS |
| 992  | 356 | 4 |  | CDIF | P | CDF  | PLUS  |
| 993  | 357 | 1 | $x \sqrt{-y^2 + 1} \pi$  | CD   | P | CDF  | PLUS  |
| 994  | 357 | 2 |  | CDIF | P | CDI  | MINUS |
| 995  | 358 | 1 | $\frac{x \pi}{\sqrt{-y^2 + 1}}$  | CD   | P | CDF  | MINUS |
| 996  | 358 | 2 |  | CDIF | P | CDI  | PLUS  |
| 997  | 359 | 1 | $\frac{1}{x \sqrt{-y^2 + 1} \pi}$  | CD   | P | CDIF | PLUS  |
| 998  | 359 | 2 |  | CDIF | P | CD   | MINUS |
| 999  | 360 | 1 | $\frac{\sqrt{-y^2 + 1}}{x \pi}$  | CD   | P | CDIF | MINUS |
| 1000 | 360 | 2 |  | CDIF | P | CD   | PLUS  |
| 1001 | 361 | 1 | $x^2 (-y^2 + 1)$   | CD   | P | AB   | PLUS  |
| 1002 | 361 | 2 |  | CDI  | P | ABI  | MINUS |
| 1003 | 362 | 1 | $-\frac{x^2}{y^2 - 1}$   | CD   | P | AB   | MINUS |
| 1004 | 362 | 2 |  | CDI  | P | ABI  | PLUS  |
| 1005 | 363 | 1 | $\sqrt{x \sqrt{-y^2 + 1}}$   | CD   | P | W    | PLUS  |



|      |     |   |   |     |   |     |       |
|------|-----|---|---|-----|---|-----|-------|
| 1006 | 364 | 1 | $\sqrt{\frac{x}{\sqrt{-y^2+1}}}$              | CD  | P | W   | MINUS |
| 1007 | 365 | 1 | $-\frac{1}{x^2(y^2-1)}$                       | CD  | P | ABI | PLUS  |
| 1008 | 365 | 2 |   | CDI | P | AB  | MINUS |
| 1009 | 366 | 1 | $\frac{-y^2+1}{x^2}$                          | CD  | P | ABI | MINUS |
| 1010 | 366 | 2 |   | CDI | P | AB  | PLUS  |
| 1011 | 367 | 1 | $x^3(-y^2+1)^{3/2}$                           | CD  | P | K   | PLUS  |
| 1012 | 367 | 2 |   | CDI | P | KI  | MINUS |
| 1013 | 368 | 1 | $\frac{x^3}{(-y^2+1)^{3/2}}$                  | CD  | P | K   | MINUS |
| 1014 | 368 | 2 |   | CDI | P | KI  | PLUS  |
| 1015 | 369 | 1 | $\frac{1}{x^3(-y^2+1)^{3/2}}$                 | CD  | P | KI  | PLUS  |
| 1016 | 369 | 2 |   | CDI | P | K   | MINUS |
| 1017 | 370 | 1 | $\frac{(-y^2+1)^{3/2}}{x^3}$                  | CD  | P | KI  | MINUS |
| 1018 | 370 | 2 |   | CDI | P | K   | PLUS  |
| 1019 | 371 | 1 | $e^x\sqrt{-y^2+1}$                            | CD  | P | LL  | PLUS  |
| 1020 | 372 | 1 | $e^{\frac{x}{\sqrt{-y^2+1}}}$                 | CD  | P | LL  | MINUS |
| 1021 | 373 | 1 | $LOG\left(x\sqrt{-y^2+1}\right)$              | CD  | P | L   | PLUS  |
| 1022 | 374 | 1 | $LOG\left(\frac{x}{\sqrt{-y^2+1}}\right)$     | CD  | P | L   | MINUS |
| 1023 | 375 | 1 | $\arcsin\left(x\sqrt{-y^2+1}\right)$          | CD  | P | S   | PLUS  |
| 1024 | 376 | 1 | $\arcsin\left(\frac{x}{\sqrt{-y^2+1}}\right)$ | CD  | P | S   | MINUS |
| 1025 | 377 | 1 | $\arctan\left(x\sqrt{-y^2+1}\right)$          | CD  | P | T   | PLUS  |
| 1026 | 378 | 1 | $\arctan\left(\frac{x}{\sqrt{-y^2+1}}\right)$ | CD  | P | T   | MINUS |
| 1027 | 379 | 1 | $\sqrt{x^2y^2-x^2+1}$                         | CD  | P | P   | PLUS  |

|      |     |   |  |      |   |      |       |
|------|-----|---|--|------|---|------|-------|
| 1028 | 379 | 2 |  | CD   | H | H    | PLUS  |
| 1029 | 380 | 1 | $\sqrt{\frac{x^2+y^2-1}{y^2-1}}$   | CD   | P | P    | MINUS |
| 1030 | 380 | 2 |  | CD   | H | H    | MINUS |
| 1031 | 381 | 1 | $\sqrt{-x^2y^2+x^2+1}$   | CD   | P | H    | PLUS  |
| 1032 | 381 | 2 |  | CD   | H | P    | PLUS  |
| 1033 | 382 | 1 | $\sqrt{-\frac{x^2-y^2+1}{y^2-1}}$  | CD   | P | H    | MINUS |
| 1034 | 382 | 2 |  | CD   | H | P    | MINUS |
| 1035 | 383 | 1 | $1/2 e^{x\sqrt{-y^2+1}} - 1/2 e^{-x\sqrt{-y^2+1}}$   | CD   | P | SH   | PLUS  |
| 1036 | 384 | 1 | $1/2 e^{\frac{x}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{x}{\sqrt{-y^2+1}}}$                                     | CD   | P | SH   | MINUS |
| 1037 | 385 | 1 | $1/2 e^{x\sqrt{-y^2+1}} + 1/2 e^{-x\sqrt{-y^2+1}}$   | CD   | P | CH   | PLUS  |
| 1038 | 386 | 1 | $1/2 e^{\frac{x}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{x}{\sqrt{-y^2+1}}}$                                     | CD   | P | CH   | MINUS |
| 1039 | 387 | 1 | $\frac{e^{2x\sqrt{-y^2+1}}-1}{e^{2x\sqrt{-y^2+1}}+1}$  | CD   | P | TH   | PLUS  |
| 1040 | 388 | 1 | $1 \left( e^{2\frac{x}{\sqrt{-y^2+1}}} - 1 \right) \left( e^{2\frac{x}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | CD   | P | TH   | MINUS |
| 1041 | 389 | 1 | $x\sqrt{y^2-1}$  | CD   | H | CD   | PLUS  |
| 1042 | 389 | 2 |  | CDI  | H | CDI  | MINUS |
| 1043 | 389 | 3 |  | CDF  | H | CDF  | PLUS  |
| 1044 | 389 | 4 |  | CDIF | H | CDIF | MINUS |
| 1045 | 390 | 1 | $\frac{x}{\sqrt{y^2-1}}$   | CD   | H | CD   | MINUS |
| 1046 | 390 | 2 |  | CDI  | H | CDI  | PLUS  |
| 1047 | 390 | 3 |  | CDF  | H | CDF  | MINUS |
| 1048 | 390 | 4 |  | CDIF | H | CDIF | PLUS  |
| 1049 | 391 | 1 | $\frac{1}{x\sqrt{y^2-1}}$  | CD   | H | CDI  | PLUS  |
| 1050 | 391 | 2 |  | CDI  | H | CD   | MINUS |
| 1051 | 391 | 3 |  | CDF  | H | CDIF | PLUS  |
| 1052 | 391 | 4 |  | CDIF | H | CDF  | MINUS |
| 1053 | 392 | 1 | $\frac{\sqrt{y^2-1}}{x}$   | CD   | H | CDI  | MINUS |
| 1054 | 392 | 2 |  | CDI  | H | CD   | PLUS  |

|      |     |   |                                 |      |   |      |       |
|------|-----|---|---------------------------------|------|---|------|-------|
| 1055 | 392 | 3 |                                 | CD F | H | CDIF | MINUS |
| 1056 | 392 | 4 |                                 | CDIF | H | CD F | PLUS  |
| 1057 | 393 | 1 | $x\sqrt{y^2-1}\pi$              | CD   | H | CD F | PLUS  |
| 1058 | 393 | 2 |                                 | CDIF | H | CDI  | MINUS |
| 1059 | 394 | 1 | $\frac{x\pi}{\sqrt{y^2-1}}$     | CD   | H | CD F | MINUS |
| 1060 | 394 | 2 |                                 | CDIF | H | CDI  | PLUS  |
| 1061 | 395 | 1 | $\frac{1}{x\sqrt{y^2-1}\pi}$    | CD   | H | CDIF | PLUS  |
| 1062 | 395 | 2 |                                 | CDIF | H | CD   | MINUS |
| 1063 | 396 | 1 | $\frac{\sqrt{y^2-1}}{x\pi}$     | CD   | H | CDIF | MINUS |
| 1064 | 396 | 2 |                                 | CDIF | H | CD   | PLUS  |
| 1065 | 397 | 1 | $x^2(y^2-1)$                    | CD   | H | AB   | PLUS  |
| 1066 | 397 | 2 |                                 | CDI  | H | ABI  | MINUS |
| 1067 | 398 | 1 | $\frac{x^2}{y^2-1}$             | CD   | H | AB   | MINUS |
| 1068 | 398 | 2 |                                 | CDI  | H | ABI  | PLUS  |
| 1069 | 399 | 1 | $\sqrt{x\sqrt{y^2-1}}$          | CD   | H | W    | PLUS  |
| 1070 | 400 | 1 | $\sqrt{\frac{x}{\sqrt{y^2-1}}}$ | CD   | H | W    | MINUS |
| 1071 | 401 | 1 | $\frac{1}{x^2(y^2-1)}$          | CD   | H | ABI  | PLUS  |
| 1072 | 401 | 2 |                                 | CDI  | H | AB   | MINUS |
| 1073 | 402 | 1 | $\frac{y^2-1}{x^2}$             | CD   | H | ABI  | MINUS |
| 1074 | 402 | 2 |                                 | CDI  | H | AB   | PLUS  |
| 1075 | 403 | 1 | $x^3(y^2-1)^{3/2}$              | CD   | H | K    | PLUS  |
| 1076 | 403 | 2 |                                 | CDI  | H | KI   | MINUS |
| 1077 | 404 | 1 | $\frac{x^3}{(y^2-1)^{3/2}}$     | CD   | H | K    | MINUS |
| 1078 | 404 | 2 |                                 | CDI  | H | KI   | PLUS  |
| 1079 | 405 | 1 | $\frac{1}{x^3(y^2-1)^{3/2}}$    | CD   | H | KI   | PLUS  |
| 1080 | 405 | 2 |                                 | CDI  | H | K    | MINUS |
| 1081 | 406 | 1 | $\frac{(y^2-1)^{3/2}}{x^3}$     | CD   | H | KI   | MINUS |

|      |     |   |  |      |    |      |       |
|------|-----|---|--|------|----|------|-------|
| 1082 | 406 | 2 |  | CDI  | H  | K    | PLUS  |
| 1083 | 407 | 1 | $e^{x\sqrt{y^2-1}}$  | CD   | H  | LL   | PLUS  |
| 1084 | 408 | 1 | $e^{\frac{x}{\sqrt{y^2-1}}}$   | CD   | H  | LL   | MINUS |
| 1085 | 409 | 1 | $LOG\left(x\sqrt{y^2-1}\right)$  | CD   | H  | L    | PLUS  |
| 1086 | 410 | 1 | $LOG\left(\frac{x}{\sqrt{y^2-1}}\right)$   | CD   | H  | L    | MINUS |
| 1087 | 411 | 1 | $\arcsin\left(x\sqrt{y^2-1}\right)$  | CD   | H  | S    | PLUS  |
| 1088 | 412 | 1 | $\arcsin\left(\frac{x}{\sqrt{y^2-1}}\right)$   | CD   | H  | S    | MINUS |
| 1089 | 413 | 1 | $\arctan\left(x\sqrt{y^2-1}\right)$  | CD   | H  | T    | PLUS  |
| 1090 | 414 | 1 | $\arctan\left(\frac{x}{\sqrt{y^2-1}}\right)$   | CD   | H  | T    | MINUS |
| 1091 | 415 | 1 | $1/2 e^{x\sqrt{y^2-1}} - 1/2 e^{-x\sqrt{y^2-1}}$   | CD   | H  | SH   | PLUS  |
| 1092 | 416 | 1 | $1/2 e^{\frac{x}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{x}{\sqrt{y^2-1}}}$                           | CD   | H  | SH   | MINUS |
| 1093 | 417 | 1 | $1/2 e^{x\sqrt{y^2-1}} + 1/2 e^{-x\sqrt{y^2-1}}$   | CD   | H  | CH   | PLUS  |
| 1094 | 418 | 1 | $1/2 e^{\frac{x}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{x}{\sqrt{y^2-1}}}$                           | CD   | H  | CH   | MINUS |
| 1095 | 419 | 1 | $\frac{e^{2x\sqrt{y^2-1}}-1}{e^{2x\sqrt{y^2-1}}+1}$  | CD   | H  | TH   | PLUS  |
| 1096 | 420 | 1 | $1\left(e^{2\frac{x}{\sqrt{y^2-1}}}-1\right)\left(e^{2\frac{x}{\sqrt{y^2-1}}}+1\right)^{-1}$ | CD   | H  | TH   | MINUS |
| 1097 | 421 | 1 | $x \ln\left(y + \sqrt{y^2+1}\right)$   | CD   | SH | CD   | PLUS  |
| 1098 | 421 | 2 |  | CDI  | SH | CDI  | MINUS |
| 1099 | 421 | 3 |  | CDF  | SH | CDF  | PLUS  |
| 1100 | 421 | 4 |  | CDIF | SH | CDIF | MINUS |
| 1101 | 422 | 1 | $\frac{x}{\ln\left(y+\sqrt{y^2+1}\right)}$   | CD   | SH | CD   | MINUS |
| 1102 | 422 | 2 |  | CDI  | SH | CDI  | PLUS  |

|      |     |   |  |      |    |      |       |
|------|-----|---|--|------|----|------|-------|
| 1103 | 422 | 3 |  | CDF  | SH | CDF  | MINUS |
| 1104 | 422 | 4 |  | CDIF | SH | CDIF | PLUS  |
| 1105 | 423 | 1 | $\frac{1}{x \ln(y + \sqrt{y^2 + 1})}$                    | CD   | SH | CDI  | PLUS  |
| 1106 | 423 | 2 |  | CDI  | SH | CD   | MINUS |
| 1107 | 423 | 3 |  | CDF  | SH | CDIF | PLUS  |
| 1108 | 423 | 4 |  | CDIF | SH | CDF  | MINUS |
| 1109 | 424 | 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{x}$                      | CD   | SH | CDI  | MINUS |
| 1110 | 424 | 2 |  | CDI  | SH | CD   | PLUS  |
| 1111 | 424 | 3 |  | CDF  | SH | CDIF | MINUS |
| 1112 | 424 | 4 |  | CDIF | SH | CDF  | PLUS  |
| 1113 | 425 | 1 | $x \ln(y + \sqrt{y^2 + 1}) \pi$                          | CD   | SH | CDF  | PLUS  |
| 1114 | 425 | 2 |  | CDIF | SH | CDI  | MINUS |
| 1115 | 426 | 1 | $\frac{x\pi}{\ln(y + \sqrt{y^2 + 1})}$                   | CD   | SH | CDF  | MINUS |
| 1116 | 426 | 2 |  | CDIF | SH | CDI  | PLUS  |
| 1117 | 427 | 1 | $\frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}$                | CD   | SH | CDIF | PLUS  |
| 1118 | 427 | 2 |  | CDIF | SH | CD   | MINUS |
| 1119 | 428 | 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{x\pi}$                   | CD   | SH | CDIF | MINUS |
| 1120 | 428 | 2 |  | CDIF | SH | CD   | PLUS  |
| 1121 | 429 | 1 | $x^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2$           | CD   | SH | AB   | PLUS  |
| 1122 | 429 | 2 |  | CDI  | SH | ABI  | MINUS |
| 1123 | 430 | 1 | $\frac{x^2}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}$   | CD   | SH | AB   | MINUS |
| 1124 | 430 | 2 |  | CDI  | SH | ABI  | PLUS  |
| 1125 | 431 | 1 | $\sqrt{x \ln(y + \sqrt{y^2 + 1})}$                       | CD   | SH | W    | PLUS  |
| 1126 | 432 | 1 | $\sqrt{\frac{x}{\ln(y + \sqrt{y^2 + 1})}}$               | CD   | SH | W    | MINUS |
| 1127 | 433 | 1 | $\frac{1}{x^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2}$ | CD   | SH | ABI  | PLUS  |
| 1128 | 433 | 2 |  | CDI  | SH | AB   | MINUS |

|      |     |   |  |     |    |     |       |
|------|-----|---|--|-----|----|-----|-------|
| 1129 | 434 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}{x^2}$  | CD  | SH | ABI | MINUS |
| 1130 | 434 | 2 |  | CDI | SH | AB  | PLUS  |
| 1131 | 435 | 1 | $x^3\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3$   | CD  | SH | K   | PLUS  |
| 1132 | 435 | 2 |  | CDI | SH | KI  | MINUS |
| 1133 | 436 | 1 | $\frac{x^3}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}$  | CD  | SH | K   | MINUS |
| 1134 | 436 | 2 |  | CDI | SH | KI  | PLUS  |
| 1135 | 437 | 1 | $\frac{1}{x^3\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}$   | CD  | SH | KI  | PLUS  |
| 1136 | 437 | 2 |  | CDI | SH | K   | MINUS |
| 1137 | 438 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}{x^3}$  | CD  | SH | KI  | MINUS |
| 1138 | 438 | 2 |  | CDI | SH | K   | PLUS  |
| 1139 | 439 | 1 | $\left(y+\sqrt{y^2+1}\right)^x$  | CD  | SH | LL  | PLUS  |
| 1140 | 440 | 1 | $e^{\frac{x}{\ln\left(y+\sqrt{y^2+1}\right)}}$   | CD  | SH | LL  | MINUS |
| 1141 | 441 | 1 | $LOG\left(x\ln\left(y+\sqrt{y^2+1}\right)\right)$  | CD  | SH | L   | PLUS  |
| 1142 | 442 | 1 | $LOG\left(\frac{x}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | CD  | SH | L   | MINUS |
| 1143 | 443 | 1 | $\arcsin\left(x\ln\left(y+\sqrt{y^2+1}\right)\right)$  | CD  | SH | S   | PLUS  |
| 1144 | 444 | 1 | $\arcsin\left(\frac{x}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | CD  | SH | S   | MINUS |
| 1145 | 445 | 1 | $\arctan\left(x\ln\left(y+\sqrt{y^2+1}\right)\right)$  | CD  | SH | T   | PLUS  |
| 1146 | 446 | 1 | $\arctan\left(\frac{x}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | CD  | SH | T   | MINUS |
| 1147 | 447 | 1 | $\sqrt{-x^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$   | CD  | SH | P   | PLUS  |
| 1148 | 448 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-x^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$ | CD  | SH | P   | MINUS |

|      |     |   |  |      |    |      |       |
|------|-----|---|--|------|----|------|-------|
| 1149 | 449 | 1 | $\sqrt{x^2 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2 + 1}$  | CD   | SH | H    | PLUS  |
| 1150 | 450 | 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 + 1}))^2 + x^2}{(\ln(y + \sqrt{y^2 + 1}))^2}}$   | CD   | SH | H    | MINUS |
| 1151 | 451 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^x - 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-x}$   | CD   | SH | SH   | PLUS  |
| 1152 | 452 | 1 | $1/2 e^{\frac{x}{\ln(y + \sqrt{y^2 + 1})}} - 1/2 e^{-\frac{x}{\ln(y + \sqrt{y^2 + 1})}}$                                       | CD   | SH | SH   | MINUS |
| 1153 | 453 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^x + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-x}$   | CD   | SH | CH   | PLUS  |
| 1154 | 454 | 1 | $1/2 e^{\frac{x}{\ln(y + \sqrt{y^2 + 1})}} + 1/2 e^{-\frac{x}{\ln(y + \sqrt{y^2 + 1})}}$                                       | CD   | SH | CH   | MINUS |
| 1155 | 455 | 1 | $\frac{(y + \sqrt{y^2 + 1})^{2x} - 1}{(y + \sqrt{y^2 + 1})^{2x} + 1}$  | CD   | SH | TH   | PLUS  |
| 1156 | 456 | 1 | $1 \left( e^{2 \frac{x}{\ln(y + \sqrt{y^2 + 1})}} - 1 \right) \left( e^{2 \frac{x}{\ln(y + \sqrt{y^2 + 1})}} + 1 \right)^{-1}$ | CD   | SH | TH   | MINUS |
| 1157 | 457 | 1 | $x \ln \left( y + \sqrt{y^2 - 1} \right)$  | CD   | CH | CD   | PLUS  |
| 1158 | 457 | 2 |  | CDI  | CH | CDI  | MINUS |
| 1159 | 457 | 3 |  | CDF  | CH | CDF  | PLUS  |
| 1160 | 457 | 4 |  | CDIF | CH | CDIF | MINUS |
| 1161 | 458 | 1 | $\frac{x}{\ln(y + \sqrt{y^2 - 1})}$  | CD   | CH | CD   | MINUS |
| 1162 | 458 | 2 |  | CDI  | CH | CDI  | PLUS  |
| 1163 | 458 | 3 |  | CDF  | CH | CDF  | MINUS |
| 1164 | 458 | 4 |  | CDIF | CH | CDIF | PLUS  |
| 1165 | 459 | 1 | $\frac{1}{x \ln(y + \sqrt{y^2 - 1})}$  | CD   | CH | CDI  | PLUS  |
| 1166 | 459 | 2 |  | CDI  | CH | CD   | MINUS |
| 1167 | 459 | 3 |  | CDF  | CH | CDIF | PLUS  |
| 1168 | 459 | 4 |  | CDIF | CH | CDF  | MINUS |
| 1169 | 460 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{x}$  | CD   | CH | CDI  | MINUS |
| 1170 | 460 | 2 |  | CDI  | CH | CD   | PLUS  |
| 1171 | 460 | 3 |  | CDF  | CH | CDIF | MINUS |
| 1172 | 460 | 4 |  | CDIF | CH | CDF  | PLUS  |

|      |     |   |  |      |    |      |       |
|------|-----|---|--|------|----|------|-------|
| 1173 | 461 | 1 | $x \ln \left( y + \sqrt{y^2 - 1} \right) \pi$                          | CD   | CH | CDF  | PLUS  |
| 1174 | 461 | 2 |  | CDIF | CH | CDI  | MINUS |
| 1175 | 462 | 1 | $\frac{x\pi}{\ln \left( y + \sqrt{y^2 - 1} \right)}$                   | CD   | CH | CDF  | MINUS |
| 1176 | 462 | 2 |  | CDIF | CH | CDI  | PLUS  |
| 1177 | 463 | 1 | $\frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi}$                | CD   | CH | CDIF | PLUS  |
| 1178 | 463 | 2 |  | CDIF | CH | CD   | MINUS |
| 1179 | 464 | 1 | $\frac{\ln \left( y + \sqrt{y^2 - 1} \right)}{x\pi}$                   | CD   | CH | CDIF | MINUS |
| 1180 | 464 | 2 |  | CDIF | CH | CD   | PLUS  |
| 1181 | 465 | 1 | $x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2$           | CD   | CH | AB   | PLUS  |
| 1182 | 465 | 2 |  | CDI  | CH | ABI  | MINUS |
| 1183 | 466 | 1 | $\frac{x^2}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}$   | CD   | CH | AB   | MINUS |
| 1184 | 466 | 2 |  | CDI  | CH | ABI  | PLUS  |
| 1185 | 467 | 1 | $\sqrt{x \ln \left( y + \sqrt{y^2 - 1} \right)}$                       | CD   | CH | W    | PLUS  |
| 1186 | 468 | 1 | $\sqrt{\frac{x}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$               | CD   | CH | W    | MINUS |
| 1187 | 469 | 1 | $\frac{1}{x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}$ | CD   | CH | ABI  | PLUS  |
| 1188 | 469 | 2 |  | CDI  | CH | AB   | MINUS |
| 1189 | 470 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{x^2}$   | CD   | CH | ABI  | MINUS |
| 1190 | 470 | 2 |  | CDI  | CH | AB   | PLUS  |
| 1191 | 471 | 1 | $x^3 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3$           | CD   | CH | K    | PLUS  |
| 1192 | 471 | 2 |  | CDI  | CH | KI   | MINUS |
| 1193 | 472 | 1 | $\frac{x^3}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$   | CD   | CH | K    | MINUS |
| 1194 | 472 | 2 |  | CDI  | CH | KI   | PLUS  |
| 1195 | 473 | 1 | $\frac{1}{x^3 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$ | CD   | CH | KI   | PLUS  |
| 1196 | 473 | 2 |  | CDI  | CH | K    | MINUS |



|      |     |   |  |     |    |    |       |
|------|-----|---|--|-----|----|----|-------|
| 1197 | 474 | 1 | $\frac{(\ln(y+\sqrt{y^2-1}))^3}{x^3}$  | CD  | CH | KI | MINUS |
| 1198 | 474 | 2 |  | CDI | CH | K  | PLUS  |
| 1199 | 475 | 1 | $(y + \sqrt{y^2 - 1})^x$   | CD  | CH | LL | PLUS  |
| 1200 | 476 | 1 | $e^{\frac{x}{\ln(y+\sqrt{y^2-1})}}$  | CD  | CH | LL | MINUS |
| 1201 | 477 | 1 | $LOG\left(x \ln\left(y + \sqrt{y^2 - 1}\right)\right)$                             | CD  | CH | L  | PLUS  |
| 1202 | 478 | 1 | $LOG\left(\frac{x}{\ln(y+\sqrt{y^2-1})}\right)$                                    | CD  | CH | L  | MINUS |
| 1203 | 479 | 1 | $\arcsin\left(x \ln\left(y + \sqrt{y^2 - 1}\right)\right)$                         | CD  | CH | S  | PLUS  |
| 1204 | 480 | 1 | $\arcsin\left(\frac{x}{\ln(y+\sqrt{y^2-1})}\right)$                                | CD  | CH | S  | MINUS |
| 1205 | 481 | 1 | $\arctan\left(x \ln\left(y + \sqrt{y^2 - 1}\right)\right)$                         | CD  | CH | T  | PLUS  |
| 1206 | 482 | 1 | $\arctan\left(\frac{x}{\ln(y+\sqrt{y^2-1})}\right)$                                | CD  | CH | T  | MINUS |
| 1207 | 483 | 1 | $\sqrt{-x^2 \left(\ln\left(y + \sqrt{y^2 - 1}\right)\right)^2 + 1}$                | CD  | CH | P  | PLUS  |
| 1208 | 484 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2 - x^2}{(\ln(y+\sqrt{y^2-1}))^2}}$             | CD  | CH | P  | MINUS |
| 1209 | 485 | 1 | $\sqrt{x^2 \left(\ln\left(y + \sqrt{y^2 - 1}\right)\right)^2 + 1}$                 | CD  | CH | H  | PLUS  |
| 1210 | 486 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2 + x^2}{(\ln(y+\sqrt{y^2-1}))^2}}$             | CD  | CH | H  | MINUS |
| 1211 | 487 | 1 | $1/2 \left(y + \sqrt{y^2 - 1}\right)^x - 1/2 \left(y + \sqrt{y^2 - 1}\right)^{-x}$ | CD  | CH | SH | PLUS  |
| 1212 | 488 | 1 | $1/2 e^{\frac{x}{\ln(y+\sqrt{y^2-1})}} - 1/2 e^{-\frac{x}{\ln(y+\sqrt{y^2-1})}}$   | CD  | CH | SH | MINUS |

|      |     |   |  |      |    |      |       |
|------|-----|---|--|------|----|------|-------|
| 1213 | 489 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^x + 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-x}$                                       | CD   | CH | CH   | PLUS  |
| 1214 | 490 | 1 | $1/2 e^{\frac{x}{\ln(y + \sqrt{y^2 - 1})}} + 1/2 e^{-\frac{x}{\ln(y + \sqrt{y^2 - 1})}}$                                     | CD   | CH | CH   | MINUS |
| 1215 | 491 | 1 | $\frac{(y + \sqrt{y^2 - 1})^{2x} - 1}{(y + \sqrt{y^2 - 1})^{2x} + 1}$  | CD   | CH | TH   | PLUS  |
| 1216 | 492 | 1 | $1 \left( e^{\frac{2x}{\ln(y + \sqrt{y^2 - 1})}} - 1 \right) \left( e^{\frac{2x}{\ln(y + \sqrt{y^2 - 1})}} + 1 \right)^{-1}$ | CD   | CH | TH   | MINUS |
| 1217 | 493 | 1 | $1/2 x \ln \left( \frac{-y-1}{y-1} \right)$  | CD   | TH | CD   | PLUS  |
| 1218 | 493 | 2 |  | CDI  | TH | CDI  | MINUS |
| 1219 | 493 | 3 |  | CDF  | TH | CDF  | PLUS  |
| 1220 | 493 | 4 |  | CDIF | TH | CDIF | MINUS |
| 1221 | 494 | 1 | $2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | CD   | TH | CD   | MINUS |
| 1222 | 494 | 2 |  | CDI  | TH | CDI  | PLUS  |
| 1223 | 494 | 3 |  | CDF  | TH | CDF  | MINUS |
| 1224 | 494 | 4 |  | CDIF | TH | CDIF | PLUS  |
| 1225 | 495 | 1 | $2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | CD   | TH | CDI  | PLUS  |
| 1226 | 495 | 2 |  | CDI  | TH | CD   | MINUS |
| 1227 | 495 | 3 |  | CDF  | TH | CDIF | PLUS  |
| 1228 | 495 | 4 |  | CDIF | TH | CDF  | MINUS |
| 1229 | 496 | 1 | $1/2 \frac{1}{x} \ln \left( \frac{-y-1}{y-1} \right)$  | CD   | TH | CDI  | MINUS |
| 1230 | 496 | 2 |  | CDI  | TH | CD   | PLUS  |
| 1231 | 496 | 3 |  | CDF  | TH | CDIF | MINUS |
| 1232 | 496 | 4 |  | CDIF | TH | CDF  | PLUS  |
| 1233 | 497 | 1 | $1/2 x \ln \left( \frac{-y-1}{y-1} \right) \pi$  | CD   | TH | CDF  | PLUS  |
| 1234 | 497 | 2 |  | CDIF | TH | CDI  | MINUS |
| 1235 | 498 | 1 | $2x\pi \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | CD   | TH | CDF  | MINUS |
| 1236 | 498 | 2 |  | CDIF | TH | CDI  | PLUS  |
| 1237 | 499 | 1 | $2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | CD   | TH | CDIF | PLUS  |
| 1238 | 499 | 2 |  | CDIF | TH | CD   | MINUS |

|      |     |   |   |      |    |      |       |
|------|-----|---|---|------|----|------|-------|
| 1239 | 500 | 1 | $1/2 \frac{1}{x\pi} \ln \left( \frac{-y-1}{y-1} \right)$                    | CD   | TH | CDIF | MINUS |
| 1240 | 500 | 2 |   | CDIF | TH | CD   | PLUS  |
| 1241 | 501 | 1 | $1/4 x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$              | CD   | TH | AB   | PLUS  |
| 1242 | 501 | 2 |   | CDI  | TH | ABI  | MINUS |
| 1243 | 502 | 1 | $4 x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$             | CD   | TH | AB   | MINUS |
| 1244 | 502 | 2 |   | CDI  | TH | ABI  | PLUS  |
| 1245 | 503 | 1 | $1/2 \sqrt{2} \sqrt{x \ln \left( \frac{-y-1}{y-1} \right)}$                 | CD   | TH | W    | PLUS  |
| 1246 | 504 | 1 | $\sqrt{2} \sqrt{x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$ | CD   | TH | W    | MINUS |
| 1247 | 505 | 1 | $4 \frac{1}{x^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$   | CD   | TH | ABI  | PLUS  |
| 1248 | 505 | 2 |   | CDI  | TH | AB   | MINUS |
| 1249 | 506 | 1 | $1/4 \frac{1}{x^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$    | CD   | TH | ABI  | MINUS |
| 1250 | 506 | 2 |   | CDI  | TH | AB   | PLUS  |
| 1251 | 507 | 1 | $1/8 x^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$              | CD   | TH | K    | PLUS  |
| 1252 | 507 | 2 |   | CDI  | TH | KI   | MINUS |
| 1253 | 508 | 1 | $8 x^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$             | CD   | TH | K    | MINUS |
| 1254 | 508 | 2 |   | CDI  | TH | KI   | PLUS  |
| 1255 | 509 | 1 | $8 \frac{1}{x^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$   | CD   | TH | KI   | PLUS  |
| 1256 | 509 | 2 |   | CDI  | TH | K    | MINUS |
| 1257 | 510 | 1 | $1/8 \frac{1}{x^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$    | CD   | TH | KI   | MINUS |
| 1258 | 510 | 2 |   | CDI  | TH | K    | PLUS  |
| 1259 | 511 | 1 | $\left( -\frac{y+1}{y-1} \right)^{x/2}$                                     | CD   | TH | LL   | PLUS  |
| 1260 | 512 | 1 | $e^{2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$            | CD   | TH | LL   | MINUS |
| 1261 | 513 | 1 | $LOG \left( 1/2 x \ln \left( \frac{-y-1}{y-1} \right) \right)$              | CD   | TH | L    | PLUS  |

|      |     |   |  |     |    |    |       |
|------|-----|---|--|-----|----|----|-------|
| 1262 | 514 | 1 | $LOG \left( 2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CD  | TH | L  | MINUS |
| 1263 | 515 | 1 | $\arcsin \left( 1/2 x \ln \left( \frac{-y-1}{y-1} \right) \right)$   | CD  | TH | S  | PLUS  |
| 1264 | 516 | 1 | $\arcsin \left( 2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CD  | TH | S  | MINUS |
| 1265 | 517 | 1 | $\arctan \left( 1/2 x \ln \left( \frac{-y-1}{y-1} \right) \right)$   | CD  | TH | T  | PLUS  |
| 1266 | 518 | 1 | $\arctan \left( 2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CD  | TH | T  | MINUS |
| 1267 | 519 | 1 | $1/2 \sqrt{-x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$   | CD  | TH | P  | PLUS  |
| 1268 | 520 | 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 - 4x^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$  | CD  | TH | P  | MINUS |
| 1269 | 521 | 1 | $1/2 \sqrt{x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$  | CD  | TH | H  | PLUS  |
| 1270 | 522 | 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4x^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$  | CD  | TH | H  | MINUS |
| 1271 | 523 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{x/2} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-x/2}$   | CD  | TH | SH | PLUS  |
| 1272 | 524 | 1 | $1/2 e^{2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1/2 e^{-2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CD  | TH | SH | MINUS |
| 1273 | 525 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{x/2} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-x/2}$   | CD  | TH | CH | PLUS  |
| 1274 | 526 | 1 | $1/2 e^{2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1/2 e^{-2x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CD  | TH | CH | MINUS |
| 1275 | 527 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{x/2} - \left( \frac{-y-1}{y-1} \right)^{-x/2} \right) \left( \left( \frac{-y-1}{y-1} \right)^{x/2} + \left( \frac{-y-1}{y-1} \right)^{-x/2} \right)^{-1}$ | CD  | TH | TH | PLUS  |
| 1276 | 528 | 1 | $1 \left( e^{4x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1 \right) \left( e^{4x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1 \right)^{-1}$                         | CD  | TH | TH | MINUS |
| 1277 | 529 | 1 | $\sqrt{\frac{y}{x}}$   | CDI | CD | W  | PLUS  |

|      |     |   |                                    |      |      |    |       |
|------|-----|---|------------------------------------|------|------|----|-------|
| 1278 | 529 | 2 |                                    | CDI  | CDI  | W  | MINUS |
| 1279 | 529 | 3 |                                    | CDIF | CDIF | W  | MINUS |
| 1280 | 530 | 1 | $\sqrt{\frac{1}{xy}}$              | CDI  | CD   | W  | MINUS |
| 1281 | 530 | 2 |                                    | CDI  | CDI  | W  | PLUS  |
| 1282 | 530 | 3 |                                    | CDIF | CDF  | W  | MINUS |
| 1283 | 531 | 1 | $e^{\frac{y}{x}}$                  | CDI  | CD   | LL | PLUS  |
| 1284 | 531 | 2 |                                    | CDI  | CDI  | LL | MINUS |
| 1285 | 531 | 3 |                                    | CDIF | CDIF | LL | MINUS |
| 1286 | 532 | 1 | $e^{\frac{1}{xy}}$                 | CDI  | CD   | LL | MINUS |
| 1287 | 532 | 2 |                                    | CDI  | CDI  | LL | PLUS  |
| 1288 | 532 | 3 |                                    | CDIF | CDF  | LL | MINUS |
| 1289 | 533 | 1 | $LOG\left(\frac{y}{x}\right)$      | CDI  | CD   | L  | PLUS  |
| 1290 | 533 | 2 |                                    | CDI  | CDI  | L  | MINUS |
| 1291 | 533 | 3 |                                    | CDIF | CDIF | L  | MINUS |
| 1292 | 534 | 1 | $LOG\left(\frac{1}{xy}\right)$     | CDI  | CD   | L  | MINUS |
| 1293 | 534 | 2 |                                    | CDI  | CDI  | L  | PLUS  |
| 1294 | 534 | 3 |                                    | CDIF | CDF  | L  | MINUS |
| 1295 | 535 | 1 | $\arcsin\left(\frac{y}{x}\right)$  | CDI  | CD   | S  | PLUS  |
| 1296 | 535 | 2 |                                    | CDI  | CDI  | S  | MINUS |
| 1297 | 535 | 3 |                                    | CDIF | CDIF | S  | MINUS |
| 1298 | 536 | 1 | $\arcsin\left(\frac{1}{xy}\right)$ | CDI  | CD   | S  | MINUS |
| 1299 | 536 | 2 |                                    | CDI  | CDI  | S  | PLUS  |
| 1300 | 536 | 3 |                                    | CDIF | CDF  | S  | MINUS |
| 1301 | 537 | 1 | $\arctan\left(\frac{y}{x}\right)$  | CDI  | CD   | T  | PLUS  |
| 1302 | 537 | 2 |                                    | CDI  | CDI  | T  | MINUS |
| 1303 | 537 | 3 |                                    | CDIF | CDIF | T  | MINUS |
| 1304 | 538 | 1 | $\arctan\left(\frac{1}{xy}\right)$ | CDI  | CD   | T  | MINUS |
| 1305 | 538 | 2 |                                    | CDI  | CDI  | T  | PLUS  |
| 1306 | 538 | 3 |                                    | CDIF | CDF  | T  | MINUS |
| 1307 | 539 | 1 | $\sqrt{\frac{x^2-y^2}{x^2}}$       | CDI  | CD   | P  | PLUS  |
| 1308 | 539 | 2 |                                    | CDI  | CDI  | P  | MINUS |
| 1309 | 539 | 3 |                                    | CDIF | CDIF | P  | MINUS |

|      |     |   |  |      |      |      |       |
|------|-----|---|--|------|------|------|-------|
| 1310 | 540 | 1 | $\sqrt{\frac{x^2 y^2 - 1}{x^2 y^2}}$   | CDI  | CD   | P    | MINUS |
| 1311 | 540 | 2 |  | CDI  | CDI  | P    | PLUS  |
| 1312 | 540 | 3 |  | CDIF | CDF  | P    | MINUS |
| 1313 | 541 | 1 | $\sqrt{\frac{x^2 + y^2}{x^2}}$   | CDI  | CD   | H    | PLUS  |
| 1314 | 541 | 2 |  | CDI  | CDI  | H    | MINUS |
| 1315 | 541 | 3 |  | CDIF | CDIF | H    | MINUS |
| 1316 | 542 | 1 | $\sqrt{\frac{x^2 y^2 + 1}{x^2 y^2}}$   | CDI  | CD   | H    | MINUS |
| 1317 | 542 | 2 |  | CDI  | CDI  | H    | PLUS  |
| 1318 | 542 | 3 |  | CDIF | CDF  | H    | MINUS |
| 1319 | 543 | 1 | $1/2 e^{\frac{y}{x}} - 1/2 e^{-\frac{y}{x}}$                                       | CDI  | CD   | SH   | PLUS  |
| 1320 | 543 | 2 |  | CDI  | CDI  | SH   | MINUS |
| 1321 | 543 | 3 |  | CDIF | CDIF | SH   | MINUS |
| 1322 | 544 | 1 | $1/2 e^{\frac{1}{xy}} - 1/2 e^{-\frac{1}{xy}}$                                     | CDI  | CD   | SH   | MINUS |
| 1323 | 544 | 2 |  | CDI  | CDI  | SH   | PLUS  |
| 1324 | 544 | 3 |  | CDIF | CDF  | SH   | MINUS |
| 1325 | 545 | 1 | $1/2 e^{\frac{y}{x}} + 1/2 e^{-\frac{y}{x}}$                                       | CDI  | CD   | CH   | PLUS  |
| 1326 | 545 | 2 |  | CDI  | CDI  | CH   | MINUS |
| 1327 | 545 | 3 |  | CDIF | CDIF | CH   | MINUS |
| 1328 | 546 | 1 | $1/2 e^{\frac{1}{xy}} + 1/2 e^{-\frac{1}{xy}}$                                     | CDI  | CD   | CH   | MINUS |
| 1329 | 546 | 2 |  | CDI  | CDI  | CH   | PLUS  |
| 1330 | 546 | 3 |  | CDIF | CDF  | CH   | MINUS |
| 1331 | 547 | 1 | $1 \left( e^{2\frac{y}{x}} - 1 \right) \left( e^{2\frac{y}{x}} + 1 \right)^{-1}$   | CDI  | CD   | TH   | PLUS  |
| 1332 | 547 | 2 |  | CDI  | CDI  | TH   | MINUS |
| 1333 | 547 | 3 |  | CDIF | CDIF | TH   | MINUS |
| 1334 | 548 | 1 | $1 \left( e^{2\frac{1}{xy}} - 1 \right) \left( e^{2\frac{1}{xy}} + 1 \right)^{-1}$ | CDI  | CD   | TH   | MINUS |
| 1335 | 548 | 2 |  | CDI  | CDI  | TH   | PLUS  |
| 1336 | 548 | 3 |  | CDIF | CDF  | TH   | MINUS |
| 1337 | 549 | 1 | $\frac{\pi^2}{xy}$   | CDI  | CDF  | CDF  | MINUS |
| 1338 | 549 | 2 |  | CDF  | CDF  | CDI  | PLUS  |
| 1339 | 550 | 1 | $\frac{xy}{\pi^2}$   | CDI  | CDF  | CDIF | MINUS |
| 1340 | 550 | 2 |  | CDF  | CDF  | CD   | PLUS  |

|      |     |   |  |      |     |    |       |
|------|-----|---|--|------|-----|----|-------|
| 1341 | 551 | 1 | $\sqrt{\frac{y}{x\pi}}$                | CDI  | CDF | W  | PLUS  |
| 1342 | 551 | 2 |  | CDIF | CD  | W  | PLUS  |
| 1343 | 551 | 3 |  | CDIF | CDI | W  | MINUS |
| 1344 | 552 | 1 | $\sqrt{\frac{\pi}{xy}}$                | CDI  | CDF | W  | MINUS |
| 1345 | 553 | 1 | $e^{\frac{y}{x\pi}}$                   | CDI  | CDF | LL | PLUS  |
| 1346 | 553 | 2 |  | CDIF | CD  | LL | PLUS  |
| 1347 | 553 | 3 |  | CDIF | CDI | LL | MINUS |
| 1348 | 554 | 1 | $e^{\frac{\pi}{xy}}$                   | CDI  | CDF | LL | MINUS |
| 1349 | 555 | 1 | $LOG\left(\frac{y}{x\pi}\right)$       | CDI  | CDF | L  | PLUS  |
| 1350 | 555 | 2 |  | CDIF | CD  | L  | PLUS  |
| 1351 | 555 | 3 |  | CDIF | CDI | L  | MINUS |
| 1352 | 556 | 1 | $LOG\left(\frac{\pi}{xy}\right)$       | CDI  | CDF | L  | MINUS |
| 1353 | 557 | 1 | $\arcsin\left(\frac{y}{x\pi}\right)$   | CDI  | CDF | S  | PLUS  |
| 1354 | 557 | 2 |  | CDIF | CD  | S  | PLUS  |
| 1355 | 557 | 3 |  | CDIF | CDI | S  | MINUS |
| 1356 | 558 | 1 | $\arcsin\left(\frac{\pi}{xy}\right)$   | CDI  | CDF | S  | MINUS |
| 1357 | 559 | 1 | $\arctan\left(\frac{y}{x\pi}\right)$   | CDI  | CDF | T  | PLUS  |
| 1358 | 559 | 2 |  | CDIF | CD  | T  | PLUS  |
| 1359 | 559 | 3 |  | CDIF | CDI | T  | MINUS |
| 1360 | 560 | 1 | $\arctan\left(\frac{\pi}{xy}\right)$   | CDI  | CDF | T  | MINUS |
| 1361 | 561 | 1 | $\sqrt{\frac{x^2\pi^2-y^2}{x^2\pi^2}}$ | CDI  | CDF | P  | PLUS  |
| 1362 | 561 | 2 |  | CDIF | CD  | P  | PLUS  |
| 1363 | 561 | 3 |  | CDIF | CDI | P  | MINUS |
| 1364 | 562 | 1 | $\sqrt{-\frac{x^2y^2+\pi^2}{x^2y^2}}$  | CDI  | CDF | P  | MINUS |
| 1365 | 563 | 1 | $\sqrt{\frac{x^2\pi^2+y^2}{x^2\pi^2}}$ | CDI  | CDF | H  | PLUS  |
| 1366 | 563 | 2 |  | CDIF | CD  | H  | PLUS  |
| 1367 | 563 | 3 |  | CDIF | CDI | H  | MINUS |
| 1368 | 564 | 1 | $\sqrt{\frac{x^2y^2+\pi^2}{x^2y^2}}$   | CDI  | CDF | H  | MINUS |

|      |     |   |  |      |      |      |       |
|------|-----|---|--|------|------|------|-------|
| 1369 | 565 | 1 | $1/2 e^{\frac{y}{x\pi}} - 1/2 e^{-\frac{y}{x\pi}}$                                     | CDI  | CDF  | SH   | PLUS  |
| 1370 | 565 | 2 |  | CDIF | CD   | SH   | PLUS  |
| 1371 | 565 | 3 |  | CDIF | CDI  | SH   | MINUS |
| 1372 | 566 | 1 | $1/2 e^{\frac{\pi}{xy}} - 1/2 e^{-\frac{\pi}{xy}}$                                     | CDI  | CDF  | SH   | MINUS |
| 1373 | 567 | 1 | $1/2 e^{\frac{y}{x\pi}} + 1/2 e^{-\frac{y}{x\pi}}$                                     | CDI  | CDF  | CH   | PLUS  |
| 1374 | 567 | 2 |  | CDIF | CD   | CH   | PLUS  |
| 1375 | 567 | 3 |  | CDIF | CDI  | CH   | MINUS |
| 1376 | 568 | 1 | $1/2 e^{\frac{\pi}{xy}} + 1/2 e^{-\frac{\pi}{xy}}$                                     | CDI  | CDF  | CH   | MINUS |
| 1377 | 569 | 1 | $1 \left( e^{2\frac{y}{x\pi}} - 1 \right) \left( e^{2\frac{y}{x\pi}} + 1 \right)^{-1}$ | CDI  | CDF  | TH   | PLUS  |
| 1378 | 569 | 2 |  | CDIF | CD   | TH   | PLUS  |
| 1379 | 569 | 3 |  | CDIF | CDI  | TH   | MINUS |
| 1380 | 570 | 1 | $1 \left( e^{2\frac{\pi}{xy}} - 1 \right) \left( e^{2\frac{\pi}{xy}} + 1 \right)^{-1}$ | CDI  | CDF  | TH   | MINUS |
| 1381 | 571 | 1 | $\frac{y\pi^2}{x}$   | CDI  | CDIF | CDF  | MINUS |
| 1382 | 571 | 2 |  | CDF  | CDIF | CDI  | PLUS  |
| 1383 | 572 | 1 | $\frac{x}{y\pi^2}$   | CDI  | CDIF | CDIF | MINUS |
| 1384 | 572 | 2 |  | CDF  | CDIF | CD   | PLUS  |
| 1385 | 573 | 1 | $\sqrt{\frac{1}{xy\pi}}$   | CDI  | CDIF | W    | PLUS  |
| 1386 | 573 | 2 |  | CDIF | CD   | W    | MINUS |
| 1387 | 573 | 3 |  | CDIF | CDI  | W    | PLUS  |
| 1388 | 574 | 1 | $\sqrt{\frac{y\pi}{x}}$  | CDI  | CDIF | W    | MINUS |
| 1389 | 575 | 1 | $e^{\frac{1}{xy\pi}}$  | CDI  | CDIF | LL   | PLUS  |
| 1390 | 575 | 2 |  | CDIF | CD   | LL   | MINUS |
| 1391 | 575 | 3 |  | CDIF | CDI  | LL   | PLUS  |
| 1392 | 576 | 1 | $e^{\frac{y\pi}{x}}$   | CDI  | CDIF | LL   | MINUS |
| 1393 | 577 | 1 | $LOG\left(\frac{1}{xy\pi}\right)$  | CDI  | CDIF | L    | PLUS  |
| 1394 | 577 | 2 |  | CDIF | CD   | L    | MINUS |
| 1395 | 577 | 3 |  | CDIF | CDI  | L    | PLUS  |
| 1396 | 578 | 1 | $LOG\left(\frac{y\pi}{x}\right)$   | CDI  | CDIF | L    | MINUS |



|      |     |   |  |      |      |    |       |
|------|-----|---|--|------|------|----|-------|
| 1397 | 579 | 1 | $\arcsin\left(\frac{1}{xy\pi}\right)$  | CDI  | CDIF | S  | PLUS  |
| 1398 | 579 | 2 |  | CDIF | CD   | S  | MINUS |
| 1399 | 579 | 3 |  | CDIF | CDI  | S  | PLUS  |
| 1400 | 580 | 1 | $\arcsin\left(\frac{y\pi}{x}\right)$   | CDI  | CDIF | S  | MINUS |
| 1401 | 581 | 1 | $\arctan\left(\frac{1}{xy\pi}\right)$  | CDI  | CDIF | T  | PLUS  |
| 1402 | 581 | 2 |  | CDIF | CD   | T  | MINUS |
| 1403 | 581 | 3 |  | CDIF | CDI  | T  | PLUS  |
| 1404 | 582 | 1 | $\arctan\left(\frac{y\pi}{x}\right)$   | CDI  | CDIF | T  | MINUS |
| 1405 | 583 | 1 | $\sqrt{\frac{\pi^2 x^2 y^2 - 1}{\pi^2 x^2 y^2}}$   | CDI  | CDIF | P  | PLUS  |
| 1406 | 583 | 2 |  | CDIF | CD   | P  | MINUS |
| 1407 | 583 | 3 |  | CDIF | CDI  | P  | PLUS  |
| 1408 | 584 | 1 | $\sqrt{-\frac{y^2 \pi^2 - x^2}{x^2}}$  | CDI  | CDIF | P  | MINUS |
| 1409 | 585 | 1 | $\sqrt{\frac{\pi^2 x^2 y^2 + 1}{\pi^2 x^2 y^2}}$   | CDI  | CDIF | H  | PLUS  |
| 1410 | 585 | 2 |  | CDIF | CD   | H  | MINUS |
| 1411 | 585 | 3 |  | CDIF | CDI  | H  | PLUS  |
| 1412 | 586 | 1 | $\sqrt{\frac{y^2 \pi^2 + x^2}{x^2}}$   | CDI  | CDIF | H  | MINUS |
| 1413 | 587 | 1 | $1/2 e^{\frac{1}{xy\pi}} - 1/2 e^{-\frac{1}{xy\pi}}$                                     | CDI  | CDIF | SH | PLUS  |
| 1414 | 587 | 2 |  | CDIF | CD   | SH | MINUS |
| 1415 | 587 | 3 |  | CDIF | CDI  | SH | PLUS  |
| 1416 | 588 | 1 | $1/2 e^{\frac{y\pi}{x}} - 1/2 e^{-\frac{y\pi}{x}}$                                       | CDI  | CDIF | SH | MINUS |
| 1417 | 589 | 1 | $1/2 e^{\frac{1}{xy\pi}} + 1/2 e^{-\frac{1}{xy\pi}}$                                     | CDI  | CDIF | CH | PLUS  |
| 1418 | 589 | 2 |  | CDIF | CD   | CH | MINUS |
| 1419 | 589 | 3 |  | CDIF | CDI  | CH | PLUS  |
| 1420 | 590 | 1 | $1/2 e^{\frac{y\pi}{x}} + 1/2 e^{-\frac{y\pi}{x}}$                                       | CDI  | CDIF | CH | MINUS |
| 1421 | 591 | 1 | $1 \left( e^{2\frac{1}{xy\pi}} - 1 \right) \left( e^{2\frac{1}{xy\pi}} + 1 \right)^{-1}$ | CDI  | CDIF | TH | PLUS  |
| 1422 | 591 | 2 |  | CDIF | CD   | TH | MINUS |
| 1423 | 591 | 3 |  | CDIF | CDI  | TH | PLUS  |
| 1424 | 592 | 1 | $1 \left( e^{2\frac{y\pi}{x}} - 1 \right) \left( e^{2\frac{y\pi}{x}} + 1 \right)^{-1}$   | CDI  | CDIF | TH | MINUS |

|      |     |   |  |     |     |      |       |
|------|-----|---|--|-----|-----|------|-------|
| 1425 | 593 | 1 | $\frac{\sqrt{y}\pi}{x}$                  | CDI | AB  | CDF  | PLUS  |
| 1426 | 593 | 2 |  | CDI | ABI | CDF  | MINUS |
| 1427 | 593 | 3 |  | CDF | AB  | CDI  | MINUS |
| 1428 | 593 | 4 |  | CDF | ABI | CDI  | PLUS  |
| 1429 | 594 | 1 | $\frac{\pi}{x\sqrt{y}}$                  | CDI | AB  | CDF  | MINUS |
| 1430 | 594 | 2 |  | CDI | ABI | CDF  | PLUS  |
| 1431 | 594 | 3 |  | CDF | AB  | CDI  | PLUS  |
| 1432 | 594 | 4 |  | CDF | ABI | CDI  | MINUS |
| 1433 | 595 | 1 | $\frac{x}{\sqrt{y}\pi}$                  | CDI | AB  | CDIF | PLUS  |
| 1434 | 595 | 2 |  | CDI | ABI | CDIF | MINUS |
| 1435 | 595 | 3 |  | CDF | AB  | CD   | MINUS |
| 1436 | 595 | 4 |  | CDF | ABI | CD   | PLUS  |
| 1437 | 596 | 1 | $\frac{x\sqrt{y}}{\pi}$                  | CDI | AB  | CDIF | MINUS |
| 1438 | 596 | 2 |  | CDI | ABI | CDIF | PLUS  |
| 1439 | 596 | 3 |  | CDF | AB  | CD   | PLUS  |
| 1440 | 596 | 4 |  | CDF | ABI | CD   | MINUS |
| 1441 | 597 | 1 | $\sqrt{\frac{\sqrt{y}}{x}}$              | CDI | AB  | W    | PLUS  |
| 1442 | 597 | 2 |  | CDI | ABI | W    | MINUS |
| 1443 | 598 | 1 | $\sqrt{\frac{1}{x\sqrt{y}}}$             | CDI | AB  | W    | MINUS |
| 1444 | 598 | 2 |  | CDI | ABI | W    | PLUS  |
| 1445 | 599 | 1 | $e^{\frac{\sqrt{y}}{x}}$                 | CDI | AB  | LL   | PLUS  |
| 1446 | 599 | 2 |  | CDI | ABI | LL   | MINUS |
| 1447 | 600 | 1 | $e^{\frac{1}{x\sqrt{y}}}$                | CDI | AB  | LL   | MINUS |
| 1448 | 600 | 2 |  | CDI | ABI | LL   | PLUS  |
| 1449 | 601 | 1 | $LOG\left(\frac{\sqrt{y}}{x}\right)$     | CDI | AB  | L    | PLUS  |
| 1450 | 601 | 2 |  | CDI | ABI | L    | MINUS |
| 1451 | 602 | 1 | $LOG\left(\frac{1}{x\sqrt{y}}\right)$    | CDI | AB  | L    | MINUS |
| 1452 | 602 | 2 |  | CDI | ABI | L    | PLUS  |
| 1453 | 603 | 1 | $\arcsin\left(\frac{\sqrt{y}}{x}\right)$ | CDI | AB  | S    | PLUS  |
| 1454 | 603 | 2 |  | CDI | ABI | S    | MINUS |

|      |     |   |  |     |     |     |       |
|------|-----|---|--|-----|-----|-----|-------|
| 1455 | 604 | 1 | $\arcsin\left(\frac{1}{x\sqrt{y}}\right)$  | CDI | AB  | S   | MINUS |
| 1456 | 604 | 2 |  | CDI | ABI | S   | PLUS  |
| 1457 | 605 | 1 | $\arctan\left(\frac{\sqrt{y}}{x}\right)$   | CDI | AB  | T   | PLUS  |
| 1458 | 605 | 2 |  | CDI | ABI | T   | MINUS |
| 1459 | 606 | 1 | $\arctan\left(\frac{1}{x\sqrt{y}}\right)$  | CDI | AB  | T   | MINUS |
| 1460 | 606 | 2 |  | CDI | ABI | T   | PLUS  |
| 1461 | 607 | 1 | $\sqrt{\frac{x^2-y}{x^2}}$   | CDI | AB  | P   | PLUS  |
| 1462 | 607 | 2 |  | CDI | ABI | P   | MINUS |
| 1463 | 608 | 1 | $\sqrt{\frac{x^2y-1}{x^2y}}$   | CDI | AB  | P   | MINUS |
| 1464 | 608 | 2 |  | CDI | ABI | P   | PLUS  |
| 1465 | 609 | 1 | $\sqrt{\frac{x^2+y}{x^2}}$   | CDI | AB  | H   | PLUS  |
| 1466 | 609 | 2 |  | CDI | ABI | H   | MINUS |
| 1467 | 610 | 1 | $\sqrt{\frac{x^2y+1}{x^2y}}$   | CDI | AB  | H   | MINUS |
| 1468 | 610 | 2 |  | CDI | ABI | H   | PLUS  |
| 1469 | 611 | 1 | $1/2 e^{\frac{\sqrt{y}}{x}} - 1/2 e^{-\frac{\sqrt{y}}{x}}$                                       | CDI | AB  | SH  | PLUS  |
| 1470 | 611 | 2 |  | CDI | ABI | SH  | MINUS |
| 1471 | 612 | 1 | $1/2 e^{\frac{1}{x\sqrt{y}}} - 1/2 e^{-\frac{1}{x\sqrt{y}}}$                                     | CDI | AB  | SH  | MINUS |
| 1472 | 612 | 2 |  | CDI | ABI | SH  | PLUS  |
| 1473 | 613 | 1 | $1/2 e^{\frac{\sqrt{y}}{x}} + 1/2 e^{-\frac{\sqrt{y}}{x}}$                                       | CDI | AB  | CH  | PLUS  |
| 1474 | 613 | 2 |  | CDI | ABI | CH  | MINUS |
| 1475 | 614 | 1 | $1/2 e^{\frac{1}{x\sqrt{y}}} + 1/2 e^{-\frac{1}{x\sqrt{y}}}$                                     | CDI | AB  | CH  | MINUS |
| 1476 | 614 | 2 |  | CDI | ABI | CH  | PLUS  |
| 1477 | 615 | 1 | $1 \left( e^{2\frac{\sqrt{y}}{x}} - 1 \right) \left( e^{2\frac{\sqrt{y}}{x}} + 1 \right)^{-1}$   | CDI | AB  | TH  | PLUS  |
| 1478 | 615 | 2 |  | CDI | ABI | TH  | MINUS |
| 1479 | 616 | 1 | $1 \left( e^{2\frac{1}{x\sqrt{y}}} - 1 \right) \left( e^{2\frac{1}{x\sqrt{y}}} + 1 \right)^{-1}$ | CDI | AB  | TH  | MINUS |
| 1480 | 616 | 2 |  | CDI | ABI | TH  | PLUS  |
| 1481 | 617 | 1 | $\frac{y^2\pi}{x}$   | CDI | W   | CDF | PLUS  |

|      |     |   |                                      |     |   |      |       |
|------|-----|---|--------------------------------------|-----|---|------|-------|
| 1482 | 617 | 2 |                                      | CDF | W | CDI  | MINUS |
| 1483 | 618 | 1 | $\frac{\pi}{xy^2}$                   | CDI | W | CDF  | MINUS |
| 1484 | 618 | 2 |                                      | CDF | W | CDI  | PLUS  |
| 1485 | 619 | 1 | $\frac{x}{y^2\pi}$                   | CDI | W | CDIF | PLUS  |
| 1486 | 619 | 2 |                                      | CDF | W | CD   | MINUS |
| 1487 | 620 | 1 | $\frac{xy^2}{\pi}$                   | CDI | W | CDIF | MINUS |
| 1488 | 620 | 2 |                                      | CDF | W | CD   | PLUS  |
| 1489 | 621 | 1 | $\sqrt{\frac{y^2}{x}}$               | CDI | W | W    | PLUS  |
| 1490 | 622 | 1 | $\sqrt{\frac{1}{xy^2}}$              | CDI | W | W    | MINUS |
| 1491 | 623 | 1 | $e^{\frac{y^2}{x}}$                  | CDI | W | LL   | PLUS  |
| 1492 | 624 | 1 | $e^{\frac{1}{xy^2}}$                 | CDI | W | LL   | MINUS |
| 1493 | 625 | 1 | $LOG\left(\frac{y^2}{x}\right)$      | CDI | W | L    | PLUS  |
| 1494 | 626 | 1 | $LOG\left(\frac{1}{xy^2}\right)$     | CDI | W | L    | MINUS |
| 1495 | 627 | 1 | $\arcsin\left(\frac{y^2}{x}\right)$  | CDI | W | S    | PLUS  |
| 1496 | 628 | 1 | $\arcsin\left(\frac{1}{xy^2}\right)$ | CDI | W | S    | MINUS |
| 1497 | 629 | 1 | $\arctan\left(\frac{y^2}{x}\right)$  | CDI | W | T    | PLUS  |
| 1498 | 630 | 1 | $\arctan\left(\frac{1}{xy^2}\right)$ | CDI | W | T    | MINUS |
| 1499 | 631 | 1 | $\sqrt{\frac{-y^4+x^2}{x^2}}$        | CDI | W | P    | PLUS  |
| 1500 | 632 | 1 | $\sqrt{\frac{x^2y^4-1}{x^2y^4}}$     | CDI | W | P    | MINUS |
| 1501 | 633 | 1 | $\sqrt{\frac{y^4+x^2}{x^2}}$         | CDI | W | H    | PLUS  |
| 1502 | 634 | 1 | $\sqrt{\frac{x^2y^4+1}{x^2y^4}}$     | CDI | W | H    | MINUS |

|      |     |   |  |     |    |      |       |
|------|-----|---|--|-----|----|------|-------|
| 1503 | 635 | 1 | $1/2 e^{\frac{y^2}{x}} - 1/2 e^{-\frac{y^2}{x}}$                                     | CDI | W  | SH   | PLUS  |
| 1504 | 636 | 1 | $1/2 e^{\frac{1}{xy^2}} - 1/2 e^{-\frac{1}{xy^2}}$                                   | CDI | W  | SH   | MINUS |
| 1505 | 637 | 1 | $1/2 e^{\frac{y^2}{x}} + 1/2 e^{-\frac{y^2}{x}}$                                     | CDI | W  | CH   | PLUS  |
| 1506 | 638 | 1 | $1/2 e^{\frac{1}{xy^2}} + 1/2 e^{-\frac{1}{xy^2}}$                                   | CDI | W  | CH   | MINUS |
| 1507 | 639 | 1 | $1 \left( e^2 \frac{y^2}{x} - 1 \right) \left( e^2 \frac{y^2}{x} + 1 \right)^{-1}$   | CDI | W  | TH   | PLUS  |
| 1508 | 640 | 1 | $1 \left( e^2 \frac{1}{xy^2} - 1 \right) \left( e^2 \frac{1}{xy^2} + 1 \right)^{-1}$ | CDI | W  | TH   | MINUS |
| 1509 | 641 | 1 | $\frac{\sqrt[3]{y}\pi}{x}$   | CDI | K  | CDF  | PLUS  |
| 1510 | 641 | 2 |  | CDI | KI | CDF  | MINUS |
| 1511 | 641 | 3 |  | CDF | K  | CDI  | MINUS |
| 1512 | 641 | 4 |  | CDF | KI | CDI  | PLUS  |
| 1513 | 642 | 1 | $\frac{\pi}{x \sqrt[3]{y}}$  | CDI | K  | CDF  | MINUS |
| 1514 | 642 | 2 |  | CDI | KI | CDF  | PLUS  |
| 1515 | 642 | 3 |  | CDF | K  | CDI  | PLUS  |
| 1516 | 642 | 4 |  | CDF | KI | CDI  | MINUS |
| 1517 | 643 | 1 | $\frac{x}{\sqrt[3]{y}\pi}$   | CDI | K  | CDIF | PLUS  |
| 1518 | 643 | 2 |  | CDI | KI | CDIF | MINUS |
| 1519 | 643 | 3 |  | CDF | K  | CD   | MINUS |
| 1520 | 643 | 4 |  | CDF | KI | CD   | PLUS  |
| 1521 | 644 | 1 | $\frac{x \sqrt[3]{y}}{\pi}$  | CDI | K  | CDIF | MINUS |
| 1522 | 644 | 2 |  | CDI | KI | CDIF | PLUS  |
| 1523 | 644 | 3 |  | CDF | K  | CD   | PLUS  |
| 1524 | 644 | 4 |  | CDF | KI | CD   | MINUS |
| 1525 | 645 | 1 | $\sqrt{\frac{\sqrt[3]{y}}{x}}$   | CDI | K  | W    | PLUS  |
| 1526 | 645 | 2 |  | CDI | KI | W    | MINUS |
| 1527 | 646 | 1 | $\sqrt{\frac{1}{x \sqrt[3]{y}}}$   | CDI | K  | W    | MINUS |
| 1528 | 646 | 2 |  | CDI | KI | W    | PLUS  |
| 1529 | 647 | 1 | $e^{\frac{\sqrt[3]{y}}{x}}$  | CDI | K  | LL   | PLUS  |
| 1530 | 647 | 2 |  | CDI | KI | LL   | MINUS |

|      |     |   |  |     |    |    |       |
|------|-----|---|--|-----|----|----|-------|
| 1531 | 648 | 1 | $e^{x \frac{1}{\sqrt[3]{y}}}$  | CDI | K  | LL | MINUS |
| 1532 | 648 | 2 |  | CDI | KI | LL | PLUS  |
| 1533 | 649 | 1 | $LOG\left(\frac{\sqrt[3]{y}}{x}\right)$                              | CDI | K  | L  | PLUS  |
| 1534 | 649 | 2 |  | CDI | KI | L  | MINUS |
| 1535 | 650 | 1 | $LOG\left(\frac{1}{x \sqrt[3]{y}}\right)$                            | CDI | K  | L  | MINUS |
| 1536 | 650 | 2 |  | CDI | KI | L  | PLUS  |
| 1537 | 651 | 1 | $\arcsin\left(\frac{\sqrt[3]{y}}{x}\right)$                          | CDI | K  | S  | PLUS  |
| 1538 | 651 | 2 |  | CDI | KI | S  | MINUS |
| 1539 | 652 | 1 | $\arcsin\left(\frac{1}{x \sqrt[3]{y}}\right)$                        | CDI | K  | S  | MINUS |
| 1540 | 652 | 2 |  | CDI | KI | S  | PLUS  |
| 1541 | 653 | 1 | $\arctan\left(\frac{\sqrt[3]{y}}{x}\right)$                          | CDI | K  | T  | PLUS  |
| 1542 | 653 | 2 |  | CDI | KI | T  | MINUS |
| 1543 | 654 | 1 | $\arctan\left(\frac{1}{x \sqrt[3]{y}}\right)$                        | CDI | K  | T  | MINUS |
| 1544 | 654 | 2 |  | CDI | KI | T  | PLUS  |
| 1545 | 655 | 1 | $\sqrt{-\frac{y^{2/3}-x^2}{x^2}}$                                    | CDI | K  | P  | PLUS  |
| 1546 | 655 | 2 |  | CDI | KI | P  | MINUS |
| 1547 | 656 | 1 | $\sqrt{\frac{x^2 y^{2/3}-1}{x^2 y^{2/3}}}$                           | CDI | K  | P  | MINUS |
| 1548 | 656 | 2 |  | CDI | KI | P  | PLUS  |
| 1549 | 657 | 1 | $\sqrt{\frac{y^{2/3}+x^2}{x^2}}$                                     | CDI | K  | H  | PLUS  |
| 1550 | 657 | 2 |  | CDI | KI | H  | MINUS |
| 1551 | 658 | 1 | $\sqrt{\frac{x^2 y^{2/3}+1}{x^2 y^{2/3}}}$                           | CDI | K  | H  | MINUS |
| 1552 | 658 | 2 |  | CDI | KI | H  | PLUS  |
| 1553 | 659 | 1 | $1/2 e^{\frac{\sqrt[3]{y}}{x}} - 1/2 e^{-\frac{\sqrt[3]{y}}{x}}$     | CDI | K  | SH | PLUS  |
| 1554 | 659 | 2 |  | CDI | KI | SH | MINUS |
| 1555 | 660 | 1 | $1/2 e^{\frac{1}{x \sqrt[3]{y}}} - 1/2 e^{-\frac{1}{x \sqrt[3]{y}}}$ | CDI | K  | SH | MINUS |
| 1556 | 660 | 2 |  | CDI | KI | SH | PLUS  |

|      |     |   |  |     |    |      |       |
|------|-----|---|--|-----|----|------|-------|
| 1557 | 661 | 1 | $1/2 e^{\frac{\sqrt[3]{y}}{x}} + 1/2 e^{-\frac{\sqrt[3]{y}}{x}}$   | CDI | K  | CH   | PLUS  |
| 1558 | 661 | 2 |  | CDI | KI | CH   | MINUS |
| 1559 | 662 | 1 | $1/2 e^{x \frac{1}{\sqrt[3]{y}}} + 1/2 e^{-x \frac{1}{\sqrt[3]{y}}}$                                       | CDI | K  | CH   | MINUS |
| 1560 | 662 | 2 |  | CDI | KI | CH   | PLUS  |
| 1561 | 663 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{y}}{x}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{y}}{x}} + 1 \right)^{-1}$     | CDI | K  | TH   | PLUS  |
| 1562 | 663 | 2 |  | CDI | KI | TH   | MINUS |
| 1563 | 664 | 1 | $1 \left( e^{2 \frac{1}{x \sqrt[3]{y}}} - 1 \right) \left( e^{2 \frac{1}{x \sqrt[3]{y}}} + 1 \right)^{-1}$ | CDI | K  | TH   | MINUS |
| 1564 | 664 | 2 |  | CDI | KI | TH   | PLUS  |
| 1565 | 665 | 1 | $\frac{\ln(y)\pi}{x}$  | CDI | LL | CDF  | PLUS  |
| 1566 | 665 | 2 |  | CDF | LL | CDI  | MINUS |
| 1567 | 666 | 1 | $\frac{\pi}{x \ln(y)}$   | CDI | LL | CDF  | MINUS |
| 1568 | 666 | 2 |  | CDF | LL | CDI  | PLUS  |
| 1569 | 667 | 1 | $\frac{x}{\ln(y)\pi}$  | CDI | LL | CDIF | PLUS  |
| 1570 | 667 | 2 |  | CDF | LL | CD   | MINUS |
| 1571 | 668 | 1 | $\frac{x \ln(y)}{\pi}$   | CDI | LL | CDIF | MINUS |
| 1572 | 668 | 2 |  | CDF | LL | CD   | PLUS  |
| 1573 | 669 | 1 | $\sqrt{\frac{\ln(y)}{x}}$  | CDI | LL | W    | PLUS  |
| 1574 | 670 | 1 | $\sqrt{\frac{1}{x \ln(y)}}$  | CDI | LL | W    | MINUS |
| 1575 | 671 | 1 | $\sqrt[x]{y}$  | CDI | LL | LL   | PLUS  |
| 1576 | 672 | 1 | $e^{\frac{1}{x \ln(y)}}$   | CDI | LL | LL   | MINUS |
| 1577 | 673 | 1 | $LOG \left( \frac{\ln(y)}{x} \right)$  | CDI | LL | L    | PLUS  |
| 1578 | 674 | 1 | $LOG \left( \frac{1}{x \ln(y)} \right)$  | CDI | LL | L    | MINUS |
| 1579 | 675 | 1 | $\arcsin \left( \frac{\ln(y)}{x} \right)$  | CDI | LL | S    | PLUS  |
| 1580 | 676 | 1 | $\arcsin \left( \frac{1}{x \ln(y)} \right)$  | CDI | LL | S    | MINUS |

|      |     |   |  |     |    |      |       |
|------|-----|---|--|-----|----|------|-------|
| 1581 | 677 | 1 | $\arctan\left(\frac{\ln(y)}{x}\right)$   | CDI | LL | T    | PLUS  |
| 1582 | 678 | 1 | $\arctan\left(\frac{1}{x \ln(y)}\right)$   | CDI | LL | T    | MINUS |
| 1583 | 679 | 1 | $\sqrt{-\frac{(\ln(y))^2 - x^2}{x^2}}$   | CDI | LL | P    | PLUS  |
| 1584 | 680 | 1 | $\sqrt{\frac{x^2(\ln(y))^2 - 1}{x^2(\ln(y))^2}}$   | CDI | LL | P    | MINUS |
| 1585 | 681 | 1 | $\sqrt{\frac{(\ln(y))^2 + x^2}{x^2}}$  | CDI | LL | H    | PLUS  |
| 1586 | 682 | 1 | $\sqrt{\frac{x^2(\ln(y))^2 + 1}{x^2(\ln(y))^2}}$   | CDI | LL | H    | MINUS |
| 1587 | 683 | 1 | $1/2 \sqrt[3]{y} - 1/2 y^{-x^{-1}}$  | CDI | LL | SH   | PLUS  |
| 1588 | 684 | 1 | $1/2 e^{\frac{1}{x \ln(y)}} - 1/2 e^{-\frac{1}{x \ln(y)}}$                                       | CDI | LL | SH   | MINUS |
| 1589 | 685 | 1 | $1/2 \sqrt[3]{y} + 1/2 y^{-x^{-1}}$  | CDI | LL | CH   | PLUS  |
| 1590 | 686 | 1 | $1/2 e^{\frac{1}{x \ln(y)}} + 1/2 e^{-\frac{1}{x \ln(y)}}$                                       | CDI | LL | CH   | MINUS |
| 1591 | 687 | 1 | $1 \left( y^2 x^{-1} - 1 \right) \left( y^2 x^{-1} + 1 \right)^{-1}$                             | CDI | LL | TH   | PLUS  |
| 1592 | 688 | 1 | $1 \left( e^{2 \frac{1}{x \ln(y)}} - 1 \right) \left( e^{2 \frac{1}{x \ln(y)}} + 1 \right)^{-1}$ | CDI | LL | TH   | MINUS |
| 1593 | 689 | 1 | $\frac{EXP(y)\pi}{x}$  | CDI | L  | CDF  | PLUS  |
| 1594 | 689 | 2 |  | CDF | L  | CDI  | MINUS |
| 1595 | 690 | 1 | $\frac{\pi}{x EXP(y)}$   | CDI | L  | CDF  | MINUS |
| 1596 | 690 | 2 |  | CDF | L  | CDI  | PLUS  |
| 1597 | 691 | 1 | $\frac{x}{EXP(y)\pi}$  | CDI | L  | CDIF | PLUS  |
| 1598 | 691 | 2 |  | CDF | L  | CD   | MINUS |
| 1599 | 692 | 1 | $\frac{x EXP(y)}{\pi}$   | CDI | L  | CDIF | MINUS |
| 1600 | 692 | 2 |  | CDF | L  | CD   | PLUS  |
| 1601 | 693 | 1 | $\sqrt{\frac{EXP(y)}{x}}$  | CDI | L  | W    | PLUS  |



|      |     |   |  |     |   |    |       |
|------|-----|---|--|-----|---|----|-------|
| 1602 | 694 | 1 | $\sqrt{\frac{1}{xEXP(y)}}$   | CDI | L | W  | MINUS |
| 1603 | 695 | 1 | $e^{\frac{EXP(y)}{x}}$   | CDI | L | LL | PLUS  |
| 1604 | 696 | 1 | $e^{\frac{1}{xEXP(y)}}$  | CDI | L | LL | MINUS |
| 1605 | 697 | 1 | $LOG\left(\frac{EXP(y)}{x}\right)$   | CDI | L | L  | PLUS  |
| 1606 | 698 | 1 | $LOG\left(\frac{1}{xEXP(y)}\right)$  | CDI | L | L  | MINUS |
| 1607 | 699 | 1 | $\arcsin\left(\frac{EXP(y)}{x}\right)$   | CDI | L | S  | PLUS  |
| 1608 | 700 | 1 | $\arcsin\left(\frac{1}{xEXP(y)}\right)$  | CDI | L | S  | MINUS |
| 1609 | 701 | 1 | $\arctan\left(\frac{EXP(y)}{x}\right)$   | CDI | L | T  | PLUS  |
| 1610 | 702 | 1 | $\arctan\left(\frac{1}{xEXP(y)}\right)$  | CDI | L | T  | MINUS |
| 1611 | 703 | 1 | $\sqrt{-\frac{(EXP(y))^2-x^2}{x^2}}$   | CDI | L | P  | PLUS  |
| 1612 | 704 | 1 | $\sqrt{\frac{x^2(EXP(y))^2-1}{x^2(EXP(y))^2}}$                                       | CDI | L | P  | MINUS |
| 1613 | 705 | 1 | $\sqrt{\frac{(EXP(y))^2+x^2}{x^2}}$  | CDI | L | H  | PLUS  |
| 1614 | 706 | 1 | $\sqrt{\frac{x^2(EXP(y))^2+1}{x^2(EXP(y))^2}}$                                       | CDI | L | H  | MINUS |
| 1615 | 707 | 1 | $1/2 e^{\frac{EXP(y)}{x}} - 1/2 e^{-\frac{EXP(y)}{x}}$                               | CDI | L | SH | PLUS  |
| 1616 | 708 | 1 | $1/2 e^{\frac{1}{xEXP(y)}} - 1/2 e^{-\frac{1}{xEXP(y)}}$                             | CDI | L | SH | MINUS |
| 1617 | 709 | 1 | $1/2 e^{\frac{EXP(y)}{x}} + 1/2 e^{-\frac{EXP(y)}{x}}$                               | CDI | L | CH | PLUS  |
| 1618 | 710 | 1 | $1/2 e^{\frac{1}{xEXP(y)}} + 1/2 e^{-\frac{1}{xEXP(y)}}$                             | CDI | L | CH | MINUS |
| 1619 | 711 | 1 | $1\left(e^2 \frac{EXP(y)}{x} - 1\right)\left(e^2 \frac{EXP(y)}{x} + 1\right)^{-1}$   | CDI | L | TH | PLUS  |
| 1620 | 712 | 1 | $1\left(e^2 \frac{1}{xEXP(y)} - 1\right)\left(e^2 \frac{1}{xEXP(y)} + 1\right)^{-1}$ | CDI | L | TH | MINUS |

|      |     |   |  |     |   |      |       |
|------|-----|---|--|-----|---|------|-------|
| 1621 | 713 | 1 | $\frac{\sin(y)\pi}{x}$                             | CDI | S | CDF  | PLUS  |
| 1622 | 713 | 2 |  | CDF | S | CDI  | MINUS |
| 1623 | 714 | 1 | $\frac{\pi}{x \sin(y)}$                            | CDI | S | CDF  | MINUS |
| 1624 | 714 | 2 |  | CDF | S | CDI  | PLUS  |
| 1625 | 715 | 1 | $\frac{x}{\sin(y)\pi}$                             | CDI | S | CDIF | PLUS  |
| 1626 | 715 | 2 |  | CDF | S | CD   | MINUS |
| 1627 | 716 | 1 | $\frac{x \sin(y)}{\pi}$                            | CDI | S | CDIF | MINUS |
| 1628 | 716 | 2 |  | CDF | S | CD   | PLUS  |
| 1629 | 717 | 1 | $\sqrt{\frac{\sin(y)}{x}}$                         | CDI | S | W    | PLUS  |
| 1630 | 718 | 1 | $\sqrt{\frac{1}{x \sin(y)}}$                       | CDI | S | W    | MINUS |
| 1631 | 719 | 1 | $e^{\frac{\sin(y)}{x}}$                            | CDI | S | LL   | PLUS  |
| 1632 | 720 | 1 | $e^{\frac{1}{x \sin(y)}}$                          | CDI | S | LL   | MINUS |
| 1633 | 721 | 1 | $LOG\left(\frac{\sin(y)}{x}\right)$                | CDI | S | L    | PLUS  |
| 1634 | 722 | 1 | $LOG\left(\frac{1}{x \sin(y)}\right)$              | CDI | S | L    | MINUS |
| 1635 | 723 | 1 | $\arcsin\left(\frac{\sin(y)}{x}\right)$            | CDI | S | S    | PLUS  |
| 1636 | 724 | 1 | $\arcsin\left(\frac{1}{x \sin(y)}\right)$          | CDI | S | S    | MINUS |
| 1637 | 725 | 1 | $\arctan\left(\frac{\sin(y)}{x}\right)$            | CDI | S | T    | PLUS  |
| 1638 | 726 | 1 | $\arctan\left(\frac{1}{x \sin(y)}\right)$          | CDI | S | T    | MINUS |
| 1639 | 727 | 1 | $\sqrt{\frac{(\cos(y))^2 + x^2 - 1}{x^2}}$         | CDI | S | P    | PLUS  |
| 1640 | 728 | 1 | $\sqrt{\frac{x^2(\sin(y))^2 - 1}{x^2(\sin(y))^2}}$ | CDI | S | P    | MINUS |
| 1641 | 729 | 1 | $\sqrt{-\frac{(\cos(y))^2 - x^2 - 1}{x^2}}$        | CDI | S | H    | PLUS  |

|      |     |   |  |     |   |      |       |
|------|-----|---|--|-----|---|------|-------|
| 1642 | 730 | 1 | $\sqrt{\frac{x^2(\sin(y))^2+1}{x^2(\sin(y))^2}}$   | CDI | S | H    | MINUS |
| 1643 | 731 | 1 | $1/2 e^{\frac{\sin(y)}{x}} - 1/2 e^{-\frac{\sin(y)}{x}}$   | CDI | S | SH   | PLUS  |
| 1644 | 732 | 1 | $1/2 e^{\frac{1}{x \sin(y)}} - 1/2 e^{-\frac{1}{x \sin(y)}}$                                       | CDI | S | SH   | MINUS |
| 1645 | 733 | 1 | $1/2 e^{\frac{\sin(y)}{x}} + 1/2 e^{-\frac{\sin(y)}{x}}$   | CDI | S | CH   | PLUS  |
| 1646 | 734 | 1 | $1/2 e^{\frac{1}{x \sin(y)}} + 1/2 e^{-\frac{1}{x \sin(y)}}$                                       | CDI | S | CH   | MINUS |
| 1647 | 735 | 1 | $1 \left( e^{2 \frac{\sin(y)}{x}} - 1 \right) \left( e^{2 \frac{\sin(y)}{x}} + 1 \right)^{-1}$     | CDI | S | TH   | PLUS  |
| 1648 | 736 | 1 | $1 \left( e^{2 \frac{1}{x \sin(y)}} - 1 \right) \left( e^{2 \frac{1}{x \sin(y)}} + 1 \right)^{-1}$ | CDI | S | TH   | MINUS |
| 1649 | 737 | 1 | $\frac{\tan(y)\pi}{x}$   | CDI | T | CDF  | PLUS  |
| 1650 | 737 | 2 |  | CDF | T | CDI  | MINUS |
| 1651 | 738 | 1 | $\frac{\pi}{x \tan(y)}$  | CDI | T | CDF  | MINUS |
| 1652 | 738 | 2 |  | CDF | T | CDI  | PLUS  |
| 1653 | 739 | 1 | $\frac{x}{\tan(y)\pi}$   | CDI | T | CDIF | PLUS  |
| 1654 | 739 | 2 |  | CDF | T | CD   | MINUS |
| 1655 | 740 | 1 | $\frac{x \tan(y)}{\pi}$  | CDI | T | CDIF | MINUS |
| 1656 | 740 | 2 |  | CDF | T | CD   | PLUS  |
| 1657 | 741 | 1 | $\sqrt{\frac{\tan(y)}{x}}$   | CDI | T | W    | PLUS  |
| 1658 | 742 | 1 | $\sqrt{\frac{1}{x \tan(y)}}$   | CDI | T | W    | MINUS |
| 1659 | 743 | 1 | $e^{\frac{\tan(y)}{x}}$  | CDI | T | LL   | PLUS  |
| 1660 | 744 | 1 | $e^{\frac{1}{x \tan(y)}}$  | CDI | T | LL   | MINUS |
| 1661 | 745 | 1 | $LOG \left( \frac{\tan(y)}{x} \right)$   | CDI | T | L    | PLUS  |
| 1662 | 746 | 1 | $LOG \left( \frac{1}{x \tan(y)} \right)$   | CDI | T | L    | MINUS |
| 1663 | 747 | 1 | $\arcsin \left( \frac{\tan(y)}{x} \right)$   | CDI | T | S    | PLUS  |

|      |     |   |  |     |   |      |       |
|------|-----|---|--|-----|---|------|-------|
| 1664 | 748 | 1 | $\arcsin\left(\frac{1}{x \tan(y)}\right)$  | CDI | T | S    | MINUS |
| 1665 | 749 | 1 | $\arctan\left(\frac{\tan(y)}{x}\right)$  | CDI | T | T    | PLUS  |
| 1666 | 750 | 1 | $\arctan\left(\frac{1}{x \tan(y)}\right)$  | CDI | T | T    | MINUS |
| 1667 | 751 | 1 | $\sqrt{\frac{(\cos(y))^2 x^2 + (\cos(y))^2 - 1}{(\cos(y))^2 x^2}}$                                 | CDI | T | P    | PLUS  |
| 1668 | 752 | 1 | $\sqrt{\frac{x^2 (\tan(y))^2 - 1}{x^2 (\tan(y))^2}}$   | CDI | T | P    | MINUS |
| 1669 | 753 | 1 | $\sqrt{\frac{(\cos(y))^2 x^2 - (\cos(y))^2 + 1}{(\cos(y))^2 x^2}}$                                 | CDI | T | H    | PLUS  |
| 1670 | 754 | 1 | $\sqrt{\frac{x^2 (\tan(y))^2 + 1}{x^2 (\tan(y))^2}}$   | CDI | T | H    | MINUS |
| 1671 | 755 | 1 | $1/2 e^{\frac{\tan(y)}{x}} - 1/2 e^{-\frac{\tan(y)}{x}}$   | CDI | T | SH   | PLUS  |
| 1672 | 756 | 1 | $1/2 e^{\frac{1}{x \tan(y)}} - 1/2 e^{-\frac{1}{x \tan(y)}}$                                       | CDI | T | SH   | MINUS |
| 1673 | 757 | 1 | $1/2 e^{\frac{\tan(y)}{x}} + 1/2 e^{-\frac{\tan(y)}{x}}$   | CDI | T | CH   | PLUS  |
| 1674 | 758 | 1 | $1/2 e^{\frac{1}{x \tan(y)}} + 1/2 e^{-\frac{1}{x \tan(y)}}$                                       | CDI | T | CH   | MINUS |
| 1675 | 759 | 1 | $1 \left( e^{2 \frac{\tan(y)}{x}} - 1 \right) \left( e^{2 \frac{\tan(y)}{x}} + 1 \right)^{-1}$     | CDI | T | TH   | PLUS  |
| 1676 | 760 | 1 | $1 \left( e^{2 \frac{1}{x \tan(y)}} - 1 \right) \left( e^{2 \frac{1}{x \tan(y)}} + 1 \right)^{-1}$ | CDI | T | TH   | MINUS |
| 1677 | 761 | 1 | $\frac{\sqrt{-y^2+1}\pi}{x}$   | CDI | P | CDF  | PLUS  |
| 1678 | 761 | 2 |  | CDF | P | CDI  | MINUS |
| 1679 | 762 | 1 | $\frac{\pi}{x \sqrt{-y^2+1}}$  | CDI | P | CDF  | MINUS |
| 1680 | 762 | 2 |  | CDF | P | CDI  | PLUS  |
| 1681 | 763 | 1 | $\frac{x}{\sqrt{-y^2+1}\pi}$   | CDI | P | CDIF | PLUS  |
| 1682 | 763 | 2 |  | CDF | P | CD   | MINUS |
| 1683 | 764 | 1 | $\frac{x \sqrt{-y^2+1}}{\pi}$  | CDI | P | CDIF | MINUS |
| 1684 | 764 | 2 |  | CDF | P | CD   | PLUS  |

|      |     |   |  |     |   |    |       |
|------|-----|---|--|-----|---|----|-------|
| 1685 | 765 | 1 | $\sqrt{\frac{\sqrt{-y^2+1}}{x}}$                                     | CDI | P | W  | PLUS  |
| 1686 | 766 | 1 | $\sqrt{\frac{1}{x\sqrt{-y^2+1}}}$                                    | CDI | P | W  | MINUS |
| 1687 | 767 | 1 | $e^{\frac{\sqrt{-y^2+1}}{x}}$  | CDI | P | LL | PLUS  |
| 1688 | 768 | 1 | $e^{\frac{1}{x\sqrt{-y^2+1}}}$                                       | CDI | P | LL | MINUS |
| 1689 | 769 | 1 | $LOG\left(\frac{\sqrt{-y^2+1}}{x}\right)$                            | CDI | P | L  | PLUS  |
| 1690 | 770 | 1 | $LOG\left(\frac{1}{x\sqrt{-y^2+1}}\right)$                           | CDI | P | L  | MINUS |
| 1691 | 771 | 1 | $\arcsin\left(\frac{\sqrt{-y^2+1}}{x}\right)$                        | CDI | P | S  | PLUS  |
| 1692 | 772 | 1 | $\arcsin\left(\frac{1}{x\sqrt{-y^2+1}}\right)$                       | CDI | P | S  | MINUS |
| 1693 | 773 | 1 | $\arctan\left(\frac{\sqrt{-y^2+1}}{x}\right)$                        | CDI | P | T  | PLUS  |
| 1694 | 774 | 1 | $\arctan\left(\frac{1}{x\sqrt{-y^2+1}}\right)$                       | CDI | P | T  | MINUS |
| 1695 | 775 | 1 | $\sqrt{\frac{x^2+y^2-1}{x^2}}$                                       | CDI | P | P  | PLUS  |
| 1696 | 775 | 2 |  | CDI | H | H  | PLUS  |
| 1697 | 776 | 1 | $\sqrt{\frac{x^2y^2-x^2+1}{x^2(y^2-1)}}$                             | CDI | P | P  | MINUS |
| 1698 | 776 | 2 |  | CDI | H | H  | MINUS |
| 1699 | 777 | 1 | $\sqrt{\frac{x^2-y^2+1}{x^2}}$                                       | CDI | P | H  | PLUS  |
| 1700 | 777 | 2 |  | CDI | H | P  | PLUS  |
| 1701 | 778 | 1 | $\sqrt{\frac{x^2y^2-x^2-1}{x^2(y^2-1)}}$                             | CDI | P | H  | MINUS |
| 1702 | 778 | 2 |  | CDI | H | P  | MINUS |
| 1703 | 779 | 1 | $1/2 e^{\frac{\sqrt{-y^2+1}}{x}} - 1/2 e^{-\frac{\sqrt{-y^2+1}}{x}}$ | CDI | P | SH | PLUS  |

|      |     |   |  |     |   |      |       |
|------|-----|---|--|-----|---|------|-------|
| 1704 | 780 | 1 | $1/2 e^{\frac{1}{x\sqrt{-y^2+1}}} - 1/2 e^{-\frac{1}{x\sqrt{-y^2+1}}}$                                     | CDI | P | SH   | MINUS |
| 1705 | 781 | 1 | $1/2 e^{\frac{\sqrt{-y^2+1}}{x}} + 1/2 e^{-\frac{\sqrt{-y^2+1}}{x}}$                                       | CDI | P | CH   | PLUS  |
| 1706 | 782 | 1 | $1/2 e^{\frac{1}{x\sqrt{-y^2+1}}} + 1/2 e^{-\frac{1}{x\sqrt{-y^2+1}}}$                                     | CDI | P | CH   | MINUS |
| 1707 | 783 | 1 | $1 \left( e^{2\frac{\sqrt{-y^2+1}}{x}} - 1 \right) \left( e^{2\frac{\sqrt{-y^2+1}}{x}} + 1 \right)^{-1}$   | CDI | P | TH   | PLUS  |
| 1708 | 784 | 1 | $1 \left( e^{2\frac{1}{x\sqrt{-y^2+1}}} - 1 \right) \left( e^{2\frac{1}{x\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | CDI | P | TH   | MINUS |
| 1709 | 785 | 1 | $\frac{\sqrt{y^2-1}\pi}{x}$  | CDI | H | CDF  | PLUS  |
| 1710 | 785 | 2 |  | CDF | H | CDI  | MINUS |
| 1711 | 786 | 1 | $\frac{\pi}{x\sqrt{y^2-1}}$  | CDI | H | CDF  | MINUS |
| 1712 | 786 | 2 |  | CDF | H | CDI  | PLUS  |
| 1713 | 787 | 1 | $\frac{x}{\sqrt{y^2-1}\pi}$  | CDI | H | CDIF | PLUS  |
| 1714 | 787 | 2 |  | CDF | H | CD   | MINUS |
| 1715 | 788 | 1 | $\frac{x\sqrt{y^2-1}}{\pi}$  | CDI | H | CDIF | MINUS |
| 1716 | 788 | 2 |  | CDF | H | CD   | PLUS  |
| 1717 | 789 | 1 | $\sqrt{\frac{\sqrt{y^2-1}}{x}}$  | CDI | H | W    | PLUS  |
| 1718 | 790 | 1 | $\sqrt{\frac{1}{x\sqrt{y^2-1}}}$   | CDI | H | W    | MINUS |
| 1719 | 791 | 1 | $e^{\frac{\sqrt{y^2-1}}{x}}$   | CDI | H | LL   | PLUS  |
| 1720 | 792 | 1 | $e^{\frac{1}{x\sqrt{y^2-1}}}$  | CDI | H | LL   | MINUS |
| 1721 | 793 | 1 | $LOG\left(\frac{\sqrt{y^2-1}}{x}\right)$   | CDI | H | L    | PLUS  |
| 1722 | 794 | 1 | $LOG\left(\frac{1}{x\sqrt{y^2-1}}\right)$  | CDI | H | L    | MINUS |
| 1723 | 795 | 1 | $\arcsin\left(\frac{\sqrt{y^2-1}}{x}\right)$   | CDI | H | S    | PLUS  |

|      |     |   |  |     |    |      |       |
|------|-----|---|--|-----|----|------|-------|
| 1724 | 796 | 1 | $\arcsin\left(\frac{1}{x\sqrt{y^2-1}}\right)$  | CDI | H  | S    | MINUS |
| 1725 | 797 | 1 | $\arctan\left(\frac{\sqrt{y^2-1}}{x}\right)$   | CDI | H  | T    | PLUS  |
| 1726 | 798 | 1 | $\arctan\left(\frac{1}{x\sqrt{y^2-1}}\right)$  | CDI | H  | T    | MINUS |
| 1727 | 799 | 1 | $1/2 e^{\frac{\sqrt{y^2-1}}{x}} - 1/2 e^{-\frac{\sqrt{y^2-1}}{x}}$                                 | CDI | H  | SH   | PLUS  |
| 1728 | 800 | 1 | $1/2 e^{\frac{1}{x\sqrt{y^2-1}}} - 1/2 e^{-\frac{1}{x\sqrt{y^2-1}}}$                               | CDI | H  | SH   | MINUS |
| 1729 | 801 | 1 | $1/2 e^{\frac{\sqrt{y^2-1}}{x}} + 1/2 e^{-\frac{\sqrt{y^2-1}}{x}}$                                 | CDI | H  | CH   | PLUS  |
| 1730 | 802 | 1 | $1/2 e^{\frac{1}{x\sqrt{y^2-1}}} + 1/2 e^{-\frac{1}{x\sqrt{y^2-1}}}$                               | CDI | H  | CH   | MINUS |
| 1731 | 803 | 1 | $1\left(e^{2\frac{\sqrt{y^2-1}}{x}} - 1\right)\left(e^{2\frac{\sqrt{y^2-1}}{x}} + 1\right)^{-1}$   | CDI | H  | TH   | PLUS  |
| 1732 | 804 | 1 | $1\left(e^{2\frac{1}{x\sqrt{y^2-1}}} - 1\right)\left(e^{2\frac{1}{x\sqrt{y^2-1}}} + 1\right)^{-1}$ | CDI | H  | TH   | MINUS |
| 1733 | 805 | 1 | $\frac{\ln(y+\sqrt{y^2+1})\pi}{x}$   | CDI | SH | CDF  | PLUS  |
| 1734 | 805 | 2 |  | CDF | SH | CDI  | MINUS |
| 1735 | 806 | 1 | $\frac{\pi}{x \ln(y+\sqrt{y^2+1})}$  | CDI | SH | CDF  | MINUS |
| 1736 | 806 | 2 |  | CDF | SH | CDI  | PLUS  |
| 1737 | 807 | 1 | $\frac{x}{\ln(y+\sqrt{y^2+1})\pi}$   | CDI | SH | CDIF | PLUS  |
| 1738 | 807 | 2 |  | CDF | SH | CD   | MINUS |
| 1739 | 808 | 1 | $\frac{x \ln(y+\sqrt{y^2+1})}{\pi}$  | CDI | SH | CDIF | MINUS |
| 1740 | 808 | 2 |  | CDF | SH | CD   | PLUS  |
| 1741 | 809 | 1 | $\sqrt{\frac{\ln(y+\sqrt{y^2+1})}{x}}$   | CDI | SH | W    | PLUS  |
| 1742 | 810 | 1 | $\sqrt{\frac{1}{x \ln(y+\sqrt{y^2+1})}}$   | CDI | SH | W    | MINUS |

|      |     |   |  |     |    |    |       |
|------|-----|---|--|-----|----|----|-------|
| 1743 | 811 | 1 | $\sqrt[x]{y + \sqrt{y^2 + 1}}$   | CDI | SH | LL | PLUS  |
| 1744 | 812 | 1 | $e^{\frac{1}{x \ln(y + \sqrt{y^2 + 1})}}$  | CDI | SH | LL | MINUS |
| 1745 | 813 | 1 | $LOG\left(\frac{\ln(y + \sqrt{y^2 + 1})}{x}\right)$  | CDI | SH | L  | PLUS  |
| 1746 | 814 | 1 | $LOG\left(\frac{1}{x \ln(y + \sqrt{y^2 + 1})}\right)$  | CDI | SH | L  | MINUS |
| 1747 | 815 | 1 | $\arcsin\left(\frac{\ln(y + \sqrt{y^2 + 1})}{x}\right)$                                      | CDI | SH | S  | PLUS  |
| 1748 | 816 | 1 | $\arcsin\left(\frac{1}{x \ln(y + \sqrt{y^2 + 1})}\right)$                                    | CDI | SH | S  | MINUS |
| 1749 | 817 | 1 | $\arctan\left(\frac{\ln(y + \sqrt{y^2 + 1})}{x}\right)$                                      | CDI | SH | T  | PLUS  |
| 1750 | 818 | 1 | $\arctan\left(\frac{1}{x \ln(y + \sqrt{y^2 + 1})}\right)$                                    | CDI | SH | T  | MINUS |
| 1751 | 819 | 1 | $\sqrt{-\frac{(\ln(y + \sqrt{y^2 + 1}))^2 - x^2}{x^2}}$                                      | CDI | SH | P  | PLUS  |
| 1752 | 820 | 1 | $\sqrt{\frac{x^2 (\ln(y + \sqrt{y^2 + 1}))^2 - 1}{x^2 (\ln(y + \sqrt{y^2 + 1}))^2}}$         | CDI | SH | P  | MINUS |
| 1753 | 821 | 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 + 1}))^2 + x^2}{x^2}}$                                       | CDI | SH | H  | PLUS  |
| 1754 | 822 | 1 | $\sqrt{\frac{x^2 (\ln(y + \sqrt{y^2 + 1}))^2 + 1}{x^2 (\ln(y + \sqrt{y^2 + 1}))^2}}$         | CDI | SH | H  | MINUS |
| 1755 | 823 | 1 | $1/2 \sqrt[x]{y + \sqrt{y^2 + 1}} - 1/2 \left(y + \sqrt{y^2 + 1}\right)^{-x^{-1}}$           | CDI | SH | SH | PLUS  |
| 1756 | 824 | 1 | $1/2 e^{\frac{1}{x \ln(y + \sqrt{y^2 + 1})}} - 1/2 e^{-\frac{1}{x \ln(y + \sqrt{y^2 + 1})}}$ | CDI | SH | SH | MINUS |
| 1757 | 825 | 1 | $1/2 \sqrt[x]{y + \sqrt{y^2 + 1}} + 1/2 \left(y + \sqrt{y^2 + 1}\right)^{-x^{-1}}$           | CDI | SH | CH | PLUS  |



|      |     |   |   |     |    |      |       |
|------|-----|---|---|-----|----|------|-------|
| 1758 | 826 | 1 | $1/2 e^{\frac{1}{x \ln(y+\sqrt{y^2+1})}} + 1/2 e^{-\frac{1}{x \ln(y+\sqrt{y^2+1})}}$                                    | CDI | SH | CH   | MINUS |
| 1759 | 827 | 1 | $1 \left( \left( (y + \sqrt{y^2 + 1})^{2x^{-1}} - 1 \right) \left( (y + \sqrt{y^2 + 1})^{2x^{-1}} \right)^{-1} \right)$ | CDI | SH | TH   | PLUS  |
| 1760 | 828 | 1 | $1 \left( e^{\frac{2}{x \ln(y+\sqrt{y^2+1})}} - 1 \right) \left( e^{\frac{2}{x \ln(y+\sqrt{y^2+1})}} + 1 \right)^{-1}$  | CDI | SH | TH   | MINUS |
| 1761 | 829 | 1 | $\frac{\ln(y+\sqrt{y^2-1})\pi}{x}$  | CDI | CH | CDF  | PLUS  |
| 1762 | 829 | 2 |   | CDF | CH | CDI  | MINUS |
| 1763 | 830 | 1 | $\frac{\pi}{x \ln(y+\sqrt{y^2-1})}$   | CDI | CH | CDF  | MINUS |
| 1764 | 830 | 2 |   | CDF | CH | CDI  | PLUS  |
| 1765 | 831 | 1 | $\frac{x}{\ln(y+\sqrt{y^2-1})\pi}$  | CDI | CH | CDIF | PLUS  |
| 1766 | 831 | 2 |   | CDF | CH | CD   | MINUS |
| 1767 | 832 | 1 | $\frac{x \ln(y+\sqrt{y^2-1})}{\pi}$   | CDI | CH | CDIF | MINUS |
| 1768 | 832 | 2 |   | CDF | CH | CD   | PLUS  |
| 1769 | 833 | 1 | $\sqrt{\frac{\ln(y+\sqrt{y^2-1})}{x}}$  | CDI | CH | W    | PLUS  |
| 1770 | 834 | 1 | $\sqrt{\frac{1}{x \ln(y+\sqrt{y^2-1})}}$  | CDI | CH | W    | MINUS |
| 1771 | 835 | 1 | $\sqrt[x]{y + \sqrt{y^2 - 1}}$  | CDI | CH | LL   | PLUS  |
| 1772 | 836 | 1 | $e^{\frac{1}{x \ln(y+\sqrt{y^2-1})}}$   | CDI | CH | LL   | MINUS |
| 1773 | 837 | 1 | $LOG \left( \frac{\ln(y+\sqrt{y^2-1})}{x} \right)$  | CDI | CH | L    | PLUS  |
| 1774 | 838 | 1 | $LOG \left( \frac{1}{x \ln(y+\sqrt{y^2-1})} \right)$  | CDI | CH | L    | MINUS |
| 1775 | 839 | 1 | $\arcsin \left( \frac{\ln(y+\sqrt{y^2-1})}{x} \right)$  | CDI | CH | S    | PLUS  |
| 1776 | 840 | 1 | $\arcsin \left( \frac{1}{x \ln(y+\sqrt{y^2-1})} \right)$  | CDI | CH | S    | MINUS |

|      |     |   |  |     |    |     |       |
|------|-----|---|--|-----|----|-----|-------|
| 1777 | 841 | 1 | $\arctan\left(\frac{\ln(y+\sqrt{y^2-1})}{x}\right)$  | CDI | CH | T   | PLUS  |
| 1778 | 842 | 1 | $\arctan\left(\frac{1}{x \ln(y+\sqrt{y^2-1})}\right)$  | CDI | CH | T   | MINUS |
| 1779 | 843 | 1 | $\sqrt{-\frac{(\ln(y+\sqrt{y^2-1}))^2-x^2}{x^2}}$  | CDI | CH | P   | PLUS  |
| 1780 | 844 | 1 | $\sqrt{\frac{x^2(\ln(y+\sqrt{y^2-1}))^2-1}{x^2(\ln(y+\sqrt{y^2-1}))^2}}$   | CDI | CH | P   | MINUS |
| 1781 | 845 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2+x^2}{x^2}}$   | CDI | CH | H   | PLUS  |
| 1782 | 846 | 1 | $\sqrt{\frac{x^2(\ln(y+\sqrt{y^2-1}))^2+1}{x^2(\ln(y+\sqrt{y^2-1}))^2}}$   | CDI | CH | H   | MINUS |
| 1783 | 847 | 1 | $1/2 \sqrt[x]{y+\sqrt{y^2-1}} - 1/2 \left(y+\sqrt{y^2-1}\right)^{-x^{-1}}$   | CDI | CH | SH  | PLUS  |
| 1784 | 848 | 1 | $1/2 e^{\frac{1}{x \ln(y+\sqrt{y^2-1})}} - 1/2 e^{-\frac{1}{x \ln(y+\sqrt{y^2-1})}}$                                   | CDI | CH | SH  | MINUS |
| 1785 | 849 | 1 | $1/2 \sqrt[x]{y+\sqrt{y^2-1}} + 1/2 \left(y+\sqrt{y^2-1}\right)^{-x^{-1}}$   | CDI | CH | CH  | PLUS  |
| 1786 | 850 | 1 | $1/2 e^{\frac{1}{x \ln(y+\sqrt{y^2-1})}} + 1/2 e^{-\frac{1}{x \ln(y+\sqrt{y^2-1})}}$                                   | CDI | CH | CH  | MINUS |
| 1787 | 851 | 1 | $1 \left( \left(y+\sqrt{y^2-1}\right)^{2x^{-1}} - 1 \right) \left( \left(y+\sqrt{y^2-1}\right)^{2x^{-1}} \right)^{-1}$ | CDI | CH | TH  | PLUS  |
| 1788 | 852 | 1 | $1 \left( e^{\frac{2}{x \ln(y+\sqrt{y^2-1})}} - 1 \right) \left( e^{\frac{2}{x \ln(y+\sqrt{y^2-1})}} + 1 \right)^{-1}$ | CDI | CH | TH  | MINUS |
| 1789 | 853 | 1 | $1/2 \frac{\pi}{x} \ln\left(\frac{-y-1}{y-1}\right)$   | CDI | TH | CDF | PLUS  |
| 1790 | 853 | 2 |  | CDF | TH | CDI | MINUS |
| 1791 | 854 | 1 | $2 \frac{\pi}{x} \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-1}$   | CDI | TH | CDF | MINUS |
| 1792 | 854 | 2 |  | CDF | TH | CDI | PLUS  |

|      |     |   |  |     |    |      |       |
|------|-----|---|--|-----|----|------|-------|
| 1793 | 855 | 1 | $2 \frac{x}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | CDI | TH | CDIF | PLUS  |
| 1794 | 855 | 2 |  | CDF | TH | CD   | MINUS |
| 1795 | 856 | 1 | $1/2 \frac{x}{\pi} \ln \left( \frac{-y-1}{y-1} \right)$  | CDI | TH | CDIF | MINUS |
| 1796 | 856 | 2 |  | CDF | TH | CD   | PLUS  |
| 1797 | 857 | 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{x} \ln \left( \frac{-y-1}{y-1} \right)}$  | CDI | TH | W    | PLUS  |
| 1798 | 858 | 1 | $\sqrt{2} \sqrt{\frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$  | CDI | TH | W    | MINUS |
| 1799 | 859 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 x^{-1}}$   | CDI | TH | LL   | PLUS  |
| 1800 | 860 | 1 | $e^{2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$  | CDI | TH | LL   | MINUS |
| 1801 | 861 | 1 | $LOG \left( 1/2 \frac{1}{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$   | CDI | TH | L    | PLUS  |
| 1802 | 862 | 1 | $LOG \left( 2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$   | CDI | TH | L    | MINUS |
| 1803 | 863 | 1 | $\arcsin \left( 1/2 \frac{1}{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$   | CDI | TH | S    | PLUS  |
| 1804 | 864 | 1 | $\arcsin \left( 2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$   | CDI | TH | S    | MINUS |
| 1805 | 865 | 1 | $\arctan \left( 1/2 \frac{1}{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$   | CDI | TH | T    | PLUS  |
| 1806 | 866 | 1 | $\arctan \left( 2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$   | CDI | TH | T    | MINUS |
| 1807 | 867 | 1 | $1/2 \sqrt{\frac{1}{x^2} \left( 4 x^2 - \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \right)}$   | CDI | TH | P    | PLUS  |
| 1808 | 868 | 1 | $\sqrt{\frac{1}{x^2} \left( x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 - 4 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$ | CDI | TH | P    | MINUS |
| 1809 | 869 | 1 | $1/2 \sqrt{\frac{1}{x^2} \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4 x^2 \right)}$   | CDI | TH | H    | PLUS  |

|      |     |   |  |     |     |     |       |
|------|-----|---|--|-----|-----|-----|-------|
| 1810 | 870 | 1 | $\sqrt{\frac{1}{x^2} \left( x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$   | CDI | TH  | H   | MINUS |
| 1811 | 871 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 x^{-1}} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 x^{-1}}$   | CDI | TH  | SH  | PLUS  |
| 1812 | 872 | 1 | $1/2 e^{2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1/2 e^{-2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CDI | TH  | SH  | MINUS |
| 1813 | 873 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 x^{-1}} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 x^{-1}}$   | CDI | TH  | CH  | PLUS  |
| 1814 | 874 | 1 | $1/2 e^{2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1/2 e^{-2 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CDI | TH  | CH  | MINUS |
| 1815 | 875 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 x^{-1}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 x^{-1}} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 x^{-1}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 x^{-1}} \right)^{-1}$ | CDI | TH  | TH  | PLUS  |
| 1816 | 876 | 1 | $1 \left( e^{4 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1 \right) \left( e^{4 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1 \right)^{-1}$                               | CDI | TH  | TH  | MINUS |
| 1817 | 877 | 1 | $\frac{x^2 y^2}{\pi^4}$  | CDF | CDF | AB  | PLUS  |
| 1818 | 878 | 1 | $\sqrt{\frac{xy}{\pi^2}}$  | CDF | CDF | W   | PLUS  |
| 1819 | 879 | 1 | $\frac{\pi^4}{x^2 y^2}$  | CDF | CDF | ABI | PLUS  |
| 1820 | 880 | 1 | $\frac{x^3 y^3}{\pi^6}$  | CDF | CDF | K   | PLUS  |
| 1821 | 881 | 1 | $\frac{\pi^6}{x^3 y^3}$  | CDF | CDF | KI  | PLUS  |
| 1822 | 882 | 1 | $e^{\frac{xy}{\pi^2}}$   | CDF | CDF | LL  | PLUS  |
| 1823 | 883 | 1 | $LOG \left( \frac{xy}{\pi^2} \right)$  | CDF | CDF | L   | PLUS  |
| 1824 | 884 | 1 | $\arcsin \left( \frac{xy}{\pi^2} \right)$  | CDF | CDF | S   | PLUS  |
| 1825 | 885 | 1 | $\arctan \left( \frac{xy}{\pi^2} \right)$  | CDF | CDF | T   | PLUS  |
| 1826 | 886 | 1 | $\sqrt{\frac{\pi^4 - x^2 y^2}{\pi^4}}$   | CDF | CDF | P   | PLUS  |
| 1827 | 887 | 1 | $\sqrt{\frac{\pi^4 + x^2 y^2}{\pi^4}}$   | CDF | CDF | H   | PLUS  |
| 1828 | 888 | 1 | $1/2 e^{\frac{xy}{\pi^2}} - 1/2 e^{-\frac{xy}{\pi^2}}$   | CDF | CDF | SH  | PLUS  |

|      |     |   |  |     |      |     |       |
|------|-----|---|--|-----|------|-----|-------|
| 1829 | 889 | 1 | $1/2 e^{\frac{xy}{\pi^2}} + 1/2 e^{-\frac{xy}{\pi^2}}$   | CDF | CDF  | CH  | PLUS  |
| 1830 | 890 | 1 | $1 \left( e^{2 \frac{xy}{\pi^2}} - 1 \right) \left( e^{2 \frac{xy}{\pi^2}} + 1 \right)^{-1}$   | CDF | CDF  | TH  | PLUS  |
| 1831 | 891 | 1 | $\frac{x^2}{y^2 \pi^4}$  | CDF | CDIF | AB  | PLUS  |
| 1832 | 892 | 1 | $\sqrt{\frac{x}{y \pi^2}}$   | CDF | CDIF | W   | PLUS  |
| 1833 | 893 | 1 | $\frac{y^2 \pi^4}{x^2}$  | CDF | CDIF | ABI | PLUS  |
| 1834 | 894 | 1 | $\frac{x^3}{y^3 \pi^6}$  | CDF | CDIF | K   | PLUS  |
| 1835 | 895 | 1 | $\frac{y^3 \pi^6}{x^3}$  | CDF | CDIF | KI  | PLUS  |
| 1836 | 896 | 1 | $e^{\frac{x}{y \pi^2}}$  | CDF | CDIF | LL  | PLUS  |
| 1837 | 897 | 1 | $LOG \left( \frac{x}{y \pi^2} \right)$   | CDF | CDIF | L   | PLUS  |
| 1838 | 898 | 1 | $\arcsin \left( \frac{x}{y \pi^2} \right)$   | CDF | CDIF | S   | PLUS  |
| 1839 | 899 | 1 | $\arctan \left( \frac{x}{y \pi^2} \right)$   | CDF | CDIF | T   | PLUS  |
| 1840 | 900 | 1 | $\sqrt{\frac{\pi^4 y^2 - x^2}{\pi^4 y^2}}$   | CDF | CDIF | P   | PLUS  |
| 1841 | 901 | 1 | $\sqrt{\frac{\pi^4 y^2 + x^2}{\pi^4 y^2}}$   | CDF | CDIF | H   | PLUS  |
| 1842 | 902 | 1 | $1/2 e^{\frac{x}{y \pi^2}} - 1/2 e^{-\frac{x}{y \pi^2}}$                                       | CDF | CDIF | SH  | PLUS  |
| 1843 | 903 | 1 | $1/2 e^{\frac{x}{y \pi^2}} + 1/2 e^{-\frac{x}{y \pi^2}}$                                       | CDF | CDIF | CH  | PLUS  |
| 1844 | 904 | 1 | $1 \left( e^{2 \frac{x}{y \pi^2}} - 1 \right) \left( e^{2 \frac{x}{y \pi^2}} + 1 \right)^{-1}$ | CDF | CDIF | TH  | PLUS  |
| 1845 | 905 | 1 | $\frac{x^2 y}{\pi^2}$  | CDF | AB   | AB  | PLUS  |
| 1846 | 905 | 2 |  | CDF | ABI  | AB  | MINUS |
| 1847 | 906 | 1 | $\frac{x^2}{y \pi^2}$  | CDF | AB   | AB  | MINUS |
| 1848 | 906 | 2 |  | CDF | ABI  | AB  | PLUS  |
| 1849 | 907 | 1 | $\sqrt{\frac{x \sqrt{y}}{\pi}}$  | CDF | AB   | W   | PLUS  |

|      |     |   |   |     |     |     |       |
|------|-----|---|---|-----|-----|-----|-------|
| 1850 | 907 | 2 |   | CDF | ABI | W   | MINUS |
| 1851 | 908 | 1 | $\sqrt{\frac{x}{y\pi}}$                     | CDF | AB  | W   | MINUS |
| 1852 | 908 | 2 |   | CDF | ABI | W   | PLUS  |
| 1853 | 909 | 1 | $\frac{\pi^2}{x^2 y}$                       | CDF | AB  | ABI | PLUS  |
| 1854 | 909 | 2 |   | CDF | ABI | ABI | MINUS |
| 1855 | 910 | 1 | $\frac{y\pi^2}{x^2}$                        | CDF | AB  | ABI | MINUS |
| 1856 | 910 | 2 |   | CDF | ABI | ABI | PLUS  |
| 1857 | 911 | 1 | $\frac{x^3 y^{3/2}}{\pi^3}$                 | CDF | AB  | K   | PLUS  |
| 1858 | 911 | 2 |   | CDF | ABI | K   | MINUS |
| 1859 | 912 | 1 | $\frac{x^3}{y^{3/2} \pi^3}$                 | CDF | AB  | K   | MINUS |
| 1860 | 912 | 2 |   | CDF | ABI | K   | PLUS  |
| 1861 | 913 | 1 | $\frac{\pi^3}{x^3 y^{3/2}}$                 | CDF | AB  | KI  | PLUS  |
| 1862 | 913 | 2 |   | CDF | ABI | KI  | MINUS |
| 1863 | 914 | 1 | $\frac{y^{3/2} \pi^3}{x^3}$                 | CDF | AB  | KI  | MINUS |
| 1864 | 914 | 2 |   | CDF | ABI | KI  | PLUS  |
| 1865 | 915 | 1 | $e^{\frac{x\sqrt{y}}{\pi}}$                 | CDF | AB  | LL  | PLUS  |
| 1866 | 915 | 2 |   | CDF | ABI | LL  | MINUS |
| 1867 | 916 | 1 | $e^{\frac{x}{\sqrt{y\pi}}}$                 | CDF | AB  | LL  | MINUS |
| 1868 | 916 | 2 |   | CDF | ABI | LL  | PLUS  |
| 1869 | 917 | 1 | $LOG\left(\frac{x\sqrt{y}}{\pi}\right)$     | CDF | AB  | L   | PLUS  |
| 1870 | 917 | 2 |   | CDF | ABI | L   | MINUS |
| 1871 | 918 | 1 | $LOG\left(\frac{x}{\sqrt{y\pi}}\right)$     | CDF | AB  | L   | MINUS |
| 1872 | 918 | 2 |   | CDF | ABI | L   | PLUS  |
| 1873 | 919 | 1 | $\arcsin\left(\frac{x\sqrt{y}}{\pi}\right)$ | CDF | AB  | S   | PLUS  |
| 1874 | 919 | 2 |   | CDF | ABI | S   | MINUS |
| 1875 | 920 | 1 | $\arcsin\left(\frac{x}{\sqrt{y\pi}}\right)$ | CDF | AB  | S   | MINUS |
| 1876 | 920 | 2 |   | CDF | ABI | S   | PLUS  |

|      |     |   |  |     |     |    |       |
|------|-----|---|--|-----|-----|----|-------|
| 1877 | 921 | 1 | $\arctan\left(\frac{x\sqrt{y}}{\pi}\right)$  | CDF | AB  | T  | PLUS  |
| 1878 | 921 | 2 |  | CDF | ABI | T  | MINUS |
| 1879 | 922 | 1 | $\arctan\left(\frac{x}{\sqrt{y}\pi}\right)$  | CDF | AB  | T  | MINUS |
| 1880 | 922 | 2 |  | CDF | ABI | T  | PLUS  |
| 1881 | 923 | 1 | $\sqrt{\frac{-x^2y+\pi^2}{\pi^2}}$   | CDF | AB  | P  | PLUS  |
| 1882 | 923 | 2 |  | CDF | ABI | P  | MINUS |
| 1883 | 924 | 1 | $\sqrt{\frac{\pi^2y-x^2}{\pi^2y}}$   | CDF | AB  | P  | MINUS |
| 1884 | 924 | 2 |  | CDF | ABI | P  | PLUS  |
| 1885 | 925 | 1 | $\sqrt{\frac{x^2y+\pi^2}{\pi^2}}$  | CDF | AB  | H  | PLUS  |
| 1886 | 925 | 2 |  | CDF | ABI | H  | MINUS |
| 1887 | 926 | 1 | $\sqrt{\frac{\pi^2y+x^2}{\pi^2y}}$   | CDF | AB  | H  | MINUS |
| 1888 | 926 | 2 |  | CDF | ABI | H  | PLUS  |
| 1889 | 927 | 1 | $1/2 e^{\frac{x\sqrt{y}}{\pi}} - 1/2 e^{-\frac{x\sqrt{y}}{\pi}}$                               | CDF | AB  | SH | PLUS  |
| 1890 | 927 | 2 |  | CDF | ABI | SH | MINUS |
| 1891 | 928 | 1 | $1/2 e^{\frac{x}{\sqrt{y}\pi}} - 1/2 e^{-\frac{x}{\sqrt{y}\pi}}$                               | CDF | AB  | SH | MINUS |
| 1892 | 928 | 2 |  | CDF | ABI | SH | PLUS  |
| 1893 | 929 | 1 | $1/2 e^{\frac{x\sqrt{y}}{\pi}} + 1/2 e^{-\frac{x\sqrt{y}}{\pi}}$                               | CDF | AB  | CH | PLUS  |
| 1894 | 929 | 2 |  | CDF | ABI | CH | MINUS |
| 1895 | 930 | 1 | $1/2 e^{\frac{x}{\sqrt{y}\pi}} + 1/2 e^{-\frac{x}{\sqrt{y}\pi}}$                               | CDF | AB  | CH | MINUS |
| 1896 | 930 | 2 |  | CDF | ABI | CH | PLUS  |
| 1897 | 931 | 1 | $1\left(e^{2\frac{x\sqrt{y}}{\pi}} - 1\right)\left(e^{2\frac{x\sqrt{y}}{\pi}} + 1\right)^{-1}$ | CDF | AB  | TH | PLUS  |
| 1898 | 931 | 2 |  | CDF | ABI | TH | MINUS |
| 1899 | 932 | 1 | $1\left(e^{2\frac{x}{\sqrt{y}\pi}} - 1\right)\left(e^{2\frac{x}{\sqrt{y}\pi}} + 1\right)^{-1}$ | CDF | AB  | TH | MINUS |
| 1900 | 932 | 2 |  | CDF | ABI | TH | PLUS  |
| 1901 | 933 | 1 | $\frac{x^2y^4}{\pi^2}$   | CDF | W   | AB | PLUS  |
| 1902 | 934 | 1 | $\frac{x^2}{y^4\pi^2}$   | CDF | W   | AB | MINUS |

|      |     |   |  |     |   |     |       |
|------|-----|---|--|-----|---|-----|-------|
| 1903 | 935 | 1 | $\sqrt{\frac{xy^2}{\pi}}$              | CDF | W | W   | PLUS  |
| 1904 | 936 | 1 | $\sqrt{\frac{x}{y^2\pi}}$              | CDF | W | W   | MINUS |
| 1905 | 937 | 1 | $\frac{\pi^2}{x^2y^4}$                 | CDF | W | ABI | PLUS  |
| 1906 | 938 | 1 | $\frac{y^4\pi^2}{x^2}$                 | CDF | W | ABI | MINUS |
| 1907 | 939 | 1 | $\frac{x^3y^6}{\pi^3}$                 | CDF | W | K   | PLUS  |
| 1908 | 940 | 1 | $\frac{x^3}{y^6\pi^3}$                 | CDF | W | K   | MINUS |
| 1909 | 941 | 1 | $\frac{\pi^3}{x^3y^6}$                 | CDF | W | KI  | PLUS  |
| 1910 | 942 | 1 | $\frac{y^6\pi^3}{x^3}$                 | CDF | W | KI  | MINUS |
| 1911 | 943 | 1 | $e^{\frac{xy^2}{\pi}}$                 | CDF | W | LL  | PLUS  |
| 1912 | 944 | 1 | $e^{\frac{x}{y^2\pi}}$                 | CDF | W | LL  | MINUS |
| 1913 | 945 | 1 | $LOG\left(\frac{xy^2}{\pi}\right)$     | CDF | W | L   | PLUS  |
| 1914 | 946 | 1 | $LOG\left(\frac{x}{y^2\pi}\right)$     | CDF | W | L   | MINUS |
| 1915 | 947 | 1 | $\arcsin\left(\frac{xy^2}{\pi}\right)$ | CDF | W | S   | PLUS  |
| 1916 | 948 | 1 | $\arcsin\left(\frac{x}{y^2\pi}\right)$ | CDF | W | S   | MINUS |
| 1917 | 949 | 1 | $\arctan\left(\frac{xy^2}{\pi}\right)$ | CDF | W | T   | PLUS  |
| 1918 | 950 | 1 | $\arctan\left(\frac{x}{y^2\pi}\right)$ | CDF | W | T   | MINUS |
| 1919 | 951 | 1 | $\sqrt{\frac{-x^2y^4+\pi^2}{\pi^2}}$   | CDF | W | P   | PLUS  |
| 1920 | 952 | 1 | $\sqrt{\frac{y^4\pi^2-x^2}{y^4\pi^2}}$ | CDF | W | P   | MINUS |
| 1921 | 953 | 1 | $\sqrt{\frac{x^2y^4+\pi^2}{\pi^2}}$    | CDF | W | H   | PLUS  |



|      |     |   |  |     |    |     |       |
|------|-----|---|--|-----|----|-----|-------|
| 1922 | 954 | 1 | $\sqrt{\frac{y^4\pi^2+x^2}{y^4\pi^2}}$   | CDF | W  | H   | MINUS |
| 1923 | 955 | 1 | $1/2 e^{\frac{xy^2}{\pi}} - 1/2 e^{-\frac{xy^2}{\pi}}$                                     | CDF | W  | SH  | PLUS  |
| 1924 | 956 | 1 | $1/2 e^{\frac{x}{y^2\pi}} - 1/2 e^{-\frac{x}{y^2\pi}}$                                     | CDF | W  | SH  | MINUS |
| 1925 | 957 | 1 | $1/2 e^{\frac{xy^2}{\pi}} + 1/2 e^{-\frac{xy^2}{\pi}}$                                     | CDF | W  | CH  | PLUS  |
| 1926 | 958 | 1 | $1/2 e^{\frac{x}{y^2\pi}} + 1/2 e^{-\frac{x}{y^2\pi}}$                                     | CDF | W  | CH  | MINUS |
| 1927 | 959 | 1 | $1 \left( e^{2\frac{xy^2}{\pi}} - 1 \right) \left( e^{2\frac{xy^2}{\pi}} + 1 \right)^{-1}$ | CDF | W  | TH  | PLUS  |
| 1928 | 960 | 1 | $1 \left( e^{2\frac{x}{y^2\pi}} - 1 \right) \left( e^{2\frac{x}{y^2\pi}} + 1 \right)^{-1}$ | CDF | W  | TH  | MINUS |
| 1929 | 961 | 1 | $\frac{x^2 y^{2/3}}{\pi^2}$  | CDF | K  | AB  | PLUS  |
| 1930 | 961 | 2 |  | CDF | KI | AB  | MINUS |
| 1931 | 962 | 1 | $\frac{x^2}{y^{2/3}\pi^2}$   | CDF | K  | AB  | MINUS |
| 1932 | 962 | 2 |  | CDF | KI | AB  | PLUS  |
| 1933 | 963 | 1 | $\sqrt{\frac{x\sqrt[3]{y}}{\pi}}$  | CDF | K  | W   | PLUS  |
| 1934 | 963 | 2 |  | CDF | KI | W   | MINUS |
| 1935 | 964 | 1 | $\sqrt{\frac{x}{\sqrt[3]{y}\pi}}$  | CDF | K  | W   | MINUS |
| 1936 | 964 | 2 |  | CDF | KI | W   | PLUS  |
| 1937 | 965 | 1 | $\frac{\pi^2}{x^2 y^{2/3}}$  | CDF | K  | ABI | PLUS  |
| 1938 | 965 | 2 |  | CDF | KI | ABI | MINUS |
| 1939 | 966 | 1 | $\frac{y^{2/3}\pi^2}{x^2}$   | CDF | K  | ABI | MINUS |
| 1940 | 966 | 2 |  | CDF | KI | ABI | PLUS  |
| 1941 | 967 | 1 | $\frac{x^3 y}{\pi^3}$  | CDF | K  | K   | PLUS  |
| 1942 | 967 | 2 |  | CDF | KI | K   | MINUS |
| 1943 | 968 | 1 | $\frac{x^3}{y\pi^3}$   | CDF | K  | K   | MINUS |
| 1944 | 968 | 2 |  | CDF | KI | K   | PLUS  |
| 1945 | 969 | 1 | $\frac{\pi^3}{x^3 y}$  | CDF | K  | KI  | PLUS  |
| 1946 | 969 | 2 |  | CDF | KI | KI  | MINUS |

|      |     |   |  |     |    |    |       |
|------|-----|---|--|-----|----|----|-------|
| 1947 | 970 | 1 | $\frac{y\pi^3}{x^3}$                           | CDF | K  | KI | MINUS |
| 1948 | 970 | 2 |  | CDF | KI | KI | PLUS  |
| 1949 | 971 | 1 | $e^{\frac{x\sqrt[3]{y}}{\pi}}$                 | CDF | K  | LL | PLUS  |
| 1950 | 971 | 2 |  | CDF | KI | LL | MINUS |
| 1951 | 972 | 1 | $e^{\frac{x}{\sqrt[3]{y}\pi}}$                 | CDF | K  | LL | MINUS |
| 1952 | 972 | 2 |  | CDF | KI | LL | PLUS  |
| 1953 | 973 | 1 | $LOG\left(\frac{x\sqrt[3]{y}}{\pi}\right)$     | CDF | K  | L  | PLUS  |
| 1954 | 973 | 2 |  | CDF | KI | L  | MINUS |
| 1955 | 974 | 1 | $LOG\left(\frac{x}{\sqrt[3]{y}\pi}\right)$     | CDF | K  | L  | MINUS |
| 1956 | 974 | 2 |  | CDF | KI | L  | PLUS  |
| 1957 | 975 | 1 | $\arcsin\left(\frac{x\sqrt[3]{y}}{\pi}\right)$ | CDF | K  | S  | PLUS  |
| 1958 | 975 | 2 |  | CDF | KI | S  | MINUS |
| 1959 | 976 | 1 | $\arcsin\left(\frac{x}{\sqrt[3]{y}\pi}\right)$ | CDF | K  | S  | MINUS |
| 1960 | 976 | 2 |  | CDF | KI | S  | PLUS  |
| 1961 | 977 | 1 | $\arctan\left(\frac{x\sqrt[3]{y}}{\pi}\right)$ | CDF | K  | T  | PLUS  |
| 1962 | 977 | 2 |  | CDF | KI | T  | MINUS |
| 1963 | 978 | 1 | $\arctan\left(\frac{x}{\sqrt[3]{y}\pi}\right)$ | CDF | K  | T  | MINUS |
| 1964 | 978 | 2 |  | CDF | KI | T  | PLUS  |
| 1965 | 979 | 1 | $\sqrt{-\frac{x^2y^{2/3}-\pi^2}{\pi^2}}$       | CDF | K  | P  | PLUS  |
| 1966 | 979 | 2 |  | CDF | KI | P  | MINUS |
| 1967 | 980 | 1 | $\sqrt{\frac{y^{2/3}\pi^2-x^2}{y^{2/3}\pi^2}}$ | CDF | K  | P  | MINUS |
| 1968 | 980 | 2 |  | CDF | KI | P  | PLUS  |
| 1969 | 981 | 1 | $\sqrt{\frac{x^2y^{2/3}+\pi^2}{\pi^2}}$        | CDF | K  | H  | PLUS  |
| 1970 | 981 | 2 |  | CDF | KI | H  | MINUS |
| 1971 | 982 | 1 | $\sqrt{\frac{y^{2/3}\pi^2+x^2}{y^{2/3}\pi^2}}$ | CDF | K  | H  | MINUS |
| 1972 | 982 | 2 |  | CDF | KI | H  | PLUS  |

|      |     |   |  |     |    |     |       |
|------|-----|---|--|-----|----|-----|-------|
| 1973 | 983 | 1 | $1/2 e^{\frac{x \sqrt[3]{y}}{\pi}} - 1/2 e^{-\frac{x \sqrt[3]{y}}{\pi}}$                                       | CDF | K  | SH  | PLUS  |
| 1974 | 983 | 2 |  | CDF | KI | SH  | MINUS |
| 1975 | 984 | 1 | $1/2 e^{\frac{x}{\sqrt[3]{y}\pi}} - 1/2 e^{-\frac{x}{\sqrt[3]{y}\pi}}$   | CDF | K  | SH  | MINUS |
| 1976 | 984 | 2 |  | CDF | KI | SH  | PLUS  |
| 1977 | 985 | 1 | $1/2 e^{\frac{x \sqrt[3]{y}}{\pi}} + 1/2 e^{-\frac{x \sqrt[3]{y}}{\pi}}$                                       | CDF | K  | CH  | PLUS  |
| 1978 | 985 | 2 |  | CDF | KI | CH  | MINUS |
| 1979 | 986 | 1 | $1/2 e^{\frac{x}{\sqrt[3]{y}\pi}} + 1/2 e^{-\frac{x}{\sqrt[3]{y}\pi}}$   | CDF | K  | CH  | MINUS |
| 1980 | 986 | 2 |  | CDF | KI | CH  | PLUS  |
| 1981 | 987 | 1 | $1 \left( e^{2 \frac{x \sqrt[3]{y}}{\pi}} - 1 \right) \left( e^{2 \frac{x \sqrt[3]{y}}{\pi}} + 1 \right)^{-1}$ | CDF | K  | TH  | PLUS  |
| 1982 | 987 | 2 |  | CDF | KI | TH  | MINUS |
| 1983 | 988 | 1 | $1 \left( e^{2 \frac{x}{\sqrt[3]{y}\pi}} - 1 \right) \left( e^{2 \frac{x}{\sqrt[3]{y}\pi}} + 1 \right)^{-1}$   | CDF | K  | TH  | MINUS |
| 1984 | 988 | 2 |  | CDF | KI | TH  | PLUS  |
| 1985 | 989 | 1 | $\frac{x^2 (\ln(y))^2}{\pi^2}$   | CDF | LL | AB  | PLUS  |
| 1986 | 990 | 1 | $\frac{x^2}{(\ln(y))^2 \pi^2}$   | CDF | LL | AB  | MINUS |
| 1987 | 991 | 1 | $\sqrt{\frac{x \ln(y)}{\pi}}$  | CDF | LL | W   | PLUS  |
| 1988 | 992 | 1 | $\sqrt{\frac{x}{\ln(y)\pi}}$   | CDF | LL | W   | MINUS |
| 1989 | 993 | 1 | $\frac{\pi^2}{x^2 (\ln(y))^2}$   | CDF | LL | ABI | PLUS  |
| 1990 | 994 | 1 | $\frac{(\ln(y))^2 \pi^2}{x^2}$   | CDF | LL | ABI | MINUS |
| 1991 | 995 | 1 | $\frac{x^3 (\ln(y))^3}{\pi^3}$   | CDF | LL | K   | PLUS  |
| 1992 | 996 | 1 | $\frac{x^3}{(\ln(y))^3 \pi^3}$   | CDF | LL | K   | MINUS |
| 1993 | 997 | 1 | $\frac{\pi^3}{x^3 (\ln(y))^3}$   | CDF | LL | KI  | PLUS  |
| 1994 | 998 | 1 | $\frac{(\ln(y))^3 \pi^3}{x^3}$   | CDF | LL | KI  | MINUS |
| 1995 | 999 | 1 | $y^{\frac{x}{\pi}}$  | CDF | LL | LL  | PLUS  |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 1996 | 1000 | 1 | $e^{\frac{x}{\ln(y)\pi}}$  | CDF | LL | LL | MINUS |
| 1997 | 1001 | 1 | $LOG\left(\frac{x \ln(y)}{\pi}\right)$   | CDF | LL | L  | PLUS  |
| 1998 | 1002 | 1 | $LOG\left(\frac{x}{\ln(y)\pi}\right)$  | CDF | LL | L  | MINUS |
| 1999 | 1003 | 1 | $\arcsin\left(\frac{x \ln(y)}{\pi}\right)$   | CDF | LL | S  | PLUS  |
| 2000 | 1004 | 1 | $\arcsin\left(\frac{x}{\ln(y)\pi}\right)$  | CDF | LL | S  | MINUS |
| 2001 | 1005 | 1 | $\arctan\left(\frac{x \ln(y)}{\pi}\right)$   | CDF | LL | T  | PLUS  |
| 2002 | 1006 | 1 | $\arctan\left(\frac{x}{\ln(y)\pi}\right)$  | CDF | LL | T  | MINUS |
| 2003 | 1007 | 1 | $\sqrt{-\frac{x^2(\ln(y))^2 - \pi^2}{\pi^2}}$  | CDF | LL | P  | PLUS  |
| 2004 | 1008 | 1 | $\sqrt{\frac{(\ln(y))^2 \pi^2 - x^2}{(\ln(y))^2 \pi^2}}$                                       | CDF | LL | P  | MINUS |
| 2005 | 1009 | 1 | $\sqrt{\frac{x^2(\ln(y))^2 + \pi^2}{\pi^2}}$   | CDF | LL | H  | PLUS  |
| 2006 | 1010 | 1 | $\sqrt{\frac{(\ln(y))^2 \pi^2 + x^2}{(\ln(y))^2 \pi^2}}$                                       | CDF | LL | H  | MINUS |
| 2007 | 1011 | 1 | $1/2 y^{\frac{x}{\pi}} - 1/2 y^{-\frac{x}{\pi}}$   | CDF | LL | SH | PLUS  |
| 2008 | 1012 | 1 | $1/2 e^{\frac{x}{\ln(y)\pi}} - 1/2 e^{-\frac{x}{\ln(y)\pi}}$                                   | CDF | LL | SH | MINUS |
| 2009 | 1013 | 1 | $1/2 y^{\frac{x}{\pi}} + 1/2 y^{-\frac{x}{\pi}}$   | CDF | LL | CH | PLUS  |
| 2010 | 1014 | 1 | $1/2 e^{\frac{x}{\ln(y)\pi}} + 1/2 e^{-\frac{x}{\ln(y)\pi}}$                                   | CDF | LL | CH | MINUS |
| 2011 | 1015 | 1 | $1 \left(y^2 \frac{x}{\pi} - 1\right) \left(y^2 \frac{x}{\pi} + 1\right)^{-1}$                 | CDF | LL | TH | PLUS  |
| 2012 | 1016 | 1 | $1 \left(e^{2 \frac{x}{\ln(y)\pi}} - 1\right) \left(e^{2 \frac{x}{\ln(y)\pi}} + 1\right)^{-1}$ | CDF | LL | TH | MINUS |
| 2013 | 1017 | 1 | $\frac{x^2(EXP(y))^2}{\pi^2}$  | CDF | L  | AB | PLUS  |
| 2014 | 1018 | 1 | $\frac{x^2}{(EXP(y))^2 \pi^2}$   | CDF | L  | AB | MINUS |

|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 2015 | 1019 | 1 | $\sqrt{\frac{x EXP(y)}{\pi}}$                        | CDF | L | W   | PLUS  |
| 2016 | 1020 | 1 | $\sqrt{\frac{x}{EXP(y)\pi}}$                         | CDF | L | W   | MINUS |
| 2017 | 1021 | 1 | $\frac{\pi^2}{x^2(EXP(y))^2}$                        | CDF | L | ABI | PLUS  |
| 2018 | 1022 | 1 | $\frac{(EXP(y))^2\pi^2}{x^2}$                        | CDF | L | ABI | MINUS |
| 2019 | 1023 | 1 | $\frac{x^3(EXP(y))^3}{\pi^3}$                        | CDF | L | K   | PLUS  |
| 2020 | 1024 | 1 | $\frac{x^3}{(EXP(y))^3\pi^3}$                        | CDF | L | K   | MINUS |
| 2021 | 1025 | 1 | $\frac{\pi^3}{x^3(EXP(y))^3}$                        | CDF | L | KI  | PLUS  |
| 2022 | 1026 | 1 | $\frac{(EXP(y))^3\pi^3}{x^3}$                        | CDF | L | KI  | MINUS |
| 2023 | 1027 | 1 | $e^{\frac{x EXP(y)}{\pi}}$                           | CDF | L | LL  | PLUS  |
| 2024 | 1028 | 1 | $e^{\frac{x}{EXP(y)\pi}}$                            | CDF | L | LL  | MINUS |
| 2025 | 1029 | 1 | $LOG\left(\frac{x EXP(y)}{\pi}\right)$               | CDF | L | L   | PLUS  |
| 2026 | 1030 | 1 | $LOG\left(\frac{x}{EXP(y)\pi}\right)$                | CDF | L | L   | MINUS |
| 2027 | 1031 | 1 | $\arcsin\left(\frac{x EXP(y)}{\pi}\right)$           | CDF | L | S   | PLUS  |
| 2028 | 1032 | 1 | $\arcsin\left(\frac{x}{EXP(y)\pi}\right)$            | CDF | L | S   | MINUS |
| 2029 | 1033 | 1 | $\arctan\left(\frac{x EXP(y)}{\pi}\right)$           | CDF | L | T   | PLUS  |
| 2030 | 1034 | 1 | $\arctan\left(\frac{x}{EXP(y)\pi}\right)$            | CDF | L | T   | MINUS |
| 2031 | 1035 | 1 | $\sqrt{-\frac{x^2(EXP(y))^2-\pi^2}{\pi^2}}$          | CDF | L | P   | PLUS  |
| 2032 | 1036 | 1 | $\sqrt{\frac{(EXP(y))^2\pi^2-x^2}{(EXP(y))^2\pi^2}}$ | CDF | L | P   | MINUS |
| 2033 | 1037 | 1 | $\sqrt{\frac{x^2(EXP(y))^2+\pi^2}{\pi^2}}$           | CDF | L | H   | PLUS  |

|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 2034 | 1038 | 1 | $\sqrt{\frac{(EXP(y))^2 \pi^2 + x^2}{(EXP(y))^2 \pi^2}}$   | CDF | L | H   | MINUS |
| 2035 | 1039 | 1 | $1/2 e^{\frac{x EXP(y)}{\pi}} - 1/2 e^{-\frac{x EXP(y)}{\pi}}$                                       | CDF | L | SH  | PLUS  |
| 2036 | 1040 | 1 | $1/2 e^{\frac{x}{EXP(y) \pi}} - 1/2 e^{-\frac{x}{EXP(y) \pi}}$                                       | CDF | L | SH  | MINUS |
| 2037 | 1041 | 1 | $1/2 e^{\frac{x EXP(y)}{\pi}} + 1/2 e^{-\frac{x EXP(y)}{\pi}}$                                       | CDF | L | CH  | PLUS  |
| 2038 | 1042 | 1 | $1/2 e^{\frac{x}{EXP(y) \pi}} + 1/2 e^{-\frac{x}{EXP(y) \pi}}$                                       | CDF | L | CH  | MINUS |
| 2039 | 1043 | 1 | $1 \left( e^{2 \frac{x EXP(y)}{\pi}} - 1 \right) \left( e^{2 \frac{x EXP(y)}{\pi}} + 1 \right)^{-1}$ | CDF | L | TH  | PLUS  |
| 2040 | 1044 | 1 | $1 \left( e^{2 \frac{x}{EXP(y) \pi}} - 1 \right) \left( e^{2 \frac{x}{EXP(y) \pi}} + 1 \right)^{-1}$ | CDF | L | TH  | MINUS |
| 2041 | 1045 | 1 | $\frac{x^2 (\sin(y))^2}{\pi^2}$  | CDF | S | AB  | PLUS  |
| 2042 | 1046 | 1 | $\frac{x^2}{(\sin(y))^2 \pi^2}$  | CDF | S | AB  | MINUS |
| 2043 | 1047 | 1 | $\sqrt{\frac{x \sin(y)}{\pi}}$   | CDF | S | W   | PLUS  |
| 2044 | 1048 | 1 | $\sqrt{\frac{x}{\sin(y) \pi}}$   | CDF | S | W   | MINUS |
| 2045 | 1049 | 1 | $\frac{\pi^2}{x^2 (\sin(y))^2}$  | CDF | S | ABI | PLUS  |
| 2046 | 1050 | 1 | $\frac{(\sin(y))^2 \pi^2}{x^2}$  | CDF | S | ABI | MINUS |
| 2047 | 1051 | 1 | $\frac{x^3 (\sin(y))^3}{\pi^3}$  | CDF | S | K   | PLUS  |
| 2048 | 1052 | 1 | $\frac{x^3}{(\sin(y))^3 \pi^3}$  | CDF | S | K   | MINUS |
| 2049 | 1053 | 1 | $\frac{\pi^3}{x^3 (\sin(y))^3}$  | CDF | S | KI  | PLUS  |
| 2050 | 1054 | 1 | $\frac{(\sin(y))^3 \pi^3}{x^3}$  | CDF | S | KI  | MINUS |
| 2051 | 1055 | 1 | $e^{\frac{x \sin(y)}{\pi}}$  | CDF | S | LL  | PLUS  |
| 2052 | 1056 | 1 | $e^{\frac{x}{\sin(y) \pi}}$  | CDF | S | LL  | MINUS |
| 2053 | 1057 | 1 | $LOG \left( \frac{x \sin(y)}{\pi} \right)$   | CDF | S | L   | PLUS  |

|      |      |   |  |     |   |    |       |
|------|------|---|--|-----|---|----|-------|
| 2054 | 1058 | 1 | $LOG\left(\frac{x}{\sin(y)\pi}\right)$   | CDF | S | L  | MINUS |
| 2055 | 1059 | 1 | $\arcsin\left(\frac{x \sin(y)}{\pi}\right)$  | CDF | S | S  | PLUS  |
| 2056 | 1060 | 1 | $\arcsin\left(\frac{x}{\sin(y)\pi}\right)$   | CDF | S | S  | MINUS |
| 2057 | 1061 | 1 | $\arctan\left(\frac{x \sin(y)}{\pi}\right)$  | CDF | S | T  | PLUS  |
| 2058 | 1062 | 1 | $\arctan\left(\frac{x}{\sin(y)\pi}\right)$   | CDF | S | T  | MINUS |
| 2059 | 1063 | 1 | $\sqrt{\frac{(\cos(y))^2 x^2 + \pi^2 - x^2}{\pi^2}}$   | CDF | S | P  | PLUS  |
| 2060 | 1064 | 1 | $\sqrt{\frac{(\sin(y))^2 \pi^2 - x^2}{(\sin(y))^2 \pi^2}}$   | CDF | S | P  | MINUS |
| 2061 | 1065 | 1 | $\sqrt{-\frac{(\cos(y))^2 x^2 - \pi^2 - x^2}{\pi^2}}$  | CDF | S | H  | PLUS  |
| 2062 | 1066 | 1 | $\sqrt{\frac{(\sin(y))^2 \pi^2 + x^2}{(\sin(y))^2 \pi^2}}$   | CDF | S | H  | MINUS |
| 2063 | 1067 | 1 | $1/2 e^{\frac{x \sin(y)}{\pi}} - 1/2 e^{-\frac{x \sin(y)}{\pi}}$                                       | CDF | S | SH | PLUS  |
| 2064 | 1068 | 1 | $1/2 e^{\frac{x}{\sin(y)\pi}} - 1/2 e^{-\frac{x}{\sin(y)\pi}}$   | CDF | S | SH | MINUS |
| 2065 | 1069 | 1 | $1/2 e^{\frac{x \sin(y)}{\pi}} + 1/2 e^{-\frac{x \sin(y)}{\pi}}$                                       | CDF | S | CH | PLUS  |
| 2066 | 1070 | 1 | $1/2 e^{\frac{x}{\sin(y)\pi}} + 1/2 e^{-\frac{x}{\sin(y)\pi}}$   | CDF | S | CH | MINUS |
| 2067 | 1071 | 1 | $1 \left( e^{2 \frac{x \sin(y)}{\pi}} - 1 \right) \left( e^{2 \frac{x \sin(y)}{\pi}} + 1 \right)^{-1}$ | CDF | S | TH | PLUS  |
| 2068 | 1072 | 1 | $1 \left( e^{2 \frac{x}{\sin(y)\pi}} - 1 \right) \left( e^{2 \frac{x}{\sin(y)\pi}} + 1 \right)^{-1}$   | CDF | S | TH | MINUS |
| 2069 | 1073 | 1 | $\frac{x^2 (\tan(y))^2}{\pi^2}$  | CDF | T | AB | PLUS  |
| 2070 | 1074 | 1 | $\frac{x^2}{(\tan(y))^2 \pi^2}$  | CDF | T | AB | MINUS |
| 2071 | 1075 | 1 | $\sqrt{\frac{x \tan(y)}{\pi}}$   | CDF | T | W  | PLUS  |

|      |      |   |   |     |   |     |       |
|------|------|---|---|-----|---|-----|-------|
| 2072 | 1076 | 1 | $\sqrt{\frac{x}{\tan(y)\pi}}$   | CDF | T | W   | MINUS |
| 2073 | 1077 | 1 | $\frac{\pi^2}{x^2(\tan(y))^2}$  | CDF | T | ABI | PLUS  |
| 2074 | 1078 | 1 | $\frac{(\tan(y))^2\pi^2}{x^2}$  | CDF | T | ABI | MINUS |
| 2075 | 1079 | 1 | $\frac{x^3(\tan(y))^3}{\pi^3}$  | CDF | T | K   | PLUS  |
| 2076 | 1080 | 1 | $\frac{x^3}{(\tan(y))^3\pi^3}$  | CDF | T | K   | MINUS |
| 2077 | 1081 | 1 | $\frac{\pi^3}{x^3(\tan(y))^3}$  | CDF | T | KI  | PLUS  |
| 2078 | 1082 | 1 | $\frac{(\tan(y))^3\pi^3}{x^3}$  | CDF | T | KI  | MINUS |
| 2079 | 1083 | 1 | $e^{\frac{x \tan(y)}{\pi}}$   | CDF | T | LL  | PLUS  |
| 2080 | 1084 | 1 | $e^{\frac{x}{\tan(y)\pi}}$  | CDF | T | LL  | MINUS |
| 2081 | 1085 | 1 | $LOG\left(\frac{x \tan(y)}{\pi}\right)$                               | CDF | T | L   | PLUS  |
| 2082 | 1086 | 1 | $LOG\left(\frac{x}{\tan(y)\pi}\right)$                                | CDF | T | L   | MINUS |
| 2083 | 1087 | 1 | $\arcsin\left(\frac{x \tan(y)}{\pi}\right)$                           | CDF | T | S   | PLUS  |
| 2084 | 1088 | 1 | $\arcsin\left(\frac{x}{\tan(y)\pi}\right)$                            | CDF | T | S   | MINUS |
| 2085 | 1089 | 1 | $\arctan\left(\frac{x \tan(y)}{\pi}\right)$                           | CDF | T | T   | PLUS  |
| 2086 | 1090 | 1 | $\arctan\left(\frac{x}{\tan(y)\pi}\right)$                            | CDF | T | T   | MINUS |
| 2087 | 1091 | 1 | $\sqrt{\frac{(\cos(y))^2\pi^2+(\cos(y))^2x^2-x^2}{(\cos(y))^2\pi^2}}$ | CDF | T | P   | PLUS  |
| 2088 | 1092 | 1 | $\sqrt{\frac{(\tan(y))^2\pi^2-x^2}{(\tan(y))^2\pi^2}}$                | CDF | T | P   | MINUS |
| 2089 | 1093 | 1 | $\sqrt{\frac{(\cos(y))^2\pi^2-(\cos(y))^2x^2+x^2}{(\cos(y))^2\pi^2}}$ | CDF | T | H   | PLUS  |
| 2090 | 1094 | 1 | $\sqrt{\frac{(\tan(y))^2\pi^2+x^2}{(\tan(y))^2\pi^2}}$                | CDF | T | H   | MINUS |



|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 2091 | 1095 | 1 | $1/2 e^{\frac{x \tan(y)}{\pi}} - 1/2 e^{-\frac{x \tan(y)}{\pi}}$                                       | CDF | T | SH  | PLUS  |
| 2092 | 1096 | 1 | $1/2 e^{\frac{x}{\tan(y)\pi}} - 1/2 e^{-\frac{x}{\tan(y)\pi}}$   | CDF | T | SH  | MINUS |
| 2093 | 1097 | 1 | $1/2 e^{\frac{x \tan(y)}{\pi}} + 1/2 e^{-\frac{x \tan(y)}{\pi}}$                                       | CDF | T | CH  | PLUS  |
| 2094 | 1098 | 1 | $1/2 e^{\frac{x}{\tan(y)\pi}} + 1/2 e^{-\frac{x}{\tan(y)\pi}}$   | CDF | T | CH  | MINUS |
| 2095 | 1099 | 1 | $1 \left( e^{2 \frac{x \tan(y)}{\pi}} - 1 \right) \left( e^{2 \frac{x \tan(y)}{\pi}} + 1 \right)^{-1}$ | CDF | T | TH  | PLUS  |
| 2096 | 1100 | 1 | $1 \left( e^{2 \frac{x}{\tan(y)\pi}} - 1 \right) \left( e^{2 \frac{x}{\tan(y)\pi}} + 1 \right)^{-1}$   | CDF | T | TH  | MINUS |
| 2097 | 1101 | 1 | $\frac{x^2(-y^2+1)}{\pi^2}$  | CDF | P | AB  | PLUS  |
| 2098 | 1102 | 1 | $-\frac{x^2}{(y^2-1)\pi^2}$  | CDF | P | AB  | MINUS |
| 2099 | 1103 | 1 | $\sqrt{\frac{x\sqrt{-y^2+1}}{\pi}}$  | CDF | P | W   | PLUS  |
| 2100 | 1104 | 1 | $\sqrt{\frac{x}{\sqrt{-y^2+1}\pi}}$  | CDF | P | W   | MINUS |
| 2101 | 1105 | 1 | $-\frac{\pi^2}{x^2(y^2-1)}$  | CDF | P | ABI | PLUS  |
| 2102 | 1106 | 1 | $\frac{(-y^2+1)\pi^2}{x^2}$  | CDF | P | ABI | MINUS |
| 2103 | 1107 | 1 | $\frac{x^3(-y^2+1)^{3/2}}{\pi^3}$  | CDF | P | K   | PLUS  |
| 2104 | 1108 | 1 | $\frac{x^3}{(-y^2+1)^{3/2}\pi^3}$  | CDF | P | K   | MINUS |
| 2105 | 1109 | 1 | $\frac{\pi^3}{x^3(-y^2+1)^{3/2}}$  | CDF | P | KI  | PLUS  |
| 2106 | 1110 | 1 | $\frac{(-y^2+1)^{3/2}\pi^3}{x^3}$  | CDF | P | KI  | MINUS |
| 2107 | 1111 | 1 | $e^{\frac{x\sqrt{-y^2+1}}{\pi}}$   | CDF | P | LL  | PLUS  |
| 2108 | 1112 | 1 | $e^{\frac{x}{\sqrt{-y^2+1}\pi}}$   | CDF | P | LL  | MINUS |
| 2109 | 1113 | 1 | $LOG\left(\frac{x\sqrt{-y^2+1}}{\pi}\right)$   | CDF | P | L   | PLUS  |

|      |      |   |  |     |   |    |       |
|------|------|---|--|-----|---|----|-------|
| 2110 | 1114 | 1 | $LOG\left(\frac{x}{\sqrt{-y^2+1}\pi}\right)$   | CDF | P | L  | MINUS |
| 2111 | 1115 | 1 | $\arcsin\left(\frac{x\sqrt{-y^2+1}}{\pi}\right)$   | CDF | P | S  | PLUS  |
| 2112 | 1116 | 1 | $\arcsin\left(\frac{x}{\sqrt{-y^2+1}\pi}\right)$   | CDF | P | S  | MINUS |
| 2113 | 1117 | 1 | $\arctan\left(\frac{x\sqrt{-y^2+1}}{\pi}\right)$   | CDF | P | T  | PLUS  |
| 2114 | 1118 | 1 | $\arctan\left(\frac{x}{\sqrt{-y^2+1}\pi}\right)$   | CDF | P | T  | MINUS |
| 2115 | 1119 | 1 | $\sqrt{\frac{x^2y^2+\pi^2-x^2}{\pi^2}}$  | CDF | P | P  | PLUS  |
| 2116 | 1119 | 2 |  | CDF | H | H  | PLUS  |
| 2117 | 1120 | 1 | $\sqrt{\frac{y^2\pi^2-\pi^2+x^2}{(y^2-1)\pi^2}}$   | CDF | P | P  | MINUS |
| 2118 | 1120 | 2 |  | CDF | H | H  | MINUS |
| 2119 | 1121 | 1 | $\sqrt{\frac{-x^2y^2+\pi^2+x^2}{\pi^2}}$   | CDF | P | H  | PLUS  |
| 2120 | 1121 | 2 |  | CDF | H | P  | PLUS  |
| 2121 | 1122 | 1 | $\sqrt{\frac{y^2\pi^2-\pi^2-x^2}{(y^2-1)\pi^2}}$   | CDF | P | H  | MINUS |
| 2122 | 1122 | 2 |  | CDF | H | P  | MINUS |
| 2123 | 1123 | 1 | $1/2e^{\frac{x\sqrt{-y^2+1}}{\pi}} - 1/2e^{-\frac{x\sqrt{-y^2+1}}{\pi}}$                                 | CDF | P | SH | PLUS  |
| 2124 | 1124 | 1 | $1/2e^{\frac{x}{\sqrt{-y^2+1}\pi}} - 1/2e^{-\frac{x}{\sqrt{-y^2+1}\pi}}$                                 | CDF | P | SH | MINUS |
| 2125 | 1125 | 1 | $1/2e^{\frac{x\sqrt{-y^2+1}}{\pi}} + 1/2e^{-\frac{x\sqrt{-y^2+1}}{\pi}}$                                 | CDF | P | CH | PLUS  |
| 2126 | 1126 | 1 | $1/2e^{\frac{x}{\sqrt{-y^2+1}\pi}} + 1/2e^{-\frac{x}{\sqrt{-y^2+1}\pi}}$                                 | CDF | P | CH | MINUS |
| 2127 | 1127 | 1 | $1\left(e^{2\frac{x\sqrt{-y^2+1}}{\pi}} - 1\right)\left(e^{2\frac{x\sqrt{-y^2+1}}{\pi}} + 1\right)^{-1}$ | CDF | P | TH | PLUS  |
| 2128 | 1128 | 1 | $1\left(e^{2\frac{x}{\sqrt{-y^2+1}\pi}} - 1\right)\left(e^{2\frac{x}{\sqrt{-y^2+1}\pi}} + 1\right)^{-1}$ | CDF | P | TH | MINUS |
| 2129 | 1129 | 1 | $\frac{x^2(y^2-1)}{\pi^2}$   | CDF | H | AB | PLUS  |

|      |      |   |   |     |   |     |       |
|------|------|---|---|-----|---|-----|-------|
| 2130 | 1130 | 1 | $\frac{x^2}{(y^2-1)\pi^2}$                      | CDF | H | AB  | MINUS |
| 2131 | 1131 | 1 | $\sqrt{\frac{x\sqrt{y^2-1}}{\pi}}$              | CDF | H | W   | PLUS  |
| 2132 | 1132 | 1 | $\sqrt{\frac{x}{\sqrt{y^2-1}\pi}}$              | CDF | H | W   | MINUS |
| 2133 | 1133 | 1 | $\frac{\pi^2}{x^2(y^2-1)}$                      | CDF | H | ABI | PLUS  |
| 2134 | 1134 | 1 | $\frac{(y^2-1)\pi^2}{x^2}$                      | CDF | H | ABI | MINUS |
| 2135 | 1135 | 1 | $\frac{x^3(y^2-1)^{3/2}}{\pi^3}$                | CDF | H | K   | PLUS  |
| 2136 | 1136 | 1 | $\frac{x^3}{(y^2-1)^{3/2}\pi^3}$                | CDF | H | K   | MINUS |
| 2137 | 1137 | 1 | $\frac{\pi^3}{x^3(y^2-1)^{3/2}}$                | CDF | H | KI  | PLUS  |
| 2138 | 1138 | 1 | $\frac{(y^2-1)^{3/2}\pi^3}{x^3}$                | CDF | H | KI  | MINUS |
| 2139 | 1139 | 1 | $e^{\frac{x\sqrt{y^2-1}}{\pi}}$                 | CDF | H | LL  | PLUS  |
| 2140 | 1140 | 1 | $e^{\frac{x}{\sqrt{y^2-1}\pi}}$                 | CDF | H | LL  | MINUS |
| 2141 | 1141 | 1 | $LOG\left(\frac{x\sqrt{y^2-1}}{\pi}\right)$     | CDF | H | L   | PLUS  |
| 2142 | 1142 | 1 | $LOG\left(\frac{x}{\sqrt{y^2-1}\pi}\right)$     | CDF | H | L   | MINUS |
| 2143 | 1143 | 1 | $\arcsin\left(\frac{x\sqrt{y^2-1}}{\pi}\right)$ | CDF | H | S   | PLUS  |
| 2144 | 1144 | 1 | $\arcsin\left(\frac{x}{\sqrt{y^2-1}\pi}\right)$ | CDF | H | S   | MINUS |
| 2145 | 1145 | 1 | $\arctan\left(\frac{x\sqrt{y^2-1}}{\pi}\right)$ | CDF | H | T   | PLUS  |
| 2146 | 1146 | 1 | $\arctan\left(\frac{x}{\sqrt{y^2-1}\pi}\right)$ | CDF | H | T   | MINUS |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 2147 | 1147 | 1 | $1/2 e^{\frac{x\sqrt{y^2-1}}{\pi}} - 1/2 e^{-\frac{x\sqrt{y^2-1}}{\pi}}$                                       | CDF | H  | SH  | PLUS  |
| 2148 | 1148 | 1 | $1/2 e^{\frac{x}{\sqrt{y^2-1}\pi}} - 1/2 e^{-\frac{x}{\sqrt{y^2-1}\pi}}$                                       | CDF | H  | SH  | MINUS |
| 2149 | 1149 | 1 | $1/2 e^{\frac{x\sqrt{y^2-1}}{\pi}} + 1/2 e^{-\frac{x\sqrt{y^2-1}}{\pi}}$                                       | CDF | H  | CH  | PLUS  |
| 2150 | 1150 | 1 | $1/2 e^{\frac{x}{\sqrt{y^2-1}\pi}} + 1/2 e^{-\frac{x}{\sqrt{y^2-1}\pi}}$                                       | CDF | H  | CH  | MINUS |
| 2151 | 1151 | 1 | $1 \left( e^{2 \frac{x\sqrt{y^2-1}}{\pi}} - 1 \right) \left( e^{2 \frac{x\sqrt{y^2-1}}{\pi}} + 1 \right)^{-1}$ | CDF | H  | TH  | PLUS  |
| 2152 | 1152 | 1 | $1 \left( e^{2 \frac{x}{\sqrt{y^2-1}\pi}} - 1 \right) \left( e^{2 \frac{x}{\sqrt{y^2-1}\pi}} + 1 \right)^{-1}$ | CDF | H  | TH  | MINUS |
| 2153 | 1153 | 1 | $\frac{x^2 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2}{\pi^2}$                                       | CDF | SH | AB  | PLUS  |
| 2154 | 1154 | 1 | $\frac{x^2}{\left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 \pi^2}$                                       | CDF | SH | AB  | MINUS |
| 2155 | 1155 | 1 | $\sqrt{\frac{x \ln \left( y + \sqrt{y^2+1} \right)}{\pi}}$   | CDF | SH | W   | PLUS  |
| 2156 | 1156 | 1 | $\sqrt{\frac{x}{\ln \left( y + \sqrt{y^2+1} \right) \pi}}$   | CDF | SH | W   | MINUS |
| 2157 | 1157 | 1 | $\frac{\pi^2}{x^2 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2}$                                       | CDF | SH | ABI | PLUS  |
| 2158 | 1158 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 \pi^2}{x^2}$                                       | CDF | SH | ABI | MINUS |
| 2159 | 1159 | 1 | $\frac{x^3 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^3}{\pi^3}$                                       | CDF | SH | K   | PLUS  |
| 2160 | 1160 | 1 | $\frac{x^3}{\left( \ln \left( y + \sqrt{y^2+1} \right) \right)^3 \pi^3}$                                       | CDF | SH | K   | MINUS |
| 2161 | 1161 | 1 | $\frac{\pi^3}{x^3 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^3}$                                       | CDF | SH | KI  | PLUS  |
| 2162 | 1162 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2+1} \right) \right)^3 \pi^3}{x^3}$                                       | CDF | SH | KI  | MINUS |
| 2163 | 1163 | 1 | $\left( y + \sqrt{y^2+1} \right)^{\frac{x}{\pi}}$  | CDF | SH | LL  | PLUS  |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 2164 | 1164 | 1 | $e^{\frac{x}{\ln(y+\sqrt{y^2+1})\pi}}$   | CDF | SH | LL | MINUS |
| 2165 | 1165 | 1 | $LOG\left(\frac{x \ln(y+\sqrt{y^2+1})}{\pi}\right)$  | CDF | SH | L  | PLUS  |
| 2166 | 1166 | 1 | $LOG\left(\frac{x}{\ln(y+\sqrt{y^2+1})\pi}\right)$   | CDF | SH | L  | MINUS |
| 2167 | 1167 | 1 | $\arcsin\left(\frac{x \ln(y+\sqrt{y^2+1})}{\pi}\right)$  | CDF | SH | S  | PLUS  |
| 2168 | 1168 | 1 | $\arcsin\left(\frac{x}{\ln(y+\sqrt{y^2+1})\pi}\right)$   | CDF | SH | S  | MINUS |
| 2169 | 1169 | 1 | $\arctan\left(\frac{x \ln(y+\sqrt{y^2+1})}{\pi}\right)$  | CDF | SH | T  | PLUS  |
| 2170 | 1170 | 1 | $\arctan\left(\frac{x}{\ln(y+\sqrt{y^2+1})\pi}\right)$   | CDF | SH | T  | MINUS |
| 2171 | 1171 | 1 | $\sqrt{-\frac{x^2(\ln(y+\sqrt{y^2+1}))^2-\pi^2}{\pi^2}}$   | CDF | SH | P  | PLUS  |
| 2172 | 1172 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2+1}))^2\pi^2-x^2}{(\ln(y+\sqrt{y^2+1}))^2\pi^2}}$                           | CDF | SH | P  | MINUS |
| 2173 | 1173 | 1 | $\sqrt{\frac{x^2(\ln(y+\sqrt{y^2+1}))^2+\pi^2}{\pi^2}}$  | CDF | SH | H  | PLUS  |
| 2174 | 1174 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2+1}))^2\pi^2+x^2}{(\ln(y+\sqrt{y^2+1}))^2\pi^2}}$                           | CDF | SH | H  | MINUS |
| 2175 | 1175 | 1 | $1/2 \left(y + \sqrt{y^2+1}\right)^{\frac{x}{\pi}} - 1/2 \left(y + \sqrt{y^2+1}\right)^{-\frac{x}{\pi}}$ | CDF | SH | SH | PLUS  |
| 2176 | 1176 | 1 | $1/2 e^{\frac{x}{\ln(y+\sqrt{y^2+1})\pi}} - 1/2 e^{-\frac{x}{\ln(y+\sqrt{y^2+1})\pi}}$                   | CDF | SH | SH | MINUS |
| 2177 | 1177 | 1 | $1/2 \left(y + \sqrt{y^2+1}\right)^{\frac{x}{\pi}} + 1/2 \left(y + \sqrt{y^2+1}\right)^{-\frac{x}{\pi}}$ | CDF | SH | CH | PLUS  |
| 2178 | 1178 | 1 | $1/2 e^{\frac{x}{\ln(y+\sqrt{y^2+1})\pi}} + 1/2 e^{-\frac{x}{\ln(y+\sqrt{y^2+1})\pi}}$                   | CDF | SH | CH | MINUS |

|      |      |   |   |     |    |           |
|------|------|---|---|-----|----|-----------|
| 2179 | 1179 | 1 | $1 \left( \left( y + \sqrt{y^2 + 1} \right)^{2 \frac{x}{\pi}} - 1 \right) \left( \left( y + \sqrt{y^2 + 1} \right)^{2 \frac{x}{\pi}} \text{CDF} \right)^{-1}$ | SH  | TH | PLUS      |
| 2180 | 1180 | 1 | $1 \left( e^{2 \frac{x}{\ln(y + \sqrt{y^2 + 1}) \pi}} - 1 \right) \left( e^{2 \frac{x}{\ln(y + \sqrt{y^2 + 1}) \pi}} + 1 \right)^{-1}$                        | CDF | SH | TH MINUS  |
| 2181 | 1181 | 1 | $\frac{x^2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2}{\pi^2}$  | CDF | CH | AB PLUS   |
| 2182 | 1182 | 1 | $\frac{x^2}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2 \pi^2}$  | CDF | CH | AB MINUS  |
| 2183 | 1183 | 1 | $\sqrt{\frac{x \ln(y + \sqrt{y^2 - 1})}{\pi}}$  | CDF | CH | W PLUS    |
| 2184 | 1184 | 1 | $\sqrt{\frac{x}{\ln(y + \sqrt{y^2 - 1}) \pi}}$  | CDF | CH | W MINUS   |
| 2185 | 1185 | 1 | $\frac{\pi^2}{x^2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$  | CDF | CH | ABI PLUS  |
| 2186 | 1186 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2 \pi^2}{x^2}$  | CDF | CH | ABI MINUS |
| 2187 | 1187 | 1 | $\frac{x^3 \left( \ln(y + \sqrt{y^2 - 1}) \right)^3}{\pi^3}$  | CDF | CH | K PLUS    |
| 2188 | 1188 | 1 | $\frac{x^3}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3 \pi^3}$  | CDF | CH | K MINUS   |
| 2189 | 1189 | 1 | $\frac{\pi^3}{x^3 \left( \ln(y + \sqrt{y^2 - 1}) \right)^3}$  | CDF | CH | KI PLUS   |
| 2190 | 1190 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3 \pi^3}{x^3}$  | CDF | CH | KI MINUS  |
| 2191 | 1191 | 1 | $\left( y + \sqrt{y^2 - 1} \right)^{\frac{x}{\pi}}$   | CDF | CH | LL PLUS   |
| 2192 | 1192 | 1 | $e^{\frac{x}{\ln(y + \sqrt{y^2 - 1}) \pi}}$   | CDF | CH | LL MINUS  |
| 2193 | 1193 | 1 | $LOG \left( \frac{x \ln(y + \sqrt{y^2 - 1})}{\pi} \right)$  | CDF | CH | L PLUS    |
| 2194 | 1194 | 1 | $LOG \left( \frac{x}{\ln(y + \sqrt{y^2 - 1}) \pi} \right)$  | CDF | CH | L MINUS   |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 2195 | 1195 | 1 | $\arcsin\left(\frac{x \ln(y + \sqrt{y^2 - 1})}{\pi}\right)$  | CDF | CH | S  | PLUS  |
| 2196 | 1196 | 1 | $\arcsin\left(\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}\right)$   | CDF | CH | S  | MINUS |
| 2197 | 1197 | 1 | $\arctan\left(\frac{x \ln(y + \sqrt{y^2 - 1})}{\pi}\right)$  | CDF | CH | T  | PLUS  |
| 2198 | 1198 | 1 | $\arctan\left(\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}\right)$   | CDF | CH | T  | MINUS |
| 2199 | 1199 | 1 | $\sqrt{-\frac{x^2 (\ln(y + \sqrt{y^2 - 1}))^2 - \pi^2}{\pi^2}}$  | CDF | CH | P  | PLUS  |
| 2200 | 1200 | 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 \pi^2 - x^2}{(\ln(y + \sqrt{y^2 - 1}))^2 \pi^2}}$   | CDF | CH | P  | MINUS |
| 2201 | 1201 | 1 | $\sqrt{\frac{x^2 (\ln(y + \sqrt{y^2 - 1}))^2 + \pi^2}{\pi^2}}$   | CDF | CH | H  | PLUS  |
| 2202 | 1202 | 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 \pi^2 + x^2}{(\ln(y + \sqrt{y^2 - 1}))^2 \pi^2}}$   | CDF | CH | H  | MINUS |
| 2203 | 1203 | 1 | $1/2 \left(y + \sqrt{y^2 - 1}\right)^{\frac{x}{\pi}} - 1/2 \left(y + \sqrt{y^2 - 1}\right)^{-\frac{x}{\pi}}$                                 | CDF | CH | SH | PLUS  |
| 2204 | 1204 | 1 | $1/2 e^{\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}} - 1/2 e^{-\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}}$   | CDF | CH | SH | MINUS |
| 2205 | 1205 | 1 | $1/2 \left(y + \sqrt{y^2 - 1}\right)^{\frac{x}{\pi}} + 1/2 \left(y + \sqrt{y^2 - 1}\right)^{-\frac{x}{\pi}}$                                 | CDF | CH | CH | PLUS  |
| 2206 | 1206 | 1 | $1/2 e^{\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}} + 1/2 e^{-\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}}$   | CDF | CH | CH | MINUS |
| 2207 | 1207 | 1 | $1 \left( \left(y + \sqrt{y^2 - 1}\right)^{2\frac{x}{\pi}} - 1 \right) \left( \left(y + \sqrt{y^2 - 1}\right)^{2\frac{x}{\pi}} \right)^{-1}$ | CDF | CH | TH | PLUS  |
| 2208 | 1208 | 1 | $1 \left( e^{2\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}} - 1 \right) \left( e^{2\frac{x}{\ln(y + \sqrt{y^2 - 1})\pi}} + 1 \right)^{-1}$           | CDF | CH | TH | MINUS |
| 2209 | 1209 | 1 | $1/4 \frac{x^2}{\pi^2} \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2$  | CDF | TH | AB | PLUS  |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 2210 | 1210 | 1 | $4 \frac{x^2}{\pi^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                    | CDF | TH | AB  | MINUS |
| 2211 | 1211 | 1 | $1/2 \sqrt{2} \sqrt{\frac{x}{\pi} \ln \left( \frac{-y-1}{y-1} \right)}$                          | CDF | TH | W   | PLUS  |
| 2212 | 1212 | 1 | $\sqrt{2} \sqrt{\frac{x}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$          | CDF | TH | W   | MINUS |
| 2213 | 1213 | 1 | $4 \frac{\pi^2}{x^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                    | CDF | TH | ABI | PLUS  |
| 2214 | 1214 | 1 | $1/4 \frac{\pi^2}{x^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                     | CDF | TH | ABI | MINUS |
| 2215 | 1215 | 1 | $1/8 \frac{x^3}{\pi^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                     | CDF | TH | K   | PLUS  |
| 2216 | 1216 | 1 | $8 \frac{x^3}{\pi^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                    | CDF | TH | K   | MINUS |
| 2217 | 1217 | 1 | $8 \frac{\pi^3}{x^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                    | CDF | TH | KI  | PLUS  |
| 2218 | 1218 | 1 | $1/8 \frac{\pi^3}{x^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                     | CDF | TH | KI  | MINUS |
| 2219 | 1219 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \frac{x}{\pi}}$  | CDF | TH | LL  | PLUS  |
| 2220 | 1220 | 1 | $e^{2 \frac{x}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}}$   | CDF | TH | LL  | MINUS |
| 2221 | 1221 | 1 | $LOG \left( 1/2 \frac{x}{\pi} \ln \left( \frac{-y-1}{y-1} \right) \right)$                       | CDF | TH | L   | PLUS  |
| 2222 | 1222 | 1 | $LOG \left( 2 \frac{x}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$     | CDF | TH | L   | MINUS |
| 2223 | 1223 | 1 | $\arcsin \left( 1/2 \frac{x}{\pi} \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | CDF | TH | S   | PLUS  |
| 2224 | 1224 | 1 | $\arcsin \left( 2 \frac{x}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | CDF | TH | S   | MINUS |
| 2225 | 1225 | 1 | $\arctan \left( 1/2 \frac{x}{\pi} \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | CDF | TH | T   | PLUS  |
| 2226 | 1226 | 1 | $\arctan \left( 2 \frac{x}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | CDF | TH | T   | MINUS |



|      |      |   |  |      |     |     |       |
|------|------|---|--|------|-----|-----|-------|
| 2227 | 1227 | 1 | $1/2 \sqrt{\frac{1}{\pi^2} \left( -x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4 \pi^2 \right)}$  | CDF  | TH  | P   | PLUS  |
| 2228 | 1228 | 1 | $\sqrt{\frac{1}{\pi^2} \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \pi^2 - 4 x^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$   | CDF  | TH  | P   | MINUS |
| 2229 | 1229 | 1 | $1/2 \sqrt{\frac{1}{\pi^2} \left( x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4 \pi^2 \right)}$   | CDF  | TH  | H   | PLUS  |
| 2230 | 1230 | 1 | $\sqrt{\frac{1}{\pi^2} \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \pi^2 + 4 x^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$   | CDF  | TH  | H   | MINUS |
| 2231 | 1231 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{\pi}{\pi}} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{\pi}{\pi}}$   | CDF  | TH  | SH  | PLUS  |
| 2232 | 1232 | 1 | $1/2 e^{2 \frac{\pi}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}} - 1/2 e^{-2 \frac{\pi}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}}$   | CDF  | TH  | SH  | MINUS |
| 2233 | 1233 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{\pi}{\pi}} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{\pi}{\pi}}$   | CDF  | TH  | CH  | PLUS  |
| 2234 | 1234 | 1 | $1/2 e^{2 \frac{\pi}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 e^{-2 \frac{\pi}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}}$   | CDF  | TH  | CH  | MINUS |
| 2235 | 1235 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{\pi}{\pi}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{\pi}{\pi}} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{\pi}{\pi}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{\pi}{\pi}} \right)^{-1}$ | CDF  | TH  | TH  | PLUS  |
| 2236 | 1236 | 1 | $1 \left( e^{4 \frac{\pi}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right) \left( e^{4 \frac{\pi}{\pi} (\ln(\frac{-y-1}{y-1}))^{-1}} + 1 \right)^{-1}$   | CDF  | TH  | TH  | MINUS |
| 2237 | 1237 | 1 | $\frac{y^2}{x^2 \pi^4}$  | CDIF | CDF | AB  | PLUS  |
| 2238 | 1238 | 1 | $\sqrt{\frac{y}{x \pi^2}}$   | CDIF | CDF | W   | PLUS  |
| 2239 | 1239 | 1 | $\frac{x^2 \pi^4}{y^2}$  | CDIF | CDF | ABI | PLUS  |
| 2240 | 1240 | 1 | $\frac{y^3}{x^3 \pi^6}$  | CDIF | CDF | K   | PLUS  |
| 2241 | 1241 | 1 | $\frac{x^3 \pi^6}{y^3}$  | CDIF | CDF | KI  | PLUS  |
| 2242 | 1242 | 1 | $e^{\frac{y}{x \pi^2}}$  | CDIF | CDF | LL  | PLUS  |
| 2243 | 1243 | 1 | $LOG \left( \frac{y}{x \pi^2} \right)$   | CDIF | CDF | L   | PLUS  |

|      |      |   |  |      |      |     |      |
|------|------|---|--|------|------|-----|------|
| 2244 | 1244 | 1 | $\arcsin\left(\frac{y}{x\pi^2}\right)$   | CDIF | CDF  | S   | PLUS |
| 2245 | 1245 | 1 | $\arctan\left(\frac{y}{x\pi^2}\right)$   | CDIF | CDF  | T   | PLUS |
| 2246 | 1246 | 1 | $\sqrt{\frac{x^2\pi^4-y^2}{x^2\pi^4}}$   | CDIF | CDF  | P   | PLUS |
| 2247 | 1247 | 1 | $\sqrt{\frac{x^2\pi^4+y^2}{x^2\pi^4}}$   | CDIF | CDF  | H   | PLUS |
| 2248 | 1248 | 1 | $1/2 e^{\frac{y}{x\pi^2}} - 1/2 e^{-\frac{y}{x\pi^2}}$                           | CDIF | CDF  | SH  | PLUS |
| 2249 | 1249 | 1 | $1/2 e^{\frac{y}{x\pi^2}} + 1/2 e^{-\frac{y}{x\pi^2}}$                           | CDIF | CDF  | CH  | PLUS |
| 2250 | 1250 | 1 | $1\left(e^2\frac{y}{x\pi^2} - 1\right)\left(e^2\frac{y}{x\pi^2} + 1\right)^{-1}$ | CDIF | CDF  | TH  | PLUS |
| 2251 | 1251 | 1 | $\frac{1}{x^2y^2\pi^4}$  | CDIF | CDIF | AB  | PLUS |
| 2252 | 1252 | 1 | $\sqrt{\frac{1}{xy\pi^2}}$   | CDIF | CDIF | W   | PLUS |
| 2253 | 1253 | 1 | $x^2y^2\pi^4$  | CDIF | CDIF | ABI | PLUS |
| 2254 | 1254 | 1 | $\frac{1}{x^3y^3\pi^6}$  | CDIF | CDIF | K   | PLUS |
| 2255 | 1255 | 1 | $x^3y^3\pi^6$  | CDIF | CDIF | KI  | PLUS |
| 2256 | 1256 | 1 | $e^{\frac{1}{xy\pi^2}}$  | CDIF | CDIF | LL  | PLUS |
| 2257 | 1257 | 1 | $LOG\left(\frac{1}{xy\pi^2}\right)$  | CDIF | CDIF | L   | PLUS |
| 2258 | 1258 | 1 | $\arcsin\left(\frac{1}{xy\pi^2}\right)$  | CDIF | CDIF | S   | PLUS |
| 2259 | 1259 | 1 | $\arctan\left(\frac{1}{xy\pi^2}\right)$  | CDIF | CDIF | T   | PLUS |
| 2260 | 1260 | 1 | $\sqrt{\frac{\pi^4x^2y^2-1}{\pi^4x^2y^2}}$                                       | CDIF | CDIF | P   | PLUS |
| 2261 | 1261 | 1 | $\sqrt{\frac{\pi^4x^2y^2+1}{\pi^4x^2y^2}}$                                       | CDIF | CDIF | H   | PLUS |
| 2262 | 1262 | 1 | $1/2 e^{\frac{1}{xy\pi^2}} - 1/2 e^{-\frac{1}{xy\pi^2}}$                         | CDIF | CDIF | SH  | PLUS |

|      |      |   |  |      |      |      |       |
|------|------|---|--|------|------|------|-------|
| 2263 | 1263 | 1 | $1/2 e^{\frac{1}{xy\pi^2}} + 1/2 e^{-\frac{1}{xy\pi^2}}$                                     | CDIF | CDIF | CH   | PLUS  |
| 2264 | 1264 | 1 | $1 \left( e^{2\frac{1}{xy\pi^2}} - 1 \right) \left( e^{2\frac{1}{xy\pi^2}} + 1 \right)^{-1}$ | CDIF | CDIF | TH   | PLUS  |
| 2265 | 1265 | 1 | $\frac{y}{x^2\pi^2}$   | CDIF | AB   | AB   | PLUS  |
| 2266 | 1265 | 2 |  | CDIF | ABI  | AB   | MINUS |
| 2267 | 1265 | 3 |  | W    | CDF  | CDIF | MINUS |
| 2268 | 1266 | 1 | $\frac{1}{x^2y\pi^2}$  | CDIF | AB   | AB   | MINUS |
| 2269 | 1266 | 2 |  | CDIF | ABI  | AB   | PLUS  |
| 2270 | 1266 | 3 |  | W    | CDIF | CDIF | MINUS |
| 2271 | 1267 | 1 | $\sqrt{\frac{y}{x\pi}}$  | CDIF | AB   | W    | PLUS  |
| 2272 | 1267 | 2 |  | CDIF | ABI  | W    | MINUS |
| 2273 | 1268 | 1 | $\sqrt{\frac{1}{x\sqrt{y}\pi}}$  | CDIF | AB   | W    | MINUS |
| 2274 | 1268 | 2 |  | CDIF | ABI  | W    | PLUS  |
| 2275 | 1269 | 1 | $\frac{x^2\pi^2}{y}$   | CDIF | AB   | ABI  | PLUS  |
| 2276 | 1269 | 2 |  | CDIF | ABI  | ABI  | MINUS |
| 2277 | 1269 | 3 |  | W    | CDF  | CDF  | MINUS |
| 2278 | 1270 | 1 | $x^2y\pi^2$  | CDIF | AB   | ABI  | MINUS |
| 2279 | 1270 | 2 |  | CDIF | ABI  | ABI  | PLUS  |
| 2280 | 1270 | 3 |  | W    | CDIF | CDF  | MINUS |
| 2281 | 1271 | 1 | $\frac{y^{3/2}}{x^3\pi^3}$   | CDIF | AB   | K    | PLUS  |
| 2282 | 1271 | 2 |  | CDIF | ABI  | K    | MINUS |
| 2283 | 1272 | 1 | $\frac{1}{x^3y^{3/2}\pi^3}$  | CDIF | AB   | K    | MINUS |
| 2284 | 1272 | 2 |  | CDIF | ABI  | K    | PLUS  |
| 2285 | 1273 | 1 | $\frac{x^3\pi^3}{y^{3/2}}$   | CDIF | AB   | KI   | PLUS  |
| 2286 | 1273 | 2 |  | CDIF | ABI  | KI   | MINUS |
| 2287 | 1274 | 1 | $x^3y^{3/2}\pi^3$  | CDIF | AB   | KI   | MINUS |
| 2288 | 1274 | 2 |  | CDIF | ABI  | KI   | PLUS  |
| 2289 | 1275 | 1 | $e^{\frac{\sqrt{y}}{x\pi}}$  | CDIF | AB   | LL   | PLUS  |
| 2290 | 1275 | 2 |  | CDIF | ABI  | LL   | MINUS |
| 2291 | 1276 | 1 | $e^{\frac{1}{x\sqrt{y}\pi}}$   | CDIF | AB   | LL   | MINUS |

|      |      |   |  |      |     |    |       |
|------|------|---|--|------|-----|----|-------|
| 2292 | 1276 | 2 |  | CDIF | ABI | LL | PLUS  |
| 2293 | 1277 | 1 | $LOG\left(\frac{\sqrt{y}}{x\pi}\right)$                          | CDIF | AB  | L  | PLUS  |
| 2294 | 1277 | 2 |  | CDIF | ABI | L  | MINUS |
| 2295 | 1278 | 1 | $LOG\left(\frac{1}{x\sqrt{y\pi}}\right)$                         | CDIF | AB  | L  | MINUS |
| 2296 | 1278 | 2 |  | CDIF | ABI | L  | PLUS  |
| 2297 | 1279 | 1 | $\arcsin\left(\frac{\sqrt{y}}{x\pi}\right)$                      | CDIF | AB  | S  | PLUS  |
| 2298 | 1279 | 2 |  | CDIF | ABI | S  | MINUS |
| 2299 | 1280 | 1 | $\arcsin\left(\frac{1}{x\sqrt{y\pi}}\right)$                     | CDIF | AB  | S  | MINUS |
| 2300 | 1280 | 2 |  | CDIF | ABI | S  | PLUS  |
| 2301 | 1281 | 1 | $\arctan\left(\frac{\sqrt{y}}{x\pi}\right)$                      | CDIF | AB  | T  | PLUS  |
| 2302 | 1281 | 2 |  | CDIF | ABI | T  | MINUS |
| 2303 | 1282 | 1 | $\arctan\left(\frac{1}{x\sqrt{y\pi}}\right)$                     | CDIF | AB  | T  | MINUS |
| 2304 | 1282 | 2 |  | CDIF | ABI | T  | PLUS  |
| 2305 | 1283 | 1 | $\sqrt{\frac{x^2\pi^2-y}{x^2\pi^2}}$                             | CDIF | AB  | P  | PLUS  |
| 2306 | 1283 | 2 |  | CDIF | ABI | P  | MINUS |
| 2307 | 1284 | 1 | $\sqrt{\frac{\pi^2x^2y-1}{\pi^2x^2y}}$                           | CDIF | AB  | P  | MINUS |
| 2308 | 1284 | 2 |  | CDIF | ABI | P  | PLUS  |
| 2309 | 1285 | 1 | $\sqrt{\frac{x^2\pi^2+y}{x^2\pi^2}}$                             | CDIF | AB  | H  | PLUS  |
| 2310 | 1285 | 2 |  | CDIF | ABI | H  | MINUS |
| 2311 | 1286 | 1 | $\sqrt{\frac{\pi^2x^2y+1}{\pi^2x^2y}}$                           | CDIF | AB  | H  | MINUS |
| 2312 | 1286 | 2 |  | CDIF | ABI | H  | PLUS  |
| 2313 | 1287 | 1 | $1/2e^{\frac{\sqrt{y}}{x\pi}} - 1/2e^{-\frac{\sqrt{y}}{x\pi}}$   | CDIF | AB  | SH | PLUS  |
| 2314 | 1287 | 2 |  | CDIF | ABI | SH | MINUS |
| 2315 | 1288 | 1 | $1/2e^{\frac{1}{x\sqrt{y\pi}}} - 1/2e^{-\frac{1}{x\sqrt{y\pi}}}$ | CDIF | AB  | SH | MINUS |
| 2316 | 1288 | 2 |  | CDIF | ABI | SH | PLUS  |
| 2317 | 1289 | 1 | $1/2e^{\frac{\sqrt{y}}{x\pi}} + 1/2e^{-\frac{\sqrt{y}}{x\pi}}$   | CDIF | AB  | CH | PLUS  |
| 2318 | 1289 | 2 |  | CDIF | ABI | CH | MINUS |

|      |      |   |  |      |     |     |       |
|------|------|---|--|------|-----|-----|-------|
| 2319 | 1290 | 1 | $1/2 e^{\frac{1}{x\sqrt{y}\pi}} + 1/2 e^{-\frac{1}{x\sqrt{y}\pi}}$                                     | CDIF | AB  | CH  | MINUS |
| 2320 | 1290 | 2 |  | CDIF | ABI | CH  | PLUS  |
| 2321 | 1291 | 1 | $1 \left( e^{2\frac{\sqrt{y}}{x\pi}} - 1 \right) \left( e^{2\frac{\sqrt{y}}{x\pi}} + 1 \right)^{-1}$   | CDIF | AB  | TH  | PLUS  |
| 2322 | 1291 | 2 |  | CDIF | ABI | TH  | MINUS |
| 2323 | 1292 | 1 | $1 \left( e^{2\frac{1}{x\sqrt{y}\pi}} - 1 \right) \left( e^{2\frac{1}{x\sqrt{y}\pi}} + 1 \right)^{-1}$ | CDIF | AB  | TH  | MINUS |
| 2324 | 1292 | 2 |  | CDIF | ABI | TH  | PLUS  |
| 2325 | 1293 | 1 | $\frac{y^4}{x^2\pi^2}$   | CDIF | W   | AB  | PLUS  |
| 2326 | 1294 | 1 | $\frac{1}{x^2y^4\pi^2}$  | CDIF | W   | AB  | MINUS |
| 2327 | 1295 | 1 | $\sqrt{\frac{y^2}{x\pi}}$  | CDIF | W   | W   | PLUS  |
| 2328 | 1296 | 1 | $\sqrt{\frac{1}{xy^2\pi}}$   | CDIF | W   | W   | MINUS |
| 2329 | 1297 | 1 | $\frac{x^2\pi^2}{y^4}$   | CDIF | W   | ABI | PLUS  |
| 2330 | 1298 | 1 | $x^2y^4\pi^2$  | CDIF | W   | ABI | MINUS |
| 2331 | 1299 | 1 | $\frac{y^6}{x^3\pi^3}$   | CDIF | W   | K   | PLUS  |
| 2332 | 1300 | 1 | $\frac{1}{x^3y^6\pi^3}$  | CDIF | W   | K   | MINUS |
| 2333 | 1301 | 1 | $\frac{x^3\pi^3}{y^6}$   | CDIF | W   | KI  | PLUS  |
| 2334 | 1302 | 1 | $x^3y^6\pi^3$  | CDIF | W   | KI  | MINUS |
| 2335 | 1303 | 1 | $e^{\frac{y^2}{x\pi}}$   | CDIF | W   | LL  | PLUS  |
| 2336 | 1304 | 1 | $e^{\frac{1}{xy^2\pi}}$  | CDIF | W   | LL  | MINUS |
| 2337 | 1305 | 1 | $LOG\left(\frac{y^2}{x\pi}\right)$   | CDIF | W   | L   | PLUS  |
| 2338 | 1306 | 1 | $LOG\left(\frac{1}{xy^2\pi}\right)$  | CDIF | W   | L   | MINUS |
| 2339 | 1307 | 1 | $\arcsin\left(\frac{y^2}{x\pi}\right)$   | CDIF | W   | S   | PLUS  |

|      |      |   |  |      |    |    |       |
|------|------|---|--|------|----|----|-------|
| 2340 | 1308 | 1 | $\arcsin\left(\frac{1}{xy^2\pi}\right)$  | CDIF | W  | S  | MINUS |
| 2341 | 1309 | 1 | $\arctan\left(\frac{y^2}{x\pi}\right)$   | CDIF | W  | T  | PLUS  |
| 2342 | 1310 | 1 | $\arctan\left(\frac{1}{xy^2\pi}\right)$  | CDIF | W  | T  | MINUS |
| 2343 | 1311 | 1 | $\sqrt{\frac{x^2\pi^2-y^4}{x^2\pi^2}}$   | CDIF | W  | P  | PLUS  |
| 2344 | 1312 | 1 | $\sqrt{\frac{x^2y^4\pi^2-1}{x^2y^4\pi^2}}$   | CDIF | W  | P  | MINUS |
| 2345 | 1313 | 1 | $\sqrt{\frac{x^2\pi^2+y^4}{x^2\pi^2}}$   | CDIF | W  | H  | PLUS  |
| 2346 | 1314 | 1 | $\sqrt{\frac{x^2y^4\pi^2+1}{x^2y^4\pi^2}}$   | CDIF | W  | H  | MINUS |
| 2347 | 1315 | 1 | $1/2e^{\frac{y^2}{x\pi}} - 1/2e^{-\frac{y^2}{x\pi}}$                               | CDIF | W  | SH | PLUS  |
| 2348 | 1316 | 1 | $1/2e^{\frac{1}{xy^2\pi}} - 1/2e^{-\frac{1}{xy^2\pi}}$                             | CDIF | W  | SH | MINUS |
| 2349 | 1317 | 1 | $1/2e^{\frac{y^2}{x\pi}} + 1/2e^{-\frac{y^2}{x\pi}}$                               | CDIF | W  | CH | PLUS  |
| 2350 | 1318 | 1 | $1/2e^{\frac{1}{xy^2\pi}} + 1/2e^{-\frac{1}{xy^2\pi}}$                             | CDIF | W  | CH | MINUS |
| 2351 | 1319 | 1 | $1\left(e^2\frac{y^2}{x\pi} - 1\right)\left(e^2\frac{y^2}{x\pi} + 1\right)^{-1}$   | CDIF | W  | TH | PLUS  |
| 2352 | 1320 | 1 | $1\left(e^2\frac{1}{xy^2\pi} - 1\right)\left(e^2\frac{1}{xy^2\pi} + 1\right)^{-1}$ | CDIF | W  | TH | MINUS |
| 2353 | 1321 | 1 | $\frac{y^{2/3}}{x^2\pi^2}$   | CDIF | K  | AB | PLUS  |
| 2354 | 1321 | 2 |  | CDIF | KI | AB | MINUS |
| 2355 | 1322 | 1 | $\frac{1}{x^2y^{2/3}\pi^2}$  | CDIF | K  | AB | MINUS |
| 2356 | 1322 | 2 |  | CDIF | KI | AB | PLUS  |
| 2357 | 1323 | 1 | $\sqrt{\frac{\sqrt[3]{y}}{x\pi}}$  | CDIF | K  | W  | PLUS  |
| 2358 | 1323 | 2 |  | CDIF | KI | W  | MINUS |
| 2359 | 1324 | 1 | $\sqrt{\frac{1}{x\sqrt[3]{y\pi}}}$   | CDIF | K  | W  | MINUS |
| 2360 | 1324 | 2 |  | CDIF | KI | W  | PLUS  |

|      |      |   |   |      |    |     |       |
|------|------|---|---|------|----|-----|-------|
| 2361 | 1325 | 1 | $\frac{x^2\pi^2}{y^{2/3}}$                      | CDIF | K  | ABI | PLUS  |
| 2362 | 1325 | 2 |   | CDIF | KI | ABI | MINUS |
| 2363 | 1326 | 1 | $x^2y^{2/3}\pi^2$                               | CDIF | K  | ABI | MINUS |
| 2364 | 1326 | 2 |   | CDIF | KI | ABI | PLUS  |
| 2365 | 1327 | 1 | $\frac{y}{x^3\pi^3}$                            | CDIF | K  | K   | PLUS  |
| 2366 | 1327 | 2 |   | CDIF | KI | K   | MINUS |
| 2367 | 1328 | 1 | $\frac{1}{x^3y\pi^3}$                           | CDIF | K  | K   | MINUS |
| 2368 | 1328 | 2 |   | CDIF | KI | K   | PLUS  |
| 2369 | 1329 | 1 | $\frac{x^3\pi^3}{y}$                            | CDIF | K  | KI  | PLUS  |
| 2370 | 1329 | 2 |   | CDIF | KI | KI  | MINUS |
| 2371 | 1330 | 1 | $x^3y\pi^3$                                     | CDIF | K  | KI  | MINUS |
| 2372 | 1330 | 2 |   | CDIF | KI | KI  | PLUS  |
| 2373 | 1331 | 1 | $e^{\frac{\sqrt[3]{y}}{x\pi}}$                  | CDIF | K  | LL  | PLUS  |
| 2374 | 1331 | 2 |   | CDIF | KI | LL  | MINUS |
| 2375 | 1332 | 1 | $e^{\frac{1}{x\sqrt[3]{y}\pi}}$                 | CDIF | K  | LL  | MINUS |
| 2376 | 1332 | 2 |   | CDIF | KI | LL  | PLUS  |
| 2377 | 1333 | 1 | $LOG\left(\frac{\sqrt[3]{y}}{x\pi}\right)$      | CDIF | K  | L   | PLUS  |
| 2378 | 1333 | 2 |   | CDIF | KI | L   | MINUS |
| 2379 | 1334 | 1 | $LOG\left(\frac{1}{x\sqrt[3]{y}\pi}\right)$     | CDIF | K  | L   | MINUS |
| 2380 | 1334 | 2 |   | CDIF | KI | L   | PLUS  |
| 2381 | 1335 | 1 | $\arcsin\left(\frac{\sqrt[3]{y}}{x\pi}\right)$  | CDIF | K  | S   | PLUS  |
| 2382 | 1335 | 2 |   | CDIF | KI | S   | MINUS |
| 2383 | 1336 | 1 | $\arcsin\left(\frac{1}{x\sqrt[3]{y}\pi}\right)$ | CDIF | K  | S   | MINUS |
| 2384 | 1336 | 2 |   | CDIF | KI | S   | PLUS  |
| 2385 | 1337 | 1 | $\arctan\left(\frac{\sqrt[3]{y}}{x\pi}\right)$  | CDIF | K  | T   | PLUS  |
| 2386 | 1337 | 2 |   | CDIF | KI | T   | MINUS |
| 2387 | 1338 | 1 | $\arctan\left(\frac{1}{x\sqrt[3]{y}\pi}\right)$ | CDIF | K  | T   | MINUS |
| 2388 | 1338 | 2 |   | CDIF | KI | T   | PLUS  |

|      |      |   |  |      |    |    |       |
|------|------|---|--|------|----|----|-------|
| 2389 | 1339 | 1 | $\sqrt{-\frac{x^2\pi^2+y^{2/3}}{x^2\pi^2}}$  | CDIF | K  | P  | PLUS  |
| 2390 | 1339 | 2 |  | CDIF | KI | P  | MINUS |
| 2391 | 1340 | 1 | $\sqrt{\frac{x^2y^{2/3}\pi^2-1}{x^2y^{2/3}\pi^2}}$   | CDIF | K  | P  | MINUS |
| 2392 | 1340 | 2 |  | CDIF | KI | P  | PLUS  |
| 2393 | 1341 | 1 | $\sqrt{\frac{x^2\pi^2+y^{2/3}}{x^2\pi^2}}$   | CDIF | K  | H  | PLUS  |
| 2394 | 1341 | 2 |  | CDIF | KI | H  | MINUS |
| 2395 | 1342 | 1 | $\sqrt{\frac{x^2y^{2/3}\pi^2+1}{x^2y^{2/3}\pi^2}}$   | CDIF | K  | H  | MINUS |
| 2396 | 1342 | 2 |  | CDIF | KI | H  | PLUS  |
| 2397 | 1343 | 1 | $1/2 e^{\frac{\sqrt[3]{y}}{x\pi}} - 1/2 e^{-\frac{\sqrt[3]{y}}{x\pi}}$                                       | CDIF | K  | SH | PLUS  |
| 2398 | 1343 | 2 |  | CDIF | KI | SH | MINUS |
| 2399 | 1344 | 1 | $1/2 e^{\frac{1}{x\sqrt[3]{y}\pi}} - 1/2 e^{-\frac{1}{x\sqrt[3]{y}\pi}}$                                     | CDIF | K  | SH | MINUS |
| 2400 | 1344 | 2 |  | CDIF | KI | SH | PLUS  |
| 2401 | 1345 | 1 | $1/2 e^{\frac{\sqrt[3]{y}}{x\pi}} + 1/2 e^{-\frac{\sqrt[3]{y}}{x\pi}}$                                       | CDIF | K  | CH | PLUS  |
| 2402 | 1345 | 2 |  | CDIF | KI | CH | MINUS |
| 2403 | 1346 | 1 | $1/2 e^{\frac{1}{x\sqrt[3]{y}\pi}} + 1/2 e^{-\frac{1}{x\sqrt[3]{y}\pi}}$                                     | CDIF | K  | CH | MINUS |
| 2404 | 1346 | 2 |  | CDIF | KI | CH | PLUS  |
| 2405 | 1347 | 1 | $1 \left( e^{2\frac{\sqrt[3]{y}}{x\pi}} - 1 \right) \left( e^{2\frac{\sqrt[3]{y}}{x\pi}} + 1 \right)^{-1}$   | CDIF | K  | TH | PLUS  |
| 2406 | 1347 | 2 |  | CDIF | KI | TH | MINUS |
| 2407 | 1348 | 1 | $1 \left( e^{2\frac{1}{x\sqrt[3]{y}\pi}} - 1 \right) \left( e^{2\frac{1}{x\sqrt[3]{y}\pi}} + 1 \right)^{-1}$ | CDIF | K  | TH | MINUS |
| 2408 | 1348 | 2 |  | CDIF | KI | TH | PLUS  |
| 2409 | 1349 | 1 | $\frac{(\ln(y))^2}{x^2\pi^2}$  | CDIF | LL | AB | PLUS  |
| 2410 | 1350 | 1 | $\frac{1}{x^2(\ln(y))^2\pi^2}$   | CDIF | LL | AB | MINUS |
| 2411 | 1351 | 1 | $\sqrt{\frac{\ln(y)}{x\pi}}$   | CDIF | LL | W  | PLUS  |
| 2412 | 1352 | 1 | $\sqrt{\frac{1}{x\ln(y)\pi}}$  | CDIF | LL | W  | MINUS |



|      |      |   |  |      |    |     |       |
|------|------|---|--|------|----|-----|-------|
| 2413 | 1353 | 1 | $\frac{x^2 \pi^2}{(\ln(y))^2}$                                     | CDIF | LL | ABI | PLUS  |
| 2414 | 1354 | 1 | $x^2 (\ln(y))^2 \pi^2$   | CDIF | LL | ABI | MINUS |
| 2415 | 1355 | 1 | $\frac{(\ln(y))^3}{x^3 \pi^3}$                                     | CDIF | LL | K   | PLUS  |
| 2416 | 1356 | 1 | $\frac{1}{x^3 (\ln(y))^3 \pi^3}$                                   | CDIF | LL | K   | MINUS |
| 2417 | 1357 | 1 | $\frac{x^3 \pi^3}{(\ln(y))^3}$                                     | CDIF | LL | KI  | PLUS  |
| 2418 | 1358 | 1 | $x^3 (\ln(y))^3 \pi^3$   | CDIF | LL | KI  | MINUS |
| 2419 | 1359 | 1 | $y^{\frac{1}{x\pi}}$   | CDIF | LL | LL  | PLUS  |
| 2420 | 1360 | 1 | $e^{\frac{1}{x \ln(y) \pi}}$                                       | CDIF | LL | LL  | MINUS |
| 2421 | 1361 | 1 | $LOG\left(\frac{\ln(y)}{x\pi}\right)$                              | CDIF | LL | L   | PLUS  |
| 2422 | 1362 | 1 | $LOG\left(\frac{1}{x \ln(y) \pi}\right)$                           | CDIF | LL | L   | MINUS |
| 2423 | 1363 | 1 | $\arcsin\left(\frac{\ln(y)}{x\pi}\right)$                          | CDIF | LL | S   | PLUS  |
| 2424 | 1364 | 1 | $\arcsin\left(\frac{1}{x \ln(y) \pi}\right)$                       | CDIF | LL | S   | MINUS |
| 2425 | 1365 | 1 | $\arctan\left(\frac{\ln(y)}{x\pi}\right)$                          | CDIF | LL | T   | PLUS  |
| 2426 | 1366 | 1 | $\arctan\left(\frac{1}{x \ln(y) \pi}\right)$                       | CDIF | LL | T   | MINUS |
| 2427 | 1367 | 1 | $\sqrt{-\frac{x^2 \pi^2 + (\ln(y))^2}{x^2 \pi^2}}$                 | CDIF | LL | P   | PLUS  |
| 2428 | 1368 | 1 | $\sqrt{\frac{x^2 (\ln(y))^2 \pi^2 - 1}{x^2 (\ln(y))^2 \pi^2}}$     | CDIF | LL | P   | MINUS |
| 2429 | 1369 | 1 | $\sqrt{\frac{x^2 \pi^2 + (\ln(y))^2}{x^2 \pi^2}}$                  | CDIF | LL | H   | PLUS  |
| 2430 | 1370 | 1 | $\sqrt{\frac{x^2 (\ln(y))^2 \pi^2 + 1}{x^2 (\ln(y))^2 \pi^2}}$     | CDIF | LL | H   | MINUS |
| 2431 | 1371 | 1 | $1/2 y^{\frac{1}{x\pi}} - 1/2 y^{-\frac{1}{x\pi}}$                 | CDIF | LL | SH  | PLUS  |
| 2432 | 1372 | 1 | $1/2 e^{\frac{1}{x \ln(y) \pi}} - 1/2 e^{-\frac{1}{x \ln(y) \pi}}$ | CDIF | LL | SH  | MINUS |

|      |      |   |  |      |    |     |       |
|------|------|---|--|------|----|-----|-------|
| 2433 | 1373 | 1 | $1/2 y^{\frac{1}{x\pi}} + 1/2 y^{-\frac{1}{x\pi}}$   | CDIF | LL | CH  | PLUS  |
| 2434 | 1374 | 1 | $1/2 e^{\frac{1}{x \ln(y)\pi}} + 1/2 e^{-\frac{1}{x \ln(y)\pi}}$                                       | CDIF | LL | CH  | MINUS |
| 2435 | 1375 | 1 | $1 \left( y^{2 \frac{1}{x\pi}} - 1 \right) \left( y^{2 \frac{1}{x\pi}} + 1 \right)^{-1}$               | CDIF | LL | TH  | PLUS  |
| 2436 | 1376 | 1 | $1 \left( e^{2 \frac{1}{x \ln(y)\pi}} - 1 \right) \left( e^{2 \frac{1}{x \ln(y)\pi}} + 1 \right)^{-1}$ | CDIF | LL | TH  | MINUS |
| 2437 | 1377 | 1 | $\frac{(EXP(y))^2}{x^2 \pi^2}$   | CDIF | L  | AB  | PLUS  |
| 2438 | 1378 | 1 | $\frac{1}{x^2 (EXP(y))^2 \pi^2}$   | CDIF | L  | AB  | MINUS |
| 2439 | 1379 | 1 | $\sqrt{\frac{EXP(y)}{x\pi}}$   | CDIF | L  | W   | PLUS  |
| 2440 | 1380 | 1 | $\sqrt{\frac{1}{x EXP(y)\pi}}$   | CDIF | L  | W   | MINUS |
| 2441 | 1381 | 1 | $\frac{x^2 \pi^2}{(EXP(y))^2}$   | CDIF | L  | ABI | PLUS  |
| 2442 | 1382 | 1 | $x^2 (EXP(y))^2 \pi^2$   | CDIF | L  | ABI | MINUS |
| 2443 | 1383 | 1 | $\frac{(EXP(y))^3}{x^3 \pi^3}$   | CDIF | L  | K   | PLUS  |
| 2444 | 1384 | 1 | $\frac{1}{x^3 (EXP(y))^3 \pi^3}$   | CDIF | L  | K   | MINUS |
| 2445 | 1385 | 1 | $\frac{x^3 \pi^3}{(EXP(y))^3}$   | CDIF | L  | KI  | PLUS  |
| 2446 | 1386 | 1 | $x^3 (EXP(y))^3 \pi^3$   | CDIF | L  | KI  | MINUS |
| 2447 | 1387 | 1 | $e^{\frac{EXP(y)}{x\pi}}$  | CDIF | L  | LL  | PLUS  |
| 2448 | 1388 | 1 | $e^{\frac{1}{x EXP(y)\pi}}$  | CDIF | L  | LL  | MINUS |
| 2449 | 1389 | 1 | $LOG \left( \frac{EXP(y)}{x\pi} \right)$   | CDIF | L  | L   | PLUS  |
| 2450 | 1390 | 1 | $LOG \left( \frac{1}{x EXP(y)\pi} \right)$   | CDIF | L  | L   | MINUS |
| 2451 | 1391 | 1 | $\arcsin \left( \frac{EXP(y)}{x\pi} \right)$   | CDIF | L  | S   | PLUS  |

|      |      |   |  |      |   |     |       |
|------|------|---|--|------|---|-----|-------|
| 2452 | 1392 | 1 | $\arcsin\left(\frac{1}{xEXP(y)\pi}\right)$   | CDIF | L | S   | MINUS |
| 2453 | 1393 | 1 | $\arctan\left(\frac{EXP(y)}{x\pi}\right)$  | CDIF | L | T   | PLUS  |
| 2454 | 1394 | 1 | $\arctan\left(\frac{1}{xEXP(y)\pi}\right)$   | CDIF | L | T   | MINUS |
| 2455 | 1395 | 1 | $\sqrt{-\frac{x^2\pi^2+(EXP(y))^2}{x^2\pi^2}}$   | CDIF | L | P   | PLUS  |
| 2456 | 1396 | 1 | $\sqrt{\frac{x^2(EXP(y))^2\pi^2-1}{x^2(EXP(y))^2\pi^2}}$                                 | CDIF | L | P   | MINUS |
| 2457 | 1397 | 1 | $\sqrt{\frac{x^2\pi^2+(EXP(y))^2}{x^2\pi^2}}$  | CDIF | L | H   | PLUS  |
| 2458 | 1398 | 1 | $\sqrt{\frac{x^2(EXP(y))^2\pi^2+1}{x^2(EXP(y))^2\pi^2}}$                                 | CDIF | L | H   | MINUS |
| 2459 | 1399 | 1 | $1/2e^{\frac{EXP(y)}{x\pi}} - 1/2e^{-\frac{EXP(y)}{x\pi}}$                               | CDIF | L | SH  | PLUS  |
| 2460 | 1400 | 1 | $1/2e^{\frac{1}{xEXP(y)\pi}} - 1/2e^{-\frac{1}{xEXP(y)\pi}}$                             | CDIF | L | SH  | MINUS |
| 2461 | 1401 | 1 | $1/2e^{\frac{EXP(y)}{x\pi}} + 1/2e^{-\frac{EXP(y)}{x\pi}}$                               | CDIF | L | CH  | PLUS  |
| 2462 | 1402 | 1 | $1/2e^{\frac{1}{xEXP(y)\pi}} + 1/2e^{-\frac{1}{xEXP(y)\pi}}$                             | CDIF | L | CH  | MINUS |
| 2463 | 1403 | 1 | $1\left(e^2\frac{EXP(y)}{x\pi} - 1\right)\left(e^2\frac{EXP(y)}{x\pi} + 1\right)^{-1}$   | CDIF | L | TH  | PLUS  |
| 2464 | 1404 | 1 | $1\left(e^2\frac{1}{xEXP(y)\pi} - 1\right)\left(e^2\frac{1}{xEXP(y)\pi} + 1\right)^{-1}$ | CDIF | L | TH  | MINUS |
| 2465 | 1405 | 1 | $\frac{(\sin(y))^2}{x^2\pi^2}$   | CDIF | S | AB  | PLUS  |
| 2466 | 1406 | 1 | $\frac{1}{x^2(\sin(y))^2\pi^2}$  | CDIF | S | AB  | MINUS |
| 2467 | 1407 | 1 | $\sqrt{\frac{\sin(y)}{x\pi}}$  | CDIF | S | W   | PLUS  |
| 2468 | 1408 | 1 | $\sqrt{\frac{1}{x\sin(y)\pi}}$   | CDIF | S | W   | MINUS |
| 2469 | 1409 | 1 | $\frac{x^2\pi^2}{(\sin(y))^2}$   | CDIF | S | ABI | PLUS  |
| 2470 | 1410 | 1 | $x^2(\sin(y))^2\pi^2$  | CDIF | S | ABI | MINUS |

|      |      |   |  |      |   |    |       |
|------|------|---|--|------|---|----|-------|
| 2471 | 1411 | 1 | $\frac{(\sin(y))^3}{x^3 \pi^3}$                                      | CDIF | S | K  | PLUS  |
| 2472 | 1412 | 1 | $\frac{1}{x^3 (\sin(y))^3 \pi^3}$                                    | CDIF | S | K  | MINUS |
| 2473 | 1413 | 1 | $\frac{x^3 \pi^3}{(\sin(y))^3}$                                      | CDIF | S | KI | PLUS  |
| 2474 | 1414 | 1 | $x^3 (\sin(y))^3 \pi^3$  | CDIF | S | KI | MINUS |
| 2475 | 1415 | 1 | $e^{\frac{\sin(y)}{x \pi}}$  | CDIF | S | LL | PLUS  |
| 2476 | 1416 | 1 | $e^{\frac{1}{x \sin(y) \pi}}$  | CDIF | S | LL | MINUS |
| 2477 | 1417 | 1 | $LOG\left(\frac{\sin(y)}{x \pi}\right)$                              | CDIF | S | L  | PLUS  |
| 2478 | 1418 | 1 | $LOG\left(\frac{1}{x \sin(y) \pi}\right)$                            | CDIF | S | L  | MINUS |
| 2479 | 1419 | 1 | $\arcsin\left(\frac{\sin(y)}{x \pi}\right)$                          | CDIF | S | S  | PLUS  |
| 2480 | 1420 | 1 | $\arcsin\left(\frac{1}{x \sin(y) \pi}\right)$                        | CDIF | S | S  | MINUS |
| 2481 | 1421 | 1 | $\arctan\left(\frac{\sin(y)}{x \pi}\right)$                          | CDIF | S | T  | PLUS  |
| 2482 | 1422 | 1 | $\arctan\left(\frac{1}{x \sin(y) \pi}\right)$                        | CDIF | S | T  | MINUS |
| 2483 | 1423 | 1 | $\sqrt{\frac{x^2 \pi^2 + (\cos(y))^2 - 1}{x^2 \pi^2}}$               | CDIF | S | P  | PLUS  |
| 2484 | 1424 | 1 | $\sqrt{\frac{x^2 (\sin(y))^2 \pi^2 - 1}{x^2 (\sin(y))^2 \pi^2}}$     | CDIF | S | P  | MINUS |
| 2485 | 1425 | 1 | $\sqrt{-\frac{x^2 \pi^2 + (\cos(y))^2 - 1}{x^2 \pi^2}}$              | CDIF | S | H  | PLUS  |
| 2486 | 1426 | 1 | $\sqrt{\frac{x^2 (\sin(y))^2 \pi^2 + 1}{x^2 (\sin(y))^2 \pi^2}}$     | CDIF | S | H  | MINUS |
| 2487 | 1427 | 1 | $1/2 e^{\frac{\sin(y)}{x \pi}} - 1/2 e^{-\frac{\sin(y)}{x \pi}}$     | CDIF | S | SH | PLUS  |
| 2488 | 1428 | 1 | $1/2 e^{\frac{1}{x \sin(y) \pi}} - 1/2 e^{-\frac{1}{x \sin(y) \pi}}$ | CDIF | S | SH | MINUS |
| 2489 | 1429 | 1 | $1/2 e^{\frac{\sin(y)}{x \pi}} + 1/2 e^{-\frac{\sin(y)}{x \pi}}$     | CDIF | S | CH | PLUS  |

|      |      |   |  |      |   |     |       |
|------|------|---|--|------|---|-----|-------|
| 2490 | 1430 | 1 | $1/2 e^{\frac{1}{x \sin(y) \pi}} + 1/2 e^{-\frac{1}{x \sin(y) \pi}}$                                       | CDIF | S | CH  | MINUS |
| 2491 | 1431 | 1 | $1 \left( e^{2 \frac{\sin(y)}{x \pi}} - 1 \right) \left( e^{2 \frac{\sin(y)}{x \pi}} + 1 \right)^{-1}$     | CDIF | S | TH  | PLUS  |
| 2492 | 1432 | 1 | $1 \left( e^{2 \frac{1}{x \sin(y) \pi}} - 1 \right) \left( e^{2 \frac{1}{x \sin(y) \pi}} + 1 \right)^{-1}$ | CDIF | S | TH  | MINUS |
| 2493 | 1433 | 1 | $\frac{(\tan(y))^2}{x^2 \pi^2}$  | CDIF | T | AB  | PLUS  |
| 2494 | 1434 | 1 | $\frac{1}{x^2 (\tan(y))^2 \pi^2}$  | CDIF | T | AB  | MINUS |
| 2495 | 1435 | 1 | $\sqrt{\frac{\tan(y)}{x \pi}}$   | CDIF | T | W   | PLUS  |
| 2496 | 1436 | 1 | $\sqrt{\frac{1}{x \tan(y) \pi}}$   | CDIF | T | W   | MINUS |
| 2497 | 1437 | 1 | $\frac{x^2 \pi^2}{(\tan(y))^2}$  | CDIF | T | ABI | PLUS  |
| 2498 | 1438 | 1 | $x^2 (\tan(y))^2 \pi^2$  | CDIF | T | ABI | MINUS |
| 2499 | 1439 | 1 | $\frac{(\tan(y))^3}{x^3 \pi^3}$  | CDIF | T | K   | PLUS  |
| 2500 | 1440 | 1 | $\frac{1}{x^3 (\tan(y))^3 \pi^3}$  | CDIF | T | K   | MINUS |
| 2501 | 1441 | 1 | $\frac{x^3 \pi^3}{(\tan(y))^3}$  | CDIF | T | KI  | PLUS  |
| 2502 | 1442 | 1 | $x^3 (\tan(y))^3 \pi^3$  | CDIF | T | KI  | MINUS |
| 2503 | 1443 | 1 | $e^{\frac{\tan(y)}{x \pi}}$  | CDIF | T | LL  | PLUS  |
| 2504 | 1444 | 1 | $e^{\frac{1}{x \tan(y) \pi}}$  | CDIF | T | LL  | MINUS |
| 2505 | 1445 | 1 | $LOG \left( \frac{\tan(y)}{x \pi} \right)$   | CDIF | T | L   | PLUS  |
| 2506 | 1446 | 1 | $LOG \left( \frac{1}{x \tan(y) \pi} \right)$   | CDIF | T | L   | MINUS |
| 2507 | 1447 | 1 | $\arcsin \left( \frac{\tan(y)}{x \pi} \right)$   | CDIF | T | S   | PLUS  |
| 2508 | 1448 | 1 | $\arcsin \left( \frac{1}{x \tan(y) \pi} \right)$   | CDIF | T | S   | MINUS |
| 2509 | 1449 | 1 | $\arctan \left( \frac{\tan(y)}{x \pi} \right)$   | CDIF | T | T   | PLUS  |

|      |      |   |  |      |   |     |       |
|------|------|---|--|------|---|-----|-------|
| 2510 | 1450 | 1 | $\arctan\left(\frac{1}{x \tan(y) \pi}\right)$  | CDIF | T | T   | MINUS |
| 2511 | 1451 | 1 | $\sqrt{\frac{(\cos(y))^2 \pi^2 x^2 + (\cos(y))^2 - 1}{(\cos(y))^2 \pi^2 x^2}}$                             | CDIF | T | P   | PLUS  |
| 2512 | 1452 | 1 | $\sqrt{\frac{x^2 (\tan(y))^2 \pi^2 - 1}{x^2 (\tan(y))^2 \pi^2}}$   | CDIF | T | P   | MINUS |
| 2513 | 1453 | 1 | $\sqrt{\frac{(\cos(y))^2 \pi^2 x^2 - (\cos(y))^2 + 1}{(\cos(y))^2 \pi^2 x^2}}$                             | CDIF | T | H   | PLUS  |
| 2514 | 1454 | 1 | $\sqrt{\frac{x^2 (\tan(y))^2 \pi^2 + 1}{x^2 (\tan(y))^2 \pi^2}}$   | CDIF | T | H   | MINUS |
| 2515 | 1455 | 1 | $1/2 e^{\frac{\tan(y)}{x \pi}} - 1/2 e^{-\frac{\tan(y)}{x \pi}}$   | CDIF | T | SH  | PLUS  |
| 2516 | 1456 | 1 | $1/2 e^{\frac{1}{x \tan(y) \pi}} - 1/2 e^{-\frac{1}{x \tan(y) \pi}}$                                       | CDIF | T | SH  | MINUS |
| 2517 | 1457 | 1 | $1/2 e^{\frac{\tan(y)}{x \pi}} + 1/2 e^{-\frac{\tan(y)}{x \pi}}$   | CDIF | T | CH  | PLUS  |
| 2518 | 1458 | 1 | $1/2 e^{\frac{1}{x \tan(y) \pi}} + 1/2 e^{-\frac{1}{x \tan(y) \pi}}$                                       | CDIF | T | CH  | MINUS |
| 2519 | 1459 | 1 | $1 \left( e^{2 \frac{\tan(y)}{x \pi}} - 1 \right) \left( e^{2 \frac{\tan(y)}{x \pi}} + 1 \right)^{-1}$     | CDIF | T | TH  | PLUS  |
| 2520 | 1460 | 1 | $1 \left( e^{2 \frac{1}{x \tan(y) \pi}} - 1 \right) \left( e^{2 \frac{1}{x \tan(y) \pi}} + 1 \right)^{-1}$ | CDIF | T | TH  | MINUS |
| 2521 | 1461 | 1 | $\frac{-y^2 + 1}{x^2 \pi^2}$   | CDIF | P | AB  | PLUS  |
| 2522 | 1462 | 1 | $-\frac{1}{x^2 (y^2 - 1) \pi^2}$   | CDIF | P | AB  | MINUS |
| 2523 | 1463 | 1 | $\sqrt{\frac{\sqrt{-y^2 + 1}}{x \pi}}$   | CDIF | P | W   | PLUS  |
| 2524 | 1464 | 1 | $\sqrt{\frac{1}{x \sqrt{-y^2 + 1} \pi}}$   | CDIF | P | W   | MINUS |
| 2525 | 1465 | 1 | $-\frac{x^2 \pi^2}{y^2 - 1}$   | CDIF | P | ABI | PLUS  |
| 2526 | 1466 | 1 | $x^2 (-y^2 + 1) \pi^2$   | CDIF | P | ABI | MINUS |
| 2527 | 1467 | 1 | $\frac{(-y^2 + 1)^{3/2}}{x^3 \pi^3}$   | CDIF | P | K   | PLUS  |
| 2528 | 1468 | 1 | $\frac{1}{x^3 (-y^2 + 1)^{3/2} \pi^3}$   | CDIF | P | K   | MINUS |

|      |      |   |  |      |   |    |       |
|------|------|---|--|------|---|----|-------|
| 2529 | 1469 | 1 | $\frac{x^3 \pi^3}{(-y^2+1)^{3/2}}$   | CDIF | P | KI | PLUS  |
| 2530 | 1470 | 1 | $x^3 (-y^2+1)^{3/2} \pi^3$   | CDIF | P | KI | MINUS |
| 2531 | 1471 | 1 | $e^{\frac{\sqrt{-y^2+1}}{x\pi}}$   | CDIF | P | LL | PLUS  |
| 2532 | 1472 | 1 | $e^{\frac{1}{x\sqrt{-y^2+1}\pi}}$  | CDIF | P | LL | MINUS |
| 2533 | 1473 | 1 | $LOG\left(\frac{\sqrt{-y^2+1}}{x\pi}\right)$                               | CDIF | P | L  | PLUS  |
| 2534 | 1474 | 1 | $LOG\left(\frac{1}{x\sqrt{-y^2+1}\pi}\right)$                              | CDIF | P | L  | MINUS |
| 2535 | 1475 | 1 | $\arcsin\left(\frac{\sqrt{-y^2+1}}{x\pi}\right)$                           | CDIF | P | S  | PLUS  |
| 2536 | 1476 | 1 | $\arcsin\left(\frac{1}{x\sqrt{-y^2+1}\pi}\right)$                          | CDIF | P | S  | MINUS |
| 2537 | 1477 | 1 | $\arctan\left(\frac{\sqrt{-y^2+1}}{x\pi}\right)$                           | CDIF | P | T  | PLUS  |
| 2538 | 1478 | 1 | $\arctan\left(\frac{1}{x\sqrt{-y^2+1}\pi}\right)$                          | CDIF | P | T  | MINUS |
| 2539 | 1479 | 1 | $\sqrt{\frac{x^2\pi^2+y^2-1}{x^2\pi^2}}$                                   | CDIF | P | P  | PLUS  |
| 2540 | 1479 | 2 |  | CDIF | H | H  | PLUS  |
| 2541 | 1480 | 1 | $\sqrt{\frac{\pi^2 x^2 y^2 - x^2 \pi^2 + 1}{x^2 (y^2 - 1) \pi^2}}$         | CDIF | P | P  | MINUS |
| 2542 | 1480 | 2 |  | CDIF | H | H  | MINUS |
| 2543 | 1481 | 1 | $\sqrt{\frac{x^2 \pi^2 - y^2 + 1}{x^2 \pi^2}}$                             | CDIF | P | H  | PLUS  |
| 2544 | 1481 | 2 |  | CDIF | H | P  | PLUS  |
| 2545 | 1482 | 1 | $\sqrt{\frac{\pi^2 x^2 y^2 - x^2 \pi^2 - 1}{x^2 (y^2 - 1) \pi^2}}$         | CDIF | P | H  | MINUS |
| 2546 | 1482 | 2 |  | CDIF | H | P  | MINUS |
| 2547 | 1483 | 1 | $1/2 e^{\frac{\sqrt{-y^2+1}}{x\pi}} - 1/2 e^{-\frac{\sqrt{-y^2+1}}{x\pi}}$ | CDIF | P | SH | PLUS  |

|      |      |   |  |      |   |     |       |
|------|------|---|--|------|---|-----|-------|
| 2548 | 1484 | 1 | $1/2 e^{\frac{1}{x\sqrt{-y^2+1}\pi}} - 1/2 e^{-\frac{1}{x\sqrt{-y^2+1}\pi}}$                                     | CDIF | P | SH  | MINUS |
| 2549 | 1485 | 1 | $1/2 e^{\frac{\sqrt{-y^2+1}}{x\pi}} + 1/2 e^{-\frac{\sqrt{-y^2+1}}{x\pi}}$                                       | CDIF | P | CH  | PLUS  |
| 2550 | 1486 | 1 | $1/2 e^{\frac{1}{x\sqrt{-y^2+1}\pi}} + 1/2 e^{-\frac{1}{x\sqrt{-y^2+1}\pi}}$                                     | CDIF | P | CH  | MINUS |
| 2551 | 1487 | 1 | $1 \left( e^{2\frac{\sqrt{-y^2+1}}{x\pi}} - 1 \right) \left( e^{2\frac{\sqrt{-y^2+1}}{x\pi}} + 1 \right)^{-1}$   | CDIF | P | TH  | PLUS  |
| 2552 | 1488 | 1 | $1 \left( e^{2\frac{1}{x\sqrt{-y^2+1}\pi}} - 1 \right) \left( e^{2\frac{1}{x\sqrt{-y^2+1}\pi}} + 1 \right)^{-1}$ | CDIF | P | TH  | MINUS |
| 2553 | 1489 | 1 | $\frac{y^2-1}{x^2\pi^2}$   | CDIF | H | AB  | PLUS  |
| 2554 | 1490 | 1 | $\frac{1}{x^2(y^2-1)\pi^2}$  | CDIF | H | AB  | MINUS |
| 2555 | 1491 | 1 | $\sqrt{\frac{\sqrt{y^2-1}}{x\pi}}$   | CDIF | H | W   | PLUS  |
| 2556 | 1492 | 1 | $\sqrt{\frac{1}{x\sqrt{y^2-1}\pi}}$  | CDIF | H | W   | MINUS |
| 2557 | 1493 | 1 | $\frac{x^2\pi^2}{y^2-1}$   | CDIF | H | ABI | PLUS  |
| 2558 | 1494 | 1 | $x^2 (y^2 - 1) \pi^2$  | CDIF | H | ABI | MINUS |
| 2559 | 1495 | 1 | $\frac{(y^2-1)^{3/2}}{x^3\pi^3}$   | CDIF | H | K   | PLUS  |
| 2560 | 1496 | 1 | $\frac{1}{x^3(y^2-1)^{3/2}\pi^3}$  | CDIF | H | K   | MINUS |
| 2561 | 1497 | 1 | $\frac{x^3\pi^3}{(y^2-1)^{3/2}}$   | CDIF | H | KI  | PLUS  |
| 2562 | 1498 | 1 | $x^3 (y^2 - 1)^{3/2} \pi^3$  | CDIF | H | KI  | MINUS |
| 2563 | 1499 | 1 | $e^{\frac{\sqrt{y^2-1}}{x\pi}}$  | CDIF | H | LL  | PLUS  |
| 2564 | 1500 | 1 | $e^{\frac{1}{x\sqrt{y^2-1}\pi}}$   | CDIF | H | LL  | MINUS |
| 2565 | 1501 | 1 | $LOG \left( \frac{\sqrt{y^2-1}}{x\pi} \right)$   | CDIF | H | L   | PLUS  |



|      |      |   |  |      |    |     |       |
|------|------|---|--|------|----|-----|-------|
| 2566 | 1502 | 1 | $LOG\left(\frac{1}{x\sqrt{y^2-1}\pi}\right)$   | CDIF | H  | L   | MINUS |
| 2567 | 1503 | 1 | $\arcsin\left(\frac{\sqrt{y^2-1}}{x\pi}\right)$  | CDIF | H  | S   | PLUS  |
| 2568 | 1504 | 1 | $\arcsin\left(\frac{1}{x\sqrt{y^2-1}\pi}\right)$   | CDIF | H  | S   | MINUS |
| 2569 | 1505 | 1 | $\arctan\left(\frac{\sqrt{y^2-1}}{x\pi}\right)$  | CDIF | H  | T   | PLUS  |
| 2570 | 1506 | 1 | $\arctan\left(\frac{1}{x\sqrt{y^2-1}\pi}\right)$   | CDIF | H  | T   | MINUS |
| 2571 | 1507 | 1 | $1/2e^{\frac{\sqrt{y^2-1}}{x\pi}} - 1/2e^{-\frac{\sqrt{y^2-1}}{x\pi}}$                                   | CDIF | H  | SH  | PLUS  |
| 2572 | 1508 | 1 | $1/2e^{\frac{1}{x\sqrt{y^2-1}\pi}} - 1/2e^{-\frac{1}{x\sqrt{y^2-1}\pi}}$                                 | CDIF | H  | SH  | MINUS |
| 2573 | 1509 | 1 | $1/2e^{\frac{\sqrt{y^2-1}}{x\pi}} + 1/2e^{-\frac{\sqrt{y^2-1}}{x\pi}}$                                   | CDIF | H  | CH  | PLUS  |
| 2574 | 1510 | 1 | $1/2e^{\frac{1}{x\sqrt{y^2-1}\pi}} + 1/2e^{-\frac{1}{x\sqrt{y^2-1}\pi}}$                                 | CDIF | H  | CH  | MINUS |
| 2575 | 1511 | 1 | $1\left(e^{2\frac{\sqrt{y^2-1}}{x\pi}} - 1\right)\left(e^{2\frac{\sqrt{y^2-1}}{x\pi}} + 1\right)^{-1}$   | CDIF | H  | TH  | PLUS  |
| 2576 | 1512 | 1 | $1\left(e^{2\frac{1}{x\sqrt{y^2-1}\pi}} - 1\right)\left(e^{2\frac{1}{x\sqrt{y^2-1}\pi}} + 1\right)^{-1}$ | CDIF | H  | TH  | MINUS |
| 2577 | 1513 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}{x^2\pi^2}$   | CDIF | SH | AB  | PLUS  |
| 2578 | 1514 | 1 | $\frac{1}{x^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\pi^2}$  | CDIF | SH | AB  | MINUS |
| 2579 | 1515 | 1 | $\sqrt{\frac{\ln\left(y+\sqrt{y^2+1}\right)}{x\pi}}$   | CDIF | SH | W   | PLUS  |
| 2580 | 1516 | 1 | $\sqrt{\frac{1}{x\ln\left(y+\sqrt{y^2+1}\right)\pi}}$  | CDIF | SH | W   | MINUS |
| 2581 | 1517 | 1 | $\frac{x^2\pi^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}$   | CDIF | SH | ABI | PLUS  |

|      |      |   |  |      |    |     |       |
|------|------|---|--|------|----|-----|-------|
| 2582 | 1518 | 1 | $x^2 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2 \pi^2$   | CDIF | SH | ABI | MINUS |
| 2583 | 1519 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^3}{x^3 \pi^3}$   | CDIF | SH | K   | PLUS  |
| 2584 | 1520 | 1 | $\frac{1}{x^3 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^3 \pi^3}$   | CDIF | SH | K   | MINUS |
| 2585 | 1521 | 1 | $\frac{x^3 \pi^3}{\left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^3}$   | CDIF | SH | KI  | PLUS  |
| 2586 | 1522 | 1 | $x^3 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^3 \pi^3$   | CDIF | SH | KI  | MINUS |
| 2587 | 1523 | 1 | $\left( y + \sqrt{y^2 + 1} \right)^{\frac{1}{x\pi}}$   | CDIF | SH | LL  | PLUS  |
| 2588 | 1524 | 1 | $e^{\frac{1}{x \ln \left( y + \sqrt{y^2 + 1} \right) \pi}}$  | CDIF | SH | LL  | MINUS |
| 2589 | 1525 | 1 | $LOG \left( \frac{\ln \left( y + \sqrt{y^2 + 1} \right)}{x\pi} \right)$  | CDIF | SH | L   | PLUS  |
| 2590 | 1526 | 1 | $LOG \left( \frac{1}{x \ln \left( y + \sqrt{y^2 + 1} \right) \pi} \right)$   | CDIF | SH | L   | MINUS |
| 2591 | 1527 | 1 | $\arcsin \left( \frac{\ln \left( y + \sqrt{y^2 + 1} \right)}{x\pi} \right)$  | CDIF | SH | S   | PLUS  |
| 2592 | 1528 | 1 | $\arcsin \left( \frac{1}{x \ln \left( y + \sqrt{y^2 + 1} \right) \pi} \right)$   | CDIF | SH | S   | MINUS |
| 2593 | 1529 | 1 | $\arctan \left( \frac{\ln \left( y + \sqrt{y^2 + 1} \right)}{x\pi} \right)$  | CDIF | SH | T   | PLUS  |
| 2594 | 1530 | 1 | $\arctan \left( \frac{1}{x \ln \left( y + \sqrt{y^2 + 1} \right) \pi} \right)$   | CDIF | SH | T   | MINUS |
| 2595 | 1531 | 1 | $\sqrt{-\frac{x^2 \pi^2 + \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2}{x^2 \pi^2}}$   | CDIF | SH | P   | PLUS  |
| 2596 | 1532 | 1 | $\sqrt{\frac{x^2 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2 \pi^2 - 1}{x^2 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2 \pi^2}}$ | CDIF | SH | P   | MINUS |
| 2597 | 1533 | 1 | $\sqrt{\frac{x^2 \pi^2 + \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2}{x^2 \pi^2}}$  | CDIF | SH | H   | PLUS  |

|      |      |   |  |      |    |     |       |
|------|------|---|--|------|----|-----|-------|
| 2598 | 1534 | 1 | $\sqrt{\frac{x^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2 \pi^2 + 1}{x^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2 \pi^2}}$                           | CDIF | SH | H   | MINUS |
| 2599 | 1535 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{\frac{1}{x\pi}} - 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-\frac{1}{x\pi}}$                                   | CDIF | SH | SH  | PLUS  |
| 2600 | 1536 | 1 | $1/2 e^{\frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}} - 1/2 e^{-\frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}}$   | CDIF | SH | SH  | MINUS |
| 2601 | 1537 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{\frac{1}{x\pi}} + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-\frac{1}{x\pi}}$                                   | CDIF | SH | CH  | PLUS  |
| 2602 | 1538 | 1 | $1/2 e^{\frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}} + 1/2 e^{-\frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}}$   | CDIF | SH | CH  | MINUS |
| 2603 | 1539 | 1 | $1 \left( \left( y + \sqrt{y^2 + 1} \right)^{2 \frac{1}{x\pi}} - 1 \right) \left( \left( y + \sqrt{y^2 + 1} \right)^{2 \frac{1}{x\pi}} \right)^{-1}$ | CDIF | SH | TH  | PLUS  |
| 2604 | 1540 | 1 | $1 \left( e^{2 \frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}} - 1 \right) \left( e^{2 \frac{1}{x \ln(y + \sqrt{y^2 + 1}) \pi}} + 1 \right)^{-1}$           | CDIF | SH | TH  | MINUS |
| 2605 | 1541 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}{x^2 \pi^2}$   | CDIF | CH | AB  | PLUS  |
| 2606 | 1542 | 1 | $\frac{1}{x^2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2 \pi^2}$   | CDIF | CH | AB  | MINUS |
| 2607 | 1543 | 1 | $\sqrt{\frac{\ln(y + \sqrt{y^2 - 1})}{x\pi}}$  | CDIF | CH | W   | PLUS  |
| 2608 | 1544 | 1 | $\sqrt{\frac{1}{x \ln(y + \sqrt{y^2 - 1}) \pi}}$   | CDIF | CH | W   | MINUS |
| 2609 | 1545 | 1 | $\frac{x^2 \pi^2}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$   | CDIF | CH | ABI | PLUS  |
| 2610 | 1546 | 1 | $x^2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2 \pi^2$   | CDIF | CH | ABI | MINUS |
| 2611 | 1547 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3}{x^3 \pi^3}$   | CDIF | CH | K   | PLUS  |
| 2612 | 1548 | 1 | $\frac{1}{x^3 \left( \ln(y + \sqrt{y^2 - 1}) \right)^3 \pi^3}$   | CDIF | CH | K   | MINUS |
| 2613 | 1549 | 1 | $\frac{x^3 \pi^3}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3}$   | CDIF | CH | KI  | PLUS  |

|      |      |   |  |      |    |    |       |
|------|------|---|--|------|----|----|-------|
| 2614 | 1550 | 1 | $x^3 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3 \pi^3$   | CDIF | CH | KI | MINUS |
| 2615 | 1551 | 1 | $\left( y + \sqrt{y^2 - 1} \right)^{\frac{1}{x\pi}}$   | CDIF | CH | LL | PLUS  |
| 2616 | 1552 | 1 | $e^{\frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi}}$  | CDIF | CH | LL | MINUS |
| 2617 | 1553 | 1 | $LOG \left( \frac{\ln \left( y + \sqrt{y^2 - 1} \right)}{x\pi} \right)$  | CDIF | CH | L  | PLUS  |
| 2618 | 1554 | 1 | $LOG \left( \frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi} \right)$   | CDIF | CH | L  | MINUS |
| 2619 | 1555 | 1 | $\arcsin \left( \frac{\ln \left( y + \sqrt{y^2 - 1} \right)}{x\pi} \right)$  | CDIF | CH | S  | PLUS  |
| 2620 | 1556 | 1 | $\arcsin \left( \frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi} \right)$   | CDIF | CH | S  | MINUS |
| 2621 | 1557 | 1 | $\arctan \left( \frac{\ln \left( y + \sqrt{y^2 - 1} \right)}{x\pi} \right)$  | CDIF | CH | T  | PLUS  |
| 2622 | 1558 | 1 | $\arctan \left( \frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi} \right)$   | CDIF | CH | T  | MINUS |
| 2623 | 1559 | 1 | $\sqrt{-\frac{x^2 \pi^2 + \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{x^2 \pi^2}}$   | CDIF | CH | P  | PLUS  |
| 2624 | 1560 | 1 | $\sqrt{\frac{x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 \pi^2 - 1}{x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 \pi^2}}$ | CDIF | CH | P  | MINUS |
| 2625 | 1561 | 1 | $\sqrt{\frac{x^2 \pi^2 + \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{x^2 \pi^2}}$  | CDIF | CH | H  | PLUS  |
| 2626 | 1562 | 1 | $\sqrt{\frac{x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 \pi^2 + 1}{x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 \pi^2}}$ | CDIF | CH | H  | MINUS |
| 2627 | 1563 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{\frac{1}{x\pi}} - 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-\frac{1}{x\pi}}$                                     | CDIF | CH | SH | PLUS  |
| 2628 | 1564 | 1 | $1/2 e^{\frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi}} - 1/2 e^{-\frac{1}{x \ln \left( y + \sqrt{y^2 - 1} \right) \pi}}$                       | CDIF | CH | SH | MINUS |

|      |      |   |  |      |    |     |       |
|------|------|---|--|------|----|-----|-------|
| 2629 | 1565 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{\frac{1}{x\pi}} + 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-\frac{1}{x\pi}}$                                 | CDIF | CH | CH  | PLUS  |
| 2630 | 1566 | 1 | $1/2 e^{\frac{1}{x \ln(y + \sqrt{y^2 - 1})\pi}} + 1/2 e^{-\frac{1}{x \ln(y + \sqrt{y^2 - 1})\pi}}$   | CDIF | CH | CH  | MINUS |
| 2631 | 1567 | 1 | $1 \left( \left( y + \sqrt{y^2 - 1} \right)^{2\frac{1}{x\pi}} - 1 \right) \left( \left( y + \sqrt{y^2 - 1} \right)^{2\frac{1}{x\pi}} \right)^{-1}$ | CDIF | CH | TH  | PLUS  |
| 2632 | 1568 | 1 | $1 \left( e^{2\frac{1}{x \ln(y + \sqrt{y^2 - 1})\pi}} - 1 \right) \left( e^{2\frac{1}{x \ln(y + \sqrt{y^2 - 1})\pi}} + 1 \right)^{-1}$             | CDIF | CH | TH  | MINUS |
| 2633 | 1569 | 1 | $1/4 \frac{1}{x^2 \pi^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$   | CDIF | TH | AB  | PLUS  |
| 2634 | 1570 | 1 | $4 \frac{1}{x^2 \pi^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$  | CDIF | TH | AB  | MINUS |
| 2635 | 1571 | 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{x\pi} \ln \left( \frac{-y-1}{y-1} \right)}$   | CDIF | TH | W   | PLUS  |
| 2636 | 1572 | 1 | $\sqrt{2} \sqrt{\frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CDIF | TH | W   | MINUS |
| 2637 | 1573 | 1 | $4 x^2 \pi^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$  | CDIF | TH | ABI | PLUS  |
| 2638 | 1574 | 1 | $1/4 x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \pi^2$   | CDIF | TH | ABI | MINUS |
| 2639 | 1575 | 1 | $1/8 \frac{1}{x^3 \pi^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$   | CDIF | TH | K   | PLUS  |
| 2640 | 1576 | 1 | $8 \frac{1}{x^3 \pi^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$  | CDIF | TH | K   | MINUS |
| 2641 | 1577 | 1 | $8 x^3 \pi^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$  | CDIF | TH | KI  | PLUS  |
| 2642 | 1578 | 1 | $1/8 x^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3 \pi^3$   | CDIF | TH | KI  | MINUS |
| 2643 | 1579 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \frac{1}{x\pi}}$   | CDIF | TH | LL  | PLUS  |
| 2644 | 1580 | 1 | $e^{2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CDIF | TH | LL  | MINUS |

|      |      |   |  |      |    |    |       |
|------|------|---|--|------|----|----|-------|
| 2645 | 1581 | 1 | $LOG \left( 1/2 \frac{1}{x\pi} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | CDIF | TH | L  | PLUS  |
| 2646 | 1582 | 1 | $LOG \left( 2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CDIF | TH | L  | MINUS |
| 2647 | 1583 | 1 | $\arcsin \left( 1/2 \frac{1}{x\pi} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | CDIF | TH | S  | PLUS  |
| 2648 | 1584 | 1 | $\arcsin \left( 2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CDIF | TH | S  | MINUS |
| 2649 | 1585 | 1 | $\arctan \left( 1/2 \frac{1}{x\pi} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | CDIF | TH | T  | PLUS  |
| 2650 | 1586 | 1 | $\arctan \left( 2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CDIF | TH | T  | MINUS |
| 2651 | 1587 | 1 | $1/2 \sqrt{\frac{1}{x^2\pi^2} \left( 4x^2\pi^2 - \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \right)}$  | CDIF | TH | P  | PLUS  |
| 2652 | 1588 | 1 | $\sqrt{\frac{1}{x^2\pi^2} \left( x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \pi^2 - 4 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$  | CDIF | TH | P  | MINUS |
| 2653 | 1589 | 1 | $1/2 \sqrt{\frac{1}{x^2\pi^2} \left( 4x^2\pi^2 + \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \right)}$  | CDIF | TH | H  | PLUS  |
| 2654 | 1590 | 1 | $\sqrt{\frac{1}{x^2\pi^2} \left( x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \pi^2 + 4 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$  | CDIF | TH | H  | MINUS |
| 2655 | 1591 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{1}{x\pi}} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{1}{x\pi}}$   | CDIF | TH | SH | PLUS  |
| 2656 | 1592 | 1 | $1/2 e^{2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1/2 e^{-2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CDIF | TH | SH | MINUS |
| 2657 | 1593 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{1}{x\pi}} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{1}{x\pi}}$   | CDIF | TH | CH | PLUS  |
| 2658 | 1594 | 1 | $1/2 e^{2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1/2 e^{-2 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | CDIF | TH | CH | MINUS |
| 2659 | 1595 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{1}{x\pi}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{1}{x\pi}} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \frac{1}{x\pi}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \frac{1}{x\pi}} \right)^{-1}$ | CDIF | TH | TH | PLUS  |
| 2660 | 1596 | 1 | $1 \left( e^{4 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1 \right) \left( e^{4 \frac{1}{x\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1 \right)^{-1}$   | CDIF | TH | TH | MINUS |

|      |      |   |                          |     |      |      |       |
|------|------|---|--------------------------|-----|------|------|-------|
| 2661 | 1597 | 1 | $\sqrt{xy}$              | AB  | CD   | CD   | PLUS  |
| 2662 | 1597 | 2 |                          | AB  | CDI  | CD   | MINUS |
| 2663 | 1597 | 3 |                          | AB  | CDF  | CDF  | PLUS  |
| 2664 | 1597 | 4 |                          | ABI | CD   | CDI  | MINUS |
| 2665 | 1597 | 5 |                          | ABI | CDI  | CDI  | PLUS  |
| 2666 | 1597 | 6 |                          | ABI | CDIF | CDIF | PLUS  |
| 2667 | 1598 | 1 | $\frac{\sqrt{x}}{y}$     | AB  | CD   | CD   | MINUS |
| 2668 | 1598 | 2 |                          | AB  | CDI  | CD   | PLUS  |
| 2669 | 1598 | 3 |                          | AB  | CDIF | CDF  | PLUS  |
| 2670 | 1598 | 4 |                          | ABI | CD   | CDI  | PLUS  |
| 2671 | 1598 | 5 |                          | ABI | CDI  | CDI  | MINUS |
| 2672 | 1598 | 6 |                          | ABI | CDF  | CDIF | PLUS  |
| 2673 | 1599 | 1 | $\frac{1}{\sqrt{xy}}$    | AB  | CD   | CDI  | PLUS  |
| 2674 | 1599 | 2 |                          | AB  | CDI  | CDI  | MINUS |
| 2675 | 1599 | 3 |                          | AB  | CDF  | CDIF | PLUS  |
| 2676 | 1599 | 4 |                          | ABI | CD   | CD   | MINUS |
| 2677 | 1599 | 5 |                          | ABI | CDI  | CD   | PLUS  |
| 2678 | 1599 | 6 |                          | ABI | CDIF | CDF  | PLUS  |
| 2679 | 1600 | 1 | $\frac{y}{\sqrt{x}}$     | AB  | CD   | CDI  | MINUS |
| 2680 | 1600 | 2 |                          | AB  | CDI  | CDI  | PLUS  |
| 2681 | 1600 | 3 |                          | AB  | CDIF | CDIF | PLUS  |
| 2682 | 1600 | 4 |                          | ABI | CD   | CD   | PLUS  |
| 2683 | 1600 | 5 |                          | ABI | CDI  | CD   | MINUS |
| 2684 | 1600 | 6 |                          | ABI | CDF  | CDF  | PLUS  |
| 2685 | 1601 | 1 | $\sqrt{xy}\pi$           | AB  | CD   | CDF  | PLUS  |
| 2686 | 1601 | 2 |                          | AB  | CDI  | CDF  | MINUS |
| 2687 | 1601 | 3 |                          | AB  | CDIF | CD   | MINUS |
| 2688 | 1601 | 4 |                          | ABI | CDIF | CDI  | PLUS  |
| 2689 | 1602 | 1 | $\frac{\sqrt{x}\pi}{y}$  | AB  | CD   | CDF  | MINUS |
| 2690 | 1602 | 2 |                          | AB  | CDI  | CDF  | PLUS  |
| 2691 | 1602 | 3 |                          | AB  | CDF  | CD   | MINUS |
| 2692 | 1602 | 4 |                          | ABI | CDF  | CDI  | PLUS  |
| 2693 | 1603 | 1 | $\frac{1}{\sqrt{xy}\pi}$ | AB  | CD   | CDIF | PLUS  |
| 2694 | 1603 | 2 |                          | AB  | CDI  | CDIF | MINUS |
| 2695 | 1603 | 3 |                          | AB  | CDIF | CDI  | MINUS |
| 2696 | 1603 | 4 |                          | ABI | CDIF | CD   | PLUS  |

|      |      |   |                                      |     |     |      |       |
|------|------|---|--------------------------------------|-----|-----|------|-------|
| 2697 | 1604 | 1 | $\frac{y}{\sqrt{x\pi}}$              | AB  | CD  | CDIF | MINUS |
| 2698 | 1604 | 2 |                                      | AB  | CDI | CDIF | PLUS  |
| 2699 | 1604 | 3 |                                      | AB  | CDF | CDI  | MINUS |
| 2700 | 1604 | 4 |                                      | ABI | CDF | CD   | PLUS  |
| 2701 | 1605 | 1 | $\sqrt{\sqrt{xy}}$                   | AB  | CD  | W    | PLUS  |
| 2702 | 1605 | 2 |                                      | AB  | CDI | W    | MINUS |
| 2703 | 1606 | 1 | $\sqrt{\frac{\sqrt{x}}{y}}$          | AB  | CD  | W    | MINUS |
| 2704 | 1606 | 2 |                                      | AB  | CDI | W    | PLUS  |
| 2705 | 1607 | 1 | $x^{3/2}y^3$                         | AB  | CD  | K    | PLUS  |
| 2706 | 1607 | 2 |                                      | AB  | CDI | K    | MINUS |
| 2707 | 1607 | 3 |                                      | ABI | CD  | KI   | MINUS |
| 2708 | 1607 | 4 |                                      | ABI | CDI | KI   | PLUS  |
| 2709 | 1608 | 1 | $\frac{x^{3/2}}{y^3}$                | AB  | CD  | K    | MINUS |
| 2710 | 1608 | 2 |                                      | AB  | CDI | K    | PLUS  |
| 2711 | 1608 | 3 |                                      | ABI | CD  | KI   | PLUS  |
| 2712 | 1608 | 4 |                                      | ABI | CDI | KI   | MINUS |
| 2713 | 1609 | 1 | $\frac{1}{x^{3/2}y^3}$               | AB  | CD  | KI   | PLUS  |
| 2714 | 1609 | 2 |                                      | AB  | CDI | KI   | MINUS |
| 2715 | 1609 | 3 |                                      | ABI | CD  | K    | MINUS |
| 2716 | 1609 | 4 |                                      | ABI | CDI | K    | PLUS  |
| 2717 | 1610 | 1 | $\frac{y^3}{x^{3/2}}$                | AB  | CD  | KI   | MINUS |
| 2718 | 1610 | 2 |                                      | AB  | CDI | KI   | PLUS  |
| 2719 | 1610 | 3 |                                      | ABI | CD  | K    | PLUS  |
| 2720 | 1610 | 4 |                                      | ABI | CDI | K    | MINUS |
| 2721 | 1611 | 1 | $e^{\sqrt{xy}}$                      | AB  | CD  | LL   | PLUS  |
| 2722 | 1611 | 2 |                                      | AB  | CDI | LL   | MINUS |
| 2723 | 1612 | 1 | $e^{\frac{\sqrt{x}}{y}}$             | AB  | CD  | LL   | MINUS |
| 2724 | 1612 | 2 |                                      | AB  | CDI | LL   | PLUS  |
| 2725 | 1613 | 1 | $LOG(\sqrt{xy})$                     | AB  | CD  | L    | PLUS  |
| 2726 | 1613 | 2 |                                      | AB  | CDI | L    | MINUS |
| 2727 | 1614 | 1 | $LOG\left(\frac{\sqrt{x}}{y}\right)$ | AB  | CD  | L    | MINUS |
| 2728 | 1614 | 2 |                                      | AB  | CDI | L    | PLUS  |



|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 2729 | 1615 | 1 | $\arcsin(\sqrt{xy})$   | AB | CD  | S  | PLUS  |
| 2730 | 1615 | 2 |  | AB | CDI | S  | MINUS |
| 2731 | 1616 | 1 | $\arcsin\left(\frac{\sqrt{x}}{y}\right)$   | AB | CD  | S  | MINUS |
| 2732 | 1616 | 2 |  | AB | CDI | S  | PLUS  |
| 2733 | 1617 | 1 | $\arctan(\sqrt{xy})$   | AB | CD  | T  | PLUS  |
| 2734 | 1617 | 2 |  | AB | CDI | T  | MINUS |
| 2735 | 1618 | 1 | $\arctan\left(\frac{\sqrt{x}}{y}\right)$   | AB | CD  | T  | MINUS |
| 2736 | 1618 | 2 |  | AB | CDI | T  | PLUS  |
| 2737 | 1619 | 1 | $\sqrt{-xy^2+1}$   | AB | CD  | P  | PLUS  |
| 2738 | 1619 | 2 |  | AB | CDI | P  | MINUS |
| 2739 | 1620 | 1 | $\sqrt{-\frac{y^2+x}{y^2}}$  | AB | CD  | P  | MINUS |
| 2740 | 1620 | 2 |  | AB | CDI | P  | PLUS  |
| 2741 | 1621 | 1 | $\sqrt{xy^2+1}$  | AB | CD  | H  | PLUS  |
| 2742 | 1621 | 2 |  | AB | CDI | H  | MINUS |
| 2743 | 1622 | 1 | $\sqrt{\frac{y^2+x}{y^2}}$   | AB | CD  | H  | MINUS |
| 2744 | 1622 | 2 |  | AB | CDI | H  | PLUS  |
| 2745 | 1623 | 1 | $1/2 e^{\sqrt{xy}} - 1/2 e^{-\sqrt{xy}}$   | AB | CD  | SH | PLUS  |
| 2746 | 1623 | 2 |  | AB | CDI | SH | MINUS |
| 2747 | 1624 | 1 | $1/2 e^{\frac{\sqrt{x}}{y}} - 1/2 e^{-\frac{\sqrt{x}}{y}}$                                     | AB | CD  | SH | MINUS |
| 2748 | 1624 | 2 |  | AB | CDI | SH | PLUS  |
| 2749 | 1625 | 1 | $1/2 e^{\sqrt{xy}} + 1/2 e^{-\sqrt{xy}}$   | AB | CD  | CH | PLUS  |
| 2750 | 1625 | 2 |  | AB | CDI | CH | MINUS |
| 2751 | 1626 | 1 | $1/2 e^{\frac{\sqrt{x}}{y}} + 1/2 e^{-\frac{\sqrt{x}}{y}}$                                     | AB | CD  | CH | MINUS |
| 2752 | 1626 | 2 |  | AB | CDI | CH | PLUS  |
| 2753 | 1627 | 1 | $\frac{e^{2\sqrt{xy}}-1}{e^{2\sqrt{xy}}+1}$  | AB | CD  | TH | PLUS  |
| 2754 | 1627 | 2 |  | AB | CDI | TH | MINUS |
| 2755 | 1628 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{y}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{y}} + 1 \right)^{-1}$ | AB | CD  | TH | MINUS |
| 2756 | 1628 | 2 |  | AB | CDI | TH | PLUS  |

|      |      |   |                                |     |     |      |       |
|------|------|---|--------------------------------|-----|-----|------|-------|
| 2757 | 1629 | 1 | $\frac{\sqrt{xy}}{\pi}$        | AB  | CDF | CD   | PLUS  |
| 2758 | 1629 | 2 |                                | ABI | CD  | CDIF | MINUS |
| 2759 | 1629 | 3 |                                | ABI | CDI | CDIF | PLUS  |
| 2760 | 1629 | 4 |                                | ABI | CDF | CDI  | MINUS |
| 2761 | 1630 | 1 | $\frac{\pi}{\sqrt{xy}}$        | AB  | CDF | CDI  | PLUS  |
| 2762 | 1630 | 2 |                                | ABI | CD  | CDF  | MINUS |
| 2763 | 1630 | 3 |                                | ABI | CDI | CDF  | PLUS  |
| 2764 | 1630 | 4 |                                | ABI | CDF | CD   | MINUS |
| 2765 | 1631 | 1 | $\frac{\sqrt{x\pi^2}}{y}$      | AB  | CDF | CDF  | MINUS |
| 2766 | 1632 | 1 | $\frac{y}{\sqrt{x\pi^2}}$      | AB  | CDF | CDIF | MINUS |
| 2767 | 1633 | 1 | $\frac{xy^2}{\pi^2}$           | AB  | CDF | AB   | PLUS  |
| 2768 | 1633 | 2 |                                | ABI | CDF | ABI  | MINUS |
| 2769 | 1634 | 1 | $\frac{x\pi^2}{y^2}$           | AB  | CDF | AB   | MINUS |
| 2770 | 1634 | 2 |                                | ABI | CDF | ABI  | PLUS  |
| 2771 | 1635 | 1 | $\sqrt{\frac{\sqrt{xy}}{\pi}}$ | AB  | CDF | W    | PLUS  |
| 2772 | 1636 | 1 | $\sqrt{\frac{\sqrt{x\pi}}{y}}$ | AB  | CDF | W    | MINUS |
| 2773 | 1637 | 1 | $\frac{\pi^2}{xy^2}$           | AB  | CDF | ABI  | PLUS  |
| 2774 | 1637 | 2 |                                | ABI | CDF | AB   | MINUS |
| 2775 | 1638 | 1 | $\frac{y^2}{x\pi^2}$           | AB  | CDF | ABI  | MINUS |
| 2776 | 1638 | 2 |                                | ABI | CDF | AB   | PLUS  |
| 2777 | 1639 | 1 | $\frac{x^{3/2}y^3}{\pi^3}$     | AB  | CDF | K    | PLUS  |
| 2778 | 1639 | 2 |                                | ABI | CDF | KI   | MINUS |
| 2779 | 1640 | 1 | $\frac{x^{3/2}\pi^3}{y^3}$     | AB  | CDF | K    | MINUS |
| 2780 | 1640 | 2 |                                | ABI | CDF | KI   | PLUS  |
| 2781 | 1641 | 1 | $\frac{\pi^3}{x^{3/2}y^3}$     | AB  | CDF | KI   | PLUS  |
| 2782 | 1641 | 2 |                                | ABI | CDF | K    | MINUS |
| 2783 | 1642 | 1 | $\frac{y^3}{x^{3/2}\pi^3}$     | AB  | CDF | KI   | MINUS |
| 2784 | 1642 | 2 |                                | ABI | CDF | K    | PLUS  |

|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 2785 | 1643 | 1 | $e^{\frac{\sqrt{x}y}{\pi}}$  | AB | CDF | LL | PLUS  |
| 2786 | 1644 | 1 | $e^{\frac{\sqrt{x}\pi}{y}}$  | AB | CDF | LL | MINUS |
| 2787 | 1645 | 1 | $LOG\left(\frac{\sqrt{x}y}{\pi}\right)$  | AB | CDF | L  | PLUS  |
| 2788 | 1646 | 1 | $LOG\left(\frac{\sqrt{x}\pi}{y}\right)$  | AB | CDF | L  | MINUS |
| 2789 | 1647 | 1 | $\arcsin\left(\frac{\sqrt{x}y}{\pi}\right)$  | AB | CDF | S  | PLUS  |
| 2790 | 1648 | 1 | $\arcsin\left(\frac{\sqrt{x}\pi}{y}\right)$  | AB | CDF | S  | MINUS |
| 2791 | 1649 | 1 | $\arctan\left(\frac{\sqrt{x}y}{\pi}\right)$  | AB | CDF | T  | PLUS  |
| 2792 | 1650 | 1 | $\arctan\left(\frac{\sqrt{x}\pi}{y}\right)$  | AB | CDF | T  | MINUS |
| 2793 | 1651 | 1 | $\sqrt{\frac{-xy^2+\pi^2}{\pi^2}}$   | AB | CDF | P  | PLUS  |
| 2794 | 1652 | 1 | $\sqrt{-\frac{x\pi^2-y^2}{y^2}}$   | AB | CDF | P  | MINUS |
| 2795 | 1653 | 1 | $\sqrt{\frac{xy^2+\pi^2}{\pi^2}}$  | AB | CDF | H  | PLUS  |
| 2796 | 1654 | 1 | $\sqrt{\frac{\pi^2x+y^2}{y^2}}$  | AB | CDF | H  | MINUS |
| 2797 | 1655 | 1 | $1/2e^{\frac{\sqrt{x}y}{\pi}} - 1/2e^{-\frac{\sqrt{x}y}{\pi}}$                             | AB | CDF | SH | PLUS  |
| 2798 | 1656 | 1 | $1/2e^{\frac{\sqrt{x}\pi}{y}} - 1/2e^{-\frac{\sqrt{x}\pi}{y}}$                             | AB | CDF | SH | MINUS |
| 2799 | 1657 | 1 | $1/2e^{\frac{\sqrt{x}y}{\pi}} + 1/2e^{-\frac{\sqrt{x}y}{\pi}}$                             | AB | CDF | CH | PLUS  |
| 2800 | 1658 | 1 | $1/2e^{\frac{\sqrt{x}\pi}{y}} + 1/2e^{-\frac{\sqrt{x}\pi}{y}}$                             | AB | CDF | CH | MINUS |
| 2801 | 1659 | 1 | $1\left(e^2\frac{\sqrt{x}y}{\pi} - 1\right)\left(e^2\frac{\sqrt{x}y}{\pi} + 1\right)^{-1}$ | AB | CDF | TH | PLUS  |
| 2802 | 1660 | 1 | $1\left(e^2\frac{\sqrt{x}\pi}{y} - 1\right)\left(e^2\frac{\sqrt{x}\pi}{y} + 1\right)^{-1}$ | AB | CDF | TH | MINUS |

|      |      |   |                                |     |      |      |       |
|------|------|---|--------------------------------|-----|------|------|-------|
| 2803 | 1661 | 1 | $\frac{\sqrt{x}}{y\pi}$        | AB  | CDIF | CD   | PLUS  |
| 2804 | 1661 | 2 |                                | ABI | CD   | CDIF | PLUS  |
| 2805 | 1661 | 3 |                                | ABI | CDI  | CDIF | MINUS |
| 2806 | 1661 | 4 |                                | ABI | CDIF | CDI  | MINUS |
| 2807 | 1662 | 1 | $\frac{y\pi}{\sqrt{x}}$        | AB  | CDIF | CDI  | PLUS  |
| 2808 | 1662 | 2 |                                | ABI | CD   | CDF  | PLUS  |
| 2809 | 1662 | 3 |                                | ABI | CDI  | CDF  | MINUS |
| 2810 | 1662 | 4 |                                | ABI | CDIF | CD   | MINUS |
| 2811 | 1663 | 1 | $\sqrt{xy}\pi^2$               | AB  | CDIF | CDF  | MINUS |
| 2812 | 1664 | 1 | $\frac{1}{\sqrt{xy}\pi^2}$     | AB  | CDIF | CDIF | MINUS |
| 2813 | 1665 | 1 | $\frac{x}{y^2\pi^2}$           | AB  | CDIF | AB   | PLUS  |
| 2814 | 1665 | 2 |                                | ABI | CDIF | ABI  | MINUS |
| 2815 | 1666 | 1 | $xy^2\pi^2$                    | AB  | CDIF | AB   | MINUS |
| 2816 | 1666 | 2 |                                | ABI | CDIF | ABI  | PLUS  |
| 2817 | 1667 | 1 | $\sqrt{\frac{\sqrt{x}}{y\pi}}$ | AB  | CDIF | W    | PLUS  |
| 2818 | 1668 | 1 | $\sqrt{\sqrt{xy}\pi}$          | AB  | CDIF | W    | MINUS |
| 2819 | 1669 | 1 | $\frac{y^2\pi^2}{x}$           | AB  | CDIF | ABI  | PLUS  |
| 2820 | 1669 | 2 |                                | ABI | CDIF | AB   | MINUS |
| 2821 | 1670 | 1 | $\frac{1}{xy^2\pi^2}$          | AB  | CDIF | ABI  | MINUS |
| 2822 | 1670 | 2 |                                | ABI | CDIF | AB   | PLUS  |
| 2823 | 1671 | 1 | $\frac{x^{3/2}}{y^3\pi^3}$     | AB  | CDIF | K    | PLUS  |
| 2824 | 1671 | 2 |                                | ABI | CDIF | KI   | MINUS |
| 2825 | 1672 | 1 | $x^{3/2}y^3\pi^3$              | AB  | CDIF | K    | MINUS |
| 2826 | 1672 | 2 |                                | ABI | CDIF | KI   | PLUS  |
| 2827 | 1673 | 1 | $\frac{y^3\pi^3}{x^{3/2}}$     | AB  | CDIF | KI   | PLUS  |
| 2828 | 1673 | 2 |                                | ABI | CDIF | K    | MINUS |
| 2829 | 1674 | 1 | $\frac{1}{x^{3/2}y^3\pi^3}$    | AB  | CDIF | KI   | MINUS |
| 2830 | 1674 | 2 |                                | ABI | CDIF | K    | PLUS  |
| 2831 | 1675 | 1 | $e^{\frac{\sqrt{x}}{y\pi}}$    | AB  | CDIF | LL   | PLUS  |

|      |      |   |  |     |      |     |       |
|------|------|---|--|-----|------|-----|-------|
| 2832 | 1676 | 1 | $e^{\sqrt{x}y\pi}$   | AB  | CDIF | LL  | MINUS |
| 2833 | 1677 | 1 | $LOG\left(\frac{\sqrt{x}}{y\pi}\right)$  | AB  | CDIF | L   | PLUS  |
| 2834 | 1678 | 1 | $LOG(\sqrt{x}y\pi)$  | AB  | CDIF | L   | MINUS |
| 2835 | 1679 | 1 | $\arcsin\left(\frac{\sqrt{x}}{y\pi}\right)$  | AB  | CDIF | S   | PLUS  |
| 2836 | 1680 | 1 | $\arcsin(\sqrt{x}y\pi)$  | AB  | CDIF | S   | MINUS |
| 2837 | 1681 | 1 | $\arctan\left(\frac{\sqrt{x}}{y\pi}\right)$  | AB  | CDIF | T   | PLUS  |
| 2838 | 1682 | 1 | $\arctan(\sqrt{x}y\pi)$  | AB  | CDIF | T   | MINUS |
| 2839 | 1683 | 1 | $\sqrt{\frac{y^2\pi^2-x}{y^2\pi^2}}$   | AB  | CDIF | P   | PLUS  |
| 2840 | 1684 | 1 | $\sqrt{-\pi^2xy^2+1}$  | AB  | CDIF | P   | MINUS |
| 2841 | 1685 | 1 | $\sqrt{\frac{y^2\pi^2+x}{y^2\pi^2}}$   | AB  | CDIF | H   | PLUS  |
| 2842 | 1686 | 1 | $\sqrt{\pi^2xy^2+1}$   | AB  | CDIF | H   | MINUS |
| 2843 | 1687 | 1 | $1/2 e^{\frac{\sqrt{x}}{y\pi}} - 1/2 e^{-\frac{\sqrt{x}}{y\pi}}$                           | AB  | CDIF | SH  | PLUS  |
| 2844 | 1688 | 1 | $1/2 e^{\sqrt{x}y\pi} - 1/2 e^{-\sqrt{x}y\pi}$   | AB  | CDIF | SH  | MINUS |
| 2845 | 1689 | 1 | $1/2 e^{\frac{\sqrt{x}}{y\pi}} + 1/2 e^{-\frac{\sqrt{x}}{y\pi}}$                           | AB  | CDIF | CH  | PLUS  |
| 2846 | 1690 | 1 | $1/2 e^{\sqrt{x}y\pi} + 1/2 e^{-\sqrt{x}y\pi}$   | AB  | CDIF | CH  | MINUS |
| 2847 | 1691 | 1 | $1\left(e^{2\frac{\sqrt{x}}{y\pi}}-1\right)\left(e^{2\frac{\sqrt{x}}{y\pi}}+1\right)^{-1}$ | AB  | CDIF | TH  | PLUS  |
| 2848 | 1692 | 1 | $\frac{e^{2\sqrt{x}y\pi}-1}{e^{2\sqrt{x}y\pi}+1}$  | AB  | CDIF | TH  | MINUS |
| 2849 | 1693 | 1 | $\sqrt{x}\sqrt{y}$   | AB  | AB   | CD  | PLUS  |
| 2850 | 1693 | 2 |  | AB  | ABI  | CD  | MINUS |
| 2851 | 1693 | 3 |  | ABI | AB   | CDI | MINUS |
| 2852 | 1693 | 4 |  | ABI | ABI  | CDI | PLUS  |
| 2853 | 1694 | 1 | $\frac{\sqrt{x}}{\sqrt{y}}$  | AB  | AB   | CD  | MINUS |

|      |      |   |                                    |     |     |      |       |
|------|------|---|------------------------------------|-----|-----|------|-------|
| 2854 | 1694 | 2 |                                    | AB  | ABI | CD   | PLUS  |
| 2855 | 1694 | 3 |                                    | ABI | AB  | CDI  | PLUS  |
| 2856 | 1694 | 4 |                                    | ABI | ABI | CDI  | MINUS |
| 2857 | 1695 | 1 | $\frac{1}{\sqrt{x}\sqrt{y}}$       | AB  | AB  | CDI  | PLUS  |
| 2858 | 1695 | 2 |                                    | AB  | ABI | CDI  | MINUS |
| 2859 | 1695 | 3 |                                    | ABI | AB  | CD   | MINUS |
| 2860 | 1695 | 4 |                                    | ABI | ABI | CD   | PLUS  |
| 2861 | 1696 | 1 | $\frac{\sqrt{y}}{\sqrt{x}}$        | AB  | AB  | CDI  | MINUS |
| 2862 | 1696 | 2 |                                    | AB  | ABI | CDI  | PLUS  |
| 2863 | 1696 | 3 |                                    | ABI | AB  | CD   | PLUS  |
| 2864 | 1696 | 4 |                                    | ABI | ABI | CD   | MINUS |
| 2865 | 1697 | 1 | $\sqrt{x}\sqrt{y}\pi$              | AB  | AB  | CDF  | PLUS  |
| 2866 | 1697 | 2 |                                    | AB  | ABI | CDF  | MINUS |
| 2867 | 1698 | 1 | $\frac{\sqrt{x}\pi}{\sqrt{y}}$     | AB  | AB  | CDF  | MINUS |
| 2868 | 1698 | 2 |                                    | AB  | ABI | CDF  | PLUS  |
| 2869 | 1699 | 1 | $\frac{1}{\sqrt{x}\sqrt{y}\pi}$    | AB  | AB  | CDIF | PLUS  |
| 2870 | 1699 | 2 |                                    | AB  | ABI | CDIF | MINUS |
| 2871 | 1700 | 1 | $\frac{\sqrt{y}}{\sqrt{x}\pi}$     | AB  | AB  | CDIF | MINUS |
| 2872 | 1700 | 2 |                                    | AB  | ABI | CDIF | PLUS  |
| 2873 | 1701 | 1 | $\sqrt{\sqrt{x}\sqrt{y}}$          | AB  | AB  | W    | PLUS  |
| 2874 | 1701 | 2 |                                    | AB  | ABI | W    | MINUS |
| 2875 | 1702 | 1 | $\sqrt{\frac{\sqrt{x}}{\sqrt{y}}}$ | AB  | AB  | W    | MINUS |
| 2876 | 1702 | 2 |                                    | AB  | ABI | W    | PLUS  |
| 2877 | 1703 | 1 | $x^{3/2}y^{3/2}$                   | AB  | AB  | K    | PLUS  |
| 2878 | 1703 | 2 |                                    | AB  | ABI | K    | MINUS |
| 2879 | 1703 | 3 |                                    | ABI | AB  | KI   | MINUS |
| 2880 | 1703 | 4 |                                    | ABI | ABI | KI   | PLUS  |
| 2881 | 1704 | 1 | $\frac{x^{3/2}}{y^{3/2}}$          | AB  | AB  | K    | MINUS |
| 2882 | 1704 | 2 |                                    | AB  | ABI | K    | PLUS  |
| 2883 | 1704 | 3 |                                    | ABI | AB  | KI   | PLUS  |
| 2884 | 1704 | 4 |                                    | ABI | ABI | KI   | MINUS |
| 2885 | 1705 | 1 | $\frac{1}{x^{3/2}y^{3/2}}$         | AB  | AB  | KI   | PLUS  |

|      |      |   |   |     |     |    |       |
|------|------|---|---|-----|-----|----|-------|
| 2886 | 1705 | 2 |   | AB  | ABI | KI | MINUS |
| 2887 | 1705 | 3 |   | ABI | AB  | K  | MINUS |
| 2888 | 1705 | 4 |   | ABI | ABI | K  | PLUS  |
| 2889 | 1706 | 1 | $\frac{y^{3/2}}{x^{3/2}}$                       | AB  | AB  | KI | MINUS |
| 2890 | 1706 | 2 |   | AB  | ABI | KI | PLUS  |
| 2891 | 1706 | 3 |   | ABI | AB  | K  | PLUS  |
| 2892 | 1706 | 4 |   | ABI | ABI | K  | MINUS |
| 2893 | 1707 | 1 | $e^{\sqrt{x}\sqrt{y}}$                          | AB  | AB  | LL | PLUS  |
| 2894 | 1707 | 2 |   | AB  | ABI | LL | MINUS |
| 2895 | 1708 | 1 | $e^{\frac{\sqrt{x}}{\sqrt{y}}}$                 | AB  | AB  | LL | MINUS |
| 2896 | 1708 | 2 |   | AB  | ABI | LL | PLUS  |
| 2897 | 1709 | 1 | $LOG(\sqrt{x}\sqrt{y})$                         | AB  | AB  | L  | PLUS  |
| 2898 | 1709 | 2 |   | AB  | ABI | L  | MINUS |
| 2899 | 1710 | 1 | $LOG\left(\frac{\sqrt{x}}{\sqrt{y}}\right)$     | AB  | AB  | L  | MINUS |
| 2900 | 1710 | 2 |   | AB  | ABI | L  | PLUS  |
| 2901 | 1711 | 1 | $\arcsin(\sqrt{x}\sqrt{y})$                     | AB  | AB  | S  | PLUS  |
| 2902 | 1711 | 2 |   | AB  | ABI | S  | MINUS |
| 2903 | 1712 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\sqrt{y}}\right)$ | AB  | AB  | S  | MINUS |
| 2904 | 1712 | 2 |   | AB  | ABI | S  | PLUS  |
| 2905 | 1713 | 1 | $\arctan(\sqrt{x}\sqrt{y})$                     | AB  | AB  | T  | PLUS  |
| 2906 | 1713 | 2 |   | AB  | ABI | T  | MINUS |
| 2907 | 1714 | 1 | $\arctan\left(\frac{\sqrt{x}}{\sqrt{y}}\right)$ | AB  | AB  | T  | MINUS |
| 2908 | 1714 | 2 |   | AB  | ABI | T  | PLUS  |
| 2909 | 1715 | 1 | $\sqrt{-xy+1}$                                  | AB  | AB  | P  | PLUS  |
| 2910 | 1715 | 2 |   | AB  | ABI | P  | MINUS |
| 2911 | 1716 | 1 | $\sqrt{-\frac{x-y}{y}}$                         | AB  | AB  | P  | MINUS |
| 2912 | 1716 | 2 |   | AB  | ABI | P  | PLUS  |
| 2913 | 1717 | 1 | $\sqrt{xy+1}$                                   | AB  | AB  | H  | PLUS  |
| 2914 | 1717 | 2 |   | AB  | ABI | H  | MINUS |

|      |      |   |  |     |     |      |       |
|------|------|---|--|-----|-----|------|-------|
| 2915 | 1718 | 1 | $\sqrt{\frac{x+y}{y}}$   | AB  | AB  | H    | MINUS |
| 2916 | 1718 | 2 |  | AB  | ABI | H    | PLUS  |
| 2917 | 1719 | 1 | $1/2 e^{\sqrt{x}\sqrt{y}} - 1/2 e^{-\sqrt{x}\sqrt{y}}$   | AB  | AB  | SH   | PLUS  |
| 2918 | 1719 | 2 |  | AB  | ABI | SH   | MINUS |
| 2919 | 1720 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt{y}}} - 1/2 e^{-\frac{\sqrt{x}}{\sqrt{y}}}$                                     | AB  | AB  | SH   | MINUS |
| 2920 | 1720 | 2 |  | AB  | ABI | SH   | PLUS  |
| 2921 | 1721 | 1 | $1/2 e^{\sqrt{x}\sqrt{y}} + 1/2 e^{-\sqrt{x}\sqrt{y}}$   | AB  | AB  | CH   | PLUS  |
| 2922 | 1721 | 2 |  | AB  | ABI | CH   | MINUS |
| 2923 | 1722 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt{y}}} + 1/2 e^{-\frac{\sqrt{x}}{\sqrt{y}}}$                                     | AB  | AB  | CH   | MINUS |
| 2924 | 1722 | 2 |  | AB  | ABI | CH   | PLUS  |
| 2925 | 1723 | 1 | $\frac{e^{2\sqrt{x}\sqrt{y}}-1}{e^{2\sqrt{x}\sqrt{y}}+1}$  | AB  | AB  | TH   | PLUS  |
| 2926 | 1723 | 2 |  | AB  | ABI | TH   | MINUS |
| 2927 | 1724 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\sqrt{y}}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\sqrt{y}}} + 1 \right)^{-1}$ | AB  | AB  | TH   | MINUS |
| 2928 | 1724 | 2 |  | AB  | ABI | TH   | PLUS  |
| 2929 | 1725 | 1 | $\sqrt{xy}^2$  | AB  | W   | CD   | PLUS  |
| 2930 | 1725 | 2 |  | ABI | W   | CDI  | MINUS |
| 2931 | 1726 | 1 | $\frac{\sqrt{x}}{y^2}$   | AB  | W   | CD   | MINUS |
| 2932 | 1726 | 2 |  | ABI | W   | CDI  | PLUS  |
| 2933 | 1727 | 1 | $\frac{1}{\sqrt{xy}^2}$  | AB  | W   | CDI  | PLUS  |
| 2934 | 1727 | 2 |  | ABI | W   | CD   | MINUS |
| 2935 | 1728 | 1 | $\frac{y^2}{\sqrt{x}}$   | AB  | W   | CDI  | MINUS |
| 2936 | 1728 | 2 |  | ABI | W   | CD   | PLUS  |
| 2937 | 1729 | 1 | $\sqrt{xy}^2 \pi$  | AB  | W   | CDF  | PLUS  |
| 2938 | 1730 | 1 | $\frac{\sqrt{x}\pi}{y^2}$  | AB  | W   | CDF  | MINUS |
| 2939 | 1731 | 1 | $\frac{1}{\sqrt{xy}^2 \pi}$  | AB  | W   | CDIF | PLUS  |
| 2940 | 1732 | 1 | $\frac{y^2}{\sqrt{x}\pi}$  | AB  | W   | CDIF | MINUS |



|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 2941 | 1733 | 1 | $xy^4$                                     | AB  | W | AB  | PLUS  |
| 2942 | 1733 | 2 |  | ABI | W | ABI | MINUS |
| 2943 | 1734 | 1 | $\frac{x}{y^4}$                            | AB  | W | AB  | MINUS |
| 2944 | 1734 | 2 |  | ABI | W | ABI | PLUS  |
| 2945 | 1735 | 1 | $\sqrt{\sqrt{xy^2}}$                       | AB  | W | W   | PLUS  |
| 2946 | 1736 | 1 | $\sqrt{\frac{\sqrt{x}}{y^2}}$              | AB  | W | W   | MINUS |
| 2947 | 1737 | 1 | $\frac{1}{xy^4}$                           | AB  | W | ABI | PLUS  |
| 2948 | 1737 | 2 |  | ABI | W | AB  | MINUS |
| 2949 | 1738 | 1 | $\frac{y^4}{x}$                            | AB  | W | ABI | MINUS |
| 2950 | 1738 | 2 |  | ABI | W | AB  | PLUS  |
| 2951 | 1739 | 1 | $x^{3/2}y^6$                               | AB  | W | K   | PLUS  |
| 2952 | 1739 | 2 |  | ABI | W | KI  | MINUS |
| 2953 | 1740 | 1 | $\frac{x^{3/2}}{y^6}$                      | AB  | W | K   | MINUS |
| 2954 | 1740 | 2 |  | ABI | W | KI  | PLUS  |
| 2955 | 1741 | 1 | $\frac{1}{x^{3/2}y^6}$                     | AB  | W | KI  | PLUS  |
| 2956 | 1741 | 2 |  | ABI | W | K   | MINUS |
| 2957 | 1742 | 1 | $\frac{y^6}{x^{3/2}}$                      | AB  | W | KI  | MINUS |
| 2958 | 1742 | 2 |  | ABI | W | K   | PLUS  |
| 2959 | 1743 | 1 | $e^{\sqrt{x}y^2}$                          | AB  | W | LL  | PLUS  |
| 2960 | 1744 | 1 | $e^{\frac{\sqrt{x}}{y^2}}$                 | AB  | W | LL  | MINUS |
| 2961 | 1745 | 1 | $LOG(\sqrt{x}y^2)$                         | AB  | W | L   | PLUS  |
| 2962 | 1746 | 1 | $LOG\left(\frac{\sqrt{x}}{y^2}\right)$     | AB  | W | L   | MINUS |
| 2963 | 1747 | 1 | $\arcsin(\sqrt{x}y^2)$                     | AB  | W | S   | PLUS  |
| 2964 | 1748 | 1 | $\arcsin\left(\frac{\sqrt{x}}{y^2}\right)$ | AB  | W | S   | MINUS |
| 2965 | 1749 | 1 | $\arctan(\sqrt{x}y^2)$                     | AB  | W | T   | PLUS  |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 2966 | 1750 | 1 | $\arctan\left(\frac{\sqrt{x}}{y^2}\right)$   | AB  | W  | T   | MINUS |
| 2967 | 1751 | 1 | $\sqrt{-xy^4+1}$   | AB  | W  | P   | PLUS  |
| 2968 | 1752 | 1 | $\sqrt{-\frac{y^4+x}{y^4}}$  | AB  | W  | P   | MINUS |
| 2969 | 1753 | 1 | $\sqrt{xy^4+1}$  | AB  | W  | H   | PLUS  |
| 2970 | 1754 | 1 | $\sqrt{\frac{y^4+x}{y^4}}$   | AB  | W  | H   | MINUS |
| 2971 | 1755 | 1 | $1/2 e^{\sqrt{x}y^2} - 1/2 e^{-\sqrt{x}y^2}$   | AB  | W  | SH  | PLUS  |
| 2972 | 1756 | 1 | $1/2 e^{\frac{\sqrt{x}}{y^2}} - 1/2 e^{-\frac{\sqrt{x}}{y^2}}$                           | AB  | W  | SH  | MINUS |
| 2973 | 1757 | 1 | $1/2 e^{\sqrt{x}y^2} + 1/2 e^{-\sqrt{x}y^2}$   | AB  | W  | CH  | PLUS  |
| 2974 | 1758 | 1 | $1/2 e^{\frac{\sqrt{x}}{y^2}} + 1/2 e^{-\frac{\sqrt{x}}{y^2}}$                           | AB  | W  | CH  | MINUS |
| 2975 | 1759 | 1 | $\frac{e^{2\sqrt{x}y^2}-1}{e^{2\sqrt{x}y^2}+1}$  | AB  | W  | TH  | PLUS  |
| 2976 | 1760 | 1 | $1\left(e^{2\frac{\sqrt{x}}{y^2}}-1\right)\left(e^{2\frac{\sqrt{x}}{y^2}}+1\right)^{-1}$ | AB  | W  | TH  | MINUS |
| 2977 | 1761 | 1 | $\sqrt{x}\sqrt[3]{y}$  | AB  | K  | CD  | PLUS  |
| 2978 | 1761 | 2 |  | AB  | KI | CD  | MINUS |
| 2979 | 1761 | 3 |  | ABI | K  | CDI | MINUS |
| 2980 | 1761 | 4 |  | ABI | KI | CDI | PLUS  |
| 2981 | 1762 | 1 | $\frac{\sqrt{x}}{\sqrt[3]{y}}$   | AB  | K  | CD  | MINUS |
| 2982 | 1762 | 2 |  | AB  | KI | CD  | PLUS  |
| 2983 | 1762 | 3 |  | ABI | K  | CDI | PLUS  |
| 2984 | 1762 | 4 |  | ABI | KI | CDI | MINUS |
| 2985 | 1763 | 1 | $\frac{1}{\sqrt{x}\sqrt[3]{y}}$  | AB  | K  | CDI | PLUS  |
| 2986 | 1763 | 2 |  | AB  | KI | CDI | MINUS |
| 2987 | 1763 | 3 |  | ABI | K  | CD  | MINUS |
| 2988 | 1763 | 4 |  | ABI | KI | CD  | PLUS  |
| 2989 | 1764 | 1 | $\frac{\sqrt[3]{y}}{\sqrt{x}}$   | AB  | K  | CDI | MINUS |
| 2990 | 1764 | 2 |  | AB  | KI | CDI | PLUS  |
| 2991 | 1764 | 3 |  | ABI | K  | CD  | PLUS  |

|      |      |   |                                       |     |    |      |       |
|------|------|---|---------------------------------------|-----|----|------|-------|
| 2992 | 1764 | 4 |                                       | ABI | KI | CD   | MINUS |
| 2993 | 1765 | 1 | $\sqrt{x}\sqrt[3]{y}\pi$              | AB  | K  | CDF  | PLUS  |
| 2994 | 1765 | 2 |                                       | AB  | KI | CDF  | MINUS |
| 2995 | 1766 | 1 | $\frac{\sqrt{x}\pi}{\sqrt[3]{y}}$     | AB  | K  | CDF  | MINUS |
| 2996 | 1766 | 2 |                                       | AB  | KI | CDF  | PLUS  |
| 2997 | 1767 | 1 | $\frac{1}{\sqrt{x}\sqrt[3]{y}\pi}$    | AB  | K  | CDIF | PLUS  |
| 2998 | 1767 | 2 |                                       | AB  | KI | CDIF | MINUS |
| 2999 | 1768 | 1 | $\frac{\sqrt[3]{y}}{\sqrt{x}\pi}$     | AB  | K  | CDIF | MINUS |
| 3000 | 1768 | 2 |                                       | AB  | KI | CDIF | PLUS  |
| 3001 | 1769 | 1 | $xy^{2/3}$                            | AB  | K  | AB   | PLUS  |
| 3002 | 1769 | 2 |                                       | AB  | KI | AB   | MINUS |
| 3003 | 1769 | 3 |                                       | ABI | K  | ABI  | MINUS |
| 3004 | 1769 | 4 |                                       | ABI | KI | ABI  | PLUS  |
| 3005 | 1770 | 1 | $\frac{x}{y^{2/3}}$                   | AB  | K  | AB   | MINUS |
| 3006 | 1770 | 2 |                                       | AB  | KI | AB   | PLUS  |
| 3007 | 1770 | 3 |                                       | ABI | K  | ABI  | PLUS  |
| 3008 | 1770 | 4 |                                       | ABI | KI | ABI  | MINUS |
| 3009 | 1771 | 1 | $\sqrt{\sqrt{x}\sqrt[3]{y}}$          | AB  | K  | W    | PLUS  |
| 3010 | 1771 | 2 |                                       | AB  | KI | W    | MINUS |
| 3011 | 1772 | 1 | $\sqrt{\frac{\sqrt{x}}{\sqrt[3]{y}}}$ | AB  | K  | W    | MINUS |
| 3012 | 1772 | 2 |                                       | AB  | KI | W    | PLUS  |
| 3013 | 1773 | 1 | $\frac{1}{xy^{2/3}}$                  | AB  | K  | ABI  | PLUS  |
| 3014 | 1773 | 2 |                                       | AB  | KI | ABI  | MINUS |
| 3015 | 1773 | 3 |                                       | ABI | K  | AB   | MINUS |
| 3016 | 1773 | 4 |                                       | ABI | KI | AB   | PLUS  |
| 3017 | 1774 | 1 | $\frac{y^{2/3}}{x}$                   | AB  | K  | ABI  | MINUS |
| 3018 | 1774 | 2 |                                       | AB  | KI | ABI  | PLUS  |
| 3019 | 1774 | 3 |                                       | ABI | K  | AB   | PLUS  |
| 3020 | 1774 | 4 |                                       | ABI | KI | AB   | MINUS |
| 3021 | 1775 | 1 | $x^{3/2}y$                            | AB  | K  | K    | PLUS  |
| 3022 | 1775 | 2 |                                       | AB  | KI | K    | MINUS |
| 3023 | 1775 | 3 |                                       | ABI | K  | KI   | MINUS |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 3024 | 1775 | 4 |  | ABI | KI | KI | PLUS  |
| 3025 | 1776 | 1 | $\frac{x^{3/2}}{y}$                                | AB  | K  | K  | MINUS |
| 3026 | 1776 | 2 |  | AB  | KI | K  | PLUS  |
| 3027 | 1776 | 3 |  | ABI | K  | KI | PLUS  |
| 3028 | 1776 | 4 |  | ABI | KI | KI | MINUS |
| 3029 | 1777 | 1 | $\frac{1}{x^{3/2}y}$                               | AB  | K  | KI | PLUS  |
| 3030 | 1777 | 2 |  | AB  | KI | KI | MINUS |
| 3031 | 1777 | 3 |  | ABI | K  | K  | MINUS |
| 3032 | 1777 | 4 |  | ABI | KI | K  | PLUS  |
| 3033 | 1778 | 1 | $\frac{y}{x^{3/2}}$                                | AB  | K  | KI | MINUS |
| 3034 | 1778 | 2 |  | AB  | KI | KI | PLUS  |
| 3035 | 1778 | 3 |  | ABI | K  | K  | PLUS  |
| 3036 | 1778 | 4 |  | ABI | KI | K  | MINUS |
| 3037 | 1779 | 1 | $e^{\sqrt{x}\sqrt[3]{y}}$                          | AB  | K  | LL | PLUS  |
| 3038 | 1779 | 2 |  | AB  | KI | LL | MINUS |
| 3039 | 1780 | 1 | $e^{\frac{\sqrt{x}}{\sqrt[3]{y}}}$                 | AB  | K  | LL | MINUS |
| 3040 | 1780 | 2 |  | AB  | KI | LL | PLUS  |
| 3041 | 1781 | 1 | $LOG(\sqrt{x}\sqrt[3]{y})$                         | AB  | K  | L  | PLUS  |
| 3042 | 1781 | 2 |  | AB  | KI | L  | MINUS |
| 3043 | 1782 | 1 | $LOG\left(\frac{\sqrt{x}}{\sqrt[3]{y}}\right)$     | AB  | K  | L  | MINUS |
| 3044 | 1782 | 2 |  | AB  | KI | L  | PLUS  |
| 3045 | 1783 | 1 | $\arcsin(\sqrt{x}\sqrt[3]{y})$                     | AB  | K  | S  | PLUS  |
| 3046 | 1783 | 2 |  | AB  | KI | S  | MINUS |
| 3047 | 1784 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\sqrt[3]{y}}\right)$ | AB  | K  | S  | MINUS |
| 3048 | 1784 | 2 |  | AB  | KI | S  | PLUS  |
| 3049 | 1785 | 1 | $\arctan(\sqrt{x}\sqrt[3]{y})$                     | AB  | K  | T  | PLUS  |
| 3050 | 1785 | 2 |  | AB  | KI | T  | MINUS |
| 3051 | 1786 | 1 | $\arctan\left(\frac{\sqrt{x}}{\sqrt[3]{y}}\right)$ | AB  | K  | T  | MINUS |
| 3052 | 1786 | 2 |  | AB  | KI | T  | PLUS  |
| 3053 | 1787 | 1 | $\sqrt{-xy^{2/3}+1}$                               | AB  | K  | P  | PLUS  |
| 3054 | 1787 | 2 |  | AB  | KI | P  | MINUS |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 3055 | 1788 | 1 | $\sqrt{\frac{y^{2/3}-x}{y^{2/3}}}$   | AB  | K  | P   | MINUS |
| 3056 | 1788 | 2 |  | AB  | KI | P   | PLUS  |
| 3057 | 1789 | 1 | $\sqrt{xy^{2/3}+1}$  | AB  | K  | H   | PLUS  |
| 3058 | 1789 | 2 |  | AB  | KI | H   | MINUS |
| 3059 | 1790 | 1 | $\sqrt{\frac{y^{2/3}+x}{y^{2/3}}}$   | AB  | K  | H   | MINUS |
| 3060 | 1790 | 2 |  | AB  | KI | H   | PLUS  |
| 3061 | 1791 | 1 | $1/2 e^{\sqrt{x} \sqrt[3]{y}} - 1/2 e^{-\sqrt{x} \sqrt[3]{y}}$   | AB  | K  | SH  | PLUS  |
| 3062 | 1791 | 2 |  | AB  | KI | SH  | MINUS |
| 3063 | 1792 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt[3]{y}}} - 1/2 e^{-\frac{\sqrt{x}}{\sqrt[3]{y}}}$                                     | AB  | K  | SH  | MINUS |
| 3064 | 1792 | 2 |  | AB  | KI | SH  | PLUS  |
| 3065 | 1793 | 1 | $1/2 e^{\sqrt{x} \sqrt[3]{y}} + 1/2 e^{-\sqrt{x} \sqrt[3]{y}}$   | AB  | K  | CH  | PLUS  |
| 3066 | 1793 | 2 |  | AB  | KI | CH  | MINUS |
| 3067 | 1794 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt[3]{y}}} + 1/2 e^{-\frac{\sqrt{x}}{\sqrt[3]{y}}}$                                     | AB  | K  | CH  | MINUS |
| 3068 | 1794 | 2 |  | AB  | KI | CH  | PLUS  |
| 3069 | 1795 | 1 | $\frac{e^{2\sqrt{x} \sqrt[3]{y}}-1}{e^{2\sqrt{x} \sqrt[3]{y}}+1}$  | AB  | K  | TH  | PLUS  |
| 3070 | 1795 | 2 |  | AB  | KI | TH  | MINUS |
| 3071 | 1796 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\sqrt[3]{y}}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\sqrt[3]{y}}} + 1 \right)^{-1}$ | AB  | K  | TH  | MINUS |
| 3072 | 1796 | 2 |  | AB  | KI | TH  | PLUS  |
| 3073 | 1797 | 1 | $\sqrt{x} \ln(y)$  | AB  | LL | CD  | PLUS  |
| 3074 | 1797 | 2 |  | ABI | LL | CDI | MINUS |
| 3075 | 1798 | 1 | $\frac{\sqrt{x}}{\ln(y)}$  | AB  | LL | CD  | MINUS |
| 3076 | 1798 | 2 |  | ABI | LL | CDI | PLUS  |
| 3077 | 1799 | 1 | $\frac{1}{\sqrt{x} \ln(y)}$  | AB  | LL | CDI | PLUS  |
| 3078 | 1799 | 2 |  | ABI | LL | CD  | MINUS |
| 3079 | 1800 | 1 | $\frac{\ln(y)}{\sqrt{x}}$  | AB  | LL | CDI | MINUS |
| 3080 | 1800 | 2 |  | ABI | LL | CD  | PLUS  |
| 3081 | 1801 | 1 | $\sqrt{x} \ln(y) \pi$  | AB  | LL | CDF | PLUS  |

|      |      |   |   |     |    |      |       |
|------|------|---|---|-----|----|------|-------|
| 3082 | 1802 | 1 | $\frac{\sqrt{x}\pi}{\ln(y)}$              | AB  | LL | CDF  | MINUS |
| 3083 | 1803 | 1 | $\frac{1}{\sqrt{x \ln(y)}\pi}$            | AB  | LL | CDIF | PLUS  |
| 3084 | 1804 | 1 | $\frac{\ln(y)}{\sqrt{x}\pi}$              | AB  | LL | CDIF | MINUS |
| 3085 | 1805 | 1 | $x (\ln(y))^2$                            | AB  | LL | AB   | PLUS  |
| 3086 | 1805 | 2 |   | ABI | LL | ABI  | MINUS |
| 3087 | 1806 | 1 | $\frac{x}{(\ln(y))^2}$                    | AB  | LL | AB   | MINUS |
| 3088 | 1806 | 2 |   | ABI | LL | ABI  | PLUS  |
| 3089 | 1807 | 1 | $\sqrt{\sqrt{x} \ln(y)}$                  | AB  | LL | W    | PLUS  |
| 3090 | 1808 | 1 | $\sqrt{\frac{\sqrt{x}}{\ln(y)}}$          | AB  | LL | W    | MINUS |
| 3091 | 1809 | 1 | $\frac{1}{x(\ln(y))^2}$                   | AB  | LL | ABI  | PLUS  |
| 3092 | 1809 | 2 |   | ABI | LL | AB   | MINUS |
| 3093 | 1810 | 1 | $\frac{(\ln(y))^2}{x}$                    | AB  | LL | ABI  | MINUS |
| 3094 | 1810 | 2 |   | ABI | LL | AB   | PLUS  |
| 3095 | 1811 | 1 | $x^{3/2} (\ln(y))^3$                      | AB  | LL | K    | PLUS  |
| 3096 | 1811 | 2 |   | ABI | LL | KI   | MINUS |
| 3097 | 1812 | 1 | $\frac{x^{3/2}}{(\ln(y))^3}$              | AB  | LL | K    | MINUS |
| 3098 | 1812 | 2 |   | ABI | LL | KI   | PLUS  |
| 3099 | 1813 | 1 | $\frac{1}{x^{3/2}(\ln(y))^3}$             | AB  | LL | KI   | PLUS  |
| 3100 | 1813 | 2 |   | ABI | LL | K    | MINUS |
| 3101 | 1814 | 1 | $\frac{(\ln(y))^3}{x^{3/2}}$              | AB  | LL | KI   | MINUS |
| 3102 | 1814 | 2 |   | ABI | LL | K    | PLUS  |
| 3103 | 1815 | 1 | $y^{\sqrt{x}}$                            | AB  | LL | LL   | PLUS  |
| 3104 | 1816 | 1 | $e^{\frac{\sqrt{x}}{\ln(y)}}$             | AB  | LL | LL   | MINUS |
| 3105 | 1817 | 1 | $LOG(\sqrt{x} \ln(y))$                    | AB  | LL | L    | PLUS  |
| 3106 | 1818 | 1 | $LOG\left(\frac{\sqrt{x}}{\ln(y)}\right)$ | AB  | LL | L    | MINUS |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 3107 | 1819 | 1 | $\arcsin(\sqrt{x} \ln(y))$   | AB  | LL | S   | PLUS  |
| 3108 | 1820 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\ln(y)}\right)$  | AB  | LL | S   | MINUS |
| 3109 | 1821 | 1 | $\arctan(\sqrt{x} \ln(y))$   | AB  | LL | T   | PLUS  |
| 3110 | 1822 | 1 | $\arctan\left(\frac{\sqrt{x}}{\ln(y)}\right)$  | AB  | LL | T   | MINUS |
| 3111 | 1823 | 1 | $\sqrt{-x(\ln(y))^2 + 1}$  | AB  | LL | P   | PLUS  |
| 3112 | 1824 | 1 | $\sqrt{\frac{(\ln(y))^2 - x}{(\ln(y))^2}}$   | AB  | LL | P   | MINUS |
| 3113 | 1825 | 1 | $\sqrt{x(\ln(y))^2 + 1}$   | AB  | LL | H   | PLUS  |
| 3114 | 1826 | 1 | $\sqrt{\frac{(\ln(y))^2 + x}{(\ln(y))^2}}$   | AB  | LL | H   | MINUS |
| 3115 | 1827 | 1 | $1/2 y^{\sqrt{x}} - 1/2 y^{-\sqrt{x}}$   | AB  | LL | SH  | PLUS  |
| 3116 | 1828 | 1 | $1/2 e^{\frac{\sqrt{x}}{\ln(y)}} - 1/2 e^{-\frac{\sqrt{x}}{\ln(y)}}$                                     | AB  | LL | SH  | MINUS |
| 3117 | 1829 | 1 | $1/2 y^{\sqrt{x}} + 1/2 y^{-\sqrt{x}}$   | AB  | LL | CH  | PLUS  |
| 3118 | 1830 | 1 | $1/2 e^{\frac{\sqrt{x}}{\ln(y)}} + 1/2 e^{-\frac{\sqrt{x}}{\ln(y)}}$                                     | AB  | LL | CH  | MINUS |
| 3119 | 1831 | 1 | $\frac{y^{2\sqrt{x}} - 1}{y^{2\sqrt{x}} + 1}$  | AB  | LL | TH  | PLUS  |
| 3120 | 1832 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\ln(y)}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\ln(y)}} + 1 \right)^{-1}$ | AB  | LL | TH  | MINUS |
| 3121 | 1833 | 1 | $\sqrt{x} EXP(y)$  | AB  | L  | CD  | PLUS  |
| 3122 | 1833 | 2 |  | ABI | L  | CDI | MINUS |
| 3123 | 1834 | 1 | $\frac{\sqrt{x}}{EXP(y)}$  | AB  | L  | CD  | MINUS |
| 3124 | 1834 | 2 |  | ABI | L  | CDI | PLUS  |
| 3125 | 1835 | 1 | $\frac{1}{\sqrt{x} EXP(y)}$  | AB  | L  | CDI | PLUS  |
| 3126 | 1835 | 2 |  | ABI | L  | CD  | MINUS |
| 3127 | 1836 | 1 | $\frac{EXP(y)}{\sqrt{x}}$  | AB  | L  | CDI | MINUS |

|      |      |   |                                  |     |   |      |       |
|------|------|---|----------------------------------|-----|---|------|-------|
| 3128 | 1836 | 2 |                                  | ABI | L | CD   | PLUS  |
| 3129 | 1837 | 1 | $\sqrt{x}EXP(y)\pi$              | AB  | L | CDF  | PLUS  |
| 3130 | 1838 | 1 | $\frac{\sqrt{x}\pi}{EXP(y)}$     | AB  | L | CDF  | MINUS |
| 3131 | 1839 | 1 | $\frac{1}{\sqrt{x}EXP(y)\pi}$    | AB  | L | CDIF | PLUS  |
| 3132 | 1840 | 1 | $\frac{EXP(y)}{\sqrt{x}\pi}$     | AB  | L | CDIF | MINUS |
| 3133 | 1841 | 1 | $x(EXP(y))^2$                    | AB  | L | AB   | PLUS  |
| 3134 | 1841 | 2 |                                  | ABI | L | ABI  | MINUS |
| 3135 | 1842 | 1 | $\frac{x}{(EXP(y))^2}$           | AB  | L | AB   | MINUS |
| 3136 | 1842 | 2 |                                  | ABI | L | ABI  | PLUS  |
| 3137 | 1843 | 1 | $\sqrt{\sqrt{x}EXP(y)}$          | AB  | L | W    | PLUS  |
| 3138 | 1844 | 1 | $\sqrt{\frac{\sqrt{x}}{EXP(y)}}$ | AB  | L | W    | MINUS |
| 3139 | 1845 | 1 | $\frac{1}{x(EXP(y))^2}$          | AB  | L | ABI  | PLUS  |
| 3140 | 1845 | 2 |                                  | ABI | L | AB   | MINUS |
| 3141 | 1846 | 1 | $\frac{(EXP(y))^2}{x}$           | AB  | L | ABI  | MINUS |
| 3142 | 1846 | 2 |                                  | ABI | L | AB   | PLUS  |
| 3143 | 1847 | 1 | $x^{3/2}(EXP(y))^3$              | AB  | L | K    | PLUS  |
| 3144 | 1847 | 2 |                                  | ABI | L | KI   | MINUS |
| 3145 | 1848 | 1 | $\frac{x^{3/2}}{(EXP(y))^3}$     | AB  | L | K    | MINUS |
| 3146 | 1848 | 2 |                                  | ABI | L | KI   | PLUS  |
| 3147 | 1849 | 1 | $\frac{1}{x^{3/2}(EXP(y))^3}$    | AB  | L | KI   | PLUS  |
| 3148 | 1849 | 2 |                                  | ABI | L | K    | MINUS |
| 3149 | 1850 | 1 | $\frac{(EXP(y))^3}{x^{3/2}}$     | AB  | L | KI   | MINUS |
| 3150 | 1850 | 2 |                                  | ABI | L | K    | PLUS  |
| 3151 | 1851 | 1 | $e^{\sqrt{x}EXP(y)}$             | AB  | L | LL   | PLUS  |
| 3152 | 1852 | 1 | $e^{\frac{\sqrt{x}}{EXP(y)}}$    | AB  | L | LL   | MINUS |



|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 3153 | 1853 | 1 | $LOG(\sqrt{x}EXP(y))$  | AB  | L | L   | PLUS  |
| 3154 | 1854 | 1 | $LOG\left(\frac{\sqrt{x}}{EXP(y)}\right)$  | AB  | L | L   | MINUS |
| 3155 | 1855 | 1 | $\arcsin(\sqrt{x}EXP(y))$  | AB  | L | S   | PLUS  |
| 3156 | 1856 | 1 | $\arcsin\left(\frac{\sqrt{x}}{EXP(y)}\right)$  | AB  | L | S   | MINUS |
| 3157 | 1857 | 1 | $\arctan(\sqrt{x}EXP(y))$  | AB  | L | T   | PLUS  |
| 3158 | 1858 | 1 | $\arctan\left(\frac{\sqrt{x}}{EXP(y)}\right)$  | AB  | L | T   | MINUS |
| 3159 | 1859 | 1 | $\sqrt{-x(EXP(y))^2+1}$  | AB  | L | P   | PLUS  |
| 3160 | 1860 | 1 | $\sqrt{\frac{(EXP(y))^2-x}{(EXP(y))^2}}$   | AB  | L | P   | MINUS |
| 3161 | 1861 | 1 | $\sqrt{x(EXP(y))^2+1}$   | AB  | L | H   | PLUS  |
| 3162 | 1862 | 1 | $\sqrt{\frac{(EXP(y))^2+x}{(EXP(y))^2}}$   | AB  | L | H   | MINUS |
| 3163 | 1863 | 1 | $1/2 e^{\sqrt{x}EXP(y)} - 1/2 e^{-\sqrt{x}EXP(y)}$   | AB  | L | SH  | PLUS  |
| 3164 | 1864 | 1 | $1/2 e^{\frac{\sqrt{x}}{EXP(y)}} - 1/2 e^{-\frac{\sqrt{x}}{EXP(y)}}$                           | AB  | L | SH  | MINUS |
| 3165 | 1865 | 1 | $1/2 e^{\sqrt{x}EXP(y)} + 1/2 e^{-\sqrt{x}EXP(y)}$   | AB  | L | CH  | PLUS  |
| 3166 | 1866 | 1 | $1/2 e^{\frac{\sqrt{x}}{EXP(y)}} + 1/2 e^{-\frac{\sqrt{x}}{EXP(y)}}$                           | AB  | L | CH  | MINUS |
| 3167 | 1867 | 1 | $\frac{e^{2\sqrt{x}EXP(y)}-1}{e^{2\sqrt{x}EXP(y)}+1}$  | AB  | L | TH  | PLUS  |
| 3168 | 1868 | 1 | $1\left(e^{2\frac{\sqrt{x}}{EXP(y)}}-1\right)\left(e^{2\frac{\sqrt{x}}{EXP(y)}}+1\right)^{-1}$ | AB  | L | TH  | MINUS |
| 3169 | 1869 | 1 | $\sqrt{x}\sin(y)$  | AB  | S | CD  | PLUS  |
| 3170 | 1869 | 2 |  | ABI | S | CDI | MINUS |
| 3171 | 1870 | 1 | $\frac{\sqrt{x}}{\sin(y)}$   | AB  | S | CD  | MINUS |
| 3172 | 1870 | 2 |  | ABI | S | CDI | PLUS  |
| 3173 | 1871 | 1 | $\frac{1}{\sqrt{x}\sin(y)}$  | AB  | S | CDI | PLUS  |

|      |      |   |                                   |     |   |      |       |
|------|------|---|-----------------------------------|-----|---|------|-------|
| 3174 | 1871 | 2 |                                   | ABI | S | CD   | MINUS |
| 3175 | 1872 | 1 | $\frac{\sin(y)}{\sqrt{x}}$        | AB  | S | CDI  | MINUS |
| 3176 | 1872 | 2 |                                   | ABI | S | CD   | PLUS  |
| 3177 | 1873 | 1 | $\sqrt{x} \sin(y) \pi$            | AB  | S | CDF  | PLUS  |
| 3178 | 1874 | 1 | $\frac{\sqrt{x} \pi}{\sin(y)}$    | AB  | S | CDF  | MINUS |
| 3179 | 1875 | 1 | $\frac{1}{\sqrt{x} \sin(y) \pi}$  | AB  | S | CDIF | PLUS  |
| 3180 | 1876 | 1 | $\frac{\sin(y)}{\sqrt{x} \pi}$    | AB  | S | CDIF | MINUS |
| 3181 | 1877 | 1 | $x (\sin(y))^2$                   | AB  | S | AB   | PLUS  |
| 3182 | 1877 | 2 |                                   | ABI | S | ABI  | MINUS |
| 3183 | 1878 | 1 | $\frac{x}{(\sin(y))^2}$           | AB  | S | AB   | MINUS |
| 3184 | 1878 | 2 |                                   | ABI | S | ABI  | PLUS  |
| 3185 | 1879 | 1 | $\sqrt{\sqrt{x} \sin(y)}$         | AB  | S | W    | PLUS  |
| 3186 | 1880 | 1 | $\sqrt{\frac{\sqrt{x}}{\sin(y)}}$ | AB  | S | W    | MINUS |
| 3187 | 1881 | 1 | $\frac{1}{x (\sin(y))^2}$         | AB  | S | ABI  | PLUS  |
| 3188 | 1881 | 2 |                                   | ABI | S | AB   | MINUS |
| 3189 | 1882 | 1 | $\frac{(\sin(y))^2}{x}$           | AB  | S | ABI  | MINUS |
| 3190 | 1882 | 2 |                                   | ABI | S | AB   | PLUS  |
| 3191 | 1883 | 1 | $x^{3/2} (\sin(y))^3$             | AB  | S | K    | PLUS  |
| 3192 | 1883 | 2 |                                   | ABI | S | KI   | MINUS |
| 3193 | 1884 | 1 | $\frac{x^{3/2}}{(\sin(y))^3}$     | AB  | S | K    | MINUS |
| 3194 | 1884 | 2 |                                   | ABI | S | KI   | PLUS  |
| 3195 | 1885 | 1 | $\frac{1}{x^{3/2} (\sin(y))^3}$   | AB  | S | KI   | PLUS  |
| 3196 | 1885 | 2 |                                   | ABI | S | K    | MINUS |
| 3197 | 1886 | 1 | $\frac{(\sin(y))^3}{x^{3/2}}$     | AB  | S | KI   | MINUS |
| 3198 | 1886 | 2 |                                   | ABI | S | K    | PLUS  |
| 3199 | 1887 | 1 | $e^{\sqrt{x} \sin(y)}$            | AB  | S | LL   | PLUS  |

|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 3200 | 1888 | 1 | $e^{\frac{\sqrt{x}}{\sin(y)}}$   | AB  | S | LL  | MINUS |
| 3201 | 1889 | 1 | $LOG(\sqrt{x} \sin(y))$  | AB  | S | L   | PLUS  |
| 3202 | 1890 | 1 | $LOG\left(\frac{\sqrt{x}}{\sin(y)}\right)$   | AB  | S | L   | MINUS |
| 3203 | 1891 | 1 | $\arcsin(\sqrt{x} \sin(y))$  | AB  | S | S   | PLUS  |
| 3204 | 1892 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\sin(y)}\right)$   | AB  | S | S   | MINUS |
| 3205 | 1893 | 1 | $\arctan(\sqrt{x} \sin(y))$  | AB  | S | T   | PLUS  |
| 3206 | 1894 | 1 | $\arctan\left(\frac{\sqrt{x}}{\sin(y)}\right)$   | AB  | S | T   | MINUS |
| 3207 | 1895 | 1 | $\sqrt{(\cos(y))^2 x - x + 1}$   | AB  | S | P   | PLUS  |
| 3208 | 1896 | 1 | $\sqrt{\frac{(\sin(y))^2 - x}{(\sin(y))^2}}$   | AB  | S | P   | MINUS |
| 3209 | 1897 | 1 | $\sqrt{-(\cos(y))^2 x + x + 1}$  | AB  | S | H   | PLUS  |
| 3210 | 1898 | 1 | $\sqrt{\frac{(\sin(y))^2 + x}{(\sin(y))^2}}$   | AB  | S | H   | MINUS |
| 3211 | 1899 | 1 | $1/2 e^{\sqrt{x} \sin(y)} - 1/2 e^{-\sqrt{x} \sin(y)}$   | AB  | S | SH  | PLUS  |
| 3212 | 1900 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sin(y)}} - 1/2 e^{-\frac{\sqrt{x}}{\sin(y)}}$                                     | AB  | S | SH  | MINUS |
| 3213 | 1901 | 1 | $1/2 e^{\sqrt{x} \sin(y)} + 1/2 e^{-\sqrt{x} \sin(y)}$   | AB  | S | CH  | PLUS  |
| 3214 | 1902 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sin(y)}} + 1/2 e^{-\frac{\sqrt{x}}{\sin(y)}}$                                     | AB  | S | CH  | MINUS |
| 3215 | 1903 | 1 | $\frac{e^{2\sqrt{x} \sin(y)} - 1}{e^{2\sqrt{x} \sin(y)} + 1}$  | AB  | S | TH  | PLUS  |
| 3216 | 1904 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\sin(y)}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\sin(y)}} + 1 \right)^{-1}$ | AB  | S | TH  | MINUS |
| 3217 | 1905 | 1 | $\sqrt{x} \tan(y)$   | AB  | T | CD  | PLUS  |
| 3218 | 1905 | 2 |  | ABI | T | CDI | MINUS |
| 3219 | 1906 | 1 | $\frac{\sqrt{x}}{\tan(y)}$   | AB  | T | CD  | MINUS |

|      |      |   |                                   |     |   |      |       |
|------|------|---|-----------------------------------|-----|---|------|-------|
| 3220 | 1906 | 2 |                                   | ABI | T | CDI  | PLUS  |
| 3221 | 1907 | 1 | $\frac{1}{\sqrt{x} \tan(y)}$      | AB  | T | CDI  | PLUS  |
| 3222 | 1907 | 2 |                                   | ABI | T | CD   | MINUS |
| 3223 | 1908 | 1 | $\frac{\tan(y)}{\sqrt{x}}$        | AB  | T | CDI  | MINUS |
| 3224 | 1908 | 2 |                                   | ABI | T | CD   | PLUS  |
| 3225 | 1909 | 1 | $\sqrt{x} \tan(y) \pi$            | AB  | T | CDF  | PLUS  |
| 3226 | 1910 | 1 | $\frac{\sqrt{x} \pi}{\tan(y)}$    | AB  | T | CDF  | MINUS |
| 3227 | 1911 | 1 | $\frac{1}{\sqrt{x} \tan(y) \pi}$  | AB  | T | CDIF | PLUS  |
| 3228 | 1912 | 1 | $\frac{\tan(y)}{\sqrt{x} \pi}$    | AB  | T | CDIF | MINUS |
| 3229 | 1913 | 1 | $x (\tan(y))^2$                   | AB  | T | AB   | PLUS  |
| 3230 | 1913 | 2 |                                   | ABI | T | ABI  | MINUS |
| 3231 | 1914 | 1 | $\frac{x}{(\tan(y))^2}$           | AB  | T | AB   | MINUS |
| 3232 | 1914 | 2 |                                   | ABI | T | ABI  | PLUS  |
| 3233 | 1915 | 1 | $\sqrt{\sqrt{x} \tan(y)}$         | AB  | T | W    | PLUS  |
| 3234 | 1916 | 1 | $\sqrt{\frac{\sqrt{x}}{\tan(y)}}$ | AB  | T | W    | MINUS |
| 3235 | 1917 | 1 | $\frac{1}{x(\tan(y))^2}$          | AB  | T | ABI  | PLUS  |
| 3236 | 1917 | 2 |                                   | ABI | T | AB   | MINUS |
| 3237 | 1918 | 1 | $\frac{(\tan(y))^2}{x}$           | AB  | T | ABI  | MINUS |
| 3238 | 1918 | 2 |                                   | ABI | T | AB   | PLUS  |
| 3239 | 1919 | 1 | $x^{3/2} (\tan(y))^3$             | AB  | T | K    | PLUS  |
| 3240 | 1919 | 2 |                                   | ABI | T | KI   | MINUS |
| 3241 | 1920 | 1 | $\frac{x^{3/2}}{(\tan(y))^3}$     | AB  | T | K    | MINUS |
| 3242 | 1920 | 2 |                                   | ABI | T | KI   | PLUS  |
| 3243 | 1921 | 1 | $\frac{1}{x^{3/2} (\tan(y))^3}$   | AB  | T | KI   | PLUS  |
| 3244 | 1921 | 2 |                                   | ABI | T | K    | MINUS |
| 3245 | 1922 | 1 | $\frac{(\tan(y))^3}{x^{3/2}}$     | AB  | T | KI   | MINUS |

|      |      |   |  |     |   |    |       |
|------|------|---|--|-----|---|----|-------|
| 3246 | 1922 | 2 |  | ABI | T | K  | PLUS  |
| 3247 | 1923 | 1 | $e^{\sqrt{x} \tan(y)}$   | AB  | T | LL | PLUS  |
| 3248 | 1924 | 1 | $e^{\frac{\sqrt{x}}{\tan(y)}}$   | AB  | T | LL | MINUS |
| 3249 | 1925 | 1 | $LOG(\sqrt{x} \tan(y))$  | AB  | T | L  | PLUS  |
| 3250 | 1926 | 1 | $LOG\left(\frac{\sqrt{x}}{\tan(y)}\right)$   | AB  | T | L  | MINUS |
| 3251 | 1927 | 1 | $\arcsin(\sqrt{x} \tan(y))$  | AB  | T | S  | PLUS  |
| 3252 | 1928 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\tan(y)}\right)$   | AB  | T | S  | MINUS |
| 3253 | 1929 | 1 | $\arctan(\sqrt{x} \tan(y))$  | AB  | T | T  | PLUS  |
| 3254 | 1930 | 1 | $\arctan\left(\frac{\sqrt{x}}{\tan(y)}\right)$   | AB  | T | T  | MINUS |
| 3255 | 1931 | 1 | $\sqrt{\frac{(\cos(y))^2 x + (\cos(y))^2 - x}{(\cos(y))^2}}$   | AB  | T | P  | PLUS  |
| 3256 | 1932 | 1 | $\sqrt{\frac{(\tan(y))^2 - x}{(\tan(y))^2}}$   | AB  | T | P  | MINUS |
| 3257 | 1933 | 1 | $\sqrt{-\frac{(\cos(y))^2 x - (\cos(y))^2 - x}{(\cos(y))^2}}$  | AB  | T | H  | PLUS  |
| 3258 | 1934 | 1 | $\sqrt{\frac{(\tan(y))^2 + x}{(\tan(y))^2}}$   | AB  | T | H  | MINUS |
| 3259 | 1935 | 1 | $1/2 e^{\sqrt{x} \tan(y)} - 1/2 e^{-\sqrt{x} \tan(y)}$   | AB  | T | SH | PLUS  |
| 3260 | 1936 | 1 | $1/2 e^{\frac{\sqrt{x}}{\tan(y)}} - 1/2 e^{-\frac{\sqrt{x}}{\tan(y)}}$                                     | AB  | T | SH | MINUS |
| 3261 | 1937 | 1 | $1/2 e^{\sqrt{x} \tan(y)} + 1/2 e^{-\sqrt{x} \tan(y)}$   | AB  | T | CH | PLUS  |
| 3262 | 1938 | 1 | $1/2 e^{\frac{\sqrt{x}}{\tan(y)}} + 1/2 e^{-\frac{\sqrt{x}}{\tan(y)}}$                                     | AB  | T | CH | MINUS |
| 3263 | 1939 | 1 | $\frac{e^{2\sqrt{x} \tan(y)} - 1}{e^{2\sqrt{x} \tan(y)} + 1}$  | AB  | T | TH | PLUS  |
| 3264 | 1940 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\tan(y)}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\tan(y)}} + 1 \right)^{-1}$ | AB  | T | TH | MINUS |
| 3265 | 1941 | 1 | $\sqrt{x} \sqrt{-y^2 + 1}$   | AB  | P | CD | PLUS  |

|      |      |   |   |     |   |      |       |
|------|------|---|---|-----|---|------|-------|
| 3266 | 1941 | 2 |   | ABI | P | CDI  | MINUS |
| 3267 | 1942 | 1 | $\frac{\sqrt{x}}{\sqrt{-y^2+1}}$        | AB  | P | CD   | MINUS |
| 3268 | 1942 | 2 |   | ABI | P | CDI  | PLUS  |
| 3269 | 1943 | 1 | $\frac{1}{\sqrt{x}\sqrt{-y^2+1}}$       | AB  | P | CDI  | PLUS  |
| 3270 | 1943 | 2 |   | ABI | P | CD   | MINUS |
| 3271 | 1944 | 1 | $\frac{\sqrt{-y^2+1}}{\sqrt{x}}$        | AB  | P | CDI  | MINUS |
| 3272 | 1944 | 2 |   | ABI | P | CD   | PLUS  |
| 3273 | 1945 | 1 | $\sqrt{x}\sqrt{-y^2+1}\pi$              | AB  | P | CDF  | PLUS  |
| 3274 | 1946 | 1 | $\frac{\sqrt{x}\pi}{\sqrt{-y^2+1}}$     | AB  | P | CDF  | MINUS |
| 3275 | 1947 | 1 | $\frac{1}{\sqrt{x}\sqrt{-y^2+1}\pi}$    | AB  | P | CDIF | PLUS  |
| 3276 | 1948 | 1 | $\frac{\sqrt{-y^2+1}}{\sqrt{x}\pi}$     | AB  | P | CDIF | MINUS |
| 3277 | 1949 | 1 | $x(-y^2+1)$                             | AB  | P | AB   | PLUS  |
| 3278 | 1949 | 2 |   | ABI | P | ABI  | MINUS |
| 3279 | 1950 | 1 | $-\frac{x}{y^2-1}$                      | AB  | P | AB   | MINUS |
| 3280 | 1950 | 2 |   | ABI | P | ABI  | PLUS  |
| 3281 | 1951 | 1 | $\sqrt{\sqrt{x}\sqrt{-y^2+1}}$          | AB  | P | W    | PLUS  |
| 3282 | 1952 | 1 | $\sqrt{\frac{\sqrt{x}}{\sqrt{-y^2+1}}}$ | AB  | P | W    | MINUS |
| 3283 | 1953 | 1 | $-\frac{1}{x(y^2-1)}$                   | AB  | P | ABI  | PLUS  |
| 3284 | 1953 | 2 |   | ABI | P | AB   | MINUS |
| 3285 | 1954 | 1 | $\frac{-y^2+1}{x}$                      | AB  | P | ABI  | MINUS |
| 3286 | 1954 | 2 |   | ABI | P | AB   | PLUS  |
| 3287 | 1955 | 1 | $x^{3/2}(-y^2+1)^{3/2}$                 | AB  | P | K    | PLUS  |
| 3288 | 1955 | 2 |   | ABI | P | KI   | MINUS |
| 3289 | 1956 | 1 | $\frac{x^{3/2}}{(-y^2+1)^{3/2}}$        | AB  | P | K    | MINUS |
| 3290 | 1956 | 2 |   | ABI | P | KI   | PLUS  |

|      |      |   |  |     |   |    |       |
|------|------|---|--|-----|---|----|-------|
| 3291 | 1957 | 1 | $\frac{1}{x^{3/2}(-y^2+1)^{3/2}}$                              | AB  | P | KI | PLUS  |
| 3292 | 1957 | 2 |  | ABI | P | K  | MINUS |
| 3293 | 1958 | 1 | $\frac{(-y^2+1)^{3/2}}{x^{3/2}}$                               | AB  | P | KI | MINUS |
| 3294 | 1958 | 2 |  | ABI | P | K  | PLUS  |
| 3295 | 1959 | 1 | $e^{\sqrt{x}\sqrt{-y^2+1}}$                                    | AB  | P | LL | PLUS  |
| 3296 | 1960 | 1 | $e^{\frac{\sqrt{x}}{\sqrt{-y^2+1}}}$                           | AB  | P | LL | MINUS |
| 3297 | 1961 | 1 | $LOG\left(\sqrt{x}\sqrt{-y^2+1}\right)$                        | AB  | P | L  | PLUS  |
| 3298 | 1962 | 1 | $LOG\left(\frac{\sqrt{x}}{\sqrt{-y^2+1}}\right)$               | AB  | P | L  | MINUS |
| 3299 | 1963 | 1 | $\arcsin\left(\sqrt{x}\sqrt{-y^2+1}\right)$                    | AB  | P | S  | PLUS  |
| 3300 | 1964 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\sqrt{-y^2+1}}\right)$           | AB  | P | S  | MINUS |
| 3301 | 1965 | 1 | $\arctan\left(\sqrt{x}\sqrt{-y^2+1}\right)$                    | AB  | P | T  | PLUS  |
| 3302 | 1966 | 1 | $\arctan\left(\frac{\sqrt{x}}{\sqrt{-y^2+1}}\right)$           | AB  | P | T  | MINUS |
| 3303 | 1967 | 1 | $\sqrt{xy^2-x+1}$  | AB  | P | P  | PLUS  |
| 3304 | 1967 | 2 |  | AB  | H | H  | PLUS  |
| 3305 | 1968 | 1 | $\sqrt{\frac{y^2+x-1}{y^2-1}}$                                 | AB  | P | P  | MINUS |
| 3306 | 1968 | 2 |  | AB  | H | H  | MINUS |
| 3307 | 1969 | 1 | $\sqrt{-xy^2+x+1}$   | AB  | P | H  | PLUS  |
| 3308 | 1969 | 2 |  | AB  | H | P  | PLUS  |
| 3309 | 1970 | 1 | $\sqrt{-\frac{y^2+x+1}{y^2-1}}$                                | AB  | P | H  | MINUS |
| 3310 | 1970 | 2 |  | AB  | H | P  | MINUS |
| 3311 | 1971 | 1 | $1/2e^{\sqrt{x}\sqrt{-y^2+1}} - 1/2e^{-\sqrt{x}\sqrt{-y^2+1}}$ | AB  | P | SH | PLUS  |

|      |      |   |  |     |   |      |       |
|------|------|---|--|-----|---|------|-------|
| 3312 | 1972 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{\sqrt{x}}{\sqrt{-y^2+1}}}$                                     | AB  | P | SH   | MINUS |
| 3313 | 1973 | 1 | $1/2 e^{\sqrt{x}\sqrt{-y^2+1}} + 1/2 e^{-\sqrt{x}\sqrt{-y^2+1}}$   | AB  | P | CH   | PLUS  |
| 3314 | 1974 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{\sqrt{x}}{\sqrt{-y^2+1}}}$                                     | AB  | P | CH   | MINUS |
| 3315 | 1975 | 1 | $\frac{e^{2\sqrt{x}\sqrt{-y^2+1}}-1}{e^{2\sqrt{x}\sqrt{-y^2+1}}+1}$  | AB  | P | TH   | PLUS  |
| 3316 | 1976 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\sqrt{-y^2+1}}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | AB  | P | TH   | MINUS |
| 3317 | 1977 | 1 | $\sqrt{x}\sqrt{y^2-1}$   | AB  | H | CD   | PLUS  |
| 3318 | 1977 | 2 |  | ABI | H | CDI  | MINUS |
| 3319 | 1978 | 1 | $\frac{\sqrt{x}}{\sqrt{y^2-1}}$  | AB  | H | CD   | MINUS |
| 3320 | 1978 | 2 |  | ABI | H | CDI  | PLUS  |
| 3321 | 1979 | 1 | $\frac{1}{\sqrt{x}\sqrt{y^2-1}}$   | AB  | H | CDI  | PLUS  |
| 3322 | 1979 | 2 |  | ABI | H | CD   | MINUS |
| 3323 | 1980 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt{x}}$  | AB  | H | CDI  | MINUS |
| 3324 | 1980 | 2 |  | ABI | H | CD   | PLUS  |
| 3325 | 1981 | 1 | $\sqrt{x}\sqrt{y^2-1}\pi$  | AB  | H | CDF  | PLUS  |
| 3326 | 1982 | 1 | $\frac{\sqrt{x}\pi}{\sqrt{y^2-1}}$   | AB  | H | CDF  | MINUS |
| 3327 | 1983 | 1 | $\frac{1}{\sqrt{x}\sqrt{y^2-1}\pi}$  | AB  | H | CDIF | PLUS  |
| 3328 | 1984 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt{x}\pi}$   | AB  | H | CDIF | MINUS |
| 3329 | 1985 | 1 | $x(y^2-1)$   | AB  | H | AB   | PLUS  |
| 3330 | 1985 | 2 |  | ABI | H | ABI  | MINUS |
| 3331 | 1986 | 1 | $\frac{x}{y^2-1}$  | AB  | H | AB   | MINUS |
| 3332 | 1986 | 2 |  | ABI | H | ABI  | PLUS  |
| 3333 | 1987 | 1 | $\sqrt{\sqrt{x}\sqrt{y^2-1}}$  | AB  | H | W    | PLUS  |



|      |      |   |  |     |   |     |       |
|------|------|---|--|-----|---|-----|-------|
| 3334 | 1988 | 1 | $\sqrt{\frac{\sqrt{x}}{\sqrt{y^2-1}}}$                         | AB  | H | W   | MINUS |
| 3335 | 1989 | 1 | $\frac{1}{x(y^2-1)}$   | AB  | H | ABI | PLUS  |
| 3336 | 1989 | 2 |  | ABI | H | AB  | MINUS |
| 3337 | 1990 | 1 | $\frac{y^2-1}{x}$  | AB  | H | ABI | MINUS |
| 3338 | 1990 | 2 |  | ABI | H | AB  | PLUS  |
| 3339 | 1991 | 1 | $x^{3/2}(y^2-1)^{3/2}$   | AB  | H | K   | PLUS  |
| 3340 | 1991 | 2 |  | ABI | H | KI  | MINUS |
| 3341 | 1992 | 1 | $\frac{x^{3/2}}{(y^2-1)^{3/2}}$                                | AB  | H | K   | MINUS |
| 3342 | 1992 | 2 |  | ABI | H | KI  | PLUS  |
| 3343 | 1993 | 1 | $\frac{1}{x^{3/2}(y^2-1)^{3/2}}$                               | AB  | H | KI  | PLUS  |
| 3344 | 1993 | 2 |  | ABI | H | K   | MINUS |
| 3345 | 1994 | 1 | $\frac{(y^2-1)^{3/2}}{x^{3/2}}$                                | AB  | H | KI  | MINUS |
| 3346 | 1994 | 2 |  | ABI | H | K   | PLUS  |
| 3347 | 1995 | 1 | $e^{\sqrt{x}\sqrt{y^2-1}}$                                     | AB  | H | LL  | PLUS  |
| 3348 | 1996 | 1 | $e^{\frac{\sqrt{x}}{\sqrt{y^2-1}}}$                            | AB  | H | LL  | MINUS |
| 3349 | 1997 | 1 | $LOG\left(\sqrt{x}\sqrt{y^2-1}\right)$                         | AB  | H | L   | PLUS  |
| 3350 | 1998 | 1 | $LOG\left(\frac{\sqrt{x}}{\sqrt{y^2-1}}\right)$                | AB  | H | L   | MINUS |
| 3351 | 1999 | 1 | $\arcsin\left(\sqrt{x}\sqrt{y^2-1}\right)$                     | AB  | H | S   | PLUS  |
| 3352 | 2000 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\sqrt{y^2-1}}\right)$            | AB  | H | S   | MINUS |
| 3353 | 2001 | 1 | $\arctan\left(\sqrt{x}\sqrt{y^2-1}\right)$                     | AB  | H | T   | PLUS  |
| 3354 | 2002 | 1 | $\arctan\left(\frac{\sqrt{x}}{\sqrt{y^2-1}}\right)$            | AB  | H | T   | MINUS |
| 3355 | 2003 | 1 | $1/2 e^{\sqrt{x}\sqrt{y^2-1}} - 1/2 e^{-\sqrt{x}\sqrt{y^2-1}}$ | AB  | H | SH  | PLUS  |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 3356 | 2004 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{\sqrt{x}}{\sqrt{y^2-1}}}$                                     | AB  | H  | SH   | MINUS |
| 3357 | 2005 | 1 | $1/2 e^{\sqrt{x}\sqrt{y^2-1}} + 1/2 e^{-\sqrt{x}\sqrt{y^2-1}}$   | AB  | H  | CH   | PLUS  |
| 3358 | 2006 | 1 | $1/2 e^{\frac{\sqrt{x}}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{\sqrt{x}}{\sqrt{y^2-1}}}$                                     | AB  | H  | CH   | MINUS |
| 3359 | 2007 | 1 | $\frac{e^{2\sqrt{x}\sqrt{y^2-1}}-1}{e^{2\sqrt{x}\sqrt{y^2-1}}+1}$  | AB  | H  | TH   | PLUS  |
| 3360 | 2008 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\sqrt{y^2-1}}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\sqrt{y^2-1}}} + 1 \right)^{-1}$ | AB  | H  | TH   | MINUS |
| 3361 | 2009 | 1 | $\sqrt{x} \ln \left( y + \sqrt{y^2+1} \right)$   | AB  | SH | CD   | PLUS  |
| 3362 | 2009 | 2 |  | ABI | SH | CDI  | MINUS |
| 3363 | 2010 | 1 | $\frac{\sqrt{x}}{\ln \left( y + \sqrt{y^2+1} \right)}$   | AB  | SH | CD   | MINUS |
| 3364 | 2010 | 2 |  | ABI | SH | CDI  | PLUS  |
| 3365 | 2011 | 1 | $\frac{1}{\sqrt{x} \ln \left( y + \sqrt{y^2+1} \right)}$   | AB  | SH | CDI  | PLUS  |
| 3366 | 2011 | 2 |  | ABI | SH | CD   | MINUS |
| 3367 | 2012 | 1 | $\frac{\ln \left( y + \sqrt{y^2+1} \right)}{\sqrt{x}}$   | AB  | SH | CDI  | MINUS |
| 3368 | 2012 | 2 |  | ABI | SH | CD   | PLUS  |
| 3369 | 2013 | 1 | $\sqrt{x} \ln \left( y + \sqrt{y^2+1} \right) \pi$   | AB  | SH | CDF  | PLUS  |
| 3370 | 2014 | 1 | $\frac{\sqrt{x}\pi}{\ln \left( y + \sqrt{y^2+1} \right)}$  | AB  | SH | CDF  | MINUS |
| 3371 | 2015 | 1 | $\frac{1}{\sqrt{x} \ln \left( y + \sqrt{y^2+1} \right) \pi}$   | AB  | SH | CDIF | PLUS  |
| 3372 | 2016 | 1 | $\frac{\ln \left( y + \sqrt{y^2+1} \right)}{\sqrt{x}\pi}$  | AB  | SH | CDIF | MINUS |
| 3373 | 2017 | 1 | $x \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2$   | AB  | SH | AB   | PLUS  |
| 3374 | 2017 | 2 |  | ABI | SH | ABI  | MINUS |
| 3375 | 2018 | 1 | $\frac{x}{\left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2}$   | AB  | SH | AB   | MINUS |
| 3376 | 2018 | 2 |  | ABI | SH | ABI  | PLUS  |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 3377 | 2019 | 1 | $\sqrt{\sqrt{x} \ln(y + \sqrt{y^2 + 1})}$                      | AB  | SH | W   | PLUS  |
| 3378 | 2020 | 1 | $\sqrt{\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 + 1})}}$              | AB  | SH | W   | MINUS |
| 3379 | 2021 | 1 | $\frac{1}{x(\ln(y + \sqrt{y^2 + 1}))^2}$                       | AB  | SH | ABI | PLUS  |
| 3380 | 2021 | 2 |  | ABI | SH | AB  | MINUS |
| 3381 | 2022 | 1 | $\frac{(\ln(y + \sqrt{y^2 + 1}))^2}{x}$                        | AB  | SH | ABI | MINUS |
| 3382 | 2022 | 2 |  | ABI | SH | AB  | PLUS  |
| 3383 | 2023 | 1 | $x^{3/2} (\ln(y + \sqrt{y^2 + 1}))^3$                          | AB  | SH | K   | PLUS  |
| 3384 | 2023 | 2 |  | ABI | SH | KI  | MINUS |
| 3385 | 2024 | 1 | $\frac{x^{3/2}}{(\ln(y + \sqrt{y^2 + 1}))^3}$                  | AB  | SH | K   | MINUS |
| 3386 | 2024 | 2 |  | ABI | SH | KI  | PLUS  |
| 3387 | 2025 | 1 | $\frac{1}{x^{3/2} (\ln(y + \sqrt{y^2 + 1}))^3}$                | AB  | SH | KI  | PLUS  |
| 3388 | 2025 | 2 |  | ABI | SH | K   | MINUS |
| 3389 | 2026 | 1 | $\frac{(\ln(y + \sqrt{y^2 + 1}))^3}{x^{3/2}}$                  | AB  | SH | KI  | MINUS |
| 3390 | 2026 | 2 |  | ABI | SH | K   | PLUS  |
| 3391 | 2027 | 1 | $(y + \sqrt{y^2 + 1})^{\sqrt{x}}$                              | AB  | SH | LL  | PLUS  |
| 3392 | 2028 | 1 | $e^{\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 + 1})}}$                 | AB  | SH | LL  | MINUS |
| 3393 | 2029 | 1 | $LOG(\sqrt{x} \ln(y + \sqrt{y^2 + 1}))$                        | AB  | SH | L   | PLUS  |
| 3394 | 2030 | 1 | $LOG\left(\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 + 1})}\right)$     | AB  | SH | L   | MINUS |
| 3395 | 2031 | 1 | $\arcsin(\sqrt{x} \ln(y + \sqrt{y^2 + 1}))$                    | AB  | SH | S   | PLUS  |
| 3396 | 2032 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 + 1})}\right)$ | AB  | SH | S   | MINUS |

|      |      |   |  |     |    |     |       |
|------|------|---|--|-----|----|-----|-------|
| 3397 | 2033 | 1 | $\arctan\left(\sqrt{x}\ln\left(y+\sqrt{y^2+1}\right)\right)$   | AB  | SH | T   | PLUS  |
| 3398 | 2034 | 1 | $\arctan\left(\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$  | AB  | SH | T   | MINUS |
| 3399 | 2035 | 1 | $\sqrt{-x\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$   | AB  | SH | P   | PLUS  |
| 3400 | 2036 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-x}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$                                 | AB  | SH | P   | MINUS |
| 3401 | 2037 | 1 | $\sqrt{x\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$  | AB  | SH | H   | PLUS  |
| 3402 | 2038 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+x}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$                                 | AB  | SH | H   | MINUS |
| 3403 | 2039 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt{x}}-1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt{x}}$   | AB  | SH | SH  | PLUS  |
| 3404 | 2040 | 1 | $1/2e^{\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}-1/2e^{-\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}$                               | AB  | SH | SH  | MINUS |
| 3405 | 2041 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt{x}}+1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt{x}}$   | AB  | SH | CH  | PLUS  |
| 3406 | 2042 | 1 | $1/2e^{\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}+1/2e^{-\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}$                               | AB  | SH | CH  | MINUS |
| 3407 | 2043 | 1 | $\frac{\left(y+\sqrt{y^2+1}\right)^{2\sqrt{x}}-1}{\left(y+\sqrt{y^2+1}\right)^{2\sqrt{x}}+1}$  | AB  | SH | TH  | PLUS  |
| 3408 | 2044 | 1 | $1\left(e^{2\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}-1\right)\left(e^{2\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}+1\right)^{-1}$ | AB  | SH | TH  | MINUS |
| 3409 | 2045 | 1 | $\sqrt{x}\ln\left(y+\sqrt{y^2-1}\right)$   | AB  | CH | CD  | PLUS  |
| 3410 | 2045 | 2 |  | ABI | CH | CDI | MINUS |
| 3411 | 2046 | 1 | $\frac{\sqrt{x}}{\ln\left(y+\sqrt{y^2-1}\right)}$  | AB  | CH | CD  | MINUS |
| 3412 | 2046 | 2 |  | ABI | CH | CDI | PLUS  |
| 3413 | 2047 | 1 | $\frac{1}{\sqrt{x}\ln\left(y+\sqrt{y^2-1}\right)}$   | AB  | CH | CDI | PLUS  |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 3414 | 2047 | 2 |  | ABI | CH | CD   | MINUS |
| 3415 | 2048 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x}}$                       | AB  | CH | CDI  | MINUS |
| 3416 | 2048 | 2 |  | ABI | CH | CD   | PLUS  |
| 3417 | 2049 | 1 | $\sqrt{x} \ln(y + \sqrt{y^2 - 1}) \pi$                       | AB  | CH | CDF  | PLUS  |
| 3418 | 2050 | 1 | $\frac{\sqrt{x} \pi}{\ln(y+\sqrt{y^2-1})}$                   | AB  | CH | CDF  | MINUS |
| 3419 | 2051 | 1 | $\frac{1}{\sqrt{x} \ln(y+\sqrt{y^2-1}) \pi}$                 | AB  | CH | CDIF | PLUS  |
| 3420 | 2052 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x} \pi}$                   | AB  | CH | CDIF | MINUS |
| 3421 | 2053 | 1 | $x \left( \ln(y + \sqrt{y^2 - 1}) \right)^2$                 | AB  | CH | AB   | PLUS  |
| 3422 | 2053 | 2 |  | ABI | CH | ABI  | MINUS |
| 3423 | 2054 | 1 | $\frac{x}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$         | AB  | CH | AB   | MINUS |
| 3424 | 2054 | 2 |  | ABI | CH | ABI  | PLUS  |
| 3425 | 2055 | 1 | $\sqrt{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}$                    | AB  | CH | W    | PLUS  |
| 3426 | 2056 | 1 | $\sqrt{\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}}$                | AB  | CH | W    | MINUS |
| 3427 | 2057 | 1 | $\frac{1}{x \left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$       | AB  | CH | ABI  | PLUS  |
| 3428 | 2057 | 2 |  | ABI | CH | AB   | MINUS |
| 3429 | 2058 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}{x}$         | AB  | CH | ABI  | MINUS |
| 3430 | 2058 | 2 |  | ABI | CH | AB   | PLUS  |
| 3431 | 2059 | 1 | $x^{3/2} \left( \ln(y + \sqrt{y^2 - 1}) \right)^3$           | AB  | CH | K    | PLUS  |
| 3432 | 2059 | 2 |  | ABI | CH | KI   | MINUS |
| 3433 | 2060 | 1 | $\frac{x^{3/2}}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3}$   | AB  | CH | K    | MINUS |
| 3434 | 2060 | 2 |  | ABI | CH | KI   | PLUS  |
| 3435 | 2061 | 1 | $\frac{1}{x^{3/2} \left( \ln(y + \sqrt{y^2 - 1}) \right)^3}$ | AB  | CH | KI   | PLUS  |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 3436 | 2061 | 2 |  | ABI | CH | K  | MINUS |
| 3437 | 2062 | 1 | $\frac{(\ln(y+\sqrt{y^2-1}))^3}{x^{3/2}}$  | AB  | CH | KI | MINUS |
| 3438 | 2062 | 2 |  | ABI | CH | K  | PLUS  |
| 3439 | 2063 | 1 | $(y + \sqrt{y^2-1})^{\sqrt{x}}$  | AB  | CH | LL | PLUS  |
| 3440 | 2064 | 1 | $e^{\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}}$   | AB  | CH | LL | MINUS |
| 3441 | 2065 | 1 | $LOG\left(\sqrt{x}\ln\left(y + \sqrt{y^2-1}\right)\right)$                                   | AB  | CH | L  | PLUS  |
| 3442 | 2066 | 1 | $LOG\left(\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}\right)$                                       | AB  | CH | L  | MINUS |
| 3443 | 2067 | 1 | $\arcsin\left(\sqrt{x}\ln\left(y + \sqrt{y^2-1}\right)\right)$                               | AB  | CH | S  | PLUS  |
| 3444 | 2068 | 1 | $\arcsin\left(\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}\right)$                                   | AB  | CH | S  | MINUS |
| 3445 | 2069 | 1 | $\arctan\left(\sqrt{x}\ln\left(y + \sqrt{y^2-1}\right)\right)$                               | AB  | CH | T  | PLUS  |
| 3446 | 2070 | 1 | $\arctan\left(\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}\right)$                                   | AB  | CH | T  | MINUS |
| 3447 | 2071 | 1 | $\sqrt{-x\left(\ln\left(y + \sqrt{y^2-1}\right)\right)^2 + 1}$                               | AB  | CH | P  | PLUS  |
| 3448 | 2072 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2 - x}{(\ln(y+\sqrt{y^2-1}))^2}}$                         | AB  | CH | P  | MINUS |
| 3449 | 2073 | 1 | $\sqrt{x\left(\ln\left(y + \sqrt{y^2-1}\right)\right)^2 + 1}$                                | AB  | CH | H  | PLUS  |
| 3450 | 2074 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2 + x}{(\ln(y+\sqrt{y^2-1}))^2}}$                         | AB  | CH | H  | MINUS |
| 3451 | 2075 | 1 | $1/2\left(y + \sqrt{y^2-1}\right)^{\sqrt{x}} - 1/2\left(y + \sqrt{y^2-1}\right)^{-\sqrt{x}}$ | AB  | CH | SH | PLUS  |
| 3452 | 2076 | 1 | $1/2e^{\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}} - 1/2e^{-\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})}}$ | AB  | CH | SH | MINUS |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 3453 | 2077 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{\sqrt{x}} + 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-\sqrt{x}}$                                     | AB  | CH | CH   | PLUS  |
| 3454 | 2078 | 1 | $1/2 e^{\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 - 1})}} + 1/2 e^{-\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 - 1})}}$                                     | AB  | CH | CH   | MINUS |
| 3455 | 2079 | 1 | $\frac{\left( y + \sqrt{y^2 - 1} \right)^{2\sqrt{x}} - 1}{\left( y + \sqrt{y^2 - 1} \right)^{2\sqrt{x}} + 1}$                              | AB  | CH | TH   | PLUS  |
| 3456 | 2080 | 1 | $1 \left( e^{2\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 - 1})}} - 1 \right) \left( e^{2\frac{\sqrt{x}}{\ln(y + \sqrt{y^2 - 1})}} + 1 \right)^{-1}$ | AB  | CH | TH   | MINUS |
| 3457 | 2081 | 1 | $1/2 \sqrt{x} \ln \left( \frac{-y-1}{y-1} \right)$   | AB  | TH | CD   | PLUS  |
| 3458 | 2081 | 2 |  | ABI | TH | CDI  | MINUS |
| 3459 | 2082 | 1 | $2 \sqrt{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | AB  | TH | CD   | MINUS |
| 3460 | 2082 | 2 |  | ABI | TH | CDI  | PLUS  |
| 3461 | 2083 | 1 | $2 \frac{1}{\sqrt{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | AB  | TH | CDI  | PLUS  |
| 3462 | 2083 | 2 |  | ABI | TH | CD   | MINUS |
| 3463 | 2084 | 1 | $1/2 \frac{1}{\sqrt{x}} \ln \left( \frac{-y-1}{y-1} \right)$   | AB  | TH | CDI  | MINUS |
| 3464 | 2084 | 2 |  | ABI | TH | CD   | PLUS  |
| 3465 | 2085 | 1 | $1/2 \sqrt{x} \ln \left( \frac{-y-1}{y-1} \right) \pi$   | AB  | TH | CDF  | PLUS  |
| 3466 | 2086 | 1 | $2 \sqrt{x} \pi \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | AB  | TH | CDF  | MINUS |
| 3467 | 2087 | 1 | $2 \frac{1}{\sqrt{x} \pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | AB  | TH | CDIF | PLUS  |
| 3468 | 2088 | 1 | $1/2 \frac{1}{\sqrt{x} \pi} \ln \left( \frac{-y-1}{y-1} \right)$   | AB  | TH | CDIF | MINUS |
| 3469 | 2089 | 1 | $1/4 x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$   | AB  | TH | AB   | PLUS  |
| 3470 | 2089 | 2 |  | ABI | TH | ABI  | MINUS |
| 3471 | 2090 | 1 | $4 x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$  | AB  | TH | AB   | MINUS |
| 3472 | 2090 | 2 |  | ABI | TH | ABI  | PLUS  |

|      |      |   |   |     |    |     |       |
|------|------|---|---|-----|----|-----|-------|
| 3473 | 2091 | 1 | $1/2 \sqrt{2} \sqrt{\sqrt{x} \ln \left( \frac{-y-1}{y-1} \right)}$                          | AB  | TH | W   | PLUS  |
| 3474 | 2092 | 1 | $\sqrt{2} \sqrt{\sqrt{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$          | AB  | TH | W   | MINUS |
| 3475 | 2093 | 1 | $4 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                     | AB  | TH | ABI | PLUS  |
| 3476 | 2093 | 2 |   | ABI | TH | AB  | MINUS |
| 3477 | 2094 | 1 | $1/4 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                      | AB  | TH | ABI | MINUS |
| 3478 | 2094 | 2 |   | ABI | TH | AB  | PLUS  |
| 3479 | 2095 | 1 | $1/8 x^{3/2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                          | AB  | TH | K   | PLUS  |
| 3480 | 2095 | 2 |   | ABI | TH | KI  | MINUS |
| 3481 | 2096 | 1 | $8 x^{3/2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                         | AB  | TH | K   | MINUS |
| 3482 | 2096 | 2 |   | ABI | TH | KI  | PLUS  |
| 3483 | 2097 | 1 | $8 \frac{1}{x^{3/2}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$               | AB  | TH | KI  | PLUS  |
| 3484 | 2097 | 2 |   | ABI | TH | K   | MINUS |
| 3485 | 2098 | 1 | $1/8 \frac{1}{x^{3/2}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                | AB  | TH | KI  | MINUS |
| 3486 | 2098 | 2 |   | ABI | TH | K   | PLUS  |
| 3487 | 2099 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2} \sqrt{x}$  | AB  | TH | LL  | PLUS  |
| 3488 | 2100 | 1 | $e^2 \sqrt{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$                      | AB  | TH | LL  | MINUS |
| 3489 | 2101 | 1 | $LOG \left( 1/2 \sqrt{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$                       | AB  | TH | L   | PLUS  |
| 3490 | 2102 | 1 | $LOG \left( 2 \sqrt{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$     | AB  | TH | L   | MINUS |
| 3491 | 2103 | 1 | $\arcsin \left( 1/2 \sqrt{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | AB  | TH | S   | PLUS  |
| 3492 | 2104 | 1 | $\arcsin \left( 2 \sqrt{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | AB  | TH | S   | MINUS |
| 3493 | 2105 | 1 | $\arctan \left( 1/2 \sqrt{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | AB  | TH | T   | PLUS  |



|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 3494 | 2106 | 1 | $\arctan\left(2\sqrt{x}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$  | AB | TH   | T    | MINUS |
| 3495 | 2107 | 1 | $1/2\sqrt{-x\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4}$  | AB | TH   | P    | PLUS  |
| 3496 | 2108 | 1 | $\sqrt{1\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2-4x\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$  | AB | TH   | P    | MINUS |
| 3497 | 2109 | 1 | $1/2\sqrt{x\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4}$   | AB | TH   | H    | PLUS  |
| 3498 | 2110 | 1 | $\sqrt{1\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4x\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$  | AB | TH   | H    | MINUS |
| 3499 | 2111 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{x}}-1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{x}}$   | AB | TH   | SH   | PLUS  |
| 3500 | 2112 | 1 | $1/2e^{2\sqrt{x}(\ln(\frac{-y-1}{y-1}))^{-1}}-1/2e^{-2\sqrt{x}(\ln(\frac{-y-1}{y-1}))^{-1}}$   | AB | TH   | SH   | MINUS |
| 3501 | 2113 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{x}}+1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{x}}$   | AB | TH   | CH   | PLUS  |
| 3502 | 2114 | 1 | $1/2e^{2\sqrt{x}(\ln(\frac{-y-1}{y-1}))^{-1}}+1/2e^{-2\sqrt{x}(\ln(\frac{-y-1}{y-1}))^{-1}}$   | AB | TH   | CH   | MINUS |
| 3503 | 2115 | 1 | $1\left(\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{x}}-\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{x}}\right)\left(\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{x}}-\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{x}}\right)^{-1}$ | AB | TH   | TH   | PLUS  |
| 3504 | 2116 | 1 | $1\left(e^{4\sqrt{x}(\ln(\frac{-y-1}{y-1}))^{-1}}-1\right)\left(e^{4\sqrt{x}(\ln(\frac{-y-1}{y-1}))^{-1}}+1\right)^{-1}$   | AB | TH   | TH   | MINUS |
| 3505 | 2117 | 1 | $x^2y\pi$  | W  | CD   | CDF  | PLUS  |
| 3506 | 2117 | 2 |  | W  | CDI  | CDF  | MINUS |
| 3507 | 2117 | 3 |  | W  | CDIF | CD   | MINUS |
| 3508 | 2118 | 1 | $\frac{x^2\pi}{y}$   | W  | CD   | CDF  | MINUS |
| 3509 | 2118 | 2 |  | W  | CDI  | CDF  | PLUS  |
| 3510 | 2118 | 3 |  | W  | CDF  | CD   | MINUS |
| 3511 | 2119 | 1 | $\frac{1}{x^2y\pi}$  | W  | CD   | CDIF | PLUS  |
| 3512 | 2119 | 2 |  | W  | CDI  | CDIF | MINUS |
| 3513 | 2119 | 3 |  | W  | CDIF | CDI  | MINUS |

|      |      |   |                        |   |     |      |       |
|------|------|---|------------------------|---|-----|------|-------|
| 3514 | 2120 | 1 | $\frac{y}{x^2\pi}$     | W | CD  | CDIF | MINUS |
| 3515 | 2120 | 2 |                        | W | CDI | CDIF | PLUS  |
| 3516 | 2120 | 3 |                        | W | CDF | CDI  | MINUS |
| 3517 | 2121 | 1 | $x^4y^2$               | W | CD  | AB   | PLUS  |
| 3518 | 2121 | 2 |                        | W | CDI | AB   | MINUS |
| 3519 | 2122 | 1 | $\frac{x^4}{y^2}$      | W | CD  | AB   | MINUS |
| 3520 | 2122 | 2 |                        | W | CDI | AB   | PLUS  |
| 3521 | 2123 | 1 | $\sqrt{x^2y}$          | W | CD  | W    | PLUS  |
| 3522 | 2123 | 2 |                        | W | CDI | W    | MINUS |
| 3523 | 2124 | 1 | $\sqrt{\frac{x^2}{y}}$ | W | CD  | W    | MINUS |
| 3524 | 2124 | 2 |                        | W | CDI | W    | PLUS  |
| 3525 | 2125 | 1 | $\frac{1}{x^4y^2}$     | W | CD  | ABI  | PLUS  |
| 3526 | 2125 | 2 |                        | W | CDI | ABI  | MINUS |
| 3527 | 2126 | 1 | $\frac{y^2}{x^4}$      | W | CD  | ABI  | MINUS |
| 3528 | 2126 | 2 |                        | W | CDI | ABI  | PLUS  |
| 3529 | 2127 | 1 | $x^6y^3$               | W | CD  | K    | PLUS  |
| 3530 | 2127 | 2 |                        | W | CDI | K    | MINUS |
| 3531 | 2128 | 1 | $\frac{x^6}{y^3}$      | W | CD  | K    | MINUS |
| 3532 | 2128 | 2 |                        | W | CDI | K    | PLUS  |
| 3533 | 2129 | 1 | $\frac{1}{x^6y^3}$     | W | CD  | KI   | PLUS  |
| 3534 | 2129 | 2 |                        | W | CDI | KI   | MINUS |
| 3535 | 2130 | 1 | $\frac{y^3}{x^6}$      | W | CD  | KI   | MINUS |
| 3536 | 2130 | 2 |                        | W | CDI | KI   | PLUS  |
| 3537 | 2131 | 1 | $e^{x^2y}$             | W | CD  | LL   | PLUS  |
| 3538 | 2131 | 2 |                        | W | CDI | LL   | MINUS |
| 3539 | 2132 | 1 | $e^{\frac{x^2}{y}}$    | W | CD  | LL   | MINUS |
| 3540 | 2132 | 2 |                        | W | CDI | LL   | PLUS  |
| 3541 | 2133 | 1 | $LOG(x^2y)$            | W | CD  | L    | PLUS  |
| 3542 | 2133 | 2 |                        | W | CDI | L    | MINUS |

|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 3543 | 2134 | 1 | $LOG\left(\frac{x^2}{y}\right)$                  | W | CD  | L  | MINUS |
| 3544 | 2134 | 2 |  | W | CDI | L  | PLUS  |
| 3545 | 2135 | 1 | $\arcsin(x^2y)$                                  | W | CD  | S  | PLUS  |
| 3546 | 2135 | 2 |  | W | CDI | S  | MINUS |
| 3547 | 2136 | 1 | $\arcsin\left(\frac{x^2}{y}\right)$              | W | CD  | S  | MINUS |
| 3548 | 2136 | 2 |  | W | CDI | S  | PLUS  |
| 3549 | 2137 | 1 | $\arctan(x^2y)$                                  | W | CD  | T  | PLUS  |
| 3550 | 2137 | 2 |  | W | CDI | T  | MINUS |
| 3551 | 2138 | 1 | $\arctan\left(\frac{x^2}{y}\right)$              | W | CD  | T  | MINUS |
| 3552 | 2138 | 2 |  | W | CDI | T  | PLUS  |
| 3553 | 2139 | 1 | $\sqrt{-x^4y^2+1}$                               | W | CD  | P  | PLUS  |
| 3554 | 2139 | 2 |  | W | CDI | P  | MINUS |
| 3555 | 2140 | 1 | $\sqrt{-\frac{x^4-y^2}{y^2}}$                    | W | CD  | P  | MINUS |
| 3556 | 2140 | 2 |  | W | CDI | P  | PLUS  |
| 3557 | 2141 | 1 | $\sqrt{x^4y^2+1}$                                | W | CD  | H  | PLUS  |
| 3558 | 2141 | 2 |  | W | CDI | H  | MINUS |
| 3559 | 2142 | 1 | $\sqrt{\frac{x^4+y^2}{y^2}}$                     | W | CD  | H  | MINUS |
| 3560 | 2142 | 2 |  | W | CDI | H  | PLUS  |
| 3561 | 2143 | 1 | $1/2 e^{x^2y} - 1/2 e^{-x^2y}$                   | W | CD  | SH | PLUS  |
| 3562 | 2143 | 2 |  | W | CDI | SH | MINUS |
| 3563 | 2144 | 1 | $1/2 e^{\frac{x^2}{y}} - 1/2 e^{-\frac{x^2}{y}}$ | W | CD  | SH | MINUS |
| 3564 | 2144 | 2 |  | W | CDI | SH | PLUS  |
| 3565 | 2145 | 1 | $1/2 e^{x^2y} + 1/2 e^{-x^2y}$                   | W | CD  | CH | PLUS  |
| 3566 | 2145 | 2 |  | W | CDI | CH | MINUS |
| 3567 | 2146 | 1 | $1/2 e^{\frac{x^2}{y}} + 1/2 e^{-\frac{x^2}{y}}$ | W | CD  | CH | MINUS |
| 3568 | 2146 | 2 |  | W | CDI | CH | PLUS  |
| 3569 | 2147 | 1 | $\frac{e^2 x^2 y - 1}{e^2 x^2 y + 1}$            | W | CD  | TH | PLUS  |
| 3570 | 2147 | 2 |  | W | CDI | TH | MINUS |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 3571 | 2148 | 1 | $1 \left( e^{2 \frac{x^2}{y}} - 1 \right) \left( e^{2 \frac{x^2}{y}} + 1 \right)^{-1}$ | W | CD  | TH  | MINUS |
| 3572 | 2148 | 2 |  | W | CDI | TH  | PLUS  |
| 3573 | 2149 | 1 | $\frac{x^2 y}{\pi}$  | W | CDF | CD  | PLUS  |
| 3574 | 2150 | 1 | $\frac{\pi}{x^2 y}$  | W | CDF | CDI | PLUS  |
| 3575 | 2151 | 1 | $\frac{x^4 y^2}{\pi^2}$  | W | CDF | AB  | PLUS  |
| 3576 | 2152 | 1 | $\frac{x^4 \pi^2}{y^2}$  | W | CDF | AB  | MINUS |
| 3577 | 2153 | 1 | $\sqrt{\frac{x^2 y}{\pi}}$   | W | CDF | W   | PLUS  |
| 3578 | 2154 | 1 | $\sqrt{\frac{x^2 \pi}{y}}$   | W | CDF | W   | MINUS |
| 3579 | 2155 | 1 | $\frac{\pi^2}{x^4 y^2}$  | W | CDF | ABI | PLUS  |
| 3580 | 2156 | 1 | $\frac{y^2}{x^4 \pi^2}$  | W | CDF | ABI | MINUS |
| 3581 | 2157 | 1 | $\frac{x^6 y^3}{\pi^3}$  | W | CDF | K   | PLUS  |
| 3582 | 2158 | 1 | $\frac{x^6 \pi^3}{y^3}$  | W | CDF | K   | MINUS |
| 3583 | 2159 | 1 | $\frac{\pi^3}{x^6 y^3}$  | W | CDF | KI  | PLUS  |
| 3584 | 2160 | 1 | $\frac{y^3}{x^6 \pi^3}$  | W | CDF | KI  | MINUS |
| 3585 | 2161 | 1 | $e^{\frac{x^2 y}{\pi}}$  | W | CDF | LL  | PLUS  |
| 3586 | 2162 | 1 | $e^{\frac{x^2 \pi}{y}}$  | W | CDF | LL  | MINUS |
| 3587 | 2163 | 1 | $LOG \left( \frac{x^2 y}{\pi} \right)$   | W | CDF | L   | PLUS  |
| 3588 | 2164 | 1 | $LOG \left( \frac{x^2 \pi}{y} \right)$   | W | CDF | L   | MINUS |
| 3589 | 2165 | 1 | $\arcsin \left( \frac{x^2 y}{\pi} \right)$   | W | CDF | S   | PLUS  |
| 3590 | 2166 | 1 | $\arcsin \left( \frac{x^2 \pi}{y} \right)$   | W | CDF | S   | MINUS |

|      |      |   |  |   |      |     |       |
|------|------|---|--|---|------|-----|-------|
| 3591 | 2167 | 1 | $\arctan\left(\frac{x^2 y}{\pi}\right)$  | W | CDF  | T   | PLUS  |
| 3592 | 2168 | 1 | $\arctan\left(\frac{x^2 \pi}{y}\right)$  | W | CDF  | T   | MINUS |
| 3593 | 2169 | 1 | $\sqrt{\frac{-x^4 y^2 + \pi^2}{\pi^2}}$  | W | CDF  | P   | PLUS  |
| 3594 | 2170 | 1 | $\sqrt{\frac{-\pi^2 x^4 - y^2}{y^2}}$  | W | CDF  | P   | MINUS |
| 3595 | 2171 | 1 | $\sqrt{\frac{x^4 y^2 + \pi^2}{\pi^2}}$   | W | CDF  | H   | PLUS  |
| 3596 | 2172 | 1 | $\sqrt{\frac{\pi^2 x^4 + y^2}{y^2}}$   | W | CDF  | H   | MINUS |
| 3597 | 2173 | 1 | $1/2 e^{\frac{x^2 y}{\pi}} - 1/2 e^{-\frac{x^2 y}{\pi}}$                                       | W | CDF  | SH  | PLUS  |
| 3598 | 2174 | 1 | $1/2 e^{\frac{x^2 \pi}{y}} - 1/2 e^{-\frac{x^2 \pi}{y}}$                                       | W | CDF  | SH  | MINUS |
| 3599 | 2175 | 1 | $1/2 e^{\frac{x^2 y}{\pi}} + 1/2 e^{-\frac{x^2 y}{\pi}}$                                       | W | CDF  | CH  | PLUS  |
| 3600 | 2176 | 1 | $1/2 e^{\frac{x^2 \pi}{y}} + 1/2 e^{-\frac{x^2 \pi}{y}}$                                       | W | CDF  | CH  | MINUS |
| 3601 | 2177 | 1 | $1 \left( e^{2 \frac{x^2 y}{\pi}} - 1 \right) \left( e^{2 \frac{x^2 y}{\pi}} + 1 \right)^{-1}$ | W | CDF  | TH  | PLUS  |
| 3602 | 2178 | 1 | $1 \left( e^{2 \frac{x^2 \pi}{y}} - 1 \right) \left( e^{2 \frac{x^2 \pi}{y}} + 1 \right)^{-1}$ | W | CDF  | TH  | MINUS |
| 3603 | 2179 | 1 | $\frac{x^2}{y \pi}$  | W | CDIF | CD  | PLUS  |
| 3604 | 2180 | 1 | $\frac{y \pi}{x^2}$  | W | CDIF | CDI | PLUS  |
| 3605 | 2181 | 1 | $\frac{x^4}{y^2 \pi^2}$  | W | CDIF | AB  | PLUS  |
| 3606 | 2182 | 1 | $x^4 y^2 \pi^2$  | W | CDIF | AB  | MINUS |
| 3607 | 2183 | 1 | $\sqrt{\frac{x^2}{y \pi}}$   | W | CDIF | W   | PLUS  |
| 3608 | 2184 | 1 | $\sqrt{x^2 y \pi}$   | W | CDIF | W   | MINUS |
| 3609 | 2185 | 1 | $\frac{y^2 \pi^2}{x^4}$  | W | CDIF | ABI | PLUS  |

|      |      |   |  |   |      |     |       |
|------|------|---|--|---|------|-----|-------|
| 3610 | 2186 | 1 | $\frac{1}{x^4 y^2 \pi^2}$                              | W | CDIF | ABI | MINUS |
| 3611 | 2187 | 1 | $\frac{x^6}{y^3 \pi^3}$                                | W | CDIF | K   | PLUS  |
| 3612 | 2188 | 1 | $x^6 y^3 \pi^3$  | W | CDIF | K   | MINUS |
| 3613 | 2189 | 1 | $\frac{y^3 \pi^3}{x^6}$                                | W | CDIF | KI  | PLUS  |
| 3614 | 2190 | 1 | $\frac{1}{x^6 y^3 \pi^3}$                              | W | CDIF | KI  | MINUS |
| 3615 | 2191 | 1 | $e^{\frac{x^2}{y\pi}}$                                 | W | CDIF | LL  | PLUS  |
| 3616 | 2192 | 1 | $e^{x^2 y \pi}$  | W | CDIF | LL  | MINUS |
| 3617 | 2193 | 1 | $LOG\left(\frac{x^2}{y\pi}\right)$                     | W | CDIF | L   | PLUS  |
| 3618 | 2194 | 1 | $LOG(x^2 y \pi)$                                       | W | CDIF | L   | MINUS |
| 3619 | 2195 | 1 | $\arcsin\left(\frac{x^2}{y\pi}\right)$                 | W | CDIF | S   | PLUS  |
| 3620 | 2196 | 1 | $\arcsin(x^2 y \pi)$                                   | W | CDIF | S   | MINUS |
| 3621 | 2197 | 1 | $\arctan\left(\frac{x^2}{y\pi}\right)$                 | W | CDIF | T   | PLUS  |
| 3622 | 2198 | 1 | $\arctan(x^2 y \pi)$                                   | W | CDIF | T   | MINUS |
| 3623 | 2199 | 1 | $\sqrt{\frac{y^2 \pi^2 - x^4}{y^2 \pi^2}}$             | W | CDIF | P   | PLUS  |
| 3624 | 2200 | 1 | $\sqrt{-x^4 y^2 \pi^2 + 1}$                            | W | CDIF | P   | MINUS |
| 3625 | 2201 | 1 | $\sqrt{\frac{y^2 \pi^2 + x^4}{y^2 \pi^2}}$             | W | CDIF | H   | PLUS  |
| 3626 | 2202 | 1 | $\sqrt{x^4 y^2 \pi^2 + 1}$                             | W | CDIF | H   | MINUS |
| 3627 | 2203 | 1 | $1/2 e^{\frac{x^2}{y\pi}} - 1/2 e^{-\frac{x^2}{y\pi}}$ | W | CDIF | SH  | PLUS  |
| 3628 | 2204 | 1 | $1/2 e^{x^2 y \pi} - 1/2 e^{-x^2 y \pi}$               | W | CDIF | SH  | MINUS |
| 3629 | 2205 | 1 | $1/2 e^{\frac{x^2}{y\pi}} + 1/2 e^{-\frac{x^2}{y\pi}}$ | W | CDIF | CH  | PLUS  |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 3630 | 2206 | 1 | $1/2 e^{x^2 y \pi} + 1/2 e^{-x^2 y \pi}$   | W | CDIF | CH   | MINUS |
| 3631 | 2207 | 1 | $1 \left( e^{2 \frac{x^2}{y \pi}} - 1 \right) \left( e^{2 \frac{x^2}{y \pi}} + 1 \right)^{-1}$ | W | CDIF | TH   | PLUS  |
| 3632 | 2208 | 1 | $\frac{e^{2 x^2 y \pi} - 1}{e^{2 x^2 y \pi} + 1}$  | W | CDIF | TH   | MINUS |
| 3633 | 2209 | 1 | $x^2 \sqrt{y}$   | W | AB   | CD   | PLUS  |
| 3634 | 2209 | 2 |  | W | ABI  | CD   | MINUS |
| 3635 | 2210 | 1 | $\frac{x^2}{\sqrt{y}}$   | W | AB   | CD   | MINUS |
| 3636 | 2210 | 2 |  | W | ABI  | CD   | PLUS  |
| 3637 | 2211 | 1 | $\frac{1}{x^2 \sqrt{y}}$   | W | AB   | CDI  | PLUS  |
| 3638 | 2211 | 2 |  | W | ABI  | CDI  | MINUS |
| 3639 | 2212 | 1 | $\frac{\sqrt{y}}{x^2}$   | W | AB   | CDI  | MINUS |
| 3640 | 2212 | 2 |  | W | ABI  | CDI  | PLUS  |
| 3641 | 2213 | 1 | $x^2 \sqrt{y} \pi$   | W | AB   | CDF  | PLUS  |
| 3642 | 2213 | 2 |  | W | ABI  | CDF  | MINUS |
| 3643 | 2214 | 1 | $\frac{x^2 \pi}{\sqrt{y}}$   | W | AB   | CDF  | MINUS |
| 3644 | 2214 | 2 |  | W | ABI  | CDF  | PLUS  |
| 3645 | 2215 | 1 | $\frac{1}{x^2 \sqrt{y} \pi}$   | W | AB   | CDIF | PLUS  |
| 3646 | 2215 | 2 |  | W | ABI  | CDIF | MINUS |
| 3647 | 2216 | 1 | $\frac{\sqrt{y}}{x^2 \pi}$   | W | AB   | CDIF | MINUS |
| 3648 | 2216 | 2 |  | W | ABI  | CDIF | PLUS  |
| 3649 | 2217 | 1 | $x^4 y$  | W | AB   | AB   | PLUS  |
| 3650 | 2217 | 2 |  | W | ABI  | AB   | MINUS |
| 3651 | 2218 | 1 | $\frac{x^4}{y}$  | W | AB   | AB   | MINUS |
| 3652 | 2218 | 2 |  | W | ABI  | AB   | PLUS  |
| 3653 | 2219 | 1 | $\sqrt{x^2 \sqrt{y}}$  | W | AB   | W    | PLUS  |
| 3654 | 2219 | 2 |  | W | ABI  | W    | MINUS |
| 3655 | 2220 | 1 | $\sqrt{\frac{x^2}{\sqrt{y}}}$  | W | AB   | W    | MINUS |
| 3656 | 2220 | 2 |  | W | ABI  | W    | PLUS  |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 3657 | 2221 | 1 | $\frac{1}{x^4y}$                           | W | AB  | ABI | PLUS  |
| 3658 | 2221 | 2 |  | W | ABI | ABI | MINUS |
| 3659 | 2222 | 1 | $\frac{y}{x^4}$                            | W | AB  | ABI | MINUS |
| 3660 | 2222 | 2 |  | W | ABI | ABI | PLUS  |
| 3661 | 2223 | 1 | $x^6y^{3/2}$                               | W | AB  | K   | PLUS  |
| 3662 | 2223 | 2 |  | W | ABI | K   | MINUS |
| 3663 | 2224 | 1 | $\frac{x^6}{y^{3/2}}$                      | W | AB  | K   | MINUS |
| 3664 | 2224 | 2 |  | W | ABI | K   | PLUS  |
| 3665 | 2225 | 1 | $\frac{1}{x^6y^{3/2}}$                     | W | AB  | KI  | PLUS  |
| 3666 | 2225 | 2 |  | W | ABI | KI  | MINUS |
| 3667 | 2226 | 1 | $\frac{y^{3/2}}{x^6}$                      | W | AB  | KI  | MINUS |
| 3668 | 2226 | 2 |  | W | ABI | KI  | PLUS  |
| 3669 | 2227 | 1 | $e^{x^2\sqrt{y}}$                          | W | AB  | LL  | PLUS  |
| 3670 | 2227 | 2 |  | W | ABI | LL  | MINUS |
| 3671 | 2228 | 1 | $e^{\frac{x^2}{\sqrt{y}}}$                 | W | AB  | LL  | MINUS |
| 3672 | 2228 | 2 |  | W | ABI | LL  | PLUS  |
| 3673 | 2229 | 1 | $LOG(x^2\sqrt{y})$                         | W | AB  | L   | PLUS  |
| 3674 | 2229 | 2 |  | W | ABI | L   | MINUS |
| 3675 | 2230 | 1 | $LOG\left(\frac{x^2}{\sqrt{y}}\right)$     | W | AB  | L   | MINUS |
| 3676 | 2230 | 2 |  | W | ABI | L   | PLUS  |
| 3677 | 2231 | 1 | $\arcsin(x^2\sqrt{y})$                     | W | AB  | S   | PLUS  |
| 3678 | 2231 | 2 |  | W | ABI | S   | MINUS |
| 3679 | 2232 | 1 | $\arcsin\left(\frac{x^2}{\sqrt{y}}\right)$ | W | AB  | S   | MINUS |
| 3680 | 2232 | 2 |  | W | ABI | S   | PLUS  |
| 3681 | 2233 | 1 | $\arctan(x^2\sqrt{y})$                     | W | AB  | T   | PLUS  |
| 3682 | 2233 | 2 |  | W | ABI | T   | MINUS |
| 3683 | 2234 | 1 | $\arctan\left(\frac{x^2}{\sqrt{y}}\right)$ | W | AB  | T   | MINUS |
| 3684 | 2234 | 2 |  | W | ABI | T   | PLUS  |
| 3685 | 2235 | 1 | $\sqrt{-x^4y+1}$                           | W | AB  | P   | PLUS  |



|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 3686 | 2235 | 2 |  | W | ABI | P    | MINUS |
| 3687 | 2236 | 1 | $\sqrt{-\frac{x^4-y}{y}}$  | W | AB  | P    | MINUS |
| 3688 | 2236 | 2 |  | W | ABI | P    | PLUS  |
| 3689 | 2237 | 1 | $\sqrt{x^4y+1}$  | W | AB  | H    | PLUS  |
| 3690 | 2237 | 2 |  | W | ABI | H    | MINUS |
| 3691 | 2238 | 1 | $\sqrt{\frac{x^4+y}{y}}$   | W | AB  | H    | MINUS |
| 3692 | 2238 | 2 |  | W | ABI | H    | PLUS  |
| 3693 | 2239 | 1 | $1/2 e^{x^2\sqrt{y}} - 1/2 e^{-x^2\sqrt{y}}$   | W | AB  | SH   | PLUS  |
| 3694 | 2239 | 2 |  | W | ABI | SH   | MINUS |
| 3695 | 2240 | 1 | $1/2 e^{\frac{x^2}{\sqrt{y}}} - 1/2 e^{-\frac{x^2}{\sqrt{y}}}$                                     | W | AB  | SH   | MINUS |
| 3696 | 2240 | 2 |  | W | ABI | SH   | PLUS  |
| 3697 | 2241 | 1 | $1/2 e^{x^2\sqrt{y}} + 1/2 e^{-x^2\sqrt{y}}$   | W | AB  | CH   | PLUS  |
| 3698 | 2241 | 2 |  | W | ABI | CH   | MINUS |
| 3699 | 2242 | 1 | $1/2 e^{\frac{x^2}{\sqrt{y}}} + 1/2 e^{-\frac{x^2}{\sqrt{y}}}$                                     | W | AB  | CH   | MINUS |
| 3700 | 2242 | 2 |  | W | ABI | CH   | PLUS  |
| 3701 | 2243 | 1 | $\frac{e^{2x^2\sqrt{y}}-1}{e^{2x^2\sqrt{y}}+1}$  | W | AB  | TH   | PLUS  |
| 3702 | 2243 | 2 |  | W | ABI | TH   | MINUS |
| 3703 | 2244 | 1 | $1 \left( e^{2\frac{x^2}{\sqrt{y}}} - 1 \right) \left( e^{2\frac{x^2}{\sqrt{y}}} + 1 \right)^{-1}$ | W | AB  | TH   | MINUS |
| 3704 | 2244 | 2 |  | W | ABI | TH   | PLUS  |
| 3705 | 2245 | 1 | $x^2y^2\pi$  | W | W   | CDF  | PLUS  |
| 3706 | 2246 | 1 | $\frac{x^2\pi}{y^2}$   | W | W   | CDF  | MINUS |
| 3707 | 2247 | 1 | $\frac{1}{x^2y^2\pi}$  | W | W   | CDIF | PLUS  |
| 3708 | 2248 | 1 | $\frac{y^2}{x^2\pi}$   | W | W   | CDIF | MINUS |
| 3709 | 2249 | 1 | $x^4y^4$   | W | W   | AB   | PLUS  |
| 3710 | 2250 | 1 | $\frac{x^4}{y^4}$  | W | W   | AB   | MINUS |

|      |      |   |                                       |   |   |     |       |
|------|------|---|---------------------------------------|---|---|-----|-------|
| 3711 | 2251 | 1 | $\sqrt{x^2 y^2}$                      | W | W | W   | PLUS  |
| 3712 | 2252 | 1 | $\sqrt{\frac{x^2}{y^2}}$              | W | W | W   | MINUS |
| 3713 | 2253 | 1 | $\frac{1}{x^4 y^4}$                   | W | W | ABI | PLUS  |
| 3714 | 2254 | 1 | $\frac{y^4}{x^4}$                     | W | W | ABI | MINUS |
| 3715 | 2255 | 1 | $x^6 y^6$                             | W | W | K   | PLUS  |
| 3716 | 2256 | 1 | $\frac{x^6}{y^6}$                     | W | W | K   | MINUS |
| 3717 | 2257 | 1 | $\frac{1}{x^6 y^6}$                   | W | W | KI  | PLUS  |
| 3718 | 2258 | 1 | $\frac{y^6}{x^6}$                     | W | W | KI  | MINUS |
| 3719 | 2259 | 1 | $e^{x^2 y^2}$                         | W | W | LL  | PLUS  |
| 3720 | 2260 | 1 | $e^{\frac{x^2}{y^2}}$                 | W | W | LL  | MINUS |
| 3721 | 2261 | 1 | $LOG(x^2 y^2)$                        | W | W | L   | PLUS  |
| 3722 | 2262 | 1 | $LOG\left(\frac{x^2}{y^2}\right)$     | W | W | L   | MINUS |
| 3723 | 2263 | 1 | $\arcsin(x^2 y^2)$                    | W | W | S   | PLUS  |
| 3724 | 2264 | 1 | $\arcsin\left(\frac{x^2}{y^2}\right)$ | W | W | S   | MINUS |
| 3725 | 2265 | 1 | $\arctan(x^2 y^2)$                    | W | W | T   | PLUS  |
| 3726 | 2266 | 1 | $\arctan\left(\frac{x^2}{y^2}\right)$ | W | W | T   | MINUS |
| 3727 | 2267 | 1 | $\sqrt{-x^4 y^4 + 1}$                 | W | W | P   | PLUS  |
| 3728 | 2268 | 1 | $\sqrt{-\frac{x^4 - y^4}{y^4}}$       | W | W | P   | MINUS |
| 3729 | 2269 | 1 | $\sqrt{x^4 y^4 + 1}$                  | W | W | H   | PLUS  |
| 3730 | 2270 | 1 | $\sqrt{\frac{x^4 + y^4}{y^4}}$        | W | W | H   | MINUS |
| 3731 | 2271 | 1 | $1/2 e^{x^2 y^2} - 1/2 e^{-x^2 y^2}$  | W | W | SH  | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 3732 | 2272 | 1 | $1/2 e^{\frac{x^2}{y^2}} - 1/2 e^{-\frac{x^2}{y^2}}$                                       | W | W  | SH   | MINUS |
| 3733 | 2273 | 1 | $1/2 e^{x^2 y^2} + 1/2 e^{-x^2 y^2}$   | W | W  | CH   | PLUS  |
| 3734 | 2274 | 1 | $1/2 e^{\frac{x^2}{y^2}} + 1/2 e^{-\frac{x^2}{y^2}}$                                       | W | W  | CH   | MINUS |
| 3735 | 2275 | 1 | $\frac{e^{2 x^2 y^2} - 1}{e^{2 x^2 y^2} + 1}$  | W | W  | TH   | PLUS  |
| 3736 | 2276 | 1 | $1 \left( e^{2 \frac{x^2}{y^2}} - 1 \right) \left( e^{2 \frac{x^2}{y^2}} + 1 \right)^{-1}$ | W | W  | TH   | MINUS |
| 3737 | 2277 | 1 | $x^2 \sqrt[3]{y}$  | W | K  | CD   | PLUS  |
| 3738 | 2277 | 2 |  | W | KI | CD   | MINUS |
| 3739 | 2278 | 1 | $\frac{x^2}{\sqrt[3]{y}}$  | W | K  | CD   | MINUS |
| 3740 | 2278 | 2 |  | W | KI | CD   | PLUS  |
| 3741 | 2279 | 1 | $\frac{1}{x^2 \sqrt[3]{y}}$  | W | K  | CDI  | PLUS  |
| 3742 | 2279 | 2 |  | W | KI | CDI  | MINUS |
| 3743 | 2280 | 1 | $\frac{\sqrt[3]{y}}{x^2}$  | W | K  | CDI  | MINUS |
| 3744 | 2280 | 2 |  | W | KI | CDI  | PLUS  |
| 3745 | 2281 | 1 | $x^2 \sqrt[3]{y} \pi$  | W | K  | CDF  | PLUS  |
| 3746 | 2281 | 2 |  | W | KI | CDF  | MINUS |
| 3747 | 2282 | 1 | $\frac{x^2 \pi}{\sqrt[3]{y}}$  | W | K  | CDF  | MINUS |
| 3748 | 2282 | 2 |  | W | KI | CDF  | PLUS  |
| 3749 | 2283 | 1 | $\frac{1}{x^2 \sqrt[3]{y} \pi}$  | W | K  | CDIF | PLUS  |
| 3750 | 2283 | 2 |  | W | KI | CDIF | MINUS |
| 3751 | 2284 | 1 | $\frac{\sqrt[3]{y}}{x^2 \pi}$  | W | K  | CDIF | MINUS |
| 3752 | 2284 | 2 |  | W | KI | CDIF | PLUS  |
| 3753 | 2285 | 1 | $x^4 y^{2/3}$  | W | K  | AB   | PLUS  |
| 3754 | 2285 | 2 |  | W | KI | AB   | MINUS |
| 3755 | 2286 | 1 | $\frac{x^4}{y^{2/3}}$  | W | K  | AB   | MINUS |
| 3756 | 2286 | 2 |  | W | KI | AB   | PLUS  |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 3757 | 2287 | 1 | $\sqrt{x^2 \sqrt[3]{y}}$                      | W | K  | W   | PLUS  |
| 3758 | 2287 | 2 |   | W | KI | W   | MINUS |
| 3759 | 2288 | 1 | $\sqrt{\frac{x^2}{\sqrt[3]{y}}}$              | W | K  | W   | MINUS |
| 3760 | 2288 | 2 |   | W | KI | W   | PLUS  |
| 3761 | 2289 | 1 | $\frac{1}{x^4 y^{2/3}}$                       | W | K  | ABI | PLUS  |
| 3762 | 2289 | 2 |   | W | KI | ABI | MINUS |
| 3763 | 2290 | 1 | $\frac{y^{2/3}}{x^4}$                         | W | K  | ABI | MINUS |
| 3764 | 2290 | 2 |   | W | KI | ABI | PLUS  |
| 3765 | 2291 | 1 | $x^6 y$                                       | W | K  | K   | PLUS  |
| 3766 | 2291 | 2 |   | W | KI | K   | MINUS |
| 3767 | 2292 | 1 | $\frac{x^6}{y}$                               | W | K  | K   | MINUS |
| 3768 | 2292 | 2 |   | W | KI | K   | PLUS  |
| 3769 | 2293 | 1 | $\frac{1}{x^6 y}$                             | W | K  | KI  | PLUS  |
| 3770 | 2293 | 2 |   | W | KI | KI  | MINUS |
| 3771 | 2294 | 1 | $\frac{y}{x^6}$                               | W | K  | KI  | MINUS |
| 3772 | 2294 | 2 |   | W | KI | KI  | PLUS  |
| 3773 | 2295 | 1 | $e^{x^2 \sqrt[3]{y}}$                         | W | K  | LL  | PLUS  |
| 3774 | 2295 | 2 |   | W | KI | LL  | MINUS |
| 3775 | 2296 | 1 | $e^{\frac{x^2}{\sqrt[3]{y}}}$                 | W | K  | LL  | MINUS |
| 3776 | 2296 | 2 |   | W | KI | LL  | PLUS  |
| 3777 | 2297 | 1 | $LOG(x^2 \sqrt[3]{y})$                        | W | K  | L   | PLUS  |
| 3778 | 2297 | 2 |   | W | KI | L   | MINUS |
| 3779 | 2298 | 1 | $LOG\left(\frac{x^2}{\sqrt[3]{y}}\right)$     | W | K  | L   | MINUS |
| 3780 | 2298 | 2 |   | W | KI | L   | PLUS  |
| 3781 | 2299 | 1 | $\arcsin(x^2 \sqrt[3]{y})$                    | W | K  | S   | PLUS  |
| 3782 | 2299 | 2 |   | W | KI | S   | MINUS |
| 3783 | 2300 | 1 | $\arcsin\left(\frac{x^2}{\sqrt[3]{y}}\right)$ | W | K  | S   | MINUS |
| 3784 | 2300 | 2 |   | W | KI | S   | PLUS  |
| 3785 | 2301 | 1 | $\arctan(x^2 \sqrt[3]{y})$                    | W | K  | T   | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 3786 | 2301 | 2 |  | W | KI | T   | MINUS |
| 3787 | 2302 | 1 | $\arctan\left(\frac{x^2}{\sqrt[3]{y}}\right)$  | W | K  | T   | MINUS |
| 3788 | 2302 | 2 |  | W | KI | T   | PLUS  |
| 3789 | 2303 | 1 | $\sqrt{-x^4y^{2/3}+1}$   | W | K  | P   | PLUS  |
| 3790 | 2303 | 2 |  | W | KI | P   | MINUS |
| 3791 | 2304 | 1 | $\sqrt{\frac{-x^4+y^{2/3}}{y^{2/3}}}$  | W | K  | P   | MINUS |
| 3792 | 2304 | 2 |  | W | KI | P   | PLUS  |
| 3793 | 2305 | 1 | $\sqrt{x^4y^{2/3}+1}$  | W | K  | H   | PLUS  |
| 3794 | 2305 | 2 |  | W | KI | H   | MINUS |
| 3795 | 2306 | 1 | $\sqrt{\frac{x^4+y^{2/3}}{y^{2/3}}}$   | W | K  | H   | MINUS |
| 3796 | 2306 | 2 |  | W | KI | H   | PLUS  |
| 3797 | 2307 | 1 | $1/2e^{x^2\sqrt[3]{y}}-1/2e^{-x^2\sqrt[3]{y}}$   | W | K  | SH  | PLUS  |
| 3798 | 2307 | 2 |  | W | KI | SH  | MINUS |
| 3799 | 2308 | 1 | $1/2e^{\frac{x^2}{\sqrt[3]{y}}}-1/2e^{-\frac{x^2}{\sqrt[3]{y}}}$                               | W | K  | SH  | MINUS |
| 3800 | 2308 | 2 |  | W | KI | SH  | PLUS  |
| 3801 | 2309 | 1 | $1/2e^{x^2\sqrt[3]{y}}+1/2e^{-x^2\sqrt[3]{y}}$   | W | K  | CH  | PLUS  |
| 3802 | 2309 | 2 |  | W | KI | CH  | MINUS |
| 3803 | 2310 | 1 | $1/2e^{\frac{x^2}{\sqrt[3]{y}}}+1/2e^{-\frac{x^2}{\sqrt[3]{y}}}$                               | W | K  | CH  | MINUS |
| 3804 | 2310 | 2 |  | W | KI | CH  | PLUS  |
| 3805 | 2311 | 1 | $\frac{e^{2x^2\sqrt[3]{y}}-1}{e^{2x^2\sqrt[3]{y}}+1}$  | W | K  | TH  | PLUS  |
| 3806 | 2311 | 2 |  | W | KI | TH  | MINUS |
| 3807 | 2312 | 1 | $1\left(e^{2\frac{x^2}{\sqrt[3]{y}}}-1\right)\left(e^{2\frac{x^2}{\sqrt[3]{y}}}+1\right)^{-1}$ | W | K  | TH  | MINUS |
| 3808 | 2312 | 2 |  | W | KI | TH  | PLUS  |
| 3809 | 2313 | 1 | $x^2\ln(y)$  | W | LL | CD  | PLUS  |
| 3810 | 2314 | 1 | $\frac{x^2}{\ln(y)}$   | W | LL | CD  | MINUS |
| 3811 | 2315 | 1 | $\frac{1}{x^2\ln(y)}$  | W | LL | CDI | PLUS  |

|      |      |   |                                      |   |    |      |       |
|------|------|---|--------------------------------------|---|----|------|-------|
| 3812 | 2316 | 1 | $\frac{\ln(y)}{x^2}$                 | W | LL | CDI  | MINUS |
| 3813 | 2317 | 1 | $x^2 \ln(y) \pi$                     | W | LL | CDF  | PLUS  |
| 3814 | 2318 | 1 | $\frac{x^2 \pi}{\ln(y)}$             | W | LL | CDF  | MINUS |
| 3815 | 2319 | 1 | $\frac{1}{x^2 \ln(y) \pi}$           | W | LL | CDIF | PLUS  |
| 3816 | 2320 | 1 | $\frac{\ln(y)}{x^2 \pi}$             | W | LL | CDIF | MINUS |
| 3817 | 2321 | 1 | $x^4 (\ln(y))^2$                     | W | LL | AB   | PLUS  |
| 3818 | 2322 | 1 | $\frac{x^4}{(\ln(y))^2}$             | W | LL | AB   | MINUS |
| 3819 | 2323 | 1 | $\sqrt{x^2 \ln(y)}$                  | W | LL | W    | PLUS  |
| 3820 | 2324 | 1 | $\sqrt{\frac{x^2}{\ln(y)}}$          | W | LL | W    | MINUS |
| 3821 | 2325 | 1 | $\frac{1}{x^4 (\ln(y))^2}$           | W | LL | ABI  | PLUS  |
| 3822 | 2326 | 1 | $\frac{(\ln(y))^2}{x^4}$             | W | LL | ABI  | MINUS |
| 3823 | 2327 | 1 | $x^6 (\ln(y))^3$                     | W | LL | K    | PLUS  |
| 3824 | 2328 | 1 | $\frac{x^6}{(\ln(y))^3}$             | W | LL | K    | MINUS |
| 3825 | 2329 | 1 | $\frac{1}{x^6 (\ln(y))^3}$           | W | LL | KI   | PLUS  |
| 3826 | 2330 | 1 | $\frac{(\ln(y))^3}{x^6}$             | W | LL | KI   | MINUS |
| 3827 | 2331 | 1 | $y^{x^2}$                            | W | LL | LL   | PLUS  |
| 3828 | 2332 | 1 | $e^{\frac{x^2}{\ln(y)}}$             | W | LL | LL   | MINUS |
| 3829 | 2333 | 1 | $LOG(x^2 \ln(y))$                    | W | LL | L    | PLUS  |
| 3830 | 2334 | 1 | $LOG\left(\frac{x^2}{\ln(y)}\right)$ | W | LL | L    | MINUS |
| 3831 | 2335 | 1 | $\arcsin(x^2 \ln(y))$                | W | LL | S    | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 3832 | 2336 | 1 | $\arcsin\left(\frac{x^2}{\ln(y)}\right)$   | W | LL | S    | MINUS |
| 3833 | 2337 | 1 | $\arctan\left(x^2 \ln(y)\right)$   | W | LL | T    | PLUS  |
| 3834 | 2338 | 1 | $\arctan\left(\frac{x^2}{\ln(y)}\right)$   | W | LL | T    | MINUS |
| 3835 | 2339 | 1 | $\sqrt{-x^4 (\ln(y))^2 + 1}$   | W | LL | P    | PLUS  |
| 3836 | 2340 | 1 | $\sqrt{\frac{-x^4 + (\ln(y))^2}{(\ln(y))^2}}$  | W | LL | P    | MINUS |
| 3837 | 2341 | 1 | $\sqrt{x^4 (\ln(y))^2 + 1}$  | W | LL | H    | PLUS  |
| 3838 | 2342 | 1 | $\sqrt{\frac{x^4 + (\ln(y))^2}{(\ln(y))^2}}$   | W | LL | H    | MINUS |
| 3839 | 2343 | 1 | $1/2 y^{x^2} - 1/2 y^{-x^2}$   | W | LL | SH   | PLUS  |
| 3840 | 2344 | 1 | $1/2 e^{\frac{x^2}{\ln(y)}} - 1/2 e^{-\frac{x^2}{\ln(y)}}$                                       | W | LL | SH   | MINUS |
| 3841 | 2345 | 1 | $1/2 y^{x^2} + 1/2 y^{-x^2}$   | W | LL | CH   | PLUS  |
| 3842 | 2346 | 1 | $1/2 e^{\frac{x^2}{\ln(y)}} + 1/2 e^{-\frac{x^2}{\ln(y)}}$                                       | W | LL | CH   | MINUS |
| 3843 | 2347 | 1 | $\frac{y^2 x^2 - 1}{y^2 x^2 + 1}$  | W | LL | TH   | PLUS  |
| 3844 | 2348 | 1 | $1 \left( e^{2 \frac{x^2}{\ln(y)}} - 1 \right) \left( e^{2 \frac{x^2}{\ln(y)}} + 1 \right)^{-1}$ | W | LL | TH   | MINUS |
| 3845 | 2349 | 1 | $x^2 EXP(y)$   | W | L  | CD   | PLUS  |
| 3846 | 2350 | 1 | $\frac{x^2}{EXP(y)}$   | W | L  | CD   | MINUS |
| 3847 | 2351 | 1 | $\frac{1}{x^2 EXP(y)}$   | W | L  | CDI  | PLUS  |
| 3848 | 2352 | 1 | $\frac{EXP(y)}{x^2}$   | W | L  | CDI  | MINUS |
| 3849 | 2353 | 1 | $x^2 EXP(y) \pi$   | W | L  | CDF  | PLUS  |
| 3850 | 2354 | 1 | $\frac{x^2 \pi}{EXP(y)}$   | W | L  | CDF  | MINUS |
| 3851 | 2355 | 1 | $\frac{1}{x^2 EXP(y) \pi}$   | W | L  | CDIF | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 3852 | 2356 | 1 | $\frac{EXP(y)}{x^2\pi}$                  | W | L | CDIF | MINUS |
| 3853 | 2357 | 1 | $x^4 (EXP(y))^2$                         | W | L | AB   | PLUS  |
| 3854 | 2358 | 1 | $\frac{x^4}{(EXP(y))^2}$                 | W | L | AB   | MINUS |
| 3855 | 2359 | 1 | $\sqrt{x^2 EXP(y)}$                      | W | L | W    | PLUS  |
| 3856 | 2360 | 1 | $\sqrt{\frac{x^2}{EXP(y)}}$              | W | L | W    | MINUS |
| 3857 | 2361 | 1 | $\frac{1}{x^4 (EXP(y))^2}$               | W | L | ABI  | PLUS  |
| 3858 | 2362 | 1 | $\frac{(EXP(y))^2}{x^4}$                 | W | L | ABI  | MINUS |
| 3859 | 2363 | 1 | $x^6 (EXP(y))^3$                         | W | L | K    | PLUS  |
| 3860 | 2364 | 1 | $\frac{x^6}{(EXP(y))^3}$                 | W | L | K    | MINUS |
| 3861 | 2365 | 1 | $\frac{1}{x^6 (EXP(y))^3}$               | W | L | KI   | PLUS  |
| 3862 | 2366 | 1 | $\frac{(EXP(y))^3}{x^6}$                 | W | L | KI   | MINUS |
| 3863 | 2367 | 1 | $e^{x^2 EXP(y)}$                         | W | L | LL   | PLUS  |
| 3864 | 2368 | 1 | $e^{\frac{x^2}{EXP(y)}}$                 | W | L | LL   | MINUS |
| 3865 | 2369 | 1 | $LOG(x^2 EXP(y))$                        | W | L | L    | PLUS  |
| 3866 | 2370 | 1 | $LOG\left(\frac{x^2}{EXP(y)}\right)$     | W | L | L    | MINUS |
| 3867 | 2371 | 1 | $\arcsin(x^2 EXP(y))$                    | W | L | S    | PLUS  |
| 3868 | 2372 | 1 | $\arcsin\left(\frac{x^2}{EXP(y)}\right)$ | W | L | S    | MINUS |
| 3869 | 2373 | 1 | $\arctan(x^2 EXP(y))$                    | W | L | T    | PLUS  |
| 3870 | 2374 | 1 | $\arctan\left(\frac{x^2}{EXP(y)}\right)$ | W | L | T    | MINUS |
| 3871 | 2375 | 1 | $\sqrt{-x^4 (EXP(y))^2 + 1}$             | W | L | P    | PLUS  |



|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 3872 | 2376 | 1 | $\sqrt{\frac{-x^4+(EXP(y))^2}{(EXP(y))^2}}$  | W | L | P    | MINUS |
| 3873 | 2377 | 1 | $\sqrt{x^4(EXP(y))^2+1}$   | W | L | H    | PLUS  |
| 3874 | 2378 | 1 | $\sqrt{\frac{x^4+(EXP(y))^2}{(EXP(y))^2}}$   | W | L | H    | MINUS |
| 3875 | 2379 | 1 | $1/2 e^{x^2 EXP(y)} - 1/2 e^{-x^2 EXP(y)}$   | W | L | SH   | PLUS  |
| 3876 | 2380 | 1 | $1/2 e^{\frac{x^2}{EXP(y)}} - 1/2 e^{-\frac{x^2}{EXP(y)}}$                             | W | L | SH   | MINUS |
| 3877 | 2381 | 1 | $1/2 e^{x^2 EXP(y)} + 1/2 e^{-x^2 EXP(y)}$   | W | L | CH   | PLUS  |
| 3878 | 2382 | 1 | $1/2 e^{\frac{x^2}{EXP(y)}} + 1/2 e^{-\frac{x^2}{EXP(y)}}$                             | W | L | CH   | MINUS |
| 3879 | 2383 | 1 | $\frac{e^{2 x^2 EXP(y)}-1}{e^{2 x^2 EXP(y)}+1}$  | W | L | TH   | PLUS  |
| 3880 | 2384 | 1 | $1\left(e^{2 \frac{x^2}{EXP(y)}}-1\right)\left(e^{2 \frac{x^2}{EXP(y)}}+1\right)^{-1}$ | W | L | TH   | MINUS |
| 3881 | 2385 | 1 | $x^2 \sin (y)$   | W | S | CD   | PLUS  |
| 3882 | 2386 | 1 | $\frac{x^2}{\sin (y)}$   | W | S | CD   | MINUS |
| 3883 | 2387 | 1 | $\frac{1}{x^2 \sin (y)}$   | W | S | CDI  | PLUS  |
| 3884 | 2388 | 1 | $\frac{\sin (y)}{x^2}$   | W | S | CDI  | MINUS |
| 3885 | 2389 | 1 | $x^2 \sin (y) \pi$   | W | S | CDF  | PLUS  |
| 3886 | 2390 | 1 | $\frac{x^2 \pi}{\sin (y)}$   | W | S | CDF  | MINUS |
| 3887 | 2391 | 1 | $\frac{1}{x^2 \sin (y) \pi}$   | W | S | CDIF | PLUS  |
| 3888 | 2392 | 1 | $\frac{\sin (y)}{x^2 \pi}$   | W | S | CDIF | MINUS |
| 3889 | 2393 | 1 | $x^4(\sin (y))^2$  | W | S | AB   | PLUS  |
| 3890 | 2394 | 1 | $\frac{x^4}{(\sin (y))^2}$   | W | S | AB   | MINUS |
| 3891 | 2395 | 1 | $\sqrt{x^2 \sin (y)}$  | W | S | W    | PLUS  |

|      |      |   |   |   |   |     |       |
|------|------|---|---|---|---|-----|-------|
| 3892 | 2396 | 1 | $\sqrt{\frac{x^2}{\sin(y)}}$                    | W | S | W   | MINUS |
| 3893 | 2397 | 1 | $\frac{1}{x^4(\sin(y))^2}$                      | W | S | ABI | PLUS  |
| 3894 | 2398 | 1 | $\frac{(\sin(y))^2}{x^4}$                       | W | S | ABI | MINUS |
| 3895 | 2399 | 1 | $x^6(\sin(y))^3$                                | W | S | K   | PLUS  |
| 3896 | 2400 | 1 | $\frac{x^6}{(\sin(y))^3}$                       | W | S | K   | MINUS |
| 3897 | 2401 | 1 | $\frac{1}{x^6(\sin(y))^3}$                      | W | S | KI  | PLUS  |
| 3898 | 2402 | 1 | $\frac{(\sin(y))^3}{x^6}$                       | W | S | KI  | MINUS |
| 3899 | 2403 | 1 | $e^{x^2 \sin(y)}$                               | W | S | LL  | PLUS  |
| 3900 | 2404 | 1 | $e^{\frac{x^2}{\sin(y)}}$                       | W | S | LL  | MINUS |
| 3901 | 2405 | 1 | $LOG(x^2 \sin(y))$                              | W | S | L   | PLUS  |
| 3902 | 2406 | 1 | $LOG\left(\frac{x^2}{\sin(y)}\right)$           | W | S | L   | MINUS |
| 3903 | 2407 | 1 | $\arcsin(x^2 \sin(y))$                          | W | S | S   | PLUS  |
| 3904 | 2408 | 1 | $\arcsin\left(\frac{x^2}{\sin(y)}\right)$       | W | S | S   | MINUS |
| 3905 | 2409 | 1 | $\arctan(x^2 \sin(y))$                          | W | S | T   | PLUS  |
| 3906 | 2410 | 1 | $\arctan\left(\frac{x^2}{\sin(y)}\right)$       | W | S | T   | MINUS |
| 3907 | 2411 | 1 | $\sqrt{(\cos(y))^2 x^4 - x^4 + 1}$              | W | S | P   | PLUS  |
| 3908 | 2412 | 1 | $\sqrt{\frac{-x^4 + (\sin(y))^2}{(\sin(y))^2}}$ | W | S | P   | MINUS |
| 3909 | 2413 | 1 | $\sqrt{-(\cos(y))^2 x^4 + x^4 + 1}$             | W | S | H   | PLUS  |
| 3910 | 2414 | 1 | $\sqrt{\frac{x^4 + (\sin(y))^2}{(\sin(y))^2}}$  | W | S | H   | MINUS |
| 3911 | 2415 | 1 | $1/2 e^{x^2 \sin(y)} - 1/2 e^{-x^2 \sin(y)}$    | W | S | SH  | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 3912 | 2416 | 1 | $1/2 e^{\frac{x^2}{\sin(y)}} - 1/2 e^{-\frac{x^2}{\sin(y)}}$                                     | W | S | SH   | MINUS |
| 3913 | 2417 | 1 | $1/2 e^{x^2 \sin(y)} + 1/2 e^{-x^2 \sin(y)}$   | W | S | CH   | PLUS  |
| 3914 | 2418 | 1 | $1/2 e^{\frac{x^2}{\sin(y)}} + 1/2 e^{-\frac{x^2}{\sin(y)}}$                                     | W | S | CH   | MINUS |
| 3915 | 2419 | 1 | $\frac{e^{2x^2 \sin(y)} - 1}{e^{2x^2 \sin(y)} + 1}$  | W | S | TH   | PLUS  |
| 3916 | 2420 | 1 | $1 \left( e^{2\frac{x^2}{\sin(y)}} - 1 \right) \left( e^{2\frac{x^2}{\sin(y)}} + 1 \right)^{-1}$ | W | S | TH   | MINUS |
| 3917 | 2421 | 1 | $x^2 \tan(y)$  | W | T | CD   | PLUS  |
| 3918 | 2422 | 1 | $\frac{x^2}{\tan(y)}$  | W | T | CD   | MINUS |
| 3919 | 2423 | 1 | $\frac{1}{x^2 \tan(y)}$  | W | T | CDI  | PLUS  |
| 3920 | 2424 | 1 | $\frac{\tan(y)}{x^2}$  | W | T | CDI  | MINUS |
| 3921 | 2425 | 1 | $x^2 \tan(y) \pi$  | W | T | CDF  | PLUS  |
| 3922 | 2426 | 1 | $\frac{x^2 \pi}{\tan(y)}$  | W | T | CDF  | MINUS |
| 3923 | 2427 | 1 | $\frac{1}{x^2 \tan(y) \pi}$  | W | T | CDIF | PLUS  |
| 3924 | 2428 | 1 | $\frac{\tan(y)}{x^2 \pi}$  | W | T | CDIF | MINUS |
| 3925 | 2429 | 1 | $x^4 (\tan(y))^2$  | W | T | AB   | PLUS  |
| 3926 | 2430 | 1 | $\frac{x^4}{(\tan(y))^2}$  | W | T | AB   | MINUS |
| 3927 | 2431 | 1 | $\sqrt{x^2 \tan(y)}$   | W | T | W    | PLUS  |
| 3928 | 2432 | 1 | $\sqrt{\frac{x^2}{\tan(y)}}$   | W | T | W    | MINUS |
| 3929 | 2433 | 1 | $\frac{1}{x^4 (\tan(y))^2}$  | W | T | ABI  | PLUS  |
| 3930 | 2434 | 1 | $\frac{(\tan(y))^2}{x^4}$  | W | T | ABI  | MINUS |
| 3931 | 2435 | 1 | $x^6 (\tan(y))^3$  | W | T | K    | PLUS  |

|      |      |   |   |   |   |    |       |
|------|------|---|---|---|---|----|-------|
| 3932 | 2436 | 1 | $\frac{x^6}{(\tan(y))^3}$   | W | T | K  | MINUS |
| 3933 | 2437 | 1 | $\frac{1}{x^6(\tan(y))^3}$  | W | T | KI | PLUS  |
| 3934 | 2438 | 1 | $\frac{(\tan(y))^3}{x^6}$   | W | T | KI | MINUS |
| 3935 | 2439 | 1 | $e^{x^2 \tan(y)}$   | W | T | LL | PLUS  |
| 3936 | 2440 | 1 | $e^{\frac{x^2}{\tan(y)}}$   | W | T | LL | MINUS |
| 3937 | 2441 | 1 | $LOG(x^2 \tan(y))$  | W | T | L  | PLUS  |
| 3938 | 2442 | 1 | $LOG\left(\frac{x^2}{\tan(y)}\right)$                             | W | T | L  | MINUS |
| 3939 | 2443 | 1 | $\arcsin(x^2 \tan(y))$  | W | T | S  | PLUS  |
| 3940 | 2444 | 1 | $\arcsin\left(\frac{x^2}{\tan(y)}\right)$                         | W | T | S  | MINUS |
| 3941 | 2445 | 1 | $\arctan(x^2 \tan(y))$  | W | T | T  | PLUS  |
| 3942 | 2446 | 1 | $\arctan\left(\frac{x^2}{\tan(y)}\right)$                         | W | T | T  | MINUS |
| 3943 | 2447 | 1 | $\sqrt{\frac{(\cos(y))^2 x^4 - x^4 + (\cos(y))^2}{(\cos(y))^2}}$  | W | T | P  | PLUS  |
| 3944 | 2448 | 1 | $\sqrt{\frac{-x^4 + (\tan(y))^2}{(\tan(y))^2}}$                   | W | T | P  | MINUS |
| 3945 | 2449 | 1 | $\sqrt{-\frac{(\cos(y))^2 x^4 - x^4 - (\cos(y))^2}{(\cos(y))^2}}$ | W | T | H  | PLUS  |
| 3946 | 2450 | 1 | $\sqrt{\frac{x^4 + (\tan(y))^2}{(\tan(y))^2}}$                    | W | T | H  | MINUS |
| 3947 | 2451 | 1 | $1/2 e^{x^2 \tan(y)} - 1/2 e^{-x^2 \tan(y)}$                      | W | T | SH | PLUS  |
| 3948 | 2452 | 1 | $1/2 e^{\frac{x^2}{\tan(y)}} - 1/2 e^{-\frac{x^2}{\tan(y)}}$      | W | T | SH | MINUS |
| 3949 | 2453 | 1 | $1/2 e^{x^2 \tan(y)} + 1/2 e^{-x^2 \tan(y)}$                      | W | T | CH | PLUS  |
| 3950 | 2454 | 1 | $1/2 e^{\frac{x^2}{\tan(y)}} + 1/2 e^{-\frac{x^2}{\tan(y)}}$      | W | T | CH | MINUS |
| 3951 | 2455 | 1 | $\frac{e^{2 x^2 \tan(y)} - 1}{e^{2 x^2 \tan(y)} + 1}$             | W | T | TH | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 3952 | 2456 | 1 | $1 \left( e^{2 \frac{x^2}{\tan(y)}} - 1 \right) \left( e^{2 \frac{x^2}{\tan(y)}} + 1 \right)^{-1}$ | W | T | TH   | MINUS |
| 3953 | 2457 | 1 | $x^2 \sqrt{-y^2 + 1}$  | W | P | CD   | PLUS  |
| 3954 | 2458 | 1 | $\frac{x^2}{\sqrt{-y^2 + 1}}$  | W | P | CD   | MINUS |
| 3955 | 2459 | 1 | $\frac{1}{x^2 \sqrt{-y^2 + 1}}$  | W | P | CDI  | PLUS  |
| 3956 | 2460 | 1 | $\frac{\sqrt{-y^2 + 1}}{x^2}$  | W | P | CDI  | MINUS |
| 3957 | 2461 | 1 | $x^2 \sqrt{-y^2 + 1} \pi$  | W | P | CDF  | PLUS  |
| 3958 | 2462 | 1 | $\frac{x^2 \pi}{\sqrt{-y^2 + 1}}$  | W | P | CDF  | MINUS |
| 3959 | 2463 | 1 | $\frac{1}{x^2 \sqrt{-y^2 + 1} \pi}$  | W | P | CDIF | PLUS  |
| 3960 | 2464 | 1 | $\frac{\sqrt{-y^2 + 1}}{x^2 \pi}$  | W | P | CDIF | MINUS |
| 3961 | 2465 | 1 | $x^4 (-y^2 + 1)$   | W | P | AB   | PLUS  |
| 3962 | 2466 | 1 | $-\frac{x^4}{y^2 - 1}$   | W | P | AB   | MINUS |
| 3963 | 2467 | 1 | $\sqrt{x^2 \sqrt{-y^2 + 1}}$   | W | P | W    | PLUS  |
| 3964 | 2468 | 1 | $\sqrt{\frac{x^2}{\sqrt{-y^2 + 1}}}$   | W | P | W    | MINUS |
| 3965 | 2469 | 1 | $-\frac{1}{x^4 (y^2 - 1)}$   | W | P | ABI  | PLUS  |
| 3966 | 2470 | 1 | $\frac{-y^2 + 1}{x^4}$   | W | P | ABI  | MINUS |
| 3967 | 2471 | 1 | $x^6 (-y^2 + 1)^{3/2}$   | W | P | K    | PLUS  |
| 3968 | 2472 | 1 | $\frac{x^6}{(-y^2 + 1)^{3/2}}$   | W | P | K    | MINUS |
| 3969 | 2473 | 1 | $\frac{1}{x^6 (-y^2 + 1)^{3/2}}$   | W | P | KI   | PLUS  |
| 3970 | 2474 | 1 | $\frac{(-y^2 + 1)^{3/2}}{x^6}$   | W | P | KI   | MINUS |

|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 3971 | 2475 | 1 | $e^{x^2\sqrt{-y^2+1}}$   | W | P | LL | PLUS  |
| 3972 | 2476 | 1 | $e^{\frac{x^2}{\sqrt{-y^2+1}}}$                                      | W | P | LL | MINUS |
| 3973 | 2477 | 1 | $LOG\left(x^2\sqrt{-y^2+1}\right)$                                   | W | P | L  | PLUS  |
| 3974 | 2478 | 1 | $LOG\left(\frac{x^2}{\sqrt{-y^2+1}}\right)$                          | W | P | L  | MINUS |
| 3975 | 2479 | 1 | $\arcsin\left(x^2\sqrt{-y^2+1}\right)$                               | W | P | S  | PLUS  |
| 3976 | 2480 | 1 | $\arcsin\left(\frac{x^2}{\sqrt{-y^2+1}}\right)$                      | W | P | S  | MINUS |
| 3977 | 2481 | 1 | $\arctan\left(x^2\sqrt{-y^2+1}\right)$                               | W | P | T  | PLUS  |
| 3978 | 2482 | 1 | $\arctan\left(\frac{x^2}{\sqrt{-y^2+1}}\right)$                      | W | P | T  | MINUS |
| 3979 | 2483 | 1 | $\sqrt{x^4y^2-x^4+1}$  | W | P | P  | PLUS  |
| 3980 | 2483 | 2 |  | W | H | H  | PLUS  |
| 3981 | 2484 | 1 | $\sqrt{\frac{x^4+y^2-1}{y^2-1}}$                                     | W | P | P  | MINUS |
| 3982 | 2484 | 2 |  | W | H | H  | MINUS |
| 3983 | 2485 | 1 | $\sqrt{-x^4y^2+x^4+1}$   | W | P | H  | PLUS  |
| 3984 | 2485 | 2 |  | W | H | P  | PLUS  |
| 3985 | 2486 | 1 | $\sqrt{-\frac{x^4-y^2+1}{y^2-1}}$                                    | W | P | H  | MINUS |
| 3986 | 2486 | 2 |  | W | H | P  | MINUS |
| 3987 | 2487 | 1 | $1/2e^{x^2\sqrt{-y^2+1}}-1/2e^{-x^2\sqrt{-y^2+1}}$                   | W | P | SH | PLUS  |
| 3988 | 2488 | 1 | $1/2e^{\frac{x^2}{\sqrt{-y^2+1}}}-1/2e^{-\frac{x^2}{\sqrt{-y^2+1}}}$ | W | P | SH | MINUS |
| 3989 | 2489 | 1 | $1/2e^{x^2\sqrt{-y^2+1}}+1/2e^{-x^2\sqrt{-y^2+1}}$                   | W | P | CH | PLUS  |
| 3990 | 2490 | 1 | $1/2e^{\frac{x^2}{\sqrt{-y^2+1}}}+1/2e^{-\frac{x^2}{\sqrt{-y^2+1}}}$ | W | P | CH | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 3991 | 2491 | 1 | $\frac{e^{2x^2\sqrt{-y^2+1}}-1}{e^{2x^2\sqrt{-y^2+1}}+1}$  | W | P | TH   | PLUS  |
| 3992 | 2492 | 1 | $1\left(e^{2\frac{x^2}{\sqrt{-y^2+1}}}-1\right)\left(e^{2\frac{x^2}{\sqrt{-y^2+1}}}+1\right)^{-1}$ | W | P | TH   | MINUS |
| 3993 | 2493 | 1 | $x^2\sqrt{y^2-1}$  | W | H | CD   | PLUS  |
| 3994 | 2494 | 1 | $\frac{x^2}{\sqrt{y^2-1}}$   | W | H | CD   | MINUS |
| 3995 | 2495 | 1 | $\frac{1}{x^2\sqrt{y^2-1}}$  | W | H | CDI  | PLUS  |
| 3996 | 2496 | 1 | $\frac{\sqrt{y^2-1}}{x^2}$   | W | H | CDI  | MINUS |
| 3997 | 2497 | 1 | $x^2\sqrt{y^2-1}\pi$   | W | H | CDF  | PLUS  |
| 3998 | 2498 | 1 | $\frac{x^2\pi}{\sqrt{y^2-1}}$  | W | H | CDF  | MINUS |
| 3999 | 2499 | 1 | $\frac{1}{x^2\sqrt{y^2-1}\pi}$   | W | H | CDIF | PLUS  |
| 4000 | 2500 | 1 | $\frac{\sqrt{y^2-1}}{x^2\pi}$  | W | H | CDIF | MINUS |
| 4001 | 2501 | 1 | $x^4(y^2-1)$   | W | H | AB   | PLUS  |
| 4002 | 2502 | 1 | $\frac{x^4}{y^2-1}$  | W | H | AB   | MINUS |
| 4003 | 2503 | 1 | $\sqrt{x^2\sqrt{y^2-1}}$   | W | H | W    | PLUS  |
| 4004 | 2504 | 1 | $\sqrt{\frac{x^2}{\sqrt{y^2-1}}}$  | W | H | W    | MINUS |
| 4005 | 2505 | 1 | $\frac{1}{x^4(y^2-1)}$   | W | H | ABI  | PLUS  |
| 4006 | 2506 | 1 | $\frac{y^2-1}{x^4}$  | W | H | ABI  | MINUS |
| 4007 | 2507 | 1 | $x^6(y^2-1)^{3/2}$   | W | H | K    | PLUS  |
| 4008 | 2508 | 1 | $\frac{x^6}{(y^2-1)^{3/2}}$  | W | H | K    | MINUS |
| 4009 | 2509 | 1 | $\frac{1}{x^6(y^2-1)^{3/2}}$   | W | H | KI   | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 4010 | 2510 | 1 | $\frac{(y^2-1)^{3/2}}{x^6}$  | W | H  | KI  | MINUS |
| 4011 | 2511 | 1 | $e^{x^2\sqrt{y^2-1}}$  | W | H  | LL  | PLUS  |
| 4012 | 2512 | 1 | $e^{\frac{x^2}{\sqrt{y^2-1}}}$   | W | H  | LL  | MINUS |
| 4013 | 2513 | 1 | $LOG\left(x^2\sqrt{y^2-1}\right)$  | W | H  | L   | PLUS  |
| 4014 | 2514 | 1 | $LOG\left(\frac{x^2}{\sqrt{y^2-1}}\right)$   | W | H  | L   | MINUS |
| 4015 | 2515 | 1 | $\arcsin\left(x^2\sqrt{y^2-1}\right)$  | W | H  | S   | PLUS  |
| 4016 | 2516 | 1 | $\arcsin\left(\frac{x^2}{\sqrt{y^2-1}}\right)$   | W | H  | S   | MINUS |
| 4017 | 2517 | 1 | $\arctan\left(x^2\sqrt{y^2-1}\right)$  | W | H  | T   | PLUS  |
| 4018 | 2518 | 1 | $\arctan\left(\frac{x^2}{\sqrt{y^2-1}}\right)$   | W | H  | T   | MINUS |
| 4019 | 2519 | 1 | $1/2 e^{x^2\sqrt{y^2-1}} - 1/2 e^{-x^2\sqrt{y^2-1}}$   | W | H  | SH  | PLUS  |
| 4020 | 2520 | 1 | $1/2 e^{\frac{x^2}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{x^2}{\sqrt{y^2-1}}}$                           | W | H  | SH  | MINUS |
| 4021 | 2521 | 1 | $1/2 e^{x^2\sqrt{y^2-1}} + 1/2 e^{-x^2\sqrt{y^2-1}}$   | W | H  | CH  | PLUS  |
| 4022 | 2522 | 1 | $1/2 e^{\frac{x^2}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{x^2}{\sqrt{y^2-1}}}$                           | W | H  | CH  | MINUS |
| 4023 | 2523 | 1 | $\frac{e^{2x^2\sqrt{y^2-1}}-1}{e^{2x^2\sqrt{y^2-1}}+1}$  | W | H  | TH  | PLUS  |
| 4024 | 2524 | 1 | $1\left(e^{2\frac{x^2}{\sqrt{y^2-1}}}-1\right)\left(e^{2\frac{x^2}{\sqrt{y^2-1}}}+1\right)^{-1}$ | W | H  | TH  | MINUS |
| 4025 | 2525 | 1 | $x^2 \ln\left(y + \sqrt{y^2+1}\right)$   | W | SH | CD  | PLUS  |
| 4026 | 2526 | 1 | $\frac{x^2}{\ln\left(y + \sqrt{y^2+1}\right)}$   | W | SH | CD  | MINUS |
| 4027 | 2527 | 1 | $\frac{1}{x^2 \ln\left(y + \sqrt{y^2+1}\right)}$   | W | SH | CDI | PLUS  |



|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 4028 | 2528 | 1 | $\frac{\ln(y+\sqrt{y^2+1})}{x^2}$                    | W | SH | CDI  | MINUS |
| 4029 | 2529 | 1 | $x^2 \ln(y + \sqrt{y^2+1}) \pi$                      | W | SH | CDF  | PLUS  |
| 4030 | 2530 | 1 | $\frac{x^2 \pi}{\ln(y+\sqrt{y^2+1})}$                | W | SH | CDF  | MINUS |
| 4031 | 2531 | 1 | $\frac{1}{x^2 \ln(y+\sqrt{y^2+1}) \pi}$              | W | SH | CDIF | PLUS  |
| 4032 | 2532 | 1 | $\frac{\ln(y+\sqrt{y^2+1})}{x^2 \pi}$                | W | SH | CDIF | MINUS |
| 4033 | 2533 | 1 | $x^4 \left( \ln(y + \sqrt{y^2+1}) \right)^2$         | W | SH | AB   | PLUS  |
| 4034 | 2534 | 1 | $\frac{x^4}{\left( \ln(y+\sqrt{y^2+1}) \right)^2}$   | W | SH | AB   | MINUS |
| 4035 | 2535 | 1 | $\sqrt{x^2 \ln(y + \sqrt{y^2+1})}$                   | W | SH | W    | PLUS  |
| 4036 | 2536 | 1 | $\sqrt{\frac{x^2}{\ln(y+\sqrt{y^2+1})}}$             | W | SH | W    | MINUS |
| 4037 | 2537 | 1 | $\frac{1}{x^4 \left( \ln(y+\sqrt{y^2+1}) \right)^2}$ | W | SH | ABI  | PLUS  |
| 4038 | 2538 | 1 | $\frac{\left( \ln(y+\sqrt{y^2+1}) \right)^2}{x^4}$   | W | SH | ABI  | MINUS |
| 4039 | 2539 | 1 | $x^6 \left( \ln(y + \sqrt{y^2+1}) \right)^3$         | W | SH | K    | PLUS  |
| 4040 | 2540 | 1 | $\frac{x^6}{\left( \ln(y+\sqrt{y^2+1}) \right)^3}$   | W | SH | K    | MINUS |
| 4041 | 2541 | 1 | $\frac{1}{x^6 \left( \ln(y+\sqrt{y^2+1}) \right)^3}$ | W | SH | KI   | PLUS  |
| 4042 | 2542 | 1 | $\frac{\left( \ln(y+\sqrt{y^2+1}) \right)^3}{x^6}$   | W | SH | KI   | MINUS |
| 4043 | 2543 | 1 | $\left( y + \sqrt{y^2+1} \right)^{x^2}$              | W | SH | LL   | PLUS  |
| 4044 | 2544 | 1 | $e^{\frac{x^2}{\ln(y+\sqrt{y^2+1})}}$                | W | SH | LL   | MINUS |

|      |      |   |   |   |    |    |       |
|------|------|---|---|---|----|----|-------|
| 4045 | 2545 | 1 | $LOG \left( x^2 \ln \left( y + \sqrt{y^2 + 1} \right) \right)$  | W | SH | L  | PLUS  |
| 4046 | 2546 | 1 | $LOG \left( \frac{x^2}{\ln(y + \sqrt{y^2 + 1})} \right)$  | W | SH | L  | MINUS |
| 4047 | 2547 | 1 | $\arcsin \left( x^2 \ln \left( y + \sqrt{y^2 + 1} \right) \right)$  | W | SH | S  | PLUS  |
| 4048 | 2548 | 1 | $\arcsin \left( \frac{x^2}{\ln(y + \sqrt{y^2 + 1})} \right)$  | W | SH | S  | MINUS |
| 4049 | 2549 | 1 | $\arctan \left( x^2 \ln \left( y + \sqrt{y^2 + 1} \right) \right)$  | W | SH | T  | PLUS  |
| 4050 | 2550 | 1 | $\arctan \left( \frac{x^2}{\ln(y + \sqrt{y^2 + 1})} \right)$  | W | SH | T  | MINUS |
| 4051 | 2551 | 1 | $\sqrt{-x^4 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2 + 1}$  | W | SH | P  | PLUS  |
| 4052 | 2552 | 1 | $\sqrt{\frac{-x^4 + \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2}{\left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2}}$ | W | SH | P  | MINUS |
| 4053 | 2553 | 1 | $\sqrt{x^4 \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2 + 1}$   | W | SH | H  | PLUS  |
| 4054 | 2554 | 1 | $\sqrt{\frac{x^4 + \left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2}{\left( \ln \left( y + \sqrt{y^2 + 1} \right) \right)^2}}$  | W | SH | H  | MINUS |
| 4055 | 2555 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{x^2} - 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-x^2}$  | W | SH | SH | PLUS  |
| 4056 | 2556 | 1 | $1/2 e^{\frac{x^2}{\ln(y + \sqrt{y^2 + 1})}} - 1/2 e^{-\frac{x^2}{\ln(y + \sqrt{y^2 + 1})}}$  | W | SH | SH | MINUS |
| 4057 | 2557 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{x^2} + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-x^2}$  | W | SH | CH | PLUS  |
| 4058 | 2558 | 1 | $1/2 e^{\frac{x^2}{\ln(y + \sqrt{y^2 + 1})}} + 1/2 e^{-\frac{x^2}{\ln(y + \sqrt{y^2 + 1})}}$  | W | SH | CH | MINUS |
| 4059 | 2559 | 1 | $\frac{\left( y + \sqrt{y^2 + 1} \right)^{2x^2} - 1}{\left( y + \sqrt{y^2 + 1} \right)^{2x^2} + 1}$                                   | W | SH | TH | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 4060 | 2560 | 1 | $1 \left( e^{2 \frac{x^2}{\ln(y+\sqrt{y^2+1})}} - 1 \right) \left( e^{2 \frac{x^2}{\ln(y+\sqrt{y^2+1})}} + 1 \right)^{-1}$ | W | SH | TH   | MINUS |
| 4061 | 2561 | 1 | $x^2 \ln(y + \sqrt{y^2 - 1})$  | W | CH | CD   | PLUS  |
| 4062 | 2562 | 1 | $\frac{x^2}{\ln(y+\sqrt{y^2-1})}$  | W | CH | CD   | MINUS |
| 4063 | 2563 | 1 | $\frac{1}{x^2 \ln(y+\sqrt{y^2-1})}$  | W | CH | CDI  | PLUS  |
| 4064 | 2564 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{x^2}$  | W | CH | CDI  | MINUS |
| 4065 | 2565 | 1 | $x^2 \ln(y + \sqrt{y^2 - 1}) \pi$  | W | CH | CDF  | PLUS  |
| 4066 | 2566 | 1 | $\frac{x^2 \pi}{\ln(y+\sqrt{y^2-1})}$  | W | CH | CDF  | MINUS |
| 4067 | 2567 | 1 | $\frac{1}{x^2 \ln(y+\sqrt{y^2-1}) \pi}$  | W | CH | CDIF | PLUS  |
| 4068 | 2568 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{x^2 \pi}$  | W | CH | CDIF | MINUS |
| 4069 | 2569 | 1 | $x^4 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2$   | W | CH | AB   | PLUS  |
| 4070 | 2570 | 1 | $\frac{x^4}{\left( \ln(y+\sqrt{y^2-1}) \right)^2}$   | W | CH | AB   | MINUS |
| 4071 | 2571 | 1 | $\sqrt{x^2 \ln(y + \sqrt{y^2 - 1})}$   | W | CH | W    | PLUS  |
| 4072 | 2572 | 1 | $\sqrt{\frac{x^2}{\ln(y+\sqrt{y^2-1})}}$   | W | CH | W    | MINUS |
| 4073 | 2573 | 1 | $\frac{1}{x^4 \left( \ln(y+\sqrt{y^2-1}) \right)^2}$   | W | CH | ABI  | PLUS  |
| 4074 | 2574 | 1 | $\frac{\left( \ln(y+\sqrt{y^2-1}) \right)^2}{x^4}$   | W | CH | ABI  | MINUS |
| 4075 | 2575 | 1 | $x^6 \left( \ln(y + \sqrt{y^2 - 1}) \right)^3$   | W | CH | K    | PLUS  |
| 4076 | 2576 | 1 | $\frac{x^6}{\left( \ln(y+\sqrt{y^2-1}) \right)^3}$   | W | CH | K    | MINUS |

|      |      |   |   |   |    |    |       |
|------|------|---|---|---|----|----|-------|
| 4077 | 2577 | 1 | $\frac{1}{x^6 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$  | W | CH | KI | PLUS  |
| 4078 | 2578 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}{x^6}$  | W | CH | KI | MINUS |
| 4079 | 2579 | 1 | $\left( y + \sqrt{y^2 - 1} \right)^{x^2}$   | W | CH | LL | PLUS  |
| 4080 | 2580 | 1 | $e^{\frac{x^2}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$   | W | CH | LL | MINUS |
| 4081 | 2581 | 1 | $LOG \left( x^2 \ln \left( y + \sqrt{y^2 - 1} \right) \right)$  | W | CH | L  | PLUS  |
| 4082 | 2582 | 1 | $LOG \left( \frac{x^2}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$  | W | CH | L  | MINUS |
| 4083 | 2583 | 1 | $\arcsin \left( x^2 \ln \left( y + \sqrt{y^2 - 1} \right) \right)$  | W | CH | S  | PLUS  |
| 4084 | 2584 | 1 | $\arcsin \left( \frac{x^2}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$  | W | CH | S  | MINUS |
| 4085 | 2585 | 1 | $\arctan \left( x^2 \ln \left( y + \sqrt{y^2 - 1} \right) \right)$  | W | CH | T  | PLUS  |
| 4086 | 2586 | 1 | $\arctan \left( \frac{x^2}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$  | W | CH | T  | MINUS |
| 4087 | 2587 | 1 | $\sqrt{-x^4 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 + 1}$  | W | CH | P  | PLUS  |
| 4088 | 2588 | 1 | $\sqrt{\frac{-x^4 + \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}}$ | W | CH | P  | MINUS |
| 4089 | 2589 | 1 | $\sqrt{x^4 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 + 1}$   | W | CH | H  | PLUS  |
| 4090 | 2590 | 1 | $\sqrt{\frac{x^4 + \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}}$  | W | CH | H  | MINUS |
| 4091 | 2591 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{x^2} - 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-x^2}$  | W | CH | SH | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 4092 | 2592 | 1 | $1/2 e^{\frac{x^2}{\ln(y+\sqrt{y^2-1})}} - 1/2 e^{-\frac{x^2}{\ln(y+\sqrt{y^2-1})}}$                                 | W | CH | SH   | MINUS |
| 4093 | 2593 | 1 | $1/2 \left(y + \sqrt{y^2-1}\right)^{x^2} + 1/2 \left(y + \sqrt{y^2-1}\right)^{-x^2}$                                 | W | CH | CH   | PLUS  |
| 4094 | 2594 | 1 | $1/2 e^{\frac{x^2}{\ln(y+\sqrt{y^2-1})}} + 1/2 e^{-\frac{x^2}{\ln(y+\sqrt{y^2-1})}}$                                 | W | CH | CH   | MINUS |
| 4095 | 2595 | 1 | $\frac{\left(y+\sqrt{y^2-1}\right)^{2x^2}-1}{\left(y+\sqrt{y^2-1}\right)^{2x^2}+1}$                                  | W | CH | TH   | PLUS  |
| 4096 | 2596 | 1 | $1 \left(e^{2\frac{x^2}{\ln(y+\sqrt{y^2-1})}} - 1\right) \left(e^{2\frac{x^2}{\ln(y+\sqrt{y^2-1})}} + 1\right)^{-1}$ | W | CH | TH   | MINUS |
| 4097 | 2597 | 1 | $1/2 x^2 \ln\left(\frac{-y-1}{y-1}\right)$   | W | TH | CD   | PLUS  |
| 4098 | 2598 | 1 | $2 x^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | W | TH | CD   | MINUS |
| 4099 | 2599 | 1 | $2 \frac{1}{x^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | W | TH | CDI  | PLUS  |
| 4100 | 2600 | 1 | $1/2 \frac{1}{x^2} \ln\left(\frac{-y-1}{y-1}\right)$   | W | TH | CDI  | MINUS |
| 4101 | 2601 | 1 | $1/2 x^2 \ln\left(\frac{-y-1}{y-1}\right) \pi$   | W | TH | CDF  | PLUS  |
| 4102 | 2602 | 1 | $2 x^2 \pi \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | W | TH | CDF  | MINUS |
| 4103 | 2603 | 1 | $2 \frac{1}{x^2 \pi} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | W | TH | CDIF | PLUS  |
| 4104 | 2604 | 1 | $1/2 \frac{1}{x^2 \pi} \ln\left(\frac{-y-1}{y-1}\right)$   | W | TH | CDIF | MINUS |
| 4105 | 2605 | 1 | $1/4 x^4 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | W | TH | AB   | PLUS  |
| 4106 | 2606 | 1 | $4 x^4 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$   | W | TH | AB   | MINUS |
| 4107 | 2607 | 1 | $1/2 \sqrt{2} \sqrt{x^2 \ln\left(\frac{-y-1}{y-1}\right)}$   | W | TH | W    | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 4108 | 2608 | 1 | $\sqrt{2}\sqrt{x^2\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$   | W | TH | W   | MINUS |
| 4109 | 2609 | 1 | $4\frac{1}{x^4}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$   | W | TH | ABI | PLUS  |
| 4110 | 2610 | 1 | $1/4\frac{1}{x^4}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | W | TH | ABI | MINUS |
| 4111 | 2611 | 1 | $1/8x^6\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3$  | W | TH | K   | PLUS  |
| 4112 | 2612 | 1 | $8x^6\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$   | W | TH | K   | MINUS |
| 4113 | 2613 | 1 | $8\frac{1}{x^6}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$   | W | TH | KI  | PLUS  |
| 4114 | 2614 | 1 | $1/8\frac{1}{x^6}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3$  | W | TH | KI  | MINUS |
| 4115 | 2615 | 1 | $\left(-\frac{y+1}{y-1}\right)^{1/2}x^2$   | W | TH | LL  | PLUS  |
| 4116 | 2616 | 1 | $e^{2x^2(\ln(\frac{-y-1}{y-1}))^{-1}}$   | W | TH | LL  | MINUS |
| 4117 | 2617 | 1 | $LOG\left(1/2x^2\ln\left(\frac{-y-1}{y-1}\right)\right)$   | W | TH | L   | PLUS  |
| 4118 | 2618 | 1 | $LOG\left(2x^2\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | W | TH | L   | MINUS |
| 4119 | 2619 | 1 | $\arcsin\left(1/2x^2\ln\left(\frac{-y-1}{y-1}\right)\right)$   | W | TH | S   | PLUS  |
| 4120 | 2620 | 1 | $\arcsin\left(2x^2\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | W | TH | S   | MINUS |
| 4121 | 2621 | 1 | $\arctan\left(1/2x^2\ln\left(\frac{-y-1}{y-1}\right)\right)$   | W | TH | T   | PLUS  |
| 4122 | 2622 | 1 | $\arctan\left(2x^2\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | W | TH | T   | MINUS |
| 4123 | 2623 | 1 | $1/2\sqrt{-x^4\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4}$  | W | TH | P   | PLUS  |
| 4124 | 2624 | 1 | $\sqrt{1\left(-4x^4+\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$ | W | TH | P   | MINUS |

|      |      |   |  |     |     |    |       |
|------|------|---|--|-----|-----|----|-------|
| 4125 | 2625 | 1 | $1/2 \sqrt{x^4 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$  | W   | TH  | H  | PLUS  |
| 4126 | 2626 | 1 | $\sqrt{1 \left( 4x^4 + \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$  | W   | TH  | H  | MINUS |
| 4127 | 2627 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 x^2} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 x^2}$   | W   | TH  | SH | PLUS  |
| 4128 | 2628 | 1 | $1/2 e^{2x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1/2 e^{-2x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | W   | TH  | SH | MINUS |
| 4129 | 2629 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 x^2} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 x^2}$   | W   | TH  | CH | PLUS  |
| 4130 | 2630 | 1 | $1/2 e^{2x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1/2 e^{-2x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | W   | TH  | CH | MINUS |
| 4131 | 2631 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 x^2} - \left( \frac{-y-1}{y-1} \right)^{-1/2 x^2} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 x^2} + \left( \frac{-y-1}{y-1} \right)^{-1/2 x^2} \right)^{-1}$ | W   | TH  | PI | PLUS  |
| 4132 | 2632 | 1 | $1 \left( e^{4x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1 \right) \left( e^{4x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1 \right)^{-1}$                                     | W   | TH  | TH | MINUS |
| 4133 | 2633 | 1 | $\sqrt{\frac{y}{\sqrt{x}}}$  | ABI | CD  | W  | PLUS  |
| 4134 | 2633 | 2 |  | ABI | CDI | W  | MINUS |
| 4135 | 2634 | 1 | $\sqrt{\frac{1}{\sqrt{xy}}}$   | ABI | CD  | W  | MINUS |
| 4136 | 2634 | 2 |  | ABI | CDI | W  | PLUS  |
| 4137 | 2635 | 1 | $e^{\frac{y}{\sqrt{x}}}$   | ABI | CD  | LL | PLUS  |
| 4138 | 2635 | 2 |  | ABI | CDI | LL | MINUS |
| 4139 | 2636 | 1 | $e^{\frac{1}{\sqrt{xy}}}$  | ABI | CD  | LL | MINUS |
| 4140 | 2636 | 2 |  | ABI | CDI | LL | PLUS  |
| 4141 | 2637 | 1 | $LOG \left( \frac{y}{\sqrt{x}} \right)$  | ABI | CD  | L  | PLUS  |
| 4142 | 2637 | 2 |  | ABI | CDI | L  | MINUS |
| 4143 | 2638 | 1 | $LOG \left( \frac{1}{\sqrt{xy}} \right)$   | ABI | CD  | L  | MINUS |
| 4144 | 2638 | 2 |  | ABI | CDI | L  | PLUS  |
| 4145 | 2639 | 1 | $\arcsin \left( \frac{y}{\sqrt{x}} \right)$  | ABI | CD  | S  | PLUS  |

|      |      |   |  |     |     |    |       |
|------|------|---|--|-----|-----|----|-------|
| 4146 | 2639 | 2 |  | ABI | CDI | S  | MINUS |
| 4147 | 2640 | 1 | $\arcsin\left(\frac{1}{\sqrt{xy}}\right)$  | ABI | CD  | S  | MINUS |
| 4148 | 2640 | 2 |  | ABI | CDI | S  | PLUS  |
| 4149 | 2641 | 1 | $\arctan\left(\frac{y}{\sqrt{x}}\right)$   | ABI | CD  | T  | PLUS  |
| 4150 | 2641 | 2 |  | ABI | CDI | T  | MINUS |
| 4151 | 2642 | 1 | $\arctan\left(\frac{1}{\sqrt{xy}}\right)$  | ABI | CD  | T  | MINUS |
| 4152 | 2642 | 2 |  | ABI | CDI | T  | PLUS  |
| 4153 | 2643 | 1 | $\sqrt{\frac{-y^2+x}{x}}$  | ABI | CD  | P  | PLUS  |
| 4154 | 2643 | 2 |  | ABI | CDI | P  | MINUS |
| 4155 | 2644 | 1 | $\sqrt{\frac{xy^2-1}{xy^2}}$   | ABI | CD  | P  | MINUS |
| 4156 | 2644 | 2 |  | ABI | CDI | P  | PLUS  |
| 4157 | 2645 | 1 | $\sqrt{\frac{y^2+x}{x}}$   | ABI | CD  | H  | PLUS  |
| 4158 | 2645 | 2 |  | ABI | CDI | H  | MINUS |
| 4159 | 2646 | 1 | $\sqrt{\frac{xy^2+1}{xy^2}}$   | ABI | CD  | H  | MINUS |
| 4160 | 2646 | 2 |  | ABI | CDI | H  | PLUS  |
| 4161 | 2647 | 1 | $1/2 e^{\frac{y}{\sqrt{x}}} - 1/2 e^{-\frac{y}{\sqrt{x}}}$                                       | ABI | CD  | SH | PLUS  |
| 4162 | 2647 | 2 |  | ABI | CDI | SH | MINUS |
| 4163 | 2648 | 1 | $1/2 e^{\frac{1}{\sqrt{xy}}} - 1/2 e^{-\frac{1}{\sqrt{xy}}}$                                     | ABI | CD  | SH | MINUS |
| 4164 | 2648 | 2 |  | ABI | CDI | SH | PLUS  |
| 4165 | 2649 | 1 | $1/2 e^{\frac{y}{\sqrt{x}}} + 1/2 e^{-\frac{y}{\sqrt{x}}}$                                       | ABI | CD  | CH | PLUS  |
| 4166 | 2649 | 2 |  | ABI | CDI | CH | MINUS |
| 4167 | 2650 | 1 | $1/2 e^{\frac{1}{\sqrt{xy}}} + 1/2 e^{-\frac{1}{\sqrt{xy}}}$                                     | ABI | CD  | CH | MINUS |
| 4168 | 2650 | 2 |  | ABI | CDI | CH | PLUS  |
| 4169 | 2651 | 1 | $1 \left( e^{2\frac{y}{\sqrt{x}}} - 1 \right) \left( e^{2\frac{y}{\sqrt{x}}} + 1 \right)^{-1}$   | ABI | CD  | TH | PLUS  |
| 4170 | 2651 | 2 |  | ABI | CDI | TH | MINUS |
| 4171 | 2652 | 1 | $1 \left( e^{2\frac{1}{\sqrt{xy}}} - 1 \right) \left( e^{2\frac{1}{\sqrt{xy}}} + 1 \right)^{-1}$ | ABI | CD  | TH | MINUS |
| 4172 | 2652 | 2 |  | ABI | CDI | TH | PLUS  |



|      |      |   |  |     |     |      |       |
|------|------|---|--|-----|-----|------|-------|
| 4173 | 2653 | 1 | $\frac{\pi^2}{\sqrt{xy}}$  | ABI | CDF | CDF  | MINUS |
| 4174 | 2654 | 1 | $\frac{\sqrt{xy}}{\pi^2}$  | ABI | CDF | CDIF | MINUS |
| 4175 | 2655 | 1 | $\sqrt{\frac{y}{x\pi}}$  | ABI | CDF | W    | PLUS  |
| 4176 | 2656 | 1 | $\sqrt{\frac{\pi}{\sqrt{xy}}}$                                   | ABI | CDF | W    | MINUS |
| 4177 | 2657 | 1 | $e^{\frac{y}{\sqrt{x}\pi}}$                                      | ABI | CDF | LL   | PLUS  |
| 4178 | 2658 | 1 | $e^{\frac{\pi}{\sqrt{xy}}}$                                      | ABI | CDF | LL   | MINUS |
| 4179 | 2659 | 1 | $LOG\left(\frac{y}{\sqrt{x}\pi}\right)$                          | ABI | CDF | L    | PLUS  |
| 4180 | 2660 | 1 | $LOG\left(\frac{\pi}{\sqrt{xy}}\right)$                          | ABI | CDF | L    | MINUS |
| 4181 | 2661 | 1 | $\arcsin\left(\frac{y}{\sqrt{x}\pi}\right)$                      | ABI | CDF | S    | PLUS  |
| 4182 | 2662 | 1 | $\arcsin\left(\frac{\pi}{\sqrt{xy}}\right)$                      | ABI | CDF | S    | MINUS |
| 4183 | 2663 | 1 | $\arctan\left(\frac{y}{\sqrt{x}\pi}\right)$                      | ABI | CDF | T    | PLUS  |
| 4184 | 2664 | 1 | $\arctan\left(\frac{\pi}{\sqrt{xy}}\right)$                      | ABI | CDF | T    | MINUS |
| 4185 | 2665 | 1 | $\sqrt{\frac{\pi^2 x - y^2}{\pi^2 x}}$                           | ABI | CDF | P    | PLUS  |
| 4186 | 2666 | 1 | $\sqrt{-\frac{xy^2 + \pi^2}{xy^2}}$                              | ABI | CDF | P    | MINUS |
| 4187 | 2667 | 1 | $\sqrt{\frac{\pi^2 x + y^2}{\pi^2 x}}$                           | ABI | CDF | H    | PLUS  |
| 4188 | 2668 | 1 | $\sqrt{\frac{xy^2 + \pi^2}{xy^2}}$                               | ABI | CDF | H    | MINUS |
| 4189 | 2669 | 1 | $1/2 e^{\frac{y}{\sqrt{x}\pi}} - 1/2 e^{-\frac{y}{\sqrt{x}\pi}}$ | ABI | CDF | SH   | PLUS  |
| 4190 | 2670 | 1 | $1/2 e^{\frac{\pi}{\sqrt{xy}}} - 1/2 e^{-\frac{\pi}{\sqrt{xy}}}$ | ABI | CDF | SH   | MINUS |
| 4191 | 2671 | 1 | $1/2 e^{\frac{y}{\sqrt{x}\pi}} + 1/2 e^{-\frac{y}{\sqrt{x}\pi}}$ | ABI | CDF | CH   | PLUS  |

|      |      |   |  |     |      |      |       |
|------|------|---|--|-----|------|------|-------|
| 4192 | 2672 | 1 | $1/2 e^{\frac{\pi}{\sqrt{xy}}} + 1/2 e^{-\frac{\pi}{\sqrt{xy}}}$                                       | ABI | CDF  | CH   | MINUS |
| 4193 | 2673 | 1 | $1 \left( e^{2 \frac{y}{\sqrt{x\pi}}} - 1 \right) \left( e^{2 \frac{y}{\sqrt{x\pi}}} + 1 \right)^{-1}$ | ABI | CDF  | TH   | PLUS  |
| 4194 | 2674 | 1 | $1 \left( e^{2 \frac{\pi}{\sqrt{xy}}} - 1 \right) \left( e^{2 \frac{\pi}{\sqrt{xy}}} + 1 \right)^{-1}$ | ABI | CDF  | TH   | MINUS |
| 4195 | 2675 | 1 | $\frac{y\pi^2}{\sqrt{x}}$  | ABI | CDIF | CDF  | MINUS |
| 4196 | 2676 | 1 | $\frac{\sqrt{x}}{y\pi^2}$  | ABI | CDIF | CDIF | MINUS |
| 4197 | 2677 | 1 | $\sqrt{\frac{1}{\sqrt{xy}\pi}}$  | ABI | CDIF | W    | PLUS  |
| 4198 | 2678 | 1 | $\sqrt{\frac{y\pi}{\sqrt{x}}}$   | ABI | CDIF | W    | MINUS |
| 4199 | 2679 | 1 | $e^{\frac{1}{\sqrt{xy}\pi}}$   | ABI | CDIF | LL   | PLUS  |
| 4200 | 2680 | 1 | $e^{\frac{y\pi}{\sqrt{x}}}$  | ABI | CDIF | LL   | MINUS |
| 4201 | 2681 | 1 | $LOG \left( \frac{1}{\sqrt{xy}\pi} \right)$  | ABI | CDIF | L    | PLUS  |
| 4202 | 2682 | 1 | $LOG \left( \frac{y\pi}{\sqrt{x}} \right)$   | ABI | CDIF | L    | MINUS |
| 4203 | 2683 | 1 | $\arcsin \left( \frac{1}{\sqrt{xy}\pi} \right)$  | ABI | CDIF | S    | PLUS  |
| 4204 | 2684 | 1 | $\arcsin \left( \frac{y\pi}{\sqrt{x}} \right)$   | ABI | CDIF | S    | MINUS |
| 4205 | 2685 | 1 | $\arctan \left( \frac{1}{\sqrt{xy}\pi} \right)$  | ABI | CDIF | T    | PLUS  |
| 4206 | 2686 | 1 | $\arctan \left( \frac{y\pi}{\sqrt{x}} \right)$   | ABI | CDIF | T    | MINUS |
| 4207 | 2687 | 1 | $\sqrt{\frac{\pi^2 xy^2 - 1}{\pi^2 xy^2}}$   | ABI | CDIF | P    | PLUS  |
| 4208 | 2688 | 1 | $\sqrt{-\frac{y^2 \pi^2 - x}{x}}$  | ABI | CDIF | P    | MINUS |
| 4209 | 2689 | 1 | $\sqrt{\frac{\pi^2 xy^2 + 1}{\pi^2 xy^2}}$   | ABI | CDIF | H    | PLUS  |

|      |      |   |  |     |      |      |       |
|------|------|---|--|-----|------|------|-------|
| 4210 | 2690 | 1 | $\sqrt{\frac{y^2\pi^2+x}{x}}$  | ABI | CDIF | H    | MINUS |
| 4211 | 2691 | 1 | $1/2e^{\frac{1}{\sqrt{xy}\pi}} - 1/2e^{-\frac{1}{\sqrt{xy}\pi}}$                                 | ABI | CDIF | SH   | PLUS  |
| 4212 | 2692 | 1 | $1/2e^{\frac{y\pi}{\sqrt{x}}} - 1/2e^{-\frac{y\pi}{\sqrt{x}}}$                                   | ABI | CDIF | SH   | MINUS |
| 4213 | 2693 | 1 | $1/2e^{\frac{1}{\sqrt{xy}\pi}} + 1/2e^{-\frac{1}{\sqrt{xy}\pi}}$                                 | ABI | CDIF | CH   | PLUS  |
| 4214 | 2694 | 1 | $1/2e^{\frac{y\pi}{\sqrt{x}}} + 1/2e^{-\frac{y\pi}{\sqrt{x}}}$                                   | ABI | CDIF | CH   | MINUS |
| 4215 | 2695 | 1 | $1\left(e^{2\frac{1}{\sqrt{xy}\pi}} - 1\right)\left(e^{2\frac{1}{\sqrt{xy}\pi}} + 1\right)^{-1}$ | ABI | CDIF | TH   | PLUS  |
| 4216 | 2696 | 1 | $1\left(e^{2\frac{y\pi}{\sqrt{x}}} - 1\right)\left(e^{2\frac{y\pi}{\sqrt{x}}} + 1\right)^{-1}$   | ABI | CDIF | TH   | MINUS |
| 4217 | 2697 | 1 | $\frac{\sqrt{y}\pi}{\sqrt{x}}$   | ABI | AB   | CDF  | PLUS  |
| 4218 | 2697 | 2 |  | ABI | ABI  | CDF  | MINUS |
| 4219 | 2698 | 1 | $\frac{\pi}{\sqrt{x}\sqrt{y}}$   | ABI | AB   | CDF  | MINUS |
| 4220 | 2698 | 2 |  | ABI | ABI  | CDF  | PLUS  |
| 4221 | 2699 | 1 | $\frac{\sqrt{x}}{\sqrt{y}\pi}$   | ABI | AB   | CDIF | PLUS  |
| 4222 | 2699 | 2 |  | ABI | ABI  | CDIF | MINUS |
| 4223 | 2700 | 1 | $\frac{\sqrt{x}\sqrt{y}}{\pi}$   | ABI | AB   | CDIF | MINUS |
| 4224 | 2700 | 2 |  | ABI | ABI  | CDIF | PLUS  |
| 4225 | 2701 | 1 | $\sqrt{\frac{\sqrt{y}}{\sqrt{x}}}$   | ABI | AB   | W    | PLUS  |
| 4226 | 2701 | 2 |  | ABI | ABI  | W    | MINUS |
| 4227 | 2702 | 1 | $\sqrt{\frac{1}{\sqrt{x}\sqrt{y}}}$  | ABI | AB   | W    | MINUS |
| 4228 | 2702 | 2 |  | ABI | ABI  | W    | PLUS  |
| 4229 | 2703 | 1 | $e^{\frac{\sqrt{y}}{\sqrt{x}}}$  | ABI | AB   | LL   | PLUS  |
| 4230 | 2703 | 2 |  | ABI | ABI  | LL   | MINUS |
| 4231 | 2704 | 1 | $e^{\frac{1}{\sqrt{x}\sqrt{y}}}$   | ABI | AB   | LL   | MINUS |
| 4232 | 2704 | 2 |  | ABI | ABI  | LL   | PLUS  |
| 4233 | 2705 | 1 | $LOG\left(\frac{\sqrt{y}}{\sqrt{x}}\right)$  | ABI | AB   | L    | PLUS  |
| 4234 | 2705 | 2 |  | ABI | ABI  | L    | MINUS |

|      |      |   |  |     |     |    |       |
|------|------|---|--|-----|-----|----|-------|
| 4235 | 2706 | 1 | $LOG\left(\frac{1}{\sqrt{x}\sqrt{y}}\right)$                               | ABI | AB  | L  | MINUS |
| 4236 | 2706 | 2 |  | ABI | ABI | L  | PLUS  |
| 4237 | 2707 | 1 | $\arcsin\left(\frac{\sqrt{y}}{\sqrt{x}}\right)$                            | ABI | AB  | S  | PLUS  |
| 4238 | 2707 | 2 |  | ABI | ABI | S  | MINUS |
| 4239 | 2708 | 1 | $\arcsin\left(\frac{1}{\sqrt{x}\sqrt{y}}\right)$                           | ABI | AB  | S  | MINUS |
| 4240 | 2708 | 2 |  | ABI | ABI | S  | PLUS  |
| 4241 | 2709 | 1 | $\arctan\left(\frac{\sqrt{y}}{\sqrt{x}}\right)$                            | ABI | AB  | T  | PLUS  |
| 4242 | 2709 | 2 |  | ABI | ABI | T  | MINUS |
| 4243 | 2710 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\sqrt{y}}\right)$                           | ABI | AB  | T  | MINUS |
| 4244 | 2710 | 2 |  | ABI | ABI | T  | PLUS  |
| 4245 | 2711 | 1 | $\sqrt{\frac{x-y}{x}}$   | ABI | AB  | P  | PLUS  |
| 4246 | 2711 | 2 |  | ABI | ABI | P  | MINUS |
| 4247 | 2712 | 1 | $\sqrt{\frac{xy-1}{xy}}$   | ABI | AB  | P  | MINUS |
| 4248 | 2712 | 2 |  | ABI | ABI | P  | PLUS  |
| 4249 | 2713 | 1 | $\sqrt{\frac{x+y}{x}}$   | ABI | AB  | H  | PLUS  |
| 4250 | 2713 | 2 |  | ABI | ABI | H  | MINUS |
| 4251 | 2714 | 1 | $\sqrt{\frac{xy+1}{xy}}$   | ABI | AB  | H  | MINUS |
| 4252 | 2714 | 2 |  | ABI | ABI | H  | PLUS  |
| 4253 | 2715 | 1 | $1/2 e^{\frac{\sqrt{y}}{\sqrt{x}}} - 1/2 e^{-\frac{\sqrt{y}}{\sqrt{x}}}$   | ABI | AB  | SH | PLUS  |
| 4254 | 2715 | 2 |  | ABI | ABI | SH | MINUS |
| 4255 | 2716 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\sqrt{y}}} - 1/2 e^{-\frac{1}{\sqrt{x}\sqrt{y}}}$ | ABI | AB  | SH | MINUS |
| 4256 | 2716 | 2 |  | ABI | ABI | SH | PLUS  |
| 4257 | 2717 | 1 | $1/2 e^{\frac{\sqrt{y}}{\sqrt{x}}} + 1/2 e^{-\frac{\sqrt{y}}{\sqrt{x}}}$   | ABI | AB  | CH | PLUS  |
| 4258 | 2717 | 2 |  | ABI | ABI | CH | MINUS |
| 4259 | 2718 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\sqrt{y}}} + 1/2 e^{-\frac{1}{\sqrt{x}\sqrt{y}}}$ | ABI | AB  | CH | MINUS |
| 4260 | 2718 | 2 |  | ABI | ABI | CH | PLUS  |

|      |      |   |  |     |     |      |       |
|------|------|---|--|-----|-----|------|-------|
| 4261 | 2719 | 1 | $1 \left( e^{2 \frac{\sqrt{y}}{\sqrt{x}}} - 1 \right) \left( e^{2 \frac{\sqrt{y}}{\sqrt{x}}} + 1 \right)^{-1}$   | ABI | AB  | TH   | PLUS  |
| 4262 | 2719 | 2 |  | ABI | ABI | TH   | MINUS |
| 4263 | 2720 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{x}\sqrt{y}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{x}\sqrt{y}}} + 1 \right)^{-1}$ | ABI | AB  | TH   | MINUS |
| 4264 | 2720 | 2 |  | ABI | ABI | TH   | PLUS  |
| 4265 | 2721 | 1 | $\frac{y^2 \pi}{\sqrt{x}}$   | ABI | W   | CDF  | PLUS  |
| 4266 | 2722 | 1 | $\frac{\pi}{\sqrt{xy^2}}$  | ABI | W   | CDF  | MINUS |
| 4267 | 2723 | 1 | $\frac{\sqrt{x}}{y^2 \pi}$   | ABI | W   | CDIF | PLUS  |
| 4268 | 2724 | 1 | $\frac{\sqrt{x} y^2}{\pi}$   | ABI | W   | CDIF | MINUS |
| 4269 | 2725 | 1 | $\sqrt{\frac{y^2}{\sqrt{x}}}$  | ABI | W   | W    | PLUS  |
| 4270 | 2726 | 1 | $\sqrt{\frac{1}{\sqrt{x} y^2}}$  | ABI | W   | W    | MINUS |
| 4271 | 2727 | 1 | $e^{\frac{y^2}{\sqrt{x}}}$   | ABI | W   | LL   | PLUS  |
| 4272 | 2728 | 1 | $e^{\frac{1}{\sqrt{x} y^2}}$   | ABI | W   | LL   | MINUS |
| 4273 | 2729 | 1 | $LOG \left( \frac{y^2}{\sqrt{x}} \right)$  | ABI | W   | L    | PLUS  |
| 4274 | 2730 | 1 | $LOG \left( \frac{1}{\sqrt{x} y^2} \right)$  | ABI | W   | L    | MINUS |
| 4275 | 2731 | 1 | $\arcsin \left( \frac{y^2}{\sqrt{x}} \right)$  | ABI | W   | S    | PLUS  |
| 4276 | 2732 | 1 | $\arcsin \left( \frac{1}{\sqrt{x} y^2} \right)$  | ABI | W   | S    | MINUS |
| 4277 | 2733 | 1 | $\arctan \left( \frac{y^2}{\sqrt{x}} \right)$  | ABI | W   | T    | PLUS  |
| 4278 | 2734 | 1 | $\arctan \left( \frac{1}{\sqrt{x} y^2} \right)$  | ABI | W   | T    | MINUS |
| 4279 | 2735 | 1 | $\sqrt{\frac{-y^4+x}{x}}$  | ABI | W   | P    | PLUS  |
| 4280 | 2736 | 1 | $\sqrt{\frac{xy^4-1}{xy^4}}$   | ABI | W   | P    | MINUS |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 4281 | 2737 | 1 | $\sqrt{\frac{y^4+x}{x}}$   | ABI | W  | H    | PLUS  |
| 4282 | 2738 | 1 | $\sqrt{\frac{xy^4+1}{xy^4}}$   | ABI | W  | H    | MINUS |
| 4283 | 2739 | 1 | $1/2 e^{\frac{y^2}{\sqrt{x}}} - 1/2 e^{-\frac{y^2}{\sqrt{x}}}$   | ABI | W  | SH   | PLUS  |
| 4284 | 2740 | 1 | $1/2 e^{\frac{1}{\sqrt{xy^2}}} - 1/2 e^{-\frac{1}{\sqrt{xy^2}}}$                                       | ABI | W  | SH   | MINUS |
| 4285 | 2741 | 1 | $1/2 e^{\frac{y^2}{\sqrt{x}}} + 1/2 e^{-\frac{y^2}{\sqrt{x}}}$   | ABI | W  | CH   | PLUS  |
| 4286 | 2742 | 1 | $1/2 e^{\frac{1}{\sqrt{xy^2}}} + 1/2 e^{-\frac{1}{\sqrt{xy^2}}}$                                       | ABI | W  | CH   | MINUS |
| 4287 | 2743 | 1 | $1 \left( e^{2 \frac{y^2}{\sqrt{x}}} - 1 \right) \left( e^{2 \frac{y^2}{\sqrt{x}}} + 1 \right)^{-1}$   | ABI | W  | TH   | PLUS  |
| 4288 | 2744 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{xy^2}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{xy^2}}} + 1 \right)^{-1}$ | ABI | W  | TH   | MINUS |
| 4289 | 2745 | 1 | $\frac{\sqrt[3]{y}\pi}{\sqrt{x}}$  | ABI | K  | CDF  | PLUS  |
| 4290 | 2745 | 2 |  | ABI | KI | CDF  | MINUS |
| 4291 | 2746 | 1 | $\frac{\pi}{\sqrt{x} \sqrt[3]{y}}$   | ABI | K  | CDF  | MINUS |
| 4292 | 2746 | 2 |  | ABI | KI | CDF  | PLUS  |
| 4293 | 2747 | 1 | $\frac{\sqrt{x}}{\sqrt[3]{y}\pi}$  | ABI | K  | CDIF | PLUS  |
| 4294 | 2747 | 2 |  | ABI | KI | CDIF | MINUS |
| 4295 | 2748 | 1 | $\frac{\sqrt{x} \sqrt[3]{y}}{\pi}$   | ABI | K  | CDIF | MINUS |
| 4296 | 2748 | 2 |  | ABI | KI | CDIF | PLUS  |
| 4297 | 2749 | 1 | $\sqrt{\frac{\sqrt[3]{y}}{\sqrt{x}}}$  | ABI | K  | W    | PLUS  |
| 4298 | 2749 | 2 |  | ABI | KI | W    | MINUS |
| 4299 | 2750 | 1 | $\sqrt{\frac{1}{\sqrt{x} \sqrt[3]{y}}}$  | ABI | K  | W    | MINUS |
| 4300 | 2750 | 2 |  | ABI | KI | W    | PLUS  |
| 4301 | 2751 | 1 | $e^{\frac{\sqrt[3]{y}}{\sqrt{x}}}$   | ABI | K  | LL   | PLUS  |
| 4302 | 2751 | 2 |  | ABI | KI | LL   | MINUS |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 4303 | 2752 | 1 | $e^{\frac{1}{\sqrt{x}\sqrt[3]{y}}}$  | ABI | K  | LL | MINUS |
| 4304 | 2752 | 2 |  | ABI | KI | LL | PLUS  |
| 4305 | 2753 | 1 | $LOG\left(\frac{\sqrt[3]{y}}{\sqrt{x}}\right)$                                   | ABI | K  | L  | PLUS  |
| 4306 | 2753 | 2 |  | ABI | KI | L  | MINUS |
| 4307 | 2754 | 1 | $LOG\left(\frac{1}{\sqrt{x}\sqrt[3]{y}}\right)$                                  | ABI | K  | L  | MINUS |
| 4308 | 2754 | 2 |  | ABI | KI | L  | PLUS  |
| 4309 | 2755 | 1 | $\arcsin\left(\frac{\sqrt[3]{y}}{\sqrt{x}}\right)$                               | ABI | K  | S  | PLUS  |
| 4310 | 2755 | 2 |  | ABI | KI | S  | MINUS |
| 4311 | 2756 | 1 | $\arcsin\left(\frac{1}{\sqrt{x}\sqrt[3]{y}}\right)$                              | ABI | K  | S  | MINUS |
| 4312 | 2756 | 2 |  | ABI | KI | S  | PLUS  |
| 4313 | 2757 | 1 | $\arctan\left(\frac{\sqrt[3]{y}}{\sqrt{x}}\right)$                               | ABI | K  | T  | PLUS  |
| 4314 | 2757 | 2 |  | ABI | KI | T  | MINUS |
| 4315 | 2758 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\sqrt[3]{y}}\right)$                              | ABI | K  | T  | MINUS |
| 4316 | 2758 | 2 |  | ABI | KI | T  | PLUS  |
| 4317 | 2759 | 1 | $\sqrt{-\frac{y^{2/3}-x}{x}}$  | ABI | K  | P  | PLUS  |
| 4318 | 2759 | 2 |  | ABI | KI | P  | MINUS |
| 4319 | 2760 | 1 | $\sqrt{\frac{xy^{2/3}-1}{xy^{2/3}}}$   | ABI | K  | P  | MINUS |
| 4320 | 2760 | 2 |  | ABI | KI | P  | PLUS  |
| 4321 | 2761 | 1 | $\sqrt{\frac{y^{2/3}+x}{x}}$   | ABI | K  | H  | PLUS  |
| 4322 | 2761 | 2 |  | ABI | KI | H  | MINUS |
| 4323 | 2762 | 1 | $\sqrt{\frac{xy^{2/3}+1}{xy^{2/3}}}$   | ABI | K  | H  | MINUS |
| 4324 | 2762 | 2 |  | ABI | KI | H  | PLUS  |
| 4325 | 2763 | 1 | $1/2 e^{\frac{\sqrt[3]{y}}{\sqrt{x}}} - 1/2 e^{-\frac{\sqrt[3]{y}}{\sqrt{x}}}$   | ABI | K  | SH | PLUS  |
| 4326 | 2763 | 2 |  | ABI | KI | SH | MINUS |
| 4327 | 2764 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\sqrt[3]{y}}} - 1/2 e^{-\frac{1}{\sqrt{x}\sqrt[3]{y}}}$ | ABI | K  | SH | MINUS |
| 4328 | 2764 | 2 |  | ABI | KI | SH | PLUS  |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 4329 | 2765 | 1 | $1/2 e^{\frac{\sqrt[3]{y}}{\sqrt{x}}} + 1/2 e^{-\frac{\sqrt[3]{y}}{\sqrt{x}}}$   | ABI | K  | CH   | PLUS  |
| 4330 | 2765 | 2 |  | ABI | KI | CH   | MINUS |
| 4331 | 2766 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \sqrt[3]{y}}} + 1/2 e^{-\frac{1}{\sqrt{x} \sqrt[3]{y}}}$                                       | ABI | K  | CH   | MINUS |
| 4332 | 2766 | 2 |  | ABI | KI | CH   | PLUS  |
| 4333 | 2767 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{y}}{\sqrt{x}}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{y}}{\sqrt{x}}} + 1 \right)^{-1}$     | ABI | K  | TH   | PLUS  |
| 4334 | 2767 | 2 |  | ABI | KI | TH   | MINUS |
| 4335 | 2768 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{x} \sqrt[3]{y}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{x} \sqrt[3]{y}}} + 1 \right)^{-1}$ | ABI | K  | TH   | MINUS |
| 4336 | 2768 | 2 |  | ABI | KI | TH   | PLUS  |
| 4337 | 2769 | 1 | $\frac{\ln(y)\pi}{\sqrt{x}}$   | ABI | LL | CDF  | PLUS  |
| 4338 | 2770 | 1 | $\frac{\pi}{\sqrt{x} \ln(y)}$  | ABI | LL | CDF  | MINUS |
| 4339 | 2771 | 1 | $\frac{\sqrt{x}}{\ln(y)\pi}$   | ABI | LL | CDIF | PLUS  |
| 4340 | 2772 | 1 | $\frac{\sqrt{x} \ln(y)}{\pi}$  | ABI | LL | CDIF | MINUS |
| 4341 | 2773 | 1 | $\sqrt{\frac{\ln(y)}{\sqrt{x}}}$   | ABI | LL | W    | PLUS  |
| 4342 | 2774 | 1 | $\sqrt{\frac{1}{\sqrt{x} \ln(y)}}$   | ABI | LL | W    | MINUS |
| 4343 | 2775 | 1 | $y^{\frac{1}{\sqrt{x}}}$   | ABI | LL | LL   | PLUS  |
| 4344 | 2776 | 1 | $e^{\frac{1}{\sqrt{x} \ln(y)}}$  | ABI | LL | LL   | MINUS |
| 4345 | 2777 | 1 | $LOG \left( \frac{\ln(y)}{\sqrt{x}} \right)$   | ABI | LL | L    | PLUS  |
| 4346 | 2778 | 1 | $LOG \left( \frac{1}{\sqrt{x} \ln(y)} \right)$   | ABI | LL | L    | MINUS |
| 4347 | 2779 | 1 | $\arcsin \left( \frac{\ln(y)}{\sqrt{x}} \right)$   | ABI | LL | S    | PLUS  |
| 4348 | 2780 | 1 | $\arcsin \left( \frac{1}{\sqrt{x} \ln(y)} \right)$   | ABI | LL | S    | MINUS |
| 4349 | 2781 | 1 | $\arctan \left( \frac{\ln(y)}{\sqrt{x}} \right)$   | ABI | LL | T    | PLUS  |



|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 4350 | 2782 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\ln(y)}\right)$   | ABI | LL | T    | MINUS |
| 4351 | 2783 | 1 | $\sqrt{-\frac{(\ln(y))^2-x}{x}}$   | ABI | LL | P    | PLUS  |
| 4352 | 2784 | 1 | $\sqrt{\frac{x(\ln(y))^2-1}{x(\ln(y))^2}}$   | ABI | LL | P    | MINUS |
| 4353 | 2785 | 1 | $\sqrt{\frac{(\ln(y))^2+x}{x}}$  | ABI | LL | H    | PLUS  |
| 4354 | 2786 | 1 | $\sqrt{\frac{x(\ln(y))^2+1}{x(\ln(y))^2}}$   | ABI | LL | H    | MINUS |
| 4355 | 2787 | 1 | $1/2 y^{\frac{1}{\sqrt{x}}} - 1/2 y^{-\frac{1}{\sqrt{x}}}$   | ABI | LL | SH   | PLUS  |
| 4356 | 2788 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\ln(y)}} - 1/2 e^{-\frac{1}{\sqrt{x}\ln(y)}}$                               | ABI | LL | SH   | MINUS |
| 4357 | 2789 | 1 | $1/2 y^{\frac{1}{\sqrt{x}}} + 1/2 y^{-\frac{1}{\sqrt{x}}}$   | ABI | LL | CH   | PLUS  |
| 4358 | 2790 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\ln(y)}} + 1/2 e^{-\frac{1}{\sqrt{x}\ln(y)}}$                               | ABI | LL | CH   | MINUS |
| 4359 | 2791 | 1 | $1\left(y^{2\frac{1}{\sqrt{x}}} - 1\right)\left(y^{2\frac{1}{\sqrt{x}}} + 1\right)^{-1}$             | ABI | LL | TH   | PLUS  |
| 4360 | 2792 | 1 | $1\left(e^{2\frac{1}{\sqrt{x}\ln(y)}} - 1\right)\left(e^{2\frac{1}{\sqrt{x}\ln(y)}} + 1\right)^{-1}$ | ABI | LL | TH   | MINUS |
| 4361 | 2793 | 1 | $\frac{EXP(y)\pi}{\sqrt{x}}$   | ABI | L  | CDF  | PLUS  |
| 4362 | 2794 | 1 | $\frac{\pi}{\sqrt{x}EXP(y)}$   | ABI | L  | CDF  | MINUS |
| 4363 | 2795 | 1 | $\frac{\sqrt{x}}{EXP(y)\pi}$   | ABI | L  | CDIF | PLUS  |
| 4364 | 2796 | 1 | $\frac{\sqrt{x}EXP(y)}{\pi}$   | ABI | L  | CDIF | MINUS |
| 4365 | 2797 | 1 | $\sqrt{\frac{EXP(y)}{\sqrt{x}}}$   | ABI | L  | W    | PLUS  |
| 4366 | 2798 | 1 | $\sqrt{\frac{1}{\sqrt{x}EXP(y)}}$  | ABI | L  | W    | MINUS |
| 4367 | 2799 | 1 | $e^{\frac{EXP(y)}{\sqrt{x}}}$  | ABI | L  | LL   | PLUS  |
| 4368 | 2800 | 1 | $e^{\frac{1}{\sqrt{x}EXP(y)}}$   | ABI | L  | LL   | MINUS |

|      |      |   |  |     |   |      |       |
|------|------|---|--|-----|---|------|-------|
| 4369 | 2801 | 1 | $LOG\left(\frac{EXP(y)}{\sqrt{x}}\right)$  | ABI | L | L    | PLUS  |
| 4370 | 2802 | 1 | $LOG\left(\frac{1}{\sqrt{x}EXP(y)}\right)$   | ABI | L | L    | MINUS |
| 4371 | 2803 | 1 | $\arcsin\left(\frac{EXP(y)}{\sqrt{x}}\right)$  | ABI | L | S    | PLUS  |
| 4372 | 2804 | 1 | $\arcsin\left(\frac{1}{\sqrt{x}EXP(y)}\right)$   | ABI | L | S    | MINUS |
| 4373 | 2805 | 1 | $\arctan\left(\frac{EXP(y)}{\sqrt{x}}\right)$  | ABI | L | T    | PLUS  |
| 4374 | 2806 | 1 | $\arctan\left(\frac{1}{\sqrt{x}EXP(y)}\right)$   | ABI | L | T    | MINUS |
| 4375 | 2807 | 1 | $\sqrt{-\frac{(EXP(y))^2-x}{x}}$   | ABI | L | P    | PLUS  |
| 4376 | 2808 | 1 | $\sqrt{\frac{x(EXP(y))^2-1}{x(EXP(y))^2}}$   | ABI | L | P    | MINUS |
| 4377 | 2809 | 1 | $\sqrt{\frac{(EXP(y))^2+x}{x}}$  | ABI | L | H    | PLUS  |
| 4378 | 2810 | 1 | $\sqrt{\frac{x(EXP(y))^2+1}{x(EXP(y))^2}}$   | ABI | L | H    | MINUS |
| 4379 | 2811 | 1 | $1/2 e^{\frac{EXP(y)}{\sqrt{x}}} - 1/2 e^{-\frac{EXP(y)}{\sqrt{x}}}$                                 | ABI | L | SH   | PLUS  |
| 4380 | 2812 | 1 | $1/2 e^{\frac{1}{\sqrt{x}EXP(y)}} - 1/2 e^{-\frac{1}{\sqrt{x}EXP(y)}}$                               | ABI | L | SH   | MINUS |
| 4381 | 2813 | 1 | $1/2 e^{\frac{EXP(y)}{\sqrt{x}}} + 1/2 e^{-\frac{EXP(y)}{\sqrt{x}}}$                                 | ABI | L | CH   | PLUS  |
| 4382 | 2814 | 1 | $1/2 e^{\frac{1}{\sqrt{x}EXP(y)}} + 1/2 e^{-\frac{1}{\sqrt{x}EXP(y)}}$                               | ABI | L | CH   | MINUS |
| 4383 | 2815 | 1 | $1\left(e^{2\frac{EXP(y)}{\sqrt{x}}} - 1\right)\left(e^{2\frac{EXP(y)}{\sqrt{x}}} + 1\right)^{-1}$   | ABI | L | TH   | PLUS  |
| 4384 | 2816 | 1 | $1\left(e^{2\frac{1}{\sqrt{x}EXP(y)}} - 1\right)\left(e^{2\frac{1}{\sqrt{x}EXP(y)}} + 1\right)^{-1}$ | ABI | L | TH   | MINUS |
| 4385 | 2817 | 1 | $\frac{\sin(y)\pi}{\sqrt{x}}$  | ABI | S | CDF  | PLUS  |
| 4386 | 2818 | 1 | $\frac{\pi}{\sqrt{x}\sin(y)}$  | ABI | S | CDF  | MINUS |
| 4387 | 2819 | 1 | $\frac{\sqrt{x}}{\sin(y)\pi}$  | ABI | S | CDIF | PLUS  |

|      |      |   |  |     |   |      |       |
|------|------|---|--|-----|---|------|-------|
| 4388 | 2820 | 1 | $\frac{\sqrt{x} \sin(y)}{\pi}$   | ABI | S | CDIF | MINUS |
| 4389 | 2821 | 1 | $\sqrt{\frac{\sin(y)}{\sqrt{x}}}$  | ABI | S | W    | PLUS  |
| 4390 | 2822 | 1 | $\sqrt{\frac{1}{\sqrt{x} \sin(y)}}$  | ABI | S | W    | MINUS |
| 4391 | 2823 | 1 | $e^{\frac{\sin(y)}{\sqrt{x}}}$   | ABI | S | LL   | PLUS  |
| 4392 | 2824 | 1 | $e^{\frac{1}{\sqrt{x} \sin(y)}}$   | ABI | S | LL   | MINUS |
| 4393 | 2825 | 1 | $LOG\left(\frac{\sin(y)}{\sqrt{x}}\right)$                                 | ABI | S | L    | PLUS  |
| 4394 | 2826 | 1 | $LOG\left(\frac{1}{\sqrt{x} \sin(y)}\right)$                               | ABI | S | L    | MINUS |
| 4395 | 2827 | 1 | $\arcsin\left(\frac{\sin(y)}{\sqrt{x}}\right)$                             | ABI | S | S    | PLUS  |
| 4396 | 2828 | 1 | $\arcsin\left(\frac{1}{\sqrt{x} \sin(y)}\right)$                           | ABI | S | S    | MINUS |
| 4397 | 2829 | 1 | $\arctan\left(\frac{\sin(y)}{\sqrt{x}}\right)$                             | ABI | S | T    | PLUS  |
| 4398 | 2830 | 1 | $\arctan\left(\frac{1}{\sqrt{x} \sin(y)}\right)$                           | ABI | S | T    | MINUS |
| 4399 | 2831 | 1 | $\sqrt{\frac{(\cos(y))^2 + x - 1}{x}}$                                     | ABI | S | P    | PLUS  |
| 4400 | 2832 | 1 | $\sqrt{\frac{x(\sin(y))^2 - 1}{x(\sin(y))^2}}$                             | ABI | S | P    | MINUS |
| 4401 | 2833 | 1 | $\sqrt{-\frac{(\cos(y))^2 - x - 1}{x}}$                                    | ABI | S | H    | PLUS  |
| 4402 | 2834 | 1 | $\sqrt{\frac{x(\sin(y))^2 + 1}{x(\sin(y))^2}}$                             | ABI | S | H    | MINUS |
| 4403 | 2835 | 1 | $1/2 e^{\frac{\sin(y)}{\sqrt{x}}} - 1/2 e^{-\frac{\sin(y)}{\sqrt{x}}}$     | ABI | S | SH   | PLUS  |
| 4404 | 2836 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \sin(y)}} - 1/2 e^{-\frac{1}{\sqrt{x} \sin(y)}}$ | ABI | S | SH   | MINUS |
| 4405 | 2837 | 1 | $1/2 e^{\frac{\sin(y)}{\sqrt{x}}} + 1/2 e^{-\frac{\sin(y)}{\sqrt{x}}}$     | ABI | S | CH   | PLUS  |

|      |      |   |  |     |   |      |       |
|------|------|---|--|-----|---|------|-------|
| 4406 | 2838 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \sin(y)}} + 1/2 e^{-\frac{1}{\sqrt{x} \sin(y)}}$                                       | ABI | S | CH   | MINUS |
| 4407 | 2839 | 1 | $1 \left( e^{2 \frac{\sin(y)}{\sqrt{x}}} - 1 \right) \left( e^{2 \frac{\sin(y)}{\sqrt{x}}} + 1 \right)^{-1}$     | ABI | S | TH   | PLUS  |
| 4408 | 2840 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{x} \sin(y)}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{x} \sin(y)}} + 1 \right)^{-1}$ | ABI | S | TH   | MINUS |
| 4409 | 2841 | 1 | $\frac{\tan(y)\pi}{\sqrt{x}}$  | ABI | T | CDF  | PLUS  |
| 4410 | 2842 | 1 | $\frac{\pi}{\sqrt{x} \tan(y)}$   | ABI | T | CDF  | MINUS |
| 4411 | 2843 | 1 | $\frac{\sqrt{x}}{\tan(y)\pi}$  | ABI | T | CDIF | PLUS  |
| 4412 | 2844 | 1 | $\frac{\sqrt{x} \tan(y)}{\pi}$   | ABI | T | CDIF | MINUS |
| 4413 | 2845 | 1 | $\sqrt{\frac{\tan(y)}{\sqrt{x}}}$  | ABI | T | W    | PLUS  |
| 4414 | 2846 | 1 | $\sqrt{\frac{1}{\sqrt{x} \tan(y)}}$  | ABI | T | W    | MINUS |
| 4415 | 2847 | 1 | $e^{\frac{\tan(y)}{\sqrt{x}}}$   | ABI | T | LL   | PLUS  |
| 4416 | 2848 | 1 | $e^{\frac{1}{\sqrt{x} \tan(y)}}$   | ABI | T | LL   | MINUS |
| 4417 | 2849 | 1 | $LOG \left( \frac{\tan(y)}{\sqrt{x}} \right)$  | ABI | T | L    | PLUS  |
| 4418 | 2850 | 1 | $LOG \left( \frac{1}{\sqrt{x} \tan(y)} \right)$  | ABI | T | L    | MINUS |
| 4419 | 2851 | 1 | $\arcsin \left( \frac{\tan(y)}{\sqrt{x}} \right)$  | ABI | T | S    | PLUS  |
| 4420 | 2852 | 1 | $\arcsin \left( \frac{1}{\sqrt{x} \tan(y)} \right)$  | ABI | T | S    | MINUS |
| 4421 | 2853 | 1 | $\arctan \left( \frac{\tan(y)}{\sqrt{x}} \right)$  | ABI | T | T    | PLUS  |
| 4422 | 2854 | 1 | $\arctan \left( \frac{1}{\sqrt{x} \tan(y)} \right)$  | ABI | T | T    | MINUS |
| 4423 | 2855 | 1 | $\sqrt{\frac{(\cos(y))^2 x + (\cos(y))^2 - 1}{(\cos(y))^2 x}}$   | ABI | T | P    | PLUS  |
| 4424 | 2856 | 1 | $\sqrt{\frac{x(\tan(y))^2 - 1}{x(\tan(y))^2}}$   | ABI | T | P    | MINUS |

|      |      |   |  |     |   |      |       |
|------|------|---|--|-----|---|------|-------|
| 4425 | 2857 | 1 | $\sqrt{\frac{(\cos(y))^2 x - (\cos(y))^2 + 1}{(\cos(y))^2 x}}$   | ABI | T | H    | PLUS  |
| 4426 | 2858 | 1 | $\sqrt{\frac{x(\tan(y))^2 + 1}{x(\tan(y))^2}}$   | ABI | T | H    | MINUS |
| 4427 | 2859 | 1 | $1/2 e^{\frac{\tan(y)}{\sqrt{x}}} - 1/2 e^{-\frac{\tan(y)}{\sqrt{x}}}$   | ABI | T | SH   | PLUS  |
| 4428 | 2860 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \tan(y)}} - 1/2 e^{-\frac{1}{\sqrt{x} \tan(y)}}$                                       | ABI | T | SH   | MINUS |
| 4429 | 2861 | 1 | $1/2 e^{\frac{\tan(y)}{\sqrt{x}}} + 1/2 e^{-\frac{\tan(y)}{\sqrt{x}}}$   | ABI | T | CH   | PLUS  |
| 4430 | 2862 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \tan(y)}} + 1/2 e^{-\frac{1}{\sqrt{x} \tan(y)}}$                                       | ABI | T | CH   | MINUS |
| 4431 | 2863 | 1 | $1 \left( e^{2 \frac{\tan(y)}{\sqrt{x}}} - 1 \right) \left( e^{2 \frac{\tan(y)}{\sqrt{x}}} + 1 \right)^{-1}$     | ABI | T | TH   | PLUS  |
| 4432 | 2864 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{x} \tan(y)}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{x} \tan(y)}} + 1 \right)^{-1}$ | ABI | T | TH   | MINUS |
| 4433 | 2865 | 1 | $\frac{\sqrt{-y^2+1}\pi}{\sqrt{x}}$  | ABI | P | CDF  | PLUS  |
| 4434 | 2866 | 1 | $\frac{\pi}{\sqrt{x}\sqrt{-y^2+1}}$  | ABI | P | CDF  | MINUS |
| 4435 | 2867 | 1 | $\frac{\sqrt{x}}{\sqrt{-y^2+1}\pi}$  | ABI | P | CDIF | PLUS  |
| 4436 | 2868 | 1 | $\frac{\sqrt{x}\sqrt{-y^2+1}}{\pi}$  | ABI | P | CDIF | MINUS |
| 4437 | 2869 | 1 | $\sqrt{\frac{\sqrt{-y^2+1}}{\sqrt{x}}}$  | ABI | P | W    | PLUS  |
| 4438 | 2870 | 1 | $\sqrt{\frac{1}{\sqrt{x}\sqrt{-y^2+1}}}$   | ABI | P | W    | MINUS |
| 4439 | 2871 | 1 | $e^{\frac{\sqrt{-y^2+1}}{\sqrt{x}}}$   | ABI | P | LL   | PLUS  |
| 4440 | 2872 | 1 | $e^{\frac{1}{\sqrt{x}\sqrt{-y^2+1}}}$  | ABI | P | LL   | MINUS |
| 4441 | 2873 | 1 | $LOG\left(\frac{\sqrt{-y^2+1}}{\sqrt{x}}\right)$   | ABI | P | L    | PLUS  |

|      |      |   |  |     |   |    |       |
|------|------|---|--|-----|---|----|-------|
| 4442 | 2874 | 1 | $LOG\left(\frac{1}{\sqrt{x}\sqrt{-y^2+1}}\right)$  | ABI | P | L  | MINUS |
| 4443 | 2875 | 1 | $\arcsin\left(\frac{\sqrt{-y^2+1}}{\sqrt{x}}\right)$   | ABI | P | S  | PLUS  |
| 4444 | 2876 | 1 | $\arcsin\left(\frac{1}{\sqrt{x}\sqrt{-y^2+1}}\right)$  | ABI | P | S  | MINUS |
| 4445 | 2877 | 1 | $\arctan\left(\frac{\sqrt{-y^2+1}}{\sqrt{x}}\right)$   | ABI | P | T  | PLUS  |
| 4446 | 2878 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\sqrt{-y^2+1}}\right)$  | ABI | P | T  | MINUS |
| 4447 | 2879 | 1 | $\sqrt{\frac{y^2+x-1}{x}}$   | ABI | P | P  | PLUS  |
| 4448 | 2879 | 2 |  | ABI | H | H  | PLUS  |
| 4449 | 2880 | 1 | $\sqrt{\frac{xy^2-x+1}{x(y^2-1)}}$   | ABI | P | P  | MINUS |
| 4450 | 2880 | 2 |  | ABI | H | H  | MINUS |
| 4451 | 2881 | 1 | $\sqrt{\frac{-y^2+x+1}{x}}$  | ABI | P | H  | PLUS  |
| 4452 | 2881 | 2 |  | ABI | H | P  | PLUS  |
| 4453 | 2882 | 1 | $\sqrt{\frac{xy^2-x-1}{x(y^2-1)}}$   | ABI | P | H  | MINUS |
| 4454 | 2882 | 2 |  | ABI | H | P  | MINUS |
| 4455 | 2883 | 1 | $1/2e^{\frac{\sqrt{-y^2+1}}{\sqrt{x}}} - 1/2e^{-\frac{\sqrt{-y^2+1}}{\sqrt{x}}}$                                   | ABI | P | SH | PLUS  |
| 4456 | 2884 | 1 | $1/2e^{\frac{1}{\sqrt{x}\sqrt{-y^2+1}}} - 1/2e^{-\frac{1}{\sqrt{x}\sqrt{-y^2+1}}}$                                 | ABI | P | SH | MINUS |
| 4457 | 2885 | 1 | $1/2e^{\frac{\sqrt{-y^2+1}}{\sqrt{x}}} + 1/2e^{-\frac{\sqrt{-y^2+1}}{\sqrt{x}}}$                                   | ABI | P | CH | PLUS  |
| 4458 | 2886 | 1 | $1/2e^{\frac{1}{\sqrt{x}\sqrt{-y^2+1}}} + 1/2e^{-\frac{1}{\sqrt{x}\sqrt{-y^2+1}}}$                                 | ABI | P | CH | MINUS |
| 4459 | 2887 | 1 | $1\left(e^{2\frac{\sqrt{-y^2+1}}{\sqrt{x}}} - 1\right)\left(e^{2\frac{\sqrt{-y^2+1}}{\sqrt{x}}} + 1\right)^{-1}$   | ABI | P | TH | PLUS  |
| 4460 | 2888 | 1 | $1\left(e^{2\frac{1}{\sqrt{x}\sqrt{-y^2+1}}} - 1\right)\left(e^{2\frac{1}{\sqrt{x}\sqrt{-y^2+1}}} + 1\right)^{-1}$ | ABI | P | TH | MINUS |

|      |      |   |  |     |   |      |       |
|------|------|---|--|-----|---|------|-------|
| 4461 | 2889 | 1 | $\frac{\sqrt{y^2-1}\pi}{\sqrt{x}}$   | ABI | H | CDF  | PLUS  |
| 4462 | 2890 | 1 | $\frac{\pi}{\sqrt{x}\sqrt{y^2-1}}$   | ABI | H | CDF  | MINUS |
| 4463 | 2891 | 1 | $\frac{\sqrt{x}}{\sqrt{y^2-1}\pi}$   | ABI | H | CDIF | PLUS  |
| 4464 | 2892 | 1 | $\frac{\sqrt{x}\sqrt{y^2-1}}{\pi}$   | ABI | H | CDIF | MINUS |
| 4465 | 2893 | 1 | $\sqrt{\frac{\sqrt{y^2-1}}{\sqrt{x}}}$   | ABI | H | W    | PLUS  |
| 4466 | 2894 | 1 | $\sqrt{\frac{1}{\sqrt{x}\sqrt{y^2-1}}}$  | ABI | H | W    | MINUS |
| 4467 | 2895 | 1 | $e^{\frac{\sqrt{y^2-1}}{\sqrt{x}}}$  | ABI | H | LL   | PLUS  |
| 4468 | 2896 | 1 | $e^{\frac{1}{\sqrt{x}\sqrt{y^2-1}}}$   | ABI | H | LL   | MINUS |
| 4469 | 2897 | 1 | $LOG\left(\frac{\sqrt{y^2-1}}{\sqrt{x}}\right)$                                    | ABI | H | L    | PLUS  |
| 4470 | 2898 | 1 | $LOG\left(\frac{1}{\sqrt{x}\sqrt{y^2-1}}\right)$                                   | ABI | H | L    | MINUS |
| 4471 | 2899 | 1 | $\arcsin\left(\frac{\sqrt{y^2-1}}{\sqrt{x}}\right)$                                | ABI | H | S    | PLUS  |
| 4472 | 2900 | 1 | $\arcsin\left(\frac{1}{\sqrt{x}\sqrt{y^2-1}}\right)$                               | ABI | H | S    | MINUS |
| 4473 | 2901 | 1 | $\arctan\left(\frac{\sqrt{y^2-1}}{\sqrt{x}}\right)$                                | ABI | H | T    | PLUS  |
| 4474 | 2902 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\sqrt{y^2-1}}\right)$                               | ABI | H | T    | MINUS |
| 4475 | 2903 | 1 | $1/2 e^{\frac{\sqrt{y^2-1}}{\sqrt{x}}} - 1/2 e^{-\frac{\sqrt{y^2-1}}{\sqrt{x}}}$   | ABI | H | SH   | PLUS  |
| 4476 | 2904 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\sqrt{y^2-1}}} - 1/2 e^{-\frac{1}{\sqrt{x}\sqrt{y^2-1}}}$ | ABI | H | SH   | MINUS |
| 4477 | 2905 | 1 | $1/2 e^{\frac{\sqrt{y^2-1}}{\sqrt{x}}} + 1/2 e^{-\frac{\sqrt{y^2-1}}{\sqrt{x}}}$   | ABI | H | CH   | PLUS  |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 4478 | 2906 | 1 | $1/2 e^{\frac{1}{\sqrt{x}\sqrt{y^2-1}}} + 1/2 e^{-\frac{1}{\sqrt{x}\sqrt{y^2-1}}}$                                       | ABI | H  | CH   | MINUS |
| 4479 | 2907 | 1 | $1 \left( e^{2 \frac{\sqrt{y^2-1}}{\sqrt{x}}} - 1 \right) \left( e^{2 \frac{\sqrt{y^2-1}}{\sqrt{x}}} + 1 \right)^{-1}$   | ABI | H  | TH   | PLUS  |
| 4480 | 2908 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{x}\sqrt{y^2-1}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{x}\sqrt{y^2-1}}} + 1 \right)^{-1}$ | ABI | H  | TH   | MINUS |
| 4481 | 2909 | 1 | $\frac{\ln(y+\sqrt{y^2+1})\pi}{\sqrt{x}}$  | ABI | SH | CDF  | PLUS  |
| 4482 | 2910 | 1 | $\frac{\pi}{\sqrt{x} \ln(y+\sqrt{y^2+1})}$   | ABI | SH | CDF  | MINUS |
| 4483 | 2911 | 1 | $\frac{\sqrt{x}}{\ln(y+\sqrt{y^2+1})\pi}$  | ABI | SH | CDIF | PLUS  |
| 4484 | 2912 | 1 | $\frac{\sqrt{x} \ln(y+\sqrt{y^2+1})}{\pi}$   | ABI | SH | CDIF | MINUS |
| 4485 | 2913 | 1 | $\sqrt{\frac{\ln(y+\sqrt{y^2+1})}{\sqrt{x}}}$  | ABI | SH | W    | PLUS  |
| 4486 | 2914 | 1 | $\sqrt{\frac{1}{\sqrt{x} \ln(y+\sqrt{y^2+1})}}$  | ABI | SH | W    | MINUS |
| 4487 | 2915 | 1 | $\left( y + \sqrt{y^2+1} \right)^{\frac{1}{\sqrt{x}}}$   | ABI | SH | LL   | PLUS  |
| 4488 | 2916 | 1 | $e^{\frac{1}{\sqrt{x} \ln(y+\sqrt{y^2+1})}}$   | ABI | SH | LL   | MINUS |
| 4489 | 2917 | 1 | $LOG \left( \frac{\ln(y+\sqrt{y^2+1})}{\sqrt{x}} \right)$  | ABI | SH | L    | PLUS  |
| 4490 | 2918 | 1 | $LOG \left( \frac{1}{\sqrt{x} \ln(y+\sqrt{y^2+1})} \right)$  | ABI | SH | L    | MINUS |
| 4491 | 2919 | 1 | $\arcsin \left( \frac{\ln(y+\sqrt{y^2+1})}{\sqrt{x}} \right)$  | ABI | SH | S    | PLUS  |
| 4492 | 2920 | 1 | $\arcsin \left( \frac{1}{\sqrt{x} \ln(y+\sqrt{y^2+1})} \right)$  | ABI | SH | S    | MINUS |
| 4493 | 2921 | 1 | $\arctan \left( \frac{\ln(y+\sqrt{y^2+1})}{\sqrt{x}} \right)$  | ABI | SH | T    | PLUS  |



|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 4494 | 2922 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}\right)$  | ABI | SH | T    | MINUS |
| 4495 | 2923 | 1 | $\sqrt{-\frac{(\ln(y+\sqrt{y^2+1}))^2-x}{x}}$  | ABI | SH | P    | PLUS  |
| 4496 | 2924 | 1 | $\sqrt{\frac{x(\ln(y+\sqrt{y^2+1}))^2-1}{x(\ln(y+\sqrt{y^2+1}))^2}}$   | ABI | SH | P    | MINUS |
| 4497 | 2925 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2+1}))^2+x}{x}}$   | ABI | SH | H    | PLUS  |
| 4498 | 2926 | 1 | $\sqrt{\frac{x(\ln(y+\sqrt{y^2+1}))^2+1}{x(\ln(y+\sqrt{y^2+1}))^2}}$   | ABI | SH | H    | MINUS |
| 4499 | 2927 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\frac{1}{\sqrt{x}}}-1/2\left(y+\sqrt{y^2+1}\right)^{-\frac{1}{\sqrt{x}}}$                               | ABI | SH | SH   | PLUS  |
| 4500 | 2928 | 1 | $1/2e^{\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}}-1/2e^{-\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}}$   | ABI | SH | SH   | MINUS |
| 4501 | 2929 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\frac{1}{\sqrt{x}}}+1/2\left(y+\sqrt{y^2+1}\right)^{-\frac{1}{\sqrt{x}}}$                               | ABI | SH | CH   | PLUS  |
| 4502 | 2930 | 1 | $1/2e^{\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}}+1/2e^{-\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}}$   | ABI | SH | CH   | MINUS |
| 4503 | 2931 | 1 | $1\left(\left(y+\sqrt{y^2+1}\right)^{2\frac{1}{\sqrt{x}}}-1\right)\left(\left(y+\sqrt{y^2+1}\right)^{2\frac{1}{\sqrt{x}}}-1\right)^{-1}$ | ABI | SH | TH   | PLUS  |
| 4504 | 2932 | 1 | $1\left(e^{2\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}}-1\right)\left(e^{2\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2+1})}}+1\right)^{-1}$               | ABI | SH | TH   | MINUS |
| 4505 | 2933 | 1 | $\frac{\ln(y+\sqrt{y^2-1})\pi}{\sqrt{x}}$  | ABI | CH | CDF  | PLUS  |
| 4506 | 2934 | 1 | $\frac{\pi}{\sqrt{x}\ln(y+\sqrt{y^2-1})}$  | ABI | CH | CDF  | MINUS |
| 4507 | 2935 | 1 | $\frac{\sqrt{x}}{\ln(y+\sqrt{y^2-1})\pi}$  | ABI | CH | CDIF | PLUS  |
| 4508 | 2936 | 1 | $\frac{\sqrt{x}\ln(y+\sqrt{y^2-1})}{\pi}$  | ABI | CH | CDIF | MINUS |

|      |      |   |  |     |    |    |       |
|------|------|---|--|-----|----|----|-------|
| 4509 | 2937 | 1 | $\sqrt{\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x}}}$  | ABI | CH | W  | PLUS  |
| 4510 | 2938 | 1 | $\sqrt{\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2-1})}}$   | ABI | CH | W  | MINUS |
| 4511 | 2939 | 1 | $\left(y + \sqrt{y^2 - 1}\right)^{\frac{1}{\sqrt{x}}}$   | ABI | CH | LL | PLUS  |
| 4512 | 2940 | 1 | $e^{\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2-1})}}$  | ABI | CH | LL | MINUS |
| 4513 | 2941 | 1 | $LOG\left(\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x}}\right)$   | ABI | CH | L  | PLUS  |
| 4514 | 2942 | 1 | $LOG\left(\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2-1})}\right)$  | ABI | CH | L  | MINUS |
| 4515 | 2943 | 1 | $\arcsin\left(\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x}}\right)$   | ABI | CH | S  | PLUS  |
| 4516 | 2944 | 1 | $\arcsin\left(\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2-1})}\right)$  | ABI | CH | S  | MINUS |
| 4517 | 2945 | 1 | $\arctan\left(\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x}}\right)$   | ABI | CH | T  | PLUS  |
| 4518 | 2946 | 1 | $\arctan\left(\frac{1}{\sqrt{x}\ln(y+\sqrt{y^2-1})}\right)$  | ABI | CH | T  | MINUS |
| 4519 | 2947 | 1 | $\sqrt{-\frac{(\ln(y+\sqrt{y^2-1}))^2 - x}{x}}$  | ABI | CH | P  | PLUS  |
| 4520 | 2948 | 1 | $\sqrt{\frac{x(\ln(y+\sqrt{y^2-1}))^2 - 1}{x(\ln(y+\sqrt{y^2-1}))^2}}$   | ABI | CH | P  | MINUS |
| 4521 | 2949 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2 + x}{x}}$   | ABI | CH | H  | PLUS  |
| 4522 | 2950 | 1 | $\sqrt{\frac{x(\ln(y+\sqrt{y^2-1}))^2 + 1}{x(\ln(y+\sqrt{y^2-1}))^2}}$   | ABI | CH | H  | MINUS |
| 4523 | 2951 | 1 | $1/2 \left(y + \sqrt{y^2 - 1}\right)^{\frac{1}{\sqrt{x}}} - 1/2 \left(y + \sqrt{y^2 - 1}\right)^{-\frac{1}{\sqrt{x}}}$ | ABI | CH | SH | PLUS  |

|      |      |   |  |     |    |      |       |
|------|------|---|--|-----|----|------|-------|
| 4524 | 2952 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}} - 1/2 e^{-\frac{1}{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}}$   | ABI | CH | SH   | MINUS |
| 4525 | 2953 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{\frac{1}{\sqrt{x}}} + 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-\frac{1}{\sqrt{x}}}$                                       | ABI | CH | CH   | PLUS  |
| 4526 | 2954 | 1 | $1/2 e^{\frac{1}{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}} + 1/2 e^{-\frac{1}{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}}$   | ABI | CH | CH   | MINUS |
| 4527 | 2955 | 1 | $1 \left( \left( y + \sqrt{y^2 - 1} \right)^{2 \frac{1}{\sqrt{x}}} - 1 \right) \left( \left( y + \sqrt{y^2 - 1} \right)^{2 \frac{1}{\sqrt{x}}} + 1 \right)^{-1}$ | ABI | CH | TH   | PLUS  |
| 4528 | 2956 | 1 | $1 \left( e^{2 \frac{1}{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}} - 1 \right) \left( e^{2 \frac{1}{\sqrt{x} \ln(y + \sqrt{y^2 - 1})}} + 1 \right)^{-1}$                 | ABI | CH | TH   | MINUS |
| 4529 | 2957 | 1 | $1/2 \frac{\pi}{\sqrt{x}} \ln \left( \frac{-y-1}{y-1} \right)$   | ABI | TH | CDF  | PLUS  |
| 4530 | 2958 | 1 | $2 \frac{\pi}{\sqrt{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | ABI | TH | CDF  | MINUS |
| 4531 | 2959 | 1 | $2 \frac{\sqrt{x}}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | ABI | TH | CDIF | PLUS  |
| 4532 | 2960 | 1 | $1/2 \frac{\sqrt{x}}{\pi} \ln \left( \frac{-y-1}{y-1} \right)$   | ABI | TH | CDIF | MINUS |
| 4533 | 2961 | 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sqrt{x}} \ln \left( \frac{-y-1}{y-1} \right)}$   | ABI | TH | W    | PLUS  |
| 4534 | 2962 | 1 | $\sqrt{2} \sqrt{\frac{1}{\sqrt{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | ABI | TH | W    | MINUS |
| 4535 | 2963 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \frac{1}{\sqrt{x}}}$   | ABI | TH | LL   | PLUS  |
| 4536 | 2964 | 1 | $e^{2 \frac{1}{\sqrt{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | ABI | TH | LL   | MINUS |
| 4537 | 2965 | 1 | $LOG \left( 1/2 \frac{1}{\sqrt{x}} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | ABI | TH | L    | PLUS  |
| 4538 | 2966 | 1 | $LOG \left( 2 \frac{1}{\sqrt{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | ABI | TH | L    | MINUS |
| 4539 | 2967 | 1 | $\arcsin \left( 1/2 \frac{1}{\sqrt{x}} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | ABI | TH | S    | PLUS  |

|      |      |   |   |     |      |      |       |
|------|------|---|---|-----|------|------|-------|
| 4540 | 2968 | 1 | $\arcsin\left(2\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | ABI | TH   | S    | MINUS |
| 4541 | 2969 | 1 | $\arctan\left(1/2\frac{1}{\sqrt{x}}\ln\left(\frac{-y-1}{y-1}\right)\right)$   | ABI | TH   | T    | PLUS  |
| 4542 | 2970 | 1 | $\arctan\left(2\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | ABI | TH   | T    | MINUS |
| 4543 | 2971 | 1 | $1/2\sqrt{\frac{1}{x}\left(-\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4x\right)}$   | ABI | TH   | P    | PLUS  |
| 4544 | 2972 | 1 | $\sqrt{\frac{1}{x}\left(x\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2-4\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$   | ABI | TH   | P    | MINUS |
| 4545 | 2973 | 1 | $1/2\sqrt{\frac{1}{x}\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4x\right)}$  | ABI | TH   | H    | PLUS  |
| 4546 | 2974 | 1 | $\sqrt{\frac{1}{x}\left(x\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$   | ABI | TH   | H    | MINUS |
| 4547 | 2975 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\frac{1}{\sqrt{x}}}-1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\frac{1}{\sqrt{x}}}$  | ABI | TH   | SH   | PLUS  |
| 4548 | 2976 | 1 | $1/2e^{2\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}-1/2e^{-2\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$  | ABI | TH   | SH   | MINUS |
| 4549 | 2977 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\frac{1}{\sqrt{x}}}+1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\frac{1}{\sqrt{x}}}$  | ABI | TH   | CH   | PLUS  |
| 4550 | 2978 | 1 | $1/2e^{2\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}+1/2e^{-2\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$  | ABI | TH   | CH   | MINUS |
| 4551 | 2979 | 1 | $1\left(\left(\frac{-y-1}{y-1}\right)^{1/2\frac{1}{\sqrt{x}}}-\left(\frac{-y-1}{y-1}\right)^{-1/2\frac{1}{\sqrt{x}}}\right)\left(\left(\frac{-y-1}{y-1}\right)^{1/2\frac{1}{\sqrt{x}}}\right)^{-1}$ | ABI | TH   | TH   | PLUS  |
| 4552 | 2980 | 1 | $1\left(e^{4\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}-1\right)\left(e^{4\frac{1}{\sqrt{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}+1\right)^{-1}$            | ABI | TH   | TH   | MINUS |
| 4553 | 2981 | 1 | $\sqrt[3]{xy}$  | K   | CD   | CD   | PLUS  |
| 4554 | 2981 | 2 |   | K   | CDI  | CD   | MINUS |
| 4555 | 2981 | 3 |   | K   | CDF  | CDF  | PLUS  |
| 4556 | 2981 | 4 |   | KI  | CD   | CDI  | MINUS |
| 4557 | 2981 | 5 |   | KI  | CDI  | CDI  | PLUS  |
| 4558 | 2981 | 6 |   | KI  | CDIF | CDIF | PLUS  |

|      |      |   |                             |    |      |      |       |
|------|------|---|-----------------------------|----|------|------|-------|
| 4559 | 2982 | 1 | $\frac{\sqrt[3]{x}}{y}$     | K  | CD   | CD   | MINUS |
| 4560 | 2982 | 2 |                             | K  | CDI  | CD   | PLUS  |
| 4561 | 2982 | 3 |                             | K  | CDIF | CDF  | PLUS  |
| 4562 | 2982 | 4 |                             | KI | CD   | CDI  | PLUS  |
| 4563 | 2982 | 5 |                             | KI | CDI  | CDI  | MINUS |
| 4564 | 2982 | 6 |                             | KI | CDF  | CDIF | PLUS  |
| 4565 | 2983 | 1 | $\frac{1}{\sqrt[3]{xy}}$    | K  | CD   | CDI  | PLUS  |
| 4566 | 2983 | 2 |                             | K  | CDI  | CDI  | MINUS |
| 4567 | 2983 | 3 |                             | K  | CDF  | CDIF | PLUS  |
| 4568 | 2983 | 4 |                             | KI | CD   | CD   | MINUS |
| 4569 | 2983 | 5 |                             | KI | CDI  | CD   | PLUS  |
| 4570 | 2983 | 6 |                             | KI | CDIF | CDF  | PLUS  |
| 4571 | 2984 | 1 | $\frac{y}{\sqrt[3]{x}}$     | K  | CD   | CDI  | MINUS |
| 4572 | 2984 | 2 |                             | K  | CDI  | CDI  | PLUS  |
| 4573 | 2984 | 3 |                             | K  | CDIF | CDIF | PLUS  |
| 4574 | 2984 | 4 |                             | KI | CD   | CD   | PLUS  |
| 4575 | 2984 | 5 |                             | KI | CDI  | CD   | MINUS |
| 4576 | 2984 | 6 |                             | KI | CDF  | CDF  | PLUS  |
| 4577 | 2985 | 1 | $\sqrt[3]{xy}\pi$           | K  | CD   | CDF  | PLUS  |
| 4578 | 2985 | 2 |                             | K  | CDI  | CDF  | MINUS |
| 4579 | 2985 | 3 |                             | K  | CDIF | CD   | MINUS |
| 4580 | 2985 | 4 |                             | KI | CDIF | CDI  | PLUS  |
| 4581 | 2986 | 1 | $\frac{\sqrt[3]{x\pi}}{y}$  | K  | CD   | CDF  | MINUS |
| 4582 | 2986 | 2 |                             | K  | CDI  | CDF  | PLUS  |
| 4583 | 2986 | 3 |                             | K  | CDF  | CD   | MINUS |
| 4584 | 2986 | 4 |                             | KI | CDF  | CDI  | PLUS  |
| 4585 | 2987 | 1 | $\frac{1}{\sqrt[3]{xy\pi}}$ | K  | CD   | CDIF | PLUS  |
| 4586 | 2987 | 2 |                             | K  | CDI  | CDIF | MINUS |
| 4587 | 2987 | 3 |                             | K  | CDIF | CDI  | MINUS |
| 4588 | 2987 | 4 |                             | KI | CDIF | CD   | PLUS  |
| 4589 | 2988 | 1 | $\frac{y}{\sqrt[3]{x\pi}}$  | K  | CD   | CDIF | MINUS |
| 4590 | 2988 | 2 |                             | K  | CDI  | CDIF | PLUS  |
| 4591 | 2988 | 3 |                             | K  | CDF  | CDI  | MINUS |
| 4592 | 2988 | 4 |                             | KI | CDF  | CD   | PLUS  |
| 4593 | 2989 | 1 | $x^{2/3}y^2$                | K  | CD   | AB   | PLUS  |
| 4594 | 2989 | 2 |                             | K  | CDI  | AB   | MINUS |

|      |      |   |                                |    |     |     |       |
|------|------|---|--------------------------------|----|-----|-----|-------|
| 4595 | 2989 | 3 |                                | KI | CD  | ABI | MINUS |
| 4596 | 2989 | 4 |                                | KI | CDI | ABI | PLUS  |
| 4597 | 2990 | 1 | $\frac{x^{2/3}}{y^2}$          | K  | CD  | AB  | MINUS |
| 4598 | 2990 | 2 |                                | K  | CDI | AB  | PLUS  |
| 4599 | 2990 | 3 |                                | KI | CD  | ABI | PLUS  |
| 4600 | 2990 | 4 |                                | KI | CDI | ABI | MINUS |
| 4601 | 2991 | 1 | $\sqrt[3]{xy}$                 | K  | CD  | W   | PLUS  |
| 4602 | 2991 | 2 |                                | K  | CDI | W   | MINUS |
| 4603 | 2992 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{y}}$ | K  | CD  | W   | MINUS |
| 4604 | 2992 | 2 |                                | K  | CDI | W   | PLUS  |
| 4605 | 2993 | 1 | $\frac{1}{x^{2/3}y^2}$         | K  | CD  | ABI | PLUS  |
| 4606 | 2993 | 2 |                                | K  | CDI | ABI | MINUS |
| 4607 | 2993 | 3 |                                | KI | CD  | AB  | MINUS |
| 4608 | 2993 | 4 |                                | KI | CDI | AB  | PLUS  |
| 4609 | 2994 | 1 | $\frac{y^2}{x^{2/3}}$          | K  | CD  | ABI | MINUS |
| 4610 | 2994 | 2 |                                | K  | CDI | ABI | PLUS  |
| 4611 | 2994 | 3 |                                | KI | CD  | AB  | PLUS  |
| 4612 | 2994 | 4 |                                | KI | CDI | AB  | MINUS |
| 4613 | 2995 | 1 | $xy^3$                         | K  | CD  | K   | PLUS  |
| 4614 | 2995 | 2 |                                | K  | CDI | K   | MINUS |
| 4615 | 2995 | 3 |                                | KI | CD  | KI  | MINUS |
| 4616 | 2995 | 4 |                                | KI | CDI | KI  | PLUS  |
| 4617 | 2996 | 1 | $\frac{x}{y^3}$                | K  | CD  | K   | MINUS |
| 4618 | 2996 | 2 |                                | K  | CDI | K   | PLUS  |
| 4619 | 2996 | 3 |                                | KI | CD  | KI  | PLUS  |
| 4620 | 2996 | 4 |                                | KI | CDI | KI  | MINUS |
| 4621 | 2997 | 1 | $\frac{1}{xy^3}$               | K  | CD  | KI  | PLUS  |
| 4622 | 2997 | 2 |                                | K  | CDI | KI  | MINUS |
| 4623 | 2997 | 3 |                                | KI | CD  | K   | MINUS |
| 4624 | 2997 | 4 |                                | KI | CDI | K   | PLUS  |
| 4625 | 2998 | 1 | $\frac{y^3}{x}$                | K  | CD  | KI  | MINUS |
| 4626 | 2998 | 2 |                                | K  | CDI | KI  | PLUS  |
| 4627 | 2998 | 3 |                                | KI | CD  | K   | PLUS  |
| 4628 | 2998 | 4 |                                | KI | CDI | K   | MINUS |

|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 4629 | 2999 | 1 | $e^{\sqrt[3]{xy}}$   | K | CD  | LL | PLUS  |
| 4630 | 2999 | 2 |  | K | CDI | LL | MINUS |
| 4631 | 3000 | 1 | $e^{\frac{\sqrt[3]{x}}{y}}$                                      | K | CD  | LL | MINUS |
| 4632 | 3000 | 2 |  | K | CDI | LL | PLUS  |
| 4633 | 3001 | 1 | $LOG(\sqrt[3]{xy})$  | K | CD  | L  | PLUS  |
| 4634 | 3001 | 2 |  | K | CDI | L  | MINUS |
| 4635 | 3002 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{y}\right)$                          | K | CD  | L  | MINUS |
| 4636 | 3002 | 2 |  | K | CDI | L  | PLUS  |
| 4637 | 3003 | 1 | $\arcsin(\sqrt[3]{xy})$  | K | CD  | S  | PLUS  |
| 4638 | 3003 | 2 |  | K | CDI | S  | MINUS |
| 4639 | 3004 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{y}\right)$                      | K | CD  | S  | MINUS |
| 4640 | 3004 | 2 |  | K | CDI | S  | PLUS  |
| 4641 | 3005 | 1 | $\arctan(\sqrt[3]{xy})$  | K | CD  | T  | PLUS  |
| 4642 | 3005 | 2 |  | K | CDI | T  | MINUS |
| 4643 | 3006 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{y}\right)$                      | K | CD  | T  | MINUS |
| 4644 | 3006 | 2 |  | K | CDI | T  | PLUS  |
| 4645 | 3007 | 1 | $\sqrt{-x^{2/3}y^2 + 1}$   | K | CD  | P  | PLUS  |
| 4646 | 3007 | 2 |  | K | CDI | P  | MINUS |
| 4647 | 3008 | 1 | $\sqrt{-\frac{x^{2/3}-y^2}{y^2}}$                                | K | CD  | P  | MINUS |
| 4648 | 3008 | 2 |  | K | CDI | P  | PLUS  |
| 4649 | 3009 | 1 | $\sqrt{x^{2/3}y^2 + 1}$  | K | CD  | H  | PLUS  |
| 4650 | 3009 | 2 |  | K | CDI | H  | MINUS |
| 4651 | 3010 | 1 | $\sqrt{\frac{x^{2/3}+y^2}{y^2}}$                                 | K | CD  | H  | MINUS |
| 4652 | 3010 | 2 |  | K | CDI | H  | PLUS  |
| 4653 | 3011 | 1 | $1/2 e^{\sqrt[3]{xy}} - 1/2 e^{-\sqrt[3]{xy}}$                   | K | CD  | SH | PLUS  |
| 4654 | 3011 | 2 |  | K | CDI | SH | MINUS |
| 4655 | 3012 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{y}} - 1/2 e^{-\frac{\sqrt[3]{x}}{y}}$ | K | CD  | SH | MINUS |
| 4656 | 3012 | 2 |  | K | CDI | SH | PLUS  |

|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 4657 | 3013 | 1 | $1/2 e^{\sqrt[3]{x}y} + 1/2 e^{-\sqrt[3]{x}y}$   | K  | CD  | CH   | PLUS  |
| 4658 | 3013 | 2 |  | K  | CDI | CH   | MINUS |
| 4659 | 3014 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{y}} + 1/2 e^{-\frac{\sqrt[3]{x}}{y}}$                                   | K  | CD  | CH   | MINUS |
| 4660 | 3014 | 2 |  | K  | CDI | CH   | PLUS  |
| 4661 | 3015 | 1 | $\frac{e^2 \sqrt[3]{x}y - 1}{e^2 \sqrt[3]{x}y + 1}$  | K  | CD  | TH   | PLUS  |
| 4662 | 3015 | 2 |  | K  | CDI | TH   | MINUS |
| 4663 | 3016 | 1 | $1 \left( e^2 \frac{\sqrt[3]{x}}{y} - 1 \right) \left( e^2 \frac{\sqrt[3]{x}}{y} + 1 \right)^{-1}$ | K  | CD  | TH   | MINUS |
| 4664 | 3016 | 2 |  | K  | CDI | TH   | PLUS  |
| 4665 | 3017 | 1 | $\frac{\sqrt[3]{x}y}{\pi}$   | K  | CDF | CD   | PLUS  |
| 4666 | 3017 | 2 |  | KI | CD  | CDIF | MINUS |
| 4667 | 3017 | 3 |  | KI | CDI | CDIF | PLUS  |
| 4668 | 3017 | 4 |  | KI | CDF | CDI  | MINUS |
| 4669 | 3018 | 1 | $\frac{\pi}{\sqrt[3]{x}y}$   | K  | CDF | CDI  | PLUS  |
| 4670 | 3018 | 2 |  | KI | CD  | CDF  | MINUS |
| 4671 | 3018 | 3 |  | KI | CDI | CDF  | PLUS  |
| 4672 | 3018 | 4 |  | KI | CDF | CD   | MINUS |
| 4673 | 3019 | 1 | $\frac{\sqrt[3]{x}\pi^2}{y}$   | K  | CDF | CDF  | MINUS |
| 4674 | 3020 | 1 | $\frac{y}{\sqrt[3]{x}\pi^2}$   | K  | CDF | CDIF | MINUS |
| 4675 | 3021 | 1 | $\frac{x^{2/3}y^2}{\pi^2}$   | K  | CDF | AB   | PLUS  |
| 4676 | 3021 | 2 |  | KI | CDF | ABI  | MINUS |
| 4677 | 3022 | 1 | $\frac{x^{2/3}\pi^2}{y^2}$   | K  | CDF | AB   | MINUS |
| 4678 | 3022 | 2 |  | KI | CDF | ABI  | PLUS  |
| 4679 | 3023 | 1 | $\sqrt{\frac{\sqrt[3]{x}y}{\pi}}$  | K  | CDF | W    | PLUS  |
| 4680 | 3024 | 1 | $\sqrt{\frac{\sqrt[3]{x}\pi}{y}}$  | K  | CDF | W    | MINUS |
| 4681 | 3025 | 1 | $\frac{\pi^2}{x^{2/3}y^2}$   | K  | CDF | ABI  | PLUS  |
| 4682 | 3025 | 2 |  | KI | CDF | AB   | MINUS |
| 4683 | 3026 | 1 | $\frac{y^2}{x^{2/3}\pi^2}$   | K  | CDF | ABI  | MINUS |
| 4684 | 3026 | 2 |  | KI | CDF | AB   | PLUS  |



|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 4685 | 3027 | 1 | $\frac{xy^3}{\pi^3}$   | K  | CDF | K  | PLUS  |
| 4686 | 3027 | 2 |  | KI | CDF | KI | MINUS |
| 4687 | 3028 | 1 | $\frac{x\pi^3}{y^3}$   | K  | CDF | K  | MINUS |
| 4688 | 3028 | 2 |  | KI | CDF | KI | PLUS  |
| 4689 | 3029 | 1 | $\frac{\pi^3}{xy^3}$   | K  | CDF | KI | PLUS  |
| 4690 | 3029 | 2 |  | KI | CDF | K  | MINUS |
| 4691 | 3030 | 1 | $\frac{y^3}{x\pi^3}$   | K  | CDF | KI | MINUS |
| 4692 | 3030 | 2 |  | KI | CDF | K  | PLUS  |
| 4693 | 3031 | 1 | $e^{\frac{\sqrt[3]{xy}}{\pi}}$                                       | K  | CDF | LL | PLUS  |
| 4694 | 3032 | 1 | $e^{\frac{\sqrt[3]{x\pi}}{y}}$                                       | K  | CDF | LL | MINUS |
| 4695 | 3033 | 1 | $LOG\left(\frac{\sqrt[3]{xy}}{\pi}\right)$                           | K  | CDF | L  | PLUS  |
| 4696 | 3034 | 1 | $LOG\left(\frac{\sqrt[3]{x\pi}}{y}\right)$                           | K  | CDF | L  | MINUS |
| 4697 | 3035 | 1 | $\arcsin\left(\frac{\sqrt[3]{xy}}{\pi}\right)$                       | K  | CDF | S  | PLUS  |
| 4698 | 3036 | 1 | $\arcsin\left(\frac{\sqrt[3]{x\pi}}{y}\right)$                       | K  | CDF | S  | MINUS |
| 4699 | 3037 | 1 | $\arctan\left(\frac{\sqrt[3]{xy}}{\pi}\right)$                       | K  | CDF | T  | PLUS  |
| 4700 | 3038 | 1 | $\arctan\left(\frac{\sqrt[3]{x\pi}}{y}\right)$                       | K  | CDF | T  | MINUS |
| 4701 | 3039 | 1 | $\sqrt{-\frac{x^{2/3}y^2-\pi^2}{\pi^2}}$                             | K  | CDF | P  | PLUS  |
| 4702 | 3040 | 1 | $\sqrt{-\frac{x^{2/3}\pi^2-y^2}{y^2}}$                               | K  | CDF | P  | MINUS |
| 4703 | 3041 | 1 | $\sqrt{\frac{x^{2/3}y^2+\pi^2}{\pi^2}}$                              | K  | CDF | H  | PLUS  |
| 4704 | 3042 | 1 | $\sqrt{\frac{x^{2/3}\pi^2+y^2}{y^2}}$                                | K  | CDF | H  | MINUS |
| 4705 | 3043 | 1 | $1/2e^{\frac{\sqrt[3]{xy}}{\pi}} - 1/2e^{-\frac{\sqrt[3]{xy}}{\pi}}$ | K  | CDF | SH | PLUS  |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 4706 | 3044 | 1 | $1/2 e^{\frac{\sqrt[3]{x}\pi}{y}} - 1/2 e^{-\frac{\sqrt[3]{x}\pi}{y}}$                                   | K  | CDF  | SH   | MINUS |
| 4707 | 3045 | 1 | $1/2 e^{\frac{\sqrt[3]{x}y}{\pi}} + 1/2 e^{-\frac{\sqrt[3]{x}y}{\pi}}$                                   | K  | CDF  | CH   | PLUS  |
| 4708 | 3046 | 1 | $1/2 e^{\frac{\sqrt[3]{x}\pi}{y}} + 1/2 e^{-\frac{\sqrt[3]{x}\pi}{y}}$                                   | K  | CDF  | CH   | MINUS |
| 4709 | 3047 | 1 | $1 \left( e^2 \frac{\sqrt[3]{x}y}{\pi} - 1 \right) \left( e^2 \frac{\sqrt[3]{x}y}{\pi} + 1 \right)^{-1}$ | K  | CDF  | TH   | PLUS  |
| 4710 | 3048 | 1 | $1 \left( e^2 \frac{\sqrt[3]{x}\pi}{y} - 1 \right) \left( e^2 \frac{\sqrt[3]{x}\pi}{y} + 1 \right)^{-1}$ | K  | CDF  | TH   | MINUS |
| 4711 | 3049 | 1 | $\frac{\sqrt[3]{x}}{y\pi}$   | K  | CDIF | CD   | PLUS  |
| 4712 | 3049 | 2 |  | KI | CD   | CDIF | PLUS  |
| 4713 | 3049 | 3 |  | KI | CDI  | CDIF | MINUS |
| 4714 | 3049 | 4 |  | KI | CDIF | CDI  | MINUS |
| 4715 | 3050 | 1 | $\frac{y\pi}{\sqrt[3]{x}}$   | K  | CDIF | CDI  | PLUS  |
| 4716 | 3050 | 2 |  | KI | CD   | CDF  | PLUS  |
| 4717 | 3050 | 3 |  | KI | CDI  | CDF  | MINUS |
| 4718 | 3050 | 4 |  | KI | CDIF | CD   | MINUS |
| 4719 | 3051 | 1 | $\sqrt[3]{xy}\pi^2$  | K  | CDIF | CDF  | MINUS |
| 4720 | 3052 | 1 | $\frac{1}{\sqrt[3]{xy}\pi^2}$  | K  | CDIF | CDIF | MINUS |
| 4721 | 3053 | 1 | $\frac{x^{2/3}}{y^2\pi^2}$   | K  | CDIF | AB   | PLUS  |
| 4722 | 3053 | 2 |  | KI | CDIF | ABI  | MINUS |
| 4723 | 3054 | 1 | $x^{2/3}y^2\pi^2$  | K  | CDIF | AB   | MINUS |
| 4724 | 3054 | 2 |  | KI | CDIF | ABI  | PLUS  |
| 4725 | 3055 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{y\pi}}$  | K  | CDIF | W    | PLUS  |
| 4726 | 3056 | 1 | $\sqrt{\sqrt[3]{xy}\pi}$   | K  | CDIF | W    | MINUS |
| 4727 | 3057 | 1 | $\frac{y^2\pi^2}{x^{2/3}}$   | K  | CDIF | ABI  | PLUS  |
| 4728 | 3057 | 2 |  | KI | CDIF | AB   | MINUS |
| 4729 | 3058 | 1 | $\frac{1}{x^{2/3}y^2\pi^2}$  | K  | CDIF | ABI  | MINUS |
| 4730 | 3058 | 2 |  | KI | CDIF | AB   | PLUS  |

|      |      |   |  |    |      |    |       |
|------|------|---|--|----|------|----|-------|
| 4731 | 3059 | 1 | $\frac{x}{y^3\pi^3}$   | K  | CDIF | K  | PLUS  |
| 4732 | 3059 | 2 |  | KI | CDIF | KI | MINUS |
| 4733 | 3060 | 1 | $xy^3\pi^3$  | K  | CDIF | K  | MINUS |
| 4734 | 3060 | 2 |  | KI | CDIF | KI | PLUS  |
| 4735 | 3061 | 1 | $\frac{y^3\pi^3}{x}$   | K  | CDIF | KI | PLUS  |
| 4736 | 3061 | 2 |  | KI | CDIF | K  | MINUS |
| 4737 | 3062 | 1 | $\frac{1}{xy^3\pi^3}$  | K  | CDIF | KI | MINUS |
| 4738 | 3062 | 2 |  | KI | CDIF | K  | PLUS  |
| 4739 | 3063 | 1 | $e^{\frac{\sqrt[3]{x}}{y\pi}}$                                       | K  | CDIF | LL | PLUS  |
| 4740 | 3064 | 1 | $e^{\sqrt[3]{xy\pi}}$  | K  | CDIF | LL | MINUS |
| 4741 | 3065 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{y\pi}\right)$                           | K  | CDIF | L  | PLUS  |
| 4742 | 3066 | 1 | $LOG(\sqrt[3]{xy\pi})$   | K  | CDIF | L  | MINUS |
| 4743 | 3067 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{y\pi}\right)$                       | K  | CDIF | S  | PLUS  |
| 4744 | 3068 | 1 | $\arcsin(\sqrt[3]{xy\pi})$   | K  | CDIF | S  | MINUS |
| 4745 | 3069 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{y\pi}\right)$                       | K  | CDIF | T  | PLUS  |
| 4746 | 3070 | 1 | $\arctan(\sqrt[3]{xy\pi})$   | K  | CDIF | T  | MINUS |
| 4747 | 3071 | 1 | $\sqrt{-\frac{y^2\pi^2+x^{2/3}}{y^2\pi^2}}$                          | K  | CDIF | P  | PLUS  |
| 4748 | 3072 | 1 | $\sqrt{-x^{2/3}y^2\pi^2+1}$  | K  | CDIF | P  | MINUS |
| 4749 | 3073 | 1 | $\sqrt{\frac{y^2\pi^2+x^{2/3}}{y^2\pi^2}}$                           | K  | CDIF | H  | PLUS  |
| 4750 | 3074 | 1 | $\sqrt{x^{2/3}y^2\pi^2+1}$   | K  | CDIF | H  | MINUS |
| 4751 | 3075 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{y\pi}} - 1/2e^{-\frac{\sqrt[3]{x}}{y\pi}}$ | K  | CDIF | SH | PLUS  |
| 4752 | 3076 | 1 | $1/2e^{\sqrt[3]{xy\pi}} - 1/2e^{-\sqrt[3]{xy\pi}}$                   | K  | CDIF | SH | MINUS |
| 4753 | 3077 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{y\pi}} + 1/2e^{-\frac{\sqrt[3]{x}}{y\pi}}$ | K  | CDIF | CH | PLUS  |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 4754 | 3078 | 1 | $1/2 e^{\sqrt[3]{x} y \pi} + 1/2 e^{-\sqrt[3]{x} y \pi}$   | K  | CDIF | CH   | MINUS |
| 4755 | 3079 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{x}}{y \pi}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{x}}{y \pi}} + 1 \right)^{-1}$ | K  | CDIF | TH   | PLUS  |
| 4756 | 3080 | 1 | $\frac{e^{2 \frac{\sqrt[3]{x} y \pi} - 1}}{e^{2 \frac{\sqrt[3]{x} y \pi} + 1}}$                                | K  | CDIF | TH   | MINUS |
| 4757 | 3081 | 1 | $\sqrt[3]{x} \sqrt{y}$   | K  | AB   | CD   | PLUS  |
| 4758 | 3081 | 2 |  | K  | ABI  | CD   | MINUS |
| 4759 | 3081 | 3 |  | KI | AB   | CDI  | MINUS |
| 4760 | 3081 | 4 |  | KI | ABI  | CDI  | PLUS  |
| 4761 | 3082 | 1 | $\frac{\sqrt[3]{x}}{\sqrt{y}}$   | K  | AB   | CD   | MINUS |
| 4762 | 3082 | 2 |  | K  | ABI  | CD   | PLUS  |
| 4763 | 3082 | 3 |  | KI | AB   | CDI  | PLUS  |
| 4764 | 3082 | 4 |  | KI | ABI  | CDI  | MINUS |
| 4765 | 3083 | 1 | $\frac{1}{\sqrt[3]{x} \sqrt{y}}$   | K  | AB   | CDI  | PLUS  |
| 4766 | 3083 | 2 |  | K  | ABI  | CDI  | MINUS |
| 4767 | 3083 | 3 |  | KI | AB   | CD   | MINUS |
| 4768 | 3083 | 4 |  | KI | ABI  | CD   | PLUS  |
| 4769 | 3084 | 1 | $\frac{\sqrt{y}}{\sqrt[3]{x}}$   | K  | AB   | CDI  | MINUS |
| 4770 | 3084 | 2 |  | K  | ABI  | CDI  | PLUS  |
| 4771 | 3084 | 3 |  | KI | AB   | CD   | PLUS  |
| 4772 | 3084 | 4 |  | KI | ABI  | CD   | MINUS |
| 4773 | 3085 | 1 | $\sqrt[3]{x} \sqrt{y} \pi$   | K  | AB   | CDF  | PLUS  |
| 4774 | 3085 | 2 |  | K  | ABI  | CDF  | MINUS |
| 4775 | 3086 | 1 | $\frac{\sqrt[3]{x} \pi}{\sqrt{y}}$   | K  | AB   | CDF  | MINUS |
| 4776 | 3086 | 2 |  | K  | ABI  | CDF  | PLUS  |
| 4777 | 3087 | 1 | $\frac{1}{\sqrt[3]{x} \sqrt{y} \pi}$   | K  | AB   | CDIF | PLUS  |
| 4778 | 3087 | 2 |  | K  | ABI  | CDIF | MINUS |
| 4779 | 3088 | 1 | $\frac{\sqrt{y}}{\sqrt[3]{x} \pi}$   | K  | AB   | CDIF | MINUS |
| 4780 | 3088 | 2 |  | K  | ABI  | CDIF | PLUS  |
| 4781 | 3089 | 1 | $x^{2/3} y$  | K  | AB   | AB   | PLUS  |
| 4782 | 3089 | 2 |  | K  | ABI  | AB   | MINUS |
| 4783 | 3089 | 3 |  | KI | AB   | ABI  | MINUS |

|      |      |   |                                       |    |     |     |       |
|------|------|---|---------------------------------------|----|-----|-----|-------|
| 4784 | 3089 | 4 |                                       | KI | ABI | ABI | PLUS  |
| 4785 | 3090 | 1 | $\frac{x^{2/3}}{y}$                   | K  | AB  | AB  | MINUS |
| 4786 | 3090 | 2 |                                       | K  | ABI | AB  | PLUS  |
| 4787 | 3090 | 3 |                                       | KI | AB  | ABI | PLUS  |
| 4788 | 3090 | 4 |                                       | KI | ABI | ABI | MINUS |
| 4789 | 3091 | 1 | $\sqrt{\sqrt[3]{x}\sqrt{y}}$          | K  | AB  | W   | PLUS  |
| 4790 | 3091 | 2 |                                       | K  | ABI | W   | MINUS |
| 4791 | 3092 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\sqrt{y}}}$ | K  | AB  | W   | MINUS |
| 4792 | 3092 | 2 |                                       | K  | ABI | W   | PLUS  |
| 4793 | 3093 | 1 | $\frac{1}{x^{2/3}y}$                  | K  | AB  | ABI | PLUS  |
| 4794 | 3093 | 2 |                                       | K  | ABI | ABI | MINUS |
| 4795 | 3093 | 3 |                                       | KI | AB  | AB  | MINUS |
| 4796 | 3093 | 4 |                                       | KI | ABI | AB  | PLUS  |
| 4797 | 3094 | 1 | $\frac{y}{x^{2/3}}$                   | K  | AB  | ABI | MINUS |
| 4798 | 3094 | 2 |                                       | K  | ABI | ABI | PLUS  |
| 4799 | 3094 | 3 |                                       | KI | AB  | AB  | PLUS  |
| 4800 | 3094 | 4 |                                       | KI | ABI | AB  | MINUS |
| 4801 | 3095 | 1 | $xy^{3/2}$                            | K  | AB  | K   | PLUS  |
| 4802 | 3095 | 2 |                                       | K  | ABI | K   | MINUS |
| 4803 | 3095 | 3 |                                       | KI | AB  | KI  | MINUS |
| 4804 | 3095 | 4 |                                       | KI | ABI | KI  | PLUS  |
| 4805 | 3096 | 1 | $\frac{x}{y^{3/2}}$                   | K  | AB  | K   | MINUS |
| 4806 | 3096 | 2 |                                       | K  | ABI | K   | PLUS  |
| 4807 | 3096 | 3 |                                       | KI | AB  | KI  | PLUS  |
| 4808 | 3096 | 4 |                                       | KI | ABI | KI  | MINUS |
| 4809 | 3097 | 1 | $\frac{1}{xy^{3/2}}$                  | K  | AB  | KI  | PLUS  |
| 4810 | 3097 | 2 |                                       | K  | ABI | KI  | MINUS |
| 4811 | 3097 | 3 |                                       | KI | AB  | K   | MINUS |
| 4812 | 3097 | 4 |                                       | KI | ABI | K   | PLUS  |
| 4813 | 3098 | 1 | $\frac{y^{3/2}}{x}$                   | K  | AB  | KI  | MINUS |
| 4814 | 3098 | 2 |                                       | K  | ABI | KI  | PLUS  |
| 4815 | 3098 | 3 |                                       | KI | AB  | K   | PLUS  |
| 4816 | 3098 | 4 |                                       | KI | ABI | K   | MINUS |

|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 4817 | 3099 | 1 | $e^{\sqrt[3]{x}\sqrt{y}}$  | K | AB  | LL | PLUS  |
| 4818 | 3099 | 2 |  | K | ABI | LL | MINUS |
| 4819 | 3100 | 1 | $e^{\frac{\sqrt[3]{x}}{\sqrt{y}}}$   | K | AB  | LL | MINUS |
| 4820 | 3100 | 2 |  | K | ABI | LL | PLUS  |
| 4821 | 3101 | 1 | $LOG(\sqrt[3]{x}\sqrt{y})$   | K | AB  | L  | PLUS  |
| 4822 | 3101 | 2 |  | K | ABI | L  | MINUS |
| 4823 | 3102 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\sqrt{y}}\right)$                               | K | AB  | L  | MINUS |
| 4824 | 3102 | 2 |  | K | ABI | L  | PLUS  |
| 4825 | 3103 | 1 | $\arcsin(\sqrt[3]{x}\sqrt{y})$   | K | AB  | S  | PLUS  |
| 4826 | 3103 | 2 |  | K | ABI | S  | MINUS |
| 4827 | 3104 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\sqrt{y}}\right)$                           | K | AB  | S  | MINUS |
| 4828 | 3104 | 2 |  | K | ABI | S  | PLUS  |
| 4829 | 3105 | 1 | $\arctan(\sqrt[3]{x}\sqrt{y})$   | K | AB  | T  | PLUS  |
| 4830 | 3105 | 2 |  | K | ABI | T  | MINUS |
| 4831 | 3106 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\sqrt{y}}\right)$                           | K | AB  | T  | MINUS |
| 4832 | 3106 | 2 |  | K | ABI | T  | PLUS  |
| 4833 | 3107 | 1 | $\sqrt{-x^{2/3}y+1}$   | K | AB  | P  | PLUS  |
| 4834 | 3107 | 2 |  | K | ABI | P  | MINUS |
| 4835 | 3108 | 1 | $\sqrt{-\frac{x^{2/3}-y}{y}}$  | K | AB  | P  | MINUS |
| 4836 | 3108 | 2 |  | K | ABI | P  | PLUS  |
| 4837 | 3109 | 1 | $\sqrt{x^{2/3}y+1}$  | K | AB  | H  | PLUS  |
| 4838 | 3109 | 2 |  | K | ABI | H  | MINUS |
| 4839 | 3110 | 1 | $\sqrt{\frac{x^{2/3}+y}{y}}$   | K | AB  | H  | MINUS |
| 4840 | 3110 | 2 |  | K | ABI | H  | PLUS  |
| 4841 | 3111 | 1 | $1/2e^{\sqrt[3]{x}\sqrt{y}} - 1/2e^{-\sqrt[3]{x}\sqrt{y}}$                   | K | AB  | SH | PLUS  |
| 4842 | 3111 | 2 |  | K | ABI | SH | MINUS |
| 4843 | 3112 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{\sqrt{y}}} - 1/2e^{-\frac{\sqrt[3]{x}}{\sqrt{y}}}$ | K | AB  | SH | MINUS |
| 4844 | 3112 | 2 |  | K | ABI | SH | PLUS  |

|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 4845 | 3113 | 1 | $1/2 e^{\sqrt[3]{x}\sqrt{y}} + 1/2 e^{-\sqrt[3]{x}\sqrt{y}}$   | K  | AB  | CH   | PLUS  |
| 4846 | 3113 | 2 |  | K  | ABI | CH   | MINUS |
| 4847 | 3114 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sqrt{y}}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\sqrt{y}}}$                                     | K  | AB  | CH   | MINUS |
| 4848 | 3114 | 2 |  | K  | ABI | CH   | PLUS  |
| 4849 | 3115 | 1 | $\frac{e^{2\sqrt[3]{x}\sqrt{y}}-1}{e^{2\sqrt[3]{x}\sqrt{y}}+1}$  | K  | AB  | TH   | PLUS  |
| 4850 | 3115 | 2 |  | K  | ABI | TH   | MINUS |
| 4851 | 3116 | 1 | $1 \left( e^{2\frac{\sqrt[3]{x}}{\sqrt{y}}} - 1 \right) \left( e^{2\frac{\sqrt[3]{x}}{\sqrt{y}}} + 1 \right)^{-1}$ | K  | AB  | TH   | MINUS |
| 4852 | 3116 | 2 |  | K  | ABI | TH   | PLUS  |
| 4853 | 3117 | 1 | $\sqrt[3]{x}y^2$   | K  | W   | CD   | PLUS  |
| 4854 | 3117 | 2 |  | KI | W   | CDI  | MINUS |
| 4855 | 3118 | 1 | $\frac{\sqrt[3]{x}}{y^2}$  | K  | W   | CD   | MINUS |
| 4856 | 3118 | 2 |  | KI | W   | CDI  | PLUS  |
| 4857 | 3119 | 1 | $\frac{1}{\sqrt[3]{xy^2}}$   | K  | W   | CDI  | PLUS  |
| 4858 | 3119 | 2 |  | KI | W   | CD   | MINUS |
| 4859 | 3120 | 1 | $\frac{y^2}{\sqrt[3]{x}}$  | K  | W   | CDI  | MINUS |
| 4860 | 3120 | 2 |  | KI | W   | CD   | PLUS  |
| 4861 | 3121 | 1 | $\sqrt[3]{x}y^2\pi$  | K  | W   | CDF  | PLUS  |
| 4862 | 3122 | 1 | $\frac{\sqrt[3]{x}\pi}{y^2}$   | K  | W   | CDF  | MINUS |
| 4863 | 3123 | 1 | $\frac{1}{\sqrt[3]{xy^2}\pi}$  | K  | W   | CDIF | PLUS  |
| 4864 | 3124 | 1 | $\frac{y^2}{\sqrt[3]{x}\pi}$   | K  | W   | CDIF | MINUS |
| 4865 | 3125 | 1 | $x^{2/3}y^4$   | K  | W   | AB   | PLUS  |
| 4866 | 3125 | 2 |  | KI | W   | ABI  | MINUS |
| 4867 | 3126 | 1 | $\frac{x^{2/3}}{y^4}$  | K  | W   | AB   | MINUS |
| 4868 | 3126 | 2 |  | KI | W   | ABI  | PLUS  |
| 4869 | 3127 | 1 | $\sqrt{\sqrt[3]{x}y^2}$  | K  | W   | W    | PLUS  |
| 4870 | 3128 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{y^2}}$   | K  | W   | W    | MINUS |

|      |      |   |   |    |   |     |       |
|------|------|---|---|----|---|-----|-------|
| 4871 | 3129 | 1 | $\frac{1}{x^{2/3}y^4}$                        | K  | W | ABI | PLUS  |
| 4872 | 3129 | 2 |   | KI | W | AB  | MINUS |
| 4873 | 3130 | 1 | $\frac{y^4}{x^{2/3}}$                         | K  | W | ABI | MINUS |
| 4874 | 3130 | 2 |   | KI | W | AB  | PLUS  |
| 4875 | 3131 | 1 | $xy^6$  | K  | W | K   | PLUS  |
| 4876 | 3131 | 2 |   | KI | W | KI  | MINUS |
| 4877 | 3132 | 1 | $\frac{x}{y^6}$                               | K  | W | K   | MINUS |
| 4878 | 3132 | 2 |   | KI | W | KI  | PLUS  |
| 4879 | 3133 | 1 | $\frac{1}{xy^6}$                              | K  | W | KI  | PLUS  |
| 4880 | 3133 | 2 |   | KI | W | K   | MINUS |
| 4881 | 3134 | 1 | $\frac{y^6}{x}$                               | K  | W | KI  | MINUS |
| 4882 | 3134 | 2 |   | KI | W | K   | PLUS  |
| 4883 | 3135 | 1 | $e^{\sqrt[3]{xy^2}}$                          | K  | W | LL  | PLUS  |
| 4884 | 3136 | 1 | $e^{\frac{\sqrt[3]{x}}{y^2}}$                 | K  | W | LL  | MINUS |
| 4885 | 3137 | 1 | $LOG(\sqrt[3]{xy^2})$                         | K  | W | L   | PLUS  |
| 4886 | 3138 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{y^2}\right)$     | K  | W | L   | MINUS |
| 4887 | 3139 | 1 | $\arcsin(\sqrt[3]{xy^2})$                     | K  | W | S   | PLUS  |
| 4888 | 3140 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{y^2}\right)$ | K  | W | S   | MINUS |
| 4889 | 3141 | 1 | $\arctan(\sqrt[3]{xy^2})$                     | K  | W | T   | PLUS  |
| 4890 | 3142 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{y^2}\right)$ | K  | W | T   | MINUS |
| 4891 | 3143 | 1 | $\sqrt{-x^{2/3}y^4 + 1}$                      | K  | W | P   | PLUS  |
| 4892 | 3144 | 1 | $\sqrt{-\frac{y^4 + x^{2/3}}{y^4}}$           | K  | W | P   | MINUS |
| 4893 | 3145 | 1 | $\sqrt{x^{2/3}y^4 + 1}$                       | K  | W | H   | PLUS  |



|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 4894 | 3146 | 1 | $\sqrt{\frac{y^4+x^2/3}{y^4}}$   | K  | W  | H    | MINUS |
| 4895 | 3147 | 1 | $1/2 e^{\sqrt[3]{x}y^2} - 1/2 e^{-\sqrt[3]{x}y^2}$   | K  | W  | SH   | PLUS  |
| 4896 | 3148 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{y^2}} - 1/2 e^{-\frac{\sqrt[3]{x}}{y^2}}$                                     | K  | W  | SH   | MINUS |
| 4897 | 3149 | 1 | $1/2 e^{\sqrt[3]{x}y^2} + 1/2 e^{-\sqrt[3]{x}y^2}$   | K  | W  | CH   | PLUS  |
| 4898 | 3150 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{y^2}} + 1/2 e^{-\frac{\sqrt[3]{x}}{y^2}}$                                     | K  | W  | CH   | MINUS |
| 4899 | 3151 | 1 | $\frac{e^{2\sqrt[3]{x}y^2}-1}{e^{2\sqrt[3]{x}y^2}+1}$  | K  | W  | TH   | PLUS  |
| 4900 | 3152 | 1 | $1 \left( e^{2\frac{\sqrt[3]{x}}{y^2}} - 1 \right) \left( e^{2\frac{\sqrt[3]{x}}{y^2}} + 1 \right)^{-1}$ | K  | W  | TH   | MINUS |
| 4901 | 3153 | 1 | $\sqrt[3]{x}\sqrt[3]{y}$   | K  | K  | CD   | PLUS  |
| 4902 | 3153 | 2 |  | K  | KI | CD   | MINUS |
| 4903 | 3153 | 3 |  | KI | K  | CDI  | MINUS |
| 4904 | 3153 | 4 |  | KI | KI | CDI  | PLUS  |
| 4905 | 3154 | 1 | $\frac{\sqrt[3]{x}}{\sqrt[3]{y}}$  | K  | K  | CD   | MINUS |
| 4906 | 3154 | 2 |  | K  | KI | CD   | PLUS  |
| 4907 | 3154 | 3 |  | KI | K  | CDI  | PLUS  |
| 4908 | 3154 | 4 |  | KI | KI | CDI  | MINUS |
| 4909 | 3155 | 1 | $\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}$   | K  | K  | CDI  | PLUS  |
| 4910 | 3155 | 2 |  | K  | KI | CDI  | MINUS |
| 4911 | 3155 | 3 |  | KI | K  | CD   | MINUS |
| 4912 | 3155 | 4 |  | KI | KI | CD   | PLUS  |
| 4913 | 3156 | 1 | $\frac{\sqrt[3]{y}}{\sqrt[3]{x}}$  | K  | K  | CDI  | MINUS |
| 4914 | 3156 | 2 |  | K  | KI | CDI  | PLUS  |
| 4915 | 3156 | 3 |  | KI | K  | CD   | PLUS  |
| 4916 | 3156 | 4 |  | KI | KI | CD   | MINUS |
| 4917 | 3157 | 1 | $\sqrt[3]{x}\sqrt[3]{y}\pi$  | K  | K  | CDF  | PLUS  |
| 4918 | 3157 | 2 |  | K  | KI | CDF  | MINUS |
| 4919 | 3158 | 1 | $\frac{\sqrt[3]{x}\pi}{\sqrt[3]{y}}$   | K  | K  | CDF  | MINUS |
| 4920 | 3158 | 2 |  | K  | KI | CDF  | PLUS  |
| 4921 | 3159 | 1 | $\frac{1}{\sqrt[3]{x}\sqrt[3]{y}\pi}$  | K  | K  | CDIF | PLUS  |

|      |      |   |   |    |    |      |       |
|------|------|---|---|----|----|------|-------|
| 4922 | 3159 | 2 |   | K  | KI | CDIF | MINUS |
| 4923 | 3160 | 1 | $\frac{\sqrt[3]{y}}{\sqrt[3]{x\pi}}$              | K  | K  | CDIF | MINUS |
| 4924 | 3160 | 2 |   | K  | KI | CDIF | PLUS  |
| 4925 | 3161 | 1 | $x^{2/3}y^{2/3}$                                  | K  | K  | AB   | PLUS  |
| 4926 | 3161 | 2 |   | K  | KI | AB   | MINUS |
| 4927 | 3161 | 3 |   | KI | K  | ABI  | MINUS |
| 4928 | 3161 | 4 |   | KI | KI | ABI  | PLUS  |
| 4929 | 3162 | 1 | $\frac{x^{2/3}}{y^{2/3}}$                         | K  | K  | AB   | MINUS |
| 4930 | 3162 | 2 |   | K  | KI | AB   | PLUS  |
| 4931 | 3162 | 3 |   | KI | K  | ABI  | PLUS  |
| 4932 | 3162 | 4 |   | KI | KI | ABI  | MINUS |
| 4933 | 3163 | 1 | $\sqrt{\sqrt[3]{x}\sqrt[3]{y}}$                   | K  | K  | W    | PLUS  |
| 4934 | 3163 | 2 |   | K  | KI | W    | MINUS |
| 4935 | 3164 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\sqrt[3]{y}}}$          | K  | K  | W    | MINUS |
| 4936 | 3164 | 2 |   | K  | KI | W    | PLUS  |
| 4937 | 3165 | 1 | $\frac{1}{x^{2/3}y^{2/3}}$                        | K  | K  | ABI  | PLUS  |
| 4938 | 3165 | 2 |   | K  | KI | ABI  | MINUS |
| 4939 | 3165 | 3 |   | KI | K  | AB   | MINUS |
| 4940 | 3165 | 4 |   | KI | KI | AB   | PLUS  |
| 4941 | 3166 | 1 | $\frac{y^{2/3}}{x^{2/3}}$                         | K  | K  | ABI  | MINUS |
| 4942 | 3166 | 2 |   | K  | KI | ABI  | PLUS  |
| 4943 | 3166 | 3 |   | KI | K  | AB   | PLUS  |
| 4944 | 3166 | 4 |   | KI | KI | AB   | MINUS |
| 4945 | 3167 | 1 | $e^{\sqrt[3]{x}\sqrt[3]{y}}$                      | K  | K  | LL   | PLUS  |
| 4946 | 3167 | 2 |   | K  | KI | LL   | MINUS |
| 4947 | 3168 | 1 | $e^{\frac{\sqrt[3]{x}}{\sqrt[3]{y}}}$             | K  | K  | LL   | MINUS |
| 4948 | 3168 | 2 |   | K  | KI | LL   | PLUS  |
| 4949 | 3169 | 1 | $LOG(\sqrt[3]{x}\sqrt[3]{y})$                     | K  | K  | L    | PLUS  |
| 4950 | 3169 | 2 |   | K  | KI | L    | MINUS |
| 4951 | 3170 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\sqrt[3]{y}}\right)$ | K  | K  | L    | MINUS |
| 4952 | 3170 | 2 |   | K  | KI | L    | PLUS  |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 4953 | 3171 | 1 | $\arcsin(\sqrt[3]{x}\sqrt[3]{y})$  | K | K  | S  | PLUS  |
| 4954 | 3171 | 2 |  | K | KI | S  | MINUS |
| 4955 | 3172 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\sqrt[3]{y}}\right)$                            | K | K  | S  | MINUS |
| 4956 | 3172 | 2 |  | K | KI | S  | PLUS  |
| 4957 | 3173 | 1 | $\arctan(\sqrt[3]{x}\sqrt[3]{y})$  | K | K  | T  | PLUS  |
| 4958 | 3173 | 2 |  | K | KI | T  | MINUS |
| 4959 | 3174 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\sqrt[3]{y}}\right)$                            | K | K  | T  | MINUS |
| 4960 | 3174 | 2 |  | K | KI | T  | PLUS  |
| 4961 | 3175 | 1 | $\sqrt{-x^{2/3}y^{2/3}+1}$   | K | K  | P  | PLUS  |
| 4962 | 3175 | 2 |  | K | KI | P  | MINUS |
| 4963 | 3176 | 1 | $\sqrt{\frac{y^{2/3}-x^{2/3}}{y^{2/3}}}$   | K | K  | P  | MINUS |
| 4964 | 3176 | 2 |  | K | KI | P  | PLUS  |
| 4965 | 3177 | 1 | $\sqrt{x^{2/3}y^{2/3}+1}$  | K | K  | H  | PLUS  |
| 4966 | 3177 | 2 |  | K | KI | H  | MINUS |
| 4967 | 3178 | 1 | $\sqrt{\frac{y^{2/3}+x^{2/3}}{y^{2/3}}}$   | K | K  | H  | MINUS |
| 4968 | 3178 | 2 |  | K | KI | H  | PLUS  |
| 4969 | 3179 | 1 | $1/2e^{\sqrt[3]{x}\sqrt[3]{y}}-1/2e^{-\sqrt[3]{x}\sqrt[3]{y}}$                   | K | K  | SH | PLUS  |
| 4970 | 3179 | 2 |  | K | KI | SH | MINUS |
| 4971 | 3180 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{\sqrt[3]{y}}}-1/2e^{-\frac{\sqrt[3]{x}}{\sqrt[3]{y}}}$ | K | K  | SH | MINUS |
| 4972 | 3180 | 2 |  | K | KI | SH | PLUS  |
| 4973 | 3181 | 1 | $1/2e^{\sqrt[3]{x}\sqrt[3]{y}}+1/2e^{-\sqrt[3]{x}\sqrt[3]{y}}$                   | K | K  | CH | PLUS  |
| 4974 | 3181 | 2 |  | K | KI | CH | MINUS |
| 4975 | 3182 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{\sqrt[3]{y}}}+1/2e^{-\frac{\sqrt[3]{x}}{\sqrt[3]{y}}}$ | K | K  | CH | MINUS |
| 4976 | 3182 | 2 |  | K | KI | CH | PLUS  |
| 4977 | 3183 | 1 | $\frac{e^{2\sqrt[3]{x}\sqrt[3]{y}}-1}{e^{2\sqrt[3]{x}\sqrt[3]{y}}+1}$            | K | K  | TH | PLUS  |
| 4978 | 3183 | 2 |  | K | KI | TH | MINUS |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 4979 | 3184 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{x}}{\sqrt[3]{y}}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{x}}{\sqrt[3]{y}}} + 1 \right)^{-1}$ | K  | K  | TH   | MINUS |
| 4980 | 3184 | 2 |  | K  | KI | TH   | PLUS  |
| 4981 | 3185 | 1 | $\sqrt[3]{x} \ln(y)$   | K  | LL | CD   | PLUS  |
| 4982 | 3185 | 2 |  | KI | LL | CDI  | MINUS |
| 4983 | 3186 | 1 | $\frac{\sqrt[3]{x}}{\ln(y)}$   | K  | LL | CD   | MINUS |
| 4984 | 3186 | 2 |  | KI | LL | CDI  | PLUS  |
| 4985 | 3187 | 1 | $\frac{1}{\sqrt[3]{x} \ln(y)}$   | K  | LL | CDI  | PLUS  |
| 4986 | 3187 | 2 |  | KI | LL | CD   | MINUS |
| 4987 | 3188 | 1 | $\frac{\ln(y)}{\sqrt[3]{x}}$   | K  | LL | CDI  | MINUS |
| 4988 | 3188 | 2 |  | KI | LL | CD   | PLUS  |
| 4989 | 3189 | 1 | $\sqrt[3]{x} \ln(y) \pi$   | K  | LL | CDF  | PLUS  |
| 4990 | 3190 | 1 | $\frac{\sqrt[3]{x} \pi}{\ln(y)}$   | K  | LL | CDF  | MINUS |
| 4991 | 3191 | 1 | $\frac{1}{\sqrt[3]{x} \ln(y) \pi}$   | K  | LL | CDIF | PLUS  |
| 4992 | 3192 | 1 | $\frac{\ln(y)}{\sqrt[3]{x} \pi}$   | K  | LL | CDIF | MINUS |
| 4993 | 3193 | 1 | $x^{2/3} (\ln(y))^2$   | K  | LL | AB   | PLUS  |
| 4994 | 3193 | 2 |  | KI | LL | ABI  | MINUS |
| 4995 | 3194 | 1 | $\frac{x^{2/3}}{(\ln(y))^2}$   | K  | LL | AB   | MINUS |
| 4996 | 3194 | 2 |  | KI | LL | ABI  | PLUS  |
| 4997 | 3195 | 1 | $\sqrt{\sqrt[3]{x} \ln(y)}$  | K  | LL | W    | PLUS  |
| 4998 | 3196 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\ln(y)}}$  | K  | LL | W    | MINUS |
| 4999 | 3197 | 1 | $\frac{1}{x^{2/3} (\ln(y))^2}$   | K  | LL | ABI  | PLUS  |
| 5000 | 3197 | 2 |  | KI | LL | AB   | MINUS |
| 5001 | 3198 | 1 | $\frac{(\ln(y))^2}{x^{2/3}}$   | K  | LL | ABI  | MINUS |
| 5002 | 3198 | 2 |  | KI | LL | AB   | PLUS  |
| 5003 | 3199 | 1 | $x (\ln(y))^3$   | K  | LL | K    | PLUS  |
| 5004 | 3199 | 2 |  | KI | LL | KI   | MINUS |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 5005 | 3200 | 1 | $\frac{x}{(\ln(y))^3}$   | K  | LL | K  | MINUS |
| 5006 | 3200 | 2 |  | KI | LL | KI | PLUS  |
| 5007 | 3201 | 1 | $\frac{1}{x(\ln(y))^3}$  | K  | LL | KI | PLUS  |
| 5008 | 3201 | 2 |  | KI | LL | K  | MINUS |
| 5009 | 3202 | 1 | $\frac{(\ln(y))^3}{x}$   | K  | LL | KI | MINUS |
| 5010 | 3202 | 2 |  | KI | LL | K  | PLUS  |
| 5011 | 3203 | 1 | $y^{\sqrt[3]{x}}$  | K  | LL | LL | PLUS  |
| 5012 | 3204 | 1 | $e^{\frac{\sqrt[3]{x}}{\ln(y)}}$   | K  | LL | LL | MINUS |
| 5013 | 3205 | 1 | $LOG(\sqrt[3]{x} \ln(y))$  | K  | LL | L  | PLUS  |
| 5014 | 3206 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\ln(y)}\right)$                               | K  | LL | L  | MINUS |
| 5015 | 3207 | 1 | $\arcsin(\sqrt[3]{x} \ln(y))$  | K  | LL | S  | PLUS  |
| 5016 | 3208 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\ln(y)}\right)$                           | K  | LL | S  | MINUS |
| 5017 | 3209 | 1 | $\arctan(\sqrt[3]{x} \ln(y))$  | K  | LL | T  | PLUS  |
| 5018 | 3210 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\ln(y)}\right)$                           | K  | LL | T  | MINUS |
| 5019 | 3211 | 1 | $\sqrt{-x^{2/3}(\ln(y))^2 + 1}$  | K  | LL | P  | PLUS  |
| 5020 | 3212 | 1 | $\sqrt{\frac{(\ln(y))^2 - x^{2/3}}{(\ln(y))^2}}$                           | K  | LL | P  | MINUS |
| 5021 | 3213 | 1 | $\sqrt{x^{2/3}(\ln(y))^2 + 1}$   | K  | LL | H  | PLUS  |
| 5022 | 3214 | 1 | $\sqrt{\frac{(\ln(y))^2 + x^{2/3}}{(\ln(y))^2}}$                           | K  | LL | H  | MINUS |
| 5023 | 3215 | 1 | $1/2 y^{\sqrt[3]{x}} - 1/2 y^{-\sqrt[3]{x}}$                               | K  | LL | SH | PLUS  |
| 5024 | 3216 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\ln(y)}} - 1/2 e^{-\frac{\sqrt[3]{x}}{\ln(y)}}$ | K  | LL | SH | MINUS |
| 5025 | 3217 | 1 | $1/2 y^{\sqrt[3]{x}} + 1/2 y^{-\sqrt[3]{x}}$                               | K  | LL | CH | PLUS  |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5026 | 3218 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\ln(y)}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\ln(y)}}$                                       | K  | LL | CH   | MINUS |
| 5027 | 3219 | 1 | $\frac{y^2 \sqrt[3]{x} - 1}{y^2 \sqrt[3]{x} + 1}$  | K  | LL | TH   | PLUS  |
| 5028 | 3220 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{x}}{\ln(y)}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{x}}{\ln(y)}} + 1 \right)^{-1}$ | K  | LL | TH   | MINUS |
| 5029 | 3221 | 1 | $\sqrt[3]{x} EXP(y)$   | K  | L  | CD   | PLUS  |
| 5030 | 3221 | 2 |  | KI | L  | CDI  | MINUS |
| 5031 | 3222 | 1 | $\frac{\sqrt[3]{x}}{EXP(y)}$   | K  | L  | CD   | MINUS |
| 5032 | 3222 | 2 |  | KI | L  | CDI  | PLUS  |
| 5033 | 3223 | 1 | $\frac{1}{\sqrt[3]{x} EXP(y)}$   | K  | L  | CDI  | PLUS  |
| 5034 | 3223 | 2 |  | KI | L  | CD   | MINUS |
| 5035 | 3224 | 1 | $\frac{EXP(y)}{\sqrt[3]{x}}$   | K  | L  | CDI  | MINUS |
| 5036 | 3224 | 2 |  | KI | L  | CD   | PLUS  |
| 5037 | 3225 | 1 | $\sqrt[3]{x} EXP(y) \pi$   | K  | L  | CDF  | PLUS  |
| 5038 | 3226 | 1 | $\frac{\sqrt[3]{x} \pi}{EXP(y)}$   | K  | L  | CDF  | MINUS |
| 5039 | 3227 | 1 | $\frac{1}{\sqrt[3]{x} EXP(y) \pi}$   | K  | L  | CDIF | PLUS  |
| 5040 | 3228 | 1 | $\frac{EXP(y)}{\sqrt[3]{x} \pi}$   | K  | L  | CDIF | MINUS |
| 5041 | 3229 | 1 | $x^{2/3} (EXP(y))^2$   | K  | L  | AB   | PLUS  |
| 5042 | 3229 | 2 |  | KI | L  | ABI  | MINUS |
| 5043 | 3230 | 1 | $\frac{x^{2/3}}{(EXP(y))^2}$   | K  | L  | AB   | MINUS |
| 5044 | 3230 | 2 |  | KI | L  | ABI  | PLUS  |
| 5045 | 3231 | 1 | $\sqrt{\sqrt[3]{x} EXP(y)}$  | K  | L  | W    | PLUS  |
| 5046 | 3232 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{EXP(y)}}$  | K  | L  | W    | MINUS |
| 5047 | 3233 | 1 | $\frac{1}{x^{2/3} (EXP(y))^2}$   | K  | L  | ABI  | PLUS  |
| 5048 | 3233 | 2 |  | KI | L  | AB   | MINUS |
| 5049 | 3234 | 1 | $\frac{(EXP(y))^2}{x^{2/3}}$   | K  | L  | ABI  | MINUS |

|      |      |   |  |    |   |    |       |
|------|------|---|--|----|---|----|-------|
| 5050 | 3234 | 2 |  | KI | L | AB | PLUS  |
| 5051 | 3235 | 1 | $x (EXP(y))^3$   | K  | L | K  | PLUS  |
| 5052 | 3235 | 2 |  | KI | L | KI | MINUS |
| 5053 | 3236 | 1 | $\frac{x}{(EXP(y))^3}$                                   | K  | L | K  | MINUS |
| 5054 | 3236 | 2 |  | KI | L | KI | PLUS  |
| 5055 | 3237 | 1 | $\frac{1}{x(EXP(y))^3}$                                  | K  | L | KI | PLUS  |
| 5056 | 3237 | 2 |  | KI | L | K  | MINUS |
| 5057 | 3238 | 1 | $\frac{(EXP(y))^3}{x}$                                   | K  | L | KI | MINUS |
| 5058 | 3238 | 2 |  | KI | L | K  | PLUS  |
| 5059 | 3239 | 1 | $e^{\sqrt[3]{x}EXP(y)}$                                  | K  | L | LL | PLUS  |
| 5060 | 3240 | 1 | $e^{\frac{\sqrt[3]{x}}{EXP(y)}}$                         | K  | L | LL | MINUS |
| 5061 | 3241 | 1 | $LOG(\sqrt[3]{x}EXP(y))$                                 | K  | L | L  | PLUS  |
| 5062 | 3242 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{EXP(y)}\right)$             | K  | L | L  | MINUS |
| 5063 | 3243 | 1 | $\arcsin(\sqrt[3]{x}EXP(y))$                             | K  | L | S  | PLUS  |
| 5064 | 3244 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{EXP(y)}\right)$         | K  | L | S  | MINUS |
| 5065 | 3245 | 1 | $\arctan(\sqrt[3]{x}EXP(y))$                             | K  | L | T  | PLUS  |
| 5066 | 3246 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{EXP(y)}\right)$         | K  | L | T  | MINUS |
| 5067 | 3247 | 1 | $\sqrt{-x^{2/3}(EXP(y))^2 + 1}$                          | K  | L | P  | PLUS  |
| 5068 | 3248 | 1 | $\sqrt{\frac{(EXP(y))^2 - x^{2/3}}{(EXP(y))^2}}$         | K  | L | P  | MINUS |
| 5069 | 3249 | 1 | $\sqrt{x^{2/3}(EXP(y))^2 + 1}$                           | K  | L | H  | PLUS  |
| 5070 | 3250 | 1 | $\sqrt{\frac{(EXP(y))^2 + x^{2/3}}{(EXP(y))^2}}$         | K  | L | H  | MINUS |
| 5071 | 3251 | 1 | $1/2 e^{\sqrt[3]{x}EXP(y)} - 1/2 e^{-\sqrt[3]{x}EXP(y)}$ | K  | L | SH | PLUS  |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5072 | 3252 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{EXP(y)}} - 1/2 e^{-\frac{\sqrt[3]{x}}{EXP(y)}}$                                       | K  | L | SH   | MINUS |
| 5073 | 3253 | 1 | $1/2 e^{\sqrt[3]{x} EXP(y)} + 1/2 e^{-\sqrt[3]{x} EXP(y)}$   | K  | L | CH   | PLUS  |
| 5074 | 3254 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{EXP(y)}} + 1/2 e^{-\frac{\sqrt[3]{x}}{EXP(y)}}$                                       | K  | L | CH   | MINUS |
| 5075 | 3255 | 1 | $\frac{e^2 \sqrt[3]{x} EXP(y) - 1}{e^2 \sqrt[3]{x} EXP(y) + 1}$  | K  | L | TH   | PLUS  |
| 5076 | 3256 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{x}}{EXP(y)}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{x}}{EXP(y)}} + 1 \right)^{-1}$ | K  | L | TH   | MINUS |
| 5077 | 3257 | 1 | $\sqrt[3]{x} \sin(y)$  | K  | S | CD   | PLUS  |
| 5078 | 3257 | 2 |  | KI | S | CDI  | MINUS |
| 5079 | 3258 | 1 | $\frac{\sqrt[3]{x}}{\sin(y)}$  | K  | S | CD   | MINUS |
| 5080 | 3258 | 2 |  | KI | S | CDI  | PLUS  |
| 5081 | 3259 | 1 | $\frac{1}{\sqrt[3]{x} \sin(y)}$  | K  | S | CDI  | PLUS  |
| 5082 | 3259 | 2 |  | KI | S | CD   | MINUS |
| 5083 | 3260 | 1 | $\frac{\sin(y)}{\sqrt[3]{x}}$  | K  | S | CDI  | MINUS |
| 5084 | 3260 | 2 |  | KI | S | CD   | PLUS  |
| 5085 | 3261 | 1 | $\sqrt[3]{x} \sin(y) \pi$  | K  | S | CDF  | PLUS  |
| 5086 | 3262 | 1 | $\frac{\sqrt[3]{x} \pi}{\sin(y)}$  | K  | S | CDF  | MINUS |
| 5087 | 3263 | 1 | $\frac{1}{\sqrt[3]{x} \sin(y) \pi}$  | K  | S | CDIF | PLUS  |
| 5088 | 3264 | 1 | $\frac{\sin(y)}{\sqrt[3]{x} \pi}$  | K  | S | CDIF | MINUS |
| 5089 | 3265 | 1 | $x^{2/3} (\sin(y))^2$  | K  | S | AB   | PLUS  |
| 5090 | 3265 | 2 |  | KI | S | ABI  | MINUS |
| 5091 | 3266 | 1 | $\frac{x^{2/3}}{(\sin(y))^2}$  | K  | S | AB   | MINUS |
| 5092 | 3266 | 2 |  | KI | S | ABI  | PLUS  |
| 5093 | 3267 | 1 | $\sqrt{\sqrt[3]{x} \sin(y)}$   | K  | S | W    | PLUS  |
| 5094 | 3268 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\sin(y)}}$   | K  | S | W    | MINUS |



|      |      |   |  |    |   |     |       |
|------|------|---|--|----|---|-----|-------|
| 5095 | 3269 | 1 | $\frac{1}{x^{2/3}(\sin(y))^2}$                     | K  | S | ABI | PLUS  |
| 5096 | 3269 | 2 |  | KI | S | AB  | MINUS |
| 5097 | 3270 | 1 | $\frac{(\sin(y))^2}{x^{2/3}}$                      | K  | S | ABI | MINUS |
| 5098 | 3270 | 2 |  | KI | S | AB  | PLUS  |
| 5099 | 3271 | 1 | $x(\sin(y))^3$                                     | K  | S | K   | PLUS  |
| 5100 | 3271 | 2 |  | KI | S | KI  | MINUS |
| 5101 | 3272 | 1 | $\frac{x}{(\sin(y))^3}$                            | K  | S | K   | MINUS |
| 5102 | 3272 | 2 |  | KI | S | KI  | PLUS  |
| 5103 | 3273 | 1 | $\frac{1}{x(\sin(y))^3}$                           | K  | S | KI  | PLUS  |
| 5104 | 3273 | 2 |  | KI | S | K   | MINUS |
| 5105 | 3274 | 1 | $\frac{(\sin(y))^3}{x}$                            | K  | S | KI  | MINUS |
| 5106 | 3274 | 2 |  | KI | S | K   | PLUS  |
| 5107 | 3275 | 1 | $e^{\sqrt[3]{x}\sin(y)}$                           | K  | S | LL  | PLUS  |
| 5108 | 3276 | 1 | $e^{\frac{\sqrt[3]{x}}{\sin(y)}}$                  | K  | S | LL  | MINUS |
| 5109 | 3277 | 1 | $LOG(\sqrt[3]{x}\sin(y))$                          | K  | S | L   | PLUS  |
| 5110 | 3278 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\sin(y)}\right)$      | K  | S | L   | MINUS |
| 5111 | 3279 | 1 | $\arcsin(\sqrt[3]{x}\sin(y))$                      | K  | S | S   | PLUS  |
| 5112 | 3280 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\sin(y)}\right)$  | K  | S | S   | MINUS |
| 5113 | 3281 | 1 | $\arctan(\sqrt[3]{x}\sin(y))$                      | K  | S | T   | PLUS  |
| 5114 | 3282 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\sin(y)}\right)$  | K  | S | T   | MINUS |
| 5115 | 3283 | 1 | $\sqrt{x^{2/3}(\cos(y))^2 - x^{2/3} + 1}$          | K  | S | P   | PLUS  |
| 5116 | 3284 | 1 | $\sqrt{\frac{(\sin(y))^2 - x^{2/3}}{(\sin(y))^2}}$ | K  | S | P   | MINUS |
| 5117 | 3285 | 1 | $\sqrt{-x^{2/3}(\cos(y))^2 + x^{2/3} + 1}$         | K  | S | H   | PLUS  |

|      |      |   |   |    |   |      |       |
|------|------|---|---|----|---|------|-------|
| 5118 | 3286 | 1 | $\sqrt{\frac{(\sin(y))^2 + x^{2/3}}{(\sin(y))^2}}$  | K  | S | H    | MINUS |
| 5119 | 3287 | 1 | $1/2 e^{\sqrt[3]{x} \sin(y)} - 1/2 e^{-\sqrt[3]{x} \sin(y)}$  | K  | S | SH   | PLUS  |
| 5120 | 3288 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sin(y)}} - 1/2 e^{-\frac{\sqrt[3]{x}}{\sin(y)}}$  | K  | S | SH   | MINUS |
| 5121 | 3289 | 1 | $1/2 e^{\sqrt[3]{x} \sin(y)} + 1/2 e^{-\sqrt[3]{x} \sin(y)}$  | K  | S | CH   | PLUS  |
| 5122 | 3290 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sin(y)}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\sin(y)}}$  | K  | S | CH   | MINUS |
| 5123 | 3291 | 1 | $\frac{e^2 \frac{\sqrt[3]{x} \sin(y)}{e^2 \frac{\sqrt[3]{x} \sin(y)} + 1} - 1}{e^2 \frac{\sqrt[3]{x} \sin(y)}{e^2 \frac{\sqrt[3]{x} \sin(y)} + 1} + 1}$ | K  | S | TH   | PLUS  |
| 5124 | 3292 | 1 | $1 \left( e^2 \frac{\sqrt[3]{x}}{\sin(y)} - 1 \right) \left( e^2 \frac{\sqrt[3]{x}}{\sin(y)} + 1 \right)^{-1}$  | K  | S | TH   | MINUS |
| 5125 | 3293 | 1 | $\sqrt[3]{x} \tan(y)$   | K  | T | CD   | PLUS  |
| 5126 | 3293 | 2 |   | KI | T | CDI  | MINUS |
| 5127 | 3294 | 1 | $\frac{\sqrt[3]{x}}{\tan(y)}$   | K  | T | CD   | MINUS |
| 5128 | 3294 | 2 |   | KI | T | CDI  | PLUS  |
| 5129 | 3295 | 1 | $\frac{1}{\sqrt[3]{x} \tan(y)}$   | K  | T | CDI  | PLUS  |
| 5130 | 3295 | 2 |   | KI | T | CD   | MINUS |
| 5131 | 3296 | 1 | $\frac{\tan(y)}{\sqrt[3]{x}}$   | K  | T | CDI  | MINUS |
| 5132 | 3296 | 2 |   | KI | T | CD   | PLUS  |
| 5133 | 3297 | 1 | $\sqrt[3]{x} \tan(y) \pi$   | K  | T | CDF  | PLUS  |
| 5134 | 3298 | 1 | $\frac{\sqrt[3]{x} \pi}{\tan(y)}$   | K  | T | CDF  | MINUS |
| 5135 | 3299 | 1 | $\frac{1}{\sqrt[3]{x} \tan(y) \pi}$   | K  | T | CDIF | PLUS  |
| 5136 | 3300 | 1 | $\frac{\tan(y)}{\sqrt[3]{x} \pi}$   | K  | T | CDIF | MINUS |
| 5137 | 3301 | 1 | $x^{2/3} (\tan(y))^2$   | K  | T | AB   | PLUS  |
| 5138 | 3301 | 2 |   | KI | T | ABI  | MINUS |
| 5139 | 3302 | 1 | $\frac{x^{2/3}}{(\tan(y))^2}$   | K  | T | AB   | MINUS |
| 5140 | 3302 | 2 |   | KI | T | ABI  | PLUS  |

|      |      |   |   |    |   |     |       |
|------|------|---|---|----|---|-----|-------|
| 5141 | 3303 | 1 | $\sqrt{\sqrt[3]{x} \tan(y)}$  | K  | T | W   | PLUS  |
| 5142 | 3304 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\tan(y)}}$                                    | K  | T | W   | MINUS |
| 5143 | 3305 | 1 | $\frac{1}{x^{2/3}(\tan(y))^2}$  | K  | T | ABI | PLUS  |
| 5144 | 3305 | 2 |   | KI | T | AB  | MINUS |
| 5145 | 3306 | 1 | $\frac{(\tan(y))^2}{x^{2/3}}$   | K  | T | ABI | MINUS |
| 5146 | 3306 | 2 |   | KI | T | AB  | PLUS  |
| 5147 | 3307 | 1 | $x(\tan(y))^3$  | K  | T | K   | PLUS  |
| 5148 | 3307 | 2 |   | KI | T | KI  | MINUS |
| 5149 | 3308 | 1 | $\frac{x}{(\tan(y))^3}$   | K  | T | K   | MINUS |
| 5150 | 3308 | 2 |   | KI | T | KI  | PLUS  |
| 5151 | 3309 | 1 | $\frac{1}{x(\tan(y))^3}$  | K  | T | KI  | PLUS  |
| 5152 | 3309 | 2 |   | KI | T | K   | MINUS |
| 5153 | 3310 | 1 | $\frac{(\tan(y))^3}{x}$   | K  | T | KI  | MINUS |
| 5154 | 3310 | 2 |   | KI | T | K   | PLUS  |
| 5155 | 3311 | 1 | $e^{\sqrt[3]{x} \tan(y)}$   | K  | T | LL  | PLUS  |
| 5156 | 3312 | 1 | $e^{\frac{\sqrt[3]{x}}{\tan(y)}}$                                       | K  | T | LL  | MINUS |
| 5157 | 3313 | 1 | $LOG(\sqrt[3]{x} \tan(y))$  | K  | T | L   | PLUS  |
| 5158 | 3314 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\tan(y)}\right)$                           | K  | T | L   | MINUS |
| 5159 | 3315 | 1 | $\arcsin(\sqrt[3]{x} \tan(y))$  | K  | T | S   | PLUS  |
| 5160 | 3316 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\tan(y)}\right)$                       | K  | T | S   | MINUS |
| 5161 | 3317 | 1 | $\arctan(\sqrt[3]{x} \tan(y))$  | K  | T | T   | PLUS  |
| 5162 | 3318 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\tan(y)}\right)$                       | K  | T | T   | MINUS |
| 5163 | 3319 | 1 | $\sqrt{\frac{x^{2/3}(\cos(y))^2 - x^{2/3} + (\cos(y))^2}{(\cos(y))^2}}$ | K  | T | P   | PLUS  |
| 5164 | 3320 | 1 | $\sqrt{\frac{(\tan(y))^2 - x^{2/3}}{(\tan(y))^2}}$                      | K  | T | P   | MINUS |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5165 | 3321 | 1 | $\sqrt{-\frac{x^{2/3}(\cos(y))^2 - (\cos(y))^2 - x^{2/3}}{(\cos(y))^2}}$   | K  | T | H    | PLUS  |
| 5166 | 3322 | 1 | $\sqrt{\frac{(\tan(y))^2 + x^{2/3}}{(\tan(y))^2}}$   | K  | T | H    | MINUS |
| 5167 | 3323 | 1 | $1/2 e^{\sqrt[3]{x} \tan(y)} - 1/2 e^{-\sqrt[3]{x} \tan(y)}$   | K  | T | SH   | PLUS  |
| 5168 | 3324 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\tan(y)}} - 1/2 e^{-\frac{\sqrt[3]{x}}{\tan(y)}}$   | K  | T | SH   | MINUS |
| 5169 | 3325 | 1 | $1/2 e^{\sqrt[3]{x} \tan(y)} + 1/2 e^{-\sqrt[3]{x} \tan(y)}$   | K  | T | CH   | PLUS  |
| 5170 | 3326 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\tan(y)}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\tan(y)}}$   | K  | T | CH   | MINUS |
| 5171 | 3327 | 1 | $\frac{e^{2 \frac{\sqrt[3]{x} \tan(y)}{e^2 \frac{\sqrt[3]{x} \tan(y)} + 1}}{e^2 \frac{\sqrt[3]{x} \tan(y)}{e^2 \frac{\sqrt[3]{x} \tan(y)} + 1}}$ | K  | T | TH   | PLUS  |
| 5172 | 3328 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{x}}{\tan(y)}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{x}}{\tan(y)}} + 1 \right)^{-1}$                               | K  | T | TH   | MINUS |
| 5173 | 3329 | 1 | $\sqrt[3]{x} \sqrt{-y^2 + 1}$  | K  | P | CD   | PLUS  |
| 5174 | 3329 | 2 |  | KI | P | CDI  | MINUS |
| 5175 | 3330 | 1 | $\frac{\sqrt[3]{x}}{\sqrt{-y^2 + 1}}$  | K  | P | CD   | MINUS |
| 5176 | 3330 | 2 |  | KI | P | CDI  | PLUS  |
| 5177 | 3331 | 1 | $\frac{1}{\sqrt[3]{x} \sqrt{-y^2 + 1}}$  | K  | P | CDI  | PLUS  |
| 5178 | 3331 | 2 |  | KI | P | CD   | MINUS |
| 5179 | 3332 | 1 | $\frac{\sqrt{-y^2 + 1}}{\sqrt[3]{x}}$  | K  | P | CDI  | MINUS |
| 5180 | 3332 | 2 |  | KI | P | CD   | PLUS  |
| 5181 | 3333 | 1 | $\sqrt[3]{x} \sqrt{-y^2 + 1} \pi$  | K  | P | CDF  | PLUS  |
| 5182 | 3334 | 1 | $\frac{\sqrt[3]{x} \pi}{\sqrt{-y^2 + 1}}$  | K  | P | CDF  | MINUS |
| 5183 | 3335 | 1 | $\frac{1}{\sqrt[3]{x} \sqrt{-y^2 + 1} \pi}$  | K  | P | CDIF | PLUS  |
| 5184 | 3336 | 1 | $\frac{\sqrt{-y^2 + 1}}{\sqrt[3]{x} \pi}$  | K  | P | CDIF | MINUS |
| 5185 | 3337 | 1 | $x^{2/3} (-y^2 + 1)$   | K  | P | AB   | PLUS  |

|      |      |   |   |    |   |     |       |
|------|------|---|---|----|---|-----|-------|
| 5186 | 3337 | 2 |   | KI | P | ABI | MINUS |
| 5187 | 3338 | 1 | $-\frac{x^{2/3}}{y^2-1}$                                | K  | P | AB  | MINUS |
| 5188 | 3338 | 2 |   | KI | P | ABI | PLUS  |
| 5189 | 3339 | 1 | $\sqrt{\sqrt[3]{x}\sqrt{-y^2+1}}$                       | K  | P | W   | PLUS  |
| 5190 | 3340 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}}$              | K  | P | W   | MINUS |
| 5191 | 3341 | 1 | $-\frac{1}{x^{2/3}(y^2-1)}$                             | K  | P | ABI | PLUS  |
| 5192 | 3341 | 2 |   | KI | P | AB  | MINUS |
| 5193 | 3342 | 1 | $\frac{-y^2+1}{x^{2/3}}$                                | K  | P | ABI | MINUS |
| 5194 | 3342 | 2 |   | KI | P | AB  | PLUS  |
| 5195 | 3343 | 1 | $x(-y^2+1)^{3/2}$                                       | K  | P | K   | PLUS  |
| 5196 | 3343 | 2 |   | KI | P | KI  | MINUS |
| 5197 | 3344 | 1 | $\frac{x}{(-y^2+1)^{3/2}}$                              | K  | P | K   | MINUS |
| 5198 | 3344 | 2 |   | KI | P | KI  | PLUS  |
| 5199 | 3345 | 1 | $\frac{1}{x(-y^2+1)^{3/2}}$                             | K  | P | KI  | PLUS  |
| 5200 | 3345 | 2 |   | KI | P | K   | MINUS |
| 5201 | 3346 | 1 | $\frac{(-y^2+1)^{3/2}}{x}$                              | K  | P | KI  | MINUS |
| 5202 | 3346 | 2 |   | KI | P | K   | PLUS  |
| 5203 | 3347 | 1 | $e^{\sqrt[3]{x}\sqrt{-y^2+1}}$                          | K  | P | LL  | PLUS  |
| 5204 | 3348 | 1 | $e^{\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}}$                 | K  | P | LL  | MINUS |
| 5205 | 3349 | 1 | $LOG\left(\sqrt[3]{x}\sqrt{-y^2+1}\right)$              | K  | P | L   | PLUS  |
| 5206 | 3350 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}\right)$     | K  | P | L   | MINUS |
| 5207 | 3351 | 1 | $\arcsin\left(\sqrt[3]{x}\sqrt{-y^2+1}\right)$          | K  | P | S   | PLUS  |
| 5208 | 3352 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}\right)$ | K  | P | S   | MINUS |

|      |      |   |  |    |   |     |       |
|------|------|---|--|----|---|-----|-------|
| 5209 | 3353 | 1 | $\arctan\left(\sqrt[3]{x}\sqrt{-y^2+1}\right)$   | K  | P | T   | PLUS  |
| 5210 | 3354 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}\right)$  | K  | P | T   | MINUS |
| 5211 | 3355 | 1 | $\sqrt{x^{2/3}y^2 - x^{2/3} + 1}$  | K  | P | P   | PLUS  |
| 5212 | 3355 | 2 |  | K  | H | H   | PLUS  |
| 5213 | 3356 | 1 | $\sqrt{\frac{x^{2/3}+y^2-1}{y^2-1}}$   | K  | P | P   | MINUS |
| 5214 | 3356 | 2 |  | K  | H | H   | MINUS |
| 5215 | 3357 | 1 | $\sqrt{-x^{2/3}y^2 + x^{2/3} + 1}$   | K  | P | H   | PLUS  |
| 5216 | 3357 | 2 |  | K  | H | P   | PLUS  |
| 5217 | 3358 | 1 | $\sqrt{-\frac{x^{2/3}-y^2+1}{y^2-1}}$  | K  | P | H   | MINUS |
| 5218 | 3358 | 2 |  | K  | H | P   | MINUS |
| 5219 | 3359 | 1 | $1/2 e^{\sqrt[3]{x}\sqrt{-y^2+1}} - 1/2 e^{-\sqrt[3]{x}\sqrt{-y^2+1}}$   | K  | P | SH  | PLUS  |
| 5220 | 3360 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}}$                           | K  | P | SH  | MINUS |
| 5221 | 3361 | 1 | $1/2 e^{\sqrt[3]{x}\sqrt{-y^2+1}} + 1/2 e^{-\sqrt[3]{x}\sqrt{-y^2+1}}$   | K  | P | CH  | PLUS  |
| 5222 | 3362 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}}$                           | K  | P | CH  | MINUS |
| 5223 | 3363 | 1 | $\frac{e^{2\sqrt[3]{x}\sqrt{-y^2+1}}-1}{e^{2\sqrt[3]{x}\sqrt{-y^2+1}}+1}$  | K  | P | TH  | PLUS  |
| 5224 | 3364 | 1 | $1\left(e^{2\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}}-1\right)\left(e^{2\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}}}+1\right)^{-1}$ | K  | P | TH  | MINUS |
| 5225 | 3365 | 1 | $\sqrt[3]{x}\sqrt{y^2-1}$  | K  | H | CD  | PLUS  |
| 5226 | 3365 | 2 |  | KI | H | CDI | MINUS |
| 5227 | 3366 | 1 | $\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}$   | K  | H | CD  | MINUS |
| 5228 | 3366 | 2 |  | KI | H | CDI | PLUS  |
| 5229 | 3367 | 1 | $\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}$  | K  | H | CDI | PLUS  |
| 5230 | 3367 | 2 |  | KI | H | CD  | MINUS |

|      |      |   |   |    |   |      |       |
|------|------|---|---|----|---|------|-------|
| 5231 | 3368 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}$        | K  | H | CDI  | MINUS |
| 5232 | 3368 | 2 |   | KI | H | CD   | PLUS  |
| 5233 | 3369 | 1 | $\sqrt[3]{x}\sqrt{y^2-1}\pi$              | K  | H | CDF  | PLUS  |
| 5234 | 3370 | 1 | $\frac{\sqrt[3]{x}\pi}{\sqrt{y^2-1}}$     | K  | H | CDF  | MINUS |
| 5235 | 3371 | 1 | $\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}\pi}$    | K  | H | CDIF | PLUS  |
| 5236 | 3372 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt[3]{x}\pi}$     | K  | H | CDIF | MINUS |
| 5237 | 3373 | 1 | $x^{2/3}(y^2-1)$                          | K  | H | AB   | PLUS  |
| 5238 | 3373 | 2 |   | KI | H | ABI  | MINUS |
| 5239 | 3374 | 1 | $\frac{x^{2/3}}{y^2-1}$                   | K  | H | AB   | MINUS |
| 5240 | 3374 | 2 |   | KI | H | ABI  | PLUS  |
| 5241 | 3375 | 1 | $\sqrt{\sqrt[3]{x}\sqrt{y^2-1}}$          | K  | H | W    | PLUS  |
| 5242 | 3376 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}}$ | K  | H | W    | MINUS |
| 5243 | 3377 | 1 | $\frac{1}{x^{2/3}(y^2-1)}$                | K  | H | ABI  | PLUS  |
| 5244 | 3377 | 2 |   | KI | H | AB   | MINUS |
| 5245 | 3378 | 1 | $\frac{y^2-1}{x^{2/3}}$                   | K  | H | ABI  | MINUS |
| 5246 | 3378 | 2 |   | KI | H | AB   | PLUS  |
| 5247 | 3379 | 1 | $x(y^2-1)^{3/2}$                          | K  | H | K    | PLUS  |
| 5248 | 3379 | 2 |   | KI | H | KI   | MINUS |
| 5249 | 3380 | 1 | $\frac{x}{(y^2-1)^{3/2}}$                 | K  | H | K    | MINUS |
| 5250 | 3380 | 2 |   | KI | H | KI   | PLUS  |
| 5251 | 3381 | 1 | $\frac{1}{x(y^2-1)^{3/2}}$                | K  | H | KI   | PLUS  |
| 5252 | 3381 | 2 |   | KI | H | K    | MINUS |
| 5253 | 3382 | 1 | $\frac{(y^2-1)^{3/2}}{x}$                 | K  | H | KI   | MINUS |
| 5254 | 3382 | 2 |   | KI | H | K    | PLUS  |
| 5255 | 3383 | 1 | $e^{\sqrt[3]{x}\sqrt{y^2-1}}$             | K  | H | LL   | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 5256 | 3384 | 1 | $e^{\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}}$   | K  | H  | LL  | MINUS |
| 5257 | 3385 | 1 | $LOG\left(\sqrt[3]{x}\sqrt{y^2-1}\right)$  | K  | H  | L   | PLUS  |
| 5258 | 3386 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}\right)$   | K  | H  | L   | MINUS |
| 5259 | 3387 | 1 | $\arcsin\left(\sqrt[3]{x}\sqrt{y^2-1}\right)$  | K  | H  | S   | PLUS  |
| 5260 | 3388 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}\right)$   | K  | H  | S   | MINUS |
| 5261 | 3389 | 1 | $\arctan\left(\sqrt[3]{x}\sqrt{y^2-1}\right)$  | K  | H  | T   | PLUS  |
| 5262 | 3390 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}\right)$   | K  | H  | T   | MINUS |
| 5263 | 3391 | 1 | $1/2 e^{\sqrt[3]{x}\sqrt{y^2-1}} - 1/2 e^{-\sqrt[3]{x}\sqrt{y^2-1}}$   | K  | H  | SH  | PLUS  |
| 5264 | 3392 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}}$                           | K  | H  | SH  | MINUS |
| 5265 | 3393 | 1 | $1/2 e^{\sqrt[3]{x}\sqrt{y^2-1}} + 1/2 e^{-\sqrt[3]{x}\sqrt{y^2-1}}$   | K  | H  | CH  | PLUS  |
| 5266 | 3394 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}}$                           | K  | H  | CH  | MINUS |
| 5267 | 3395 | 1 | $\frac{e^2 \sqrt[3]{x}\sqrt{y^2-1}-1}{e^2 \sqrt[3]{x}\sqrt{y^2-1}+1}$  | K  | H  | TH  | PLUS  |
| 5268 | 3396 | 1 | $1\left(e^{2\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}}-1\right)\left(e^{2\frac{\sqrt[3]{x}}{\sqrt{y^2-1}}}+1\right)^{-1}$ | K  | H  | TH  | MINUS |
| 5269 | 3397 | 1 | $\sqrt[3]{x}\ln\left(y+\sqrt{y^2+1}\right)$  | K  | SH | CD  | PLUS  |
| 5270 | 3397 | 2 |  | KI | SH | CDI | MINUS |
| 5271 | 3398 | 1 | $\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}$   | K  | SH | CD  | MINUS |
| 5272 | 3398 | 2 |  | KI | SH | CDI | PLUS  |
| 5273 | 3399 | 1 | $\frac{1}{\sqrt[3]{x}\ln\left(y+\sqrt{y^2+1}\right)}$  | K  | SH | CDI | PLUS  |
| 5274 | 3399 | 2 |  | KI | SH | CD  | MINUS |



|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5275 | 3400 | 1 | $\frac{\ln(y+\sqrt{y^2+1})}{\sqrt[3]{x}}$                | K  | SH | CDI  | MINUS |
| 5276 | 3400 | 2 |  | KI | SH | CD   | PLUS  |
| 5277 | 3401 | 1 | $\sqrt[3]{x} \ln(y + \sqrt{y^2 + 1}) \pi$                | K  | SH | CDF  | PLUS  |
| 5278 | 3402 | 1 | $\frac{\sqrt[3]{x} \pi}{\ln(y+\sqrt{y^2+1})}$            | K  | SH | CDF  | MINUS |
| 5279 | 3403 | 1 | $\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1}) \pi}$          | K  | SH | CDIF | PLUS  |
| 5280 | 3404 | 1 | $\frac{\ln(y+\sqrt{y^2+1})}{\sqrt[3]{x} \pi}$            | K  | SH | CDIF | MINUS |
| 5281 | 3405 | 1 | $x^{2/3} \left( \ln(y + \sqrt{y^2 + 1}) \right)^2$       | K  | SH | AB   | PLUS  |
| 5282 | 3405 | 2 |  | KI | SH | ABI  | MINUS |
| 5283 | 3406 | 1 | $\frac{x^{2/3}}{\left( \ln(y+\sqrt{y^2+1}) \right)^2}$   | K  | SH | AB   | MINUS |
| 5284 | 3406 | 2 |  | KI | SH | ABI  | PLUS  |
| 5285 | 3407 | 1 | $\sqrt{\sqrt[3]{x} \ln(y + \sqrt{y^2 + 1})}$             | K  | SH | W    | PLUS  |
| 5286 | 3408 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2+1})}}$         | K  | SH | W    | MINUS |
| 5287 | 3409 | 1 | $\frac{1}{x^{2/3} \left( \ln(y+\sqrt{y^2+1}) \right)^2}$ | K  | SH | ABI  | PLUS  |
| 5288 | 3409 | 2 |  | KI | SH | AB   | MINUS |
| 5289 | 3410 | 1 | $\frac{\left( \ln(y+\sqrt{y^2+1}) \right)^2}{x^{2/3}}$   | K  | SH | ABI  | MINUS |
| 5290 | 3410 | 2 |  | KI | SH | AB   | PLUS  |
| 5291 | 3411 | 1 | $x \left( \ln(y + \sqrt{y^2 + 1}) \right)^3$             | K  | SH | K    | PLUS  |
| 5292 | 3411 | 2 |  | KI | SH | KI   | MINUS |
| 5293 | 3412 | 1 | $\frac{x}{\left( \ln(y+\sqrt{y^2+1}) \right)^3}$         | K  | SH | K    | MINUS |
| 5294 | 3412 | 2 |  | KI | SH | KI   | PLUS  |
| 5295 | 3413 | 1 | $\frac{1}{x \left( \ln(y+\sqrt{y^2+1}) \right)^3}$       | K  | SH | KI   | PLUS  |
| 5296 | 3413 | 2 |  | KI | SH | K    | MINUS |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 5297 | 3414 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}{x}$  | K  | SH | KI | MINUS |
| 5298 | 3414 | 2 |  | KI | SH | K  | PLUS  |
| 5299 | 3415 | 1 | $\left(y+\sqrt{y^2+1}\right)^{\sqrt[3]{x}}$  | K  | SH | LL | PLUS  |
| 5300 | 3416 | 1 | $e^{\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}$   | K  | SH | LL | MINUS |
| 5301 | 3417 | 1 | $LOG\left(\sqrt[3]{x}\ln\left(y+\sqrt{y^2+1}\right)\right)$  | K  | SH | L  | PLUS  |
| 5302 | 3418 | 1 | $LOG\left(\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | K  | SH | L  | MINUS |
| 5303 | 3419 | 1 | $\arcsin\left(\sqrt[3]{x}\ln\left(y+\sqrt{y^2+1}\right)\right)$  | K  | SH | S  | PLUS  |
| 5304 | 3420 | 1 | $\arcsin\left(\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | K  | SH | S  | MINUS |
| 5305 | 3421 | 1 | $\arctan\left(\sqrt[3]{x}\ln\left(y+\sqrt{y^2+1}\right)\right)$  | K  | SH | T  | PLUS  |
| 5306 | 3422 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | K  | SH | T  | MINUS |
| 5307 | 3423 | 1 | $\sqrt{-x^{2/3}\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$   | K  | SH | P  | PLUS  |
| 5308 | 3424 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-x^{2/3}}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$   | K  | SH | P  | MINUS |
| 5309 | 3425 | 1 | $\sqrt{x^{2/3}\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$  | K  | SH | H  | PLUS  |
| 5310 | 3426 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+x^{2/3}}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$   | K  | SH | H  | MINUS |
| 5311 | 3427 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt[3]{x}}-1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt[3]{x}}$                           | K  | SH | SH | PLUS  |
| 5312 | 3428 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}-1/2e^{-\frac{\sqrt[3]{x}}{\ln\left(y+\sqrt{y^2+1}\right)}}$ | K  | SH | SH | MINUS |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5313 | 3429 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{\sqrt[3]{x}} + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-\sqrt[3]{x}}$                                       | K  | SH | CH   | PLUS  |
| 5314 | 3430 | 1 | $1/2 e^{\frac{\sqrt[3]{x}}{\ln(y + \sqrt{y^2 + 1})}} + 1/2 e^{-\frac{\sqrt[3]{x}}{\ln(y + \sqrt{y^2 + 1})}}$                                       | K  | SH | CH   | MINUS |
| 5315 | 3431 | 1 | $\frac{\left( y + \sqrt{y^2 + 1} \right)^2 \sqrt[3]{x} - 1}{\left( y + \sqrt{y^2 + 1} \right)^2 \sqrt[3]{x} + 1}$                                  | K  | SH | TH   | PLUS  |
| 5316 | 3432 | 1 | $1 \left( e^{2 \frac{\sqrt[3]{x}}{\ln(y + \sqrt{y^2 + 1})}} - 1 \right) \left( e^{2 \frac{\sqrt[3]{x}}{\ln(y + \sqrt{y^2 + 1})}} + 1 \right)^{-1}$ | K  | SH | TH   | MINUS |
| 5317 | 3433 | 1 | $\sqrt[3]{x} \ln \left( y + \sqrt{y^2 - 1} \right)$  | K  | CH | CD   | PLUS  |
| 5318 | 3433 | 2 |  | KI | CH | CDI  | MINUS |
| 5319 | 3434 | 1 | $\frac{\sqrt[3]{x}}{\ln(y + \sqrt{y^2 - 1})}$  | K  | CH | CD   | MINUS |
| 5320 | 3434 | 2 |  | KI | CH | CDI  | PLUS  |
| 5321 | 3435 | 1 | $\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}$  | K  | CH | CDI  | PLUS  |
| 5322 | 3435 | 2 |  | KI | CH | CD   | MINUS |
| 5323 | 3436 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{\sqrt[3]{x}}$  | K  | CH | CDI  | MINUS |
| 5324 | 3436 | 2 |  | KI | CH | CD   | PLUS  |
| 5325 | 3437 | 1 | $\sqrt[3]{x} \ln \left( y + \sqrt{y^2 - 1} \right) \pi$  | K  | CH | CDF  | PLUS  |
| 5326 | 3438 | 1 | $\frac{\sqrt[3]{x} \pi}{\ln(y + \sqrt{y^2 - 1})}$  | K  | CH | CDF  | MINUS |
| 5327 | 3439 | 1 | $\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1}) \pi}$  | K  | CH | CDIF | PLUS  |
| 5328 | 3440 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{\sqrt[3]{x} \pi}$  | K  | CH | CDIF | MINUS |
| 5329 | 3441 | 1 | $x^{2/3} \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2$   | K  | CH | AB   | PLUS  |
| 5330 | 3441 | 2 |  | KI | CH | ABI  | MINUS |
| 5331 | 3442 | 1 | $\frac{x^{2/3}}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$   | K  | CH | AB   | MINUS |
| 5332 | 3442 | 2 |  | KI | CH | ABI  | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 5333 | 3443 | 1 | $\sqrt{\sqrt[3]{x} \ln \left( y + \sqrt{y^2 - 1} \right)}$                         | K  | CH | W   | PLUS  |
| 5334 | 3444 | 1 | $\sqrt{\frac{\sqrt[3]{x}}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$                 | K  | CH | W   | MINUS |
| 5335 | 3445 | 1 | $\frac{1}{x^{2/3} \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}$         | K  | CH | ABI | PLUS  |
| 5336 | 3445 | 2 |  | KI | CH | AB  | MINUS |
| 5337 | 3446 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{x^{2/3}}$           | K  | CH | ABI | MINUS |
| 5338 | 3446 | 2 |  | KI | CH | AB  | PLUS  |
| 5339 | 3447 | 1 | $x \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3$                         | K  | CH | K   | PLUS  |
| 5340 | 3447 | 2 |  | KI | CH | KI  | MINUS |
| 5341 | 3448 | 1 | $\frac{x}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$                 | K  | CH | K   | MINUS |
| 5342 | 3448 | 2 |  | KI | CH | KI  | PLUS  |
| 5343 | 3449 | 1 | $\frac{1}{x \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$               | K  | CH | KI  | PLUS  |
| 5344 | 3449 | 2 |  | KI | CH | K   | MINUS |
| 5345 | 3450 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}{x}$                 | K  | CH | KI  | MINUS |
| 5346 | 3450 | 2 |  | KI | CH | K   | PLUS  |
| 5347 | 3451 | 1 | $\left( y + \sqrt{y^2 - 1} \right)^{\sqrt[3]{x}}$                                  | K  | CH | LL  | PLUS  |
| 5348 | 3452 | 1 | $e^{\frac{\sqrt[3]{x}}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$                    | K  | CH | LL  | MINUS |
| 5349 | 3453 | 1 | $LOG \left( \sqrt[3]{x} \ln \left( y + \sqrt{y^2 - 1} \right) \right)$             | K  | CH | L   | PLUS  |
| 5350 | 3454 | 1 | $LOG \left( \frac{\sqrt[3]{x}}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$     | K  | CH | L   | MINUS |
| 5351 | 3455 | 1 | $\arcsin \left( \sqrt[3]{x} \ln \left( y + \sqrt{y^2 - 1} \right) \right)$         | K  | CH | S   | PLUS  |
| 5352 | 3456 | 1 | $\arcsin \left( \frac{\sqrt[3]{x}}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$ | K  | CH | S   | MINUS |
| 5353 | 3457 | 1 | $\arctan \left( \sqrt[3]{x} \ln \left( y + \sqrt{y^2 - 1} \right) \right)$         | K  | CH | T   | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 5354 | 3458 | 1 | $\arctan\left(\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}\right)$  | K  | CH | T   | MINUS |
| 5355 | 3459 | 1 | $\sqrt{-x^{2/3}\left(\ln(y+\sqrt{y^2-1})\right)^2+1}$  | K  | CH | P   | PLUS  |
| 5356 | 3460 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2-x^{2/3}}{(\ln(y+\sqrt{y^2-1}))^2}}$   | K  | CH | P   | MINUS |
| 5357 | 3461 | 1 | $\sqrt{x^{2/3}\left(\ln(y+\sqrt{y^2-1})\right)^2+1}$   | K  | CH | H   | PLUS  |
| 5358 | 3462 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2-1}))^2+x^{2/3}}{(\ln(y+\sqrt{y^2-1}))^2}}$   | K  | CH | H   | MINUS |
| 5359 | 3463 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{\sqrt[3]{x}}-1/2\left(y+\sqrt{y^2-1}\right)^{-\sqrt[3]{x}}$                                   | CH | SH |     | PLUS  |
| 5360 | 3464 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}}-1/2e^{-\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}}$                               | K  | CH | SH  | MINUS |
| 5361 | 3465 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{\sqrt[3]{x}}+1/2\left(y+\sqrt{y^2-1}\right)^{-\sqrt[3]{x}}$                                   | CH | CH |     | PLUS  |
| 5362 | 3466 | 1 | $1/2e^{\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}}+1/2e^{-\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}}$                               | K  | CH | CH  | MINUS |
| 5363 | 3467 | 1 | $\frac{(y+\sqrt{y^2-1})^2\sqrt[3]{x}-1}{(y+\sqrt{y^2-1})^2\sqrt[3]{x}+1}$  | K  | CH | TH  | PLUS  |
| 5364 | 3468 | 1 | $1\left(e^{2\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}}-1\right)\left(e^{2\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})}}+1\right)^{-1}$ | K  | CH | TH  | MINUS |
| 5365 | 3469 | 1 | $1/2\sqrt[3]{x}\ln\left(\frac{-y-1}{y-1}\right)$   | K  | TH | CD  | PLUS  |
| 5366 | 3469 | 2 |  | KI | TH | CDI | MINUS |
| 5367 | 3470 | 1 | $2\sqrt[3]{x}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | K  | TH | CD  | MINUS |
| 5368 | 3470 | 2 |  | KI | TH | CDI | PLUS  |
| 5369 | 3471 | 1 | $2\frac{1}{\sqrt[3]{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | K  | TH | CDI | PLUS  |
| 5370 | 3471 | 2 |  | KI | TH | CD  | MINUS |

|      |      |   |   |    |    |      |       |
|------|------|---|---|----|----|------|-------|
| 5371 | 3472 | 1 | $1/2 \frac{1}{\sqrt[3]{x}} \ln \left( \frac{-y-1}{y-1} \right)$                       | K  | TH | CDI  | MINUS |
| 5372 | 3472 | 2 |   | KI | TH | CD   | PLUS  |
| 5373 | 3473 | 1 | $1/2 \sqrt[3]{x} \ln \left( \frac{-y-1}{y-1} \right) \pi$                             | K  | TH | CDF  | PLUS  |
| 5374 | 3474 | 1 | $2 \sqrt[3]{x} \pi \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$           | K  | TH | CDF  | MINUS |
| 5375 | 3475 | 1 | $2 \frac{1}{\sqrt[3]{x} \pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$ | K  | TH | CDIF | PLUS  |
| 5376 | 3476 | 1 | $1/2 \frac{1}{\sqrt[3]{x} \pi} \ln \left( \frac{-y-1}{y-1} \right)$                   | K  | TH | CDIF | MINUS |
| 5377 | 3477 | 1 | $1/4 x^{2/3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                    | K  | TH | AB   | PLUS  |
| 5378 | 3477 | 2 |   | KI | TH | ABI  | MINUS |
| 5379 | 3478 | 1 | $4 x^{2/3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                   | K  | TH | AB   | MINUS |
| 5380 | 3478 | 2 |   | KI | TH | ABI  | PLUS  |
| 5381 | 3479 | 1 | $1/2 \sqrt{2} \sqrt{\sqrt[3]{x} \ln \left( \frac{-y-1}{y-1} \right)}$                 | K  | TH | W    | PLUS  |
| 5382 | 3480 | 1 | $\sqrt{2} \sqrt{\sqrt[3]{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$ | K  | TH | W    | MINUS |
| 5383 | 3481 | 1 | $4 \frac{1}{x^{2/3}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$         | K  | TH | ABI  | PLUS  |
| 5384 | 3481 | 2 |   | KI | TH | AB   | MINUS |
| 5385 | 3482 | 1 | $1/4 \frac{1}{x^{2/3}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$          | K  | TH | ABI  | MINUS |
| 5386 | 3482 | 2 |   | KI | TH | AB   | PLUS  |
| 5387 | 3483 | 1 | $1/8 x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                          | K  | TH | K    | PLUS  |
| 5388 | 3483 | 2 |   | KI | TH | KI   | MINUS |
| 5389 | 3484 | 1 | $8 x \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                         | K  | TH | K    | MINUS |
| 5390 | 3484 | 2 |   | KI | TH | KI   | PLUS  |
| 5391 | 3485 | 1 | $8 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$               | K  | TH | KI   | PLUS  |
| 5392 | 3485 | 2 |   | KI | TH | K    | MINUS |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 5393 | 3486 | 1 | $1/8 \frac{1}{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$   | K  | TH | KI | MINUS |
| 5394 | 3486 | 2 |  | KI | TH | K  | PLUS  |
| 5395 | 3487 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2} \sqrt[3]{x}$  | K  | TH | LL | PLUS  |
| 5396 | 3488 | 1 | $e^2 \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1}$   | K  | TH | LL | MINUS |
| 5397 | 3489 | 1 | $LOG \left( 1/2 \sqrt[3]{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$   | K  | TH | L  | PLUS  |
| 5398 | 3490 | 1 | $LOG \left( 2 \sqrt[3]{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$   | K  | TH | L  | MINUS |
| 5399 | 3491 | 1 | $\arcsin \left( 1/2 \sqrt[3]{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$   | K  | TH | S  | PLUS  |
| 5400 | 3492 | 1 | $\arcsin \left( 2 \sqrt[3]{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$   | K  | TH | S  | MINUS |
| 5401 | 3493 | 1 | $\arctan \left( 1/2 \sqrt[3]{x} \ln \left( \frac{-y-1}{y-1} \right) \right)$   | K  | TH | T  | PLUS  |
| 5402 | 3494 | 1 | $\arctan \left( 2 \sqrt[3]{x} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$   | K  | TH | T  | MINUS |
| 5403 | 3495 | 1 | $1/2 \sqrt{-x^{2/3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$   | K  | TH | P  | PLUS  |
| 5404 | 3496 | 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 - 4 x^{2/3} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$ | K  | TH | P  | MINUS |
| 5405 | 3497 | 1 | $1/2 \sqrt{x^{2/3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$  | K  | TH | H  | PLUS  |
| 5406 | 3498 | 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4 x^{2/3} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$ | K  | TH | H  | MINUS |
| 5407 | 3499 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2} \sqrt[3]{x} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2} \sqrt[3]{x}$                                   | K  | TH | SH | PLUS  |
| 5408 | 3500 | 1 | $1/2 e^2 \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1} - 1/2 e^{-2} \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1}$   | K  | TH | SH | MINUS |

|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 5409 | 3501 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt[3]{x}} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt[3]{x}}$   | K  | TH  | CH | PLUS  |
| 5410 | 3502 | 1 | $1/2 e^{2 \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 e^{-2 \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1}}$   | K  | TH  | CH | MINUS |
| 5411 | 3503 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt[3]{x}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt[3]{x}} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt[3]{x}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt[3]{x}} \right)^{-1}$ | K  | TH  | TH | PLUS  |
| 5412 | 3504 | 1 | $1 \left( e^{4 \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right) \left( e^{4 \sqrt[3]{x} (\ln(\frac{-y-1}{y-1}))^{-1}} + 1 \right)^{-1}$   |    | TH  | TH | MINUS |
| 5413 | 3505 | 1 | $\sqrt{\frac{y}{\sqrt[3]{x}}}$   | KI | CD  | W  | PLUS  |
| 5414 | 3505 | 2 |  | KI | CDI | W  | MINUS |
| 5415 | 3506 | 1 | $\sqrt{\frac{1}{\sqrt[3]{xy}}}$  | KI | CD  | W  | MINUS |
| 5416 | 3506 | 2 |  | KI | CDI | W  | PLUS  |
| 5417 | 3507 | 1 | $e^{\frac{y}{\sqrt[3]{x}}}$  | KI | CD  | LL | PLUS  |
| 5418 | 3507 | 2 |  | KI | CDI | LL | MINUS |
| 5419 | 3508 | 1 | $e^{\frac{1}{\sqrt[3]{xy}}}$   | KI | CD  | LL | MINUS |
| 5420 | 3508 | 2 |  | KI | CDI | LL | PLUS  |
| 5421 | 3509 | 1 | $LOG \left( \frac{y}{\sqrt[3]{x}} \right)$   | KI | CD  | L  | PLUS  |
| 5422 | 3509 | 2 |  | KI | CDI | L  | MINUS |
| 5423 | 3510 | 1 | $LOG \left( \frac{1}{\sqrt[3]{xy}} \right)$  | KI | CD  | L  | MINUS |
| 5424 | 3510 | 2 |  | KI | CDI | L  | PLUS  |
| 5425 | 3511 | 1 | $\arcsin \left( \frac{y}{\sqrt[3]{x}} \right)$   | KI | CD  | S  | PLUS  |
| 5426 | 3511 | 2 |  | KI | CDI | S  | MINUS |
| 5427 | 3512 | 1 | $\arcsin \left( \frac{1}{\sqrt[3]{xy}} \right)$  | KI | CD  | S  | MINUS |
| 5428 | 3512 | 2 |  | KI | CDI | S  | PLUS  |
| 5429 | 3513 | 1 | $\arctan \left( \frac{y}{\sqrt[3]{x}} \right)$   | KI | CD  | T  | PLUS  |
| 5430 | 3513 | 2 |  | KI | CDI | T  | MINUS |
| 5431 | 3514 | 1 | $\arctan \left( \frac{1}{\sqrt[3]{xy}} \right)$  | KI | CD  | T  | MINUS |
| 5432 | 3514 | 2 |  | KI | CDI | T  | PLUS  |



|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 5433 | 3515 | 1 | $\sqrt{\frac{x^{2/3}-y^2}{x^{2/3}}}$   | KI | CD  | P    | PLUS  |
| 5434 | 3515 | 2 |  | KI | CDI | P    | MINUS |
| 5435 | 3516 | 1 | $\sqrt{\frac{x^{2/3}y^2-1}{x^{2/3}y^2}}$   | KI | CD  | P    | MINUS |
| 5436 | 3516 | 2 |  | KI | CDI | P    | PLUS  |
| 5437 | 3517 | 1 | $\sqrt{\frac{x^{2/3}+y^2}{x^{2/3}}}$   | KI | CD  | H    | PLUS  |
| 5438 | 3517 | 2 |  | KI | CDI | H    | MINUS |
| 5439 | 3518 | 1 | $\sqrt{\frac{x^{2/3}y^2+1}{x^{2/3}y^2}}$   | KI | CD  | H    | MINUS |
| 5440 | 3518 | 2 |  | KI | CDI | H    | PLUS  |
| 5441 | 3519 | 1 | $1/2 e^{\frac{y}{\sqrt[3]{x}}} - 1/2 e^{-\frac{y}{\sqrt[3]{x}}}$   | KI | CD  | SH   | PLUS  |
| 5442 | 3519 | 2 |  | KI | CDI | SH   | MINUS |
| 5443 | 3520 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{xy}}} - 1/2 e^{-\frac{1}{\sqrt[3]{xy}}}$                                       | KI | CD  | SH   | MINUS |
| 5444 | 3520 | 2 |  | KI | CDI | SH   | PLUS  |
| 5445 | 3521 | 1 | $1/2 e^{\frac{y}{\sqrt[3]{x}}} + 1/2 e^{-\frac{y}{\sqrt[3]{x}}}$   | KI | CD  | CH   | PLUS  |
| 5446 | 3521 | 2 |  | KI | CDI | CH   | MINUS |
| 5447 | 3522 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{xy}}} + 1/2 e^{-\frac{1}{\sqrt[3]{xy}}}$                                       | KI | CD  | CH   | MINUS |
| 5448 | 3522 | 2 |  | KI | CDI | CH   | PLUS  |
| 5449 | 3523 | 1 | $1 \left( e^{2 \frac{y}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{y}{\sqrt[3]{x}}} + 1 \right)^{-1}$   | KI | CD  | TH   | PLUS  |
| 5450 | 3523 | 2 |  | KI | CDI | TH   | MINUS |
| 5451 | 3524 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{xy}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{xy}}} + 1 \right)^{-1}$ | KI | CD  | TH   | MINUS |
| 5452 | 3524 | 2 |  | KI | CDI | TH   | PLUS  |
| 5453 | 3525 | 1 | $\frac{\pi^2}{\sqrt[3]{xy}}$   | KI | CDF | CDF  | MINUS |
| 5454 | 3526 | 1 | $\frac{\sqrt[3]{xy}}{\pi^2}$   | KI | CDF | CDIF | MINUS |
| 5455 | 3527 | 1 | $\sqrt{\frac{y}{\sqrt[3]{x}\pi}}$  | KI | CDF | W    | PLUS  |
| 5456 | 3528 | 1 | $\sqrt{\frac{\pi}{\sqrt[3]{xy}}}$  | KI | CDF | W    | MINUS |
| 5457 | 3529 | 1 | $e^{\frac{y}{\sqrt[3]{x}\pi}}$   | KI | CDF | LL   | PLUS  |

|      |      |   |  |    |      |     |       |
|------|------|---|--|----|------|-----|-------|
| 5458 | 3530 | 1 | $e^{\frac{\pi}{\sqrt[3]{xy}}}$   | KI | CDF  | LL  | MINUS |
| 5459 | 3531 | 1 | $LOG\left(\frac{y}{\sqrt[3]{x\pi}}\right)$   | KI | CDF  | L   | PLUS  |
| 5460 | 3532 | 1 | $LOG\left(\frac{\pi}{\sqrt[3]{xy}}\right)$   | KI | CDF  | L   | MINUS |
| 5461 | 3533 | 1 | $\arcsin\left(\frac{y}{\sqrt[3]{x\pi}}\right)$   | KI | CDF  | S   | PLUS  |
| 5462 | 3534 | 1 | $\arcsin\left(\frac{\pi}{\sqrt[3]{xy}}\right)$   | KI | CDF  | S   | MINUS |
| 5463 | 3535 | 1 | $\arctan\left(\frac{y}{\sqrt[3]{x\pi}}\right)$   | KI | CDF  | T   | PLUS  |
| 5464 | 3536 | 1 | $\arctan\left(\frac{\pi}{\sqrt[3]{xy}}\right)$   | KI | CDF  | T   | MINUS |
| 5465 | 3537 | 1 | $\sqrt{\frac{x^{2/3}\pi^2-y^2}{x^{2/3}\pi^2}}$   | KI | CDF  | P   | PLUS  |
| 5466 | 3538 | 1 | $\sqrt{\frac{x^{2/3}y^2-\pi^2}{x^{2/3}y^2}}$   | KI | CDF  | P   | MINUS |
| 5467 | 3539 | 1 | $\sqrt{\frac{x^{2/3}\pi^2+y^2}{x^{2/3}\pi^2}}$   | KI | CDF  | H   | PLUS  |
| 5468 | 3540 | 1 | $\sqrt{\frac{x^{2/3}y^2+\pi^2}{x^{2/3}y^2}}$   | KI | CDF  | H   | MINUS |
| 5469 | 3541 | 1 | $1/2 e^{\frac{y}{\sqrt[3]{x\pi}}} - 1/2 e^{-\frac{y}{\sqrt[3]{x\pi}}}$                               | KI | CDF  | SH  | PLUS  |
| 5470 | 3542 | 1 | $1/2 e^{\frac{\pi}{\sqrt[3]{xy}}} - 1/2 e^{-\frac{\pi}{\sqrt[3]{xy}}}$                               | KI | CDF  | SH  | MINUS |
| 5471 | 3543 | 1 | $1/2 e^{\frac{y}{\sqrt[3]{x\pi}}} + 1/2 e^{-\frac{y}{\sqrt[3]{x\pi}}}$                               | KI | CDF  | CH  | PLUS  |
| 5472 | 3544 | 1 | $1/2 e^{\frac{\pi}{\sqrt[3]{xy}}} + 1/2 e^{-\frac{\pi}{\sqrt[3]{xy}}}$                               | KI | CDF  | CH  | MINUS |
| 5473 | 3545 | 1 | $1\left(e^{2\frac{y}{\sqrt[3]{x\pi}}} - 1\right)\left(e^{2\frac{y}{\sqrt[3]{x\pi}}} + 1\right)^{-1}$ | KI | CDF  | TH  | PLUS  |
| 5474 | 3546 | 1 | $1\left(e^{2\frac{\pi}{\sqrt[3]{xy}}} - 1\right)\left(e^{2\frac{\pi}{\sqrt[3]{xy}}} + 1\right)^{-1}$ | KI | CDF  | TH  | MINUS |
| 5475 | 3547 | 1 | $\frac{y\pi^2}{\sqrt[3]{x}}$   | KI | CDIF | CDF | MINUS |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 5476 | 3548 | 1 | $\frac{\sqrt[3]{x}}{y\pi^2}$   | KI | CDIF | CDIF | MINUS |
| 5477 | 3549 | 1 | $\sqrt{\frac{1}{\sqrt[3]{xy\pi}}}$                                     | KI | CDIF | W    | PLUS  |
| 5478 | 3550 | 1 | $\sqrt{\frac{y\pi}{\sqrt[3]{x}}}$                                      | KI | CDIF | W    | MINUS |
| 5479 | 3551 | 1 | $e^{\frac{1}{\sqrt[3]{xy\pi}}}$  | KI | CDIF | LL   | PLUS  |
| 5480 | 3552 | 1 | $e^{\frac{y\pi}{\sqrt[3]{x}}}$   | KI | CDIF | LL   | MINUS |
| 5481 | 3553 | 1 | $LOG\left(\frac{1}{\sqrt[3]{xy\pi}}\right)$                            | KI | CDIF | L    | PLUS  |
| 5482 | 3554 | 1 | $LOG\left(\frac{y\pi}{\sqrt[3]{x}}\right)$                             | KI | CDIF | L    | MINUS |
| 5483 | 3555 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{xy\pi}}\right)$                        | KI | CDIF | S    | PLUS  |
| 5484 | 3556 | 1 | $\arcsin\left(\frac{y\pi}{\sqrt[3]{x}}\right)$                         | KI | CDIF | S    | MINUS |
| 5485 | 3557 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{xy\pi}}\right)$                        | KI | CDIF | T    | PLUS  |
| 5486 | 3558 | 1 | $\arctan\left(\frac{y\pi}{\sqrt[3]{x}}\right)$                         | KI | CDIF | T    | MINUS |
| 5487 | 3559 | 1 | $\sqrt{\frac{x^{2/3}y^2\pi^2-1}{x^{2/3}y^2\pi^2}}$                     | KI | CDIF | P    | PLUS  |
| 5488 | 3560 | 1 | $\sqrt{\frac{-y^2\pi^2+x^{2/3}}{x^{2/3}}}$                             | KI | CDIF | P    | MINUS |
| 5489 | 3561 | 1 | $\sqrt{\frac{x^{2/3}y^2\pi^2+1}{x^{2/3}y^2\pi^2}}$                     | KI | CDIF | H    | PLUS  |
| 5490 | 3562 | 1 | $\sqrt{\frac{y^2\pi^2+x^{2/3}}{x^{2/3}}}$                              | KI | CDIF | H    | MINUS |
| 5491 | 3563 | 1 | $1/2e^{\frac{1}{\sqrt[3]{xy\pi}}} - 1/2e^{-\frac{1}{\sqrt[3]{xy\pi}}}$ | KI | CDIF | SH   | PLUS  |
| 5492 | 3564 | 1 | $1/2e^{\frac{y\pi}{\sqrt[3]{x}}} - 1/2e^{-\frac{y\pi}{\sqrt[3]{x}}}$   | KI | CDIF | SH   | MINUS |
| 5493 | 3565 | 1 | $1/2e^{\frac{1}{\sqrt[3]{xy\pi}}} + 1/2e^{-\frac{1}{\sqrt[3]{xy\pi}}}$ | KI | CDIF | CH   | PLUS  |
| 5494 | 3566 | 1 | $1/2e^{\frac{y\pi}{\sqrt[3]{x}}} + 1/2e^{-\frac{y\pi}{\sqrt[3]{x}}}$   | KI | CDIF | CH   | MINUS |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 5495 | 3567 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{xy}\pi}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{xy}\pi}} + 1 \right)^{-1}$ | KI | CDIF | TH   | PLUS  |
| 5496 | 3568 | 1 | $1 \left( e^{2 \frac{y\pi}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{y\pi}{\sqrt[3]{x}}} + 1 \right)^{-1}$   | KI | CDIF | TH   | MINUS |
| 5497 | 3569 | 1 | $\frac{\sqrt{y}\pi}{\sqrt[3]{x}}$  | KI | AB   | CDF  | PLUS  |
| 5498 | 3569 | 2 |  | KI | ABI  | CDF  | MINUS |
| 5499 | 3570 | 1 | $\frac{\pi}{\sqrt[3]{x}\sqrt{y}}$  | KI | AB   | CDF  | MINUS |
| 5500 | 3570 | 2 |  | KI | ABI  | CDF  | PLUS  |
| 5501 | 3571 | 1 | $\frac{\sqrt[3]{x}}{\sqrt{y}\pi}$  | KI | AB   | CDIF | PLUS  |
| 5502 | 3571 | 2 |  | KI | ABI  | CDIF | MINUS |
| 5503 | 3572 | 1 | $\frac{\sqrt[3]{x}\sqrt{y}}{\pi}$  | KI | AB   | CDIF | MINUS |
| 5504 | 3572 | 2 |  | KI | ABI  | CDIF | PLUS  |
| 5505 | 3573 | 1 | $\sqrt{\frac{\sqrt{y}}{\sqrt[3]{x}}}$  | KI | AB   | W    | PLUS  |
| 5506 | 3573 | 2 |  | KI | ABI  | W    | MINUS |
| 5507 | 3574 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x}\sqrt{y}}}$   | KI | AB   | W    | MINUS |
| 5508 | 3574 | 2 |  | KI | ABI  | W    | PLUS  |
| 5509 | 3575 | 1 | $e^{\frac{\sqrt{y}}{\sqrt[3]{x}}}$   | KI | AB   | LL   | PLUS  |
| 5510 | 3575 | 2 |  | KI | ABI  | LL   | MINUS |
| 5511 | 3576 | 1 | $e^{\frac{1}{\sqrt[3]{x}\sqrt{y}}}$  | KI | AB   | LL   | MINUS |
| 5512 | 3576 | 2 |  | KI | ABI  | LL   | PLUS  |
| 5513 | 3577 | 1 | $LOG \left( \frac{\sqrt{y}}{\sqrt[3]{x}} \right)$  | KI | AB   | L    | PLUS  |
| 5514 | 3577 | 2 |  | KI | ABI  | L    | MINUS |
| 5515 | 3578 | 1 | $LOG \left( \frac{1}{\sqrt[3]{x}\sqrt{y}} \right)$   | KI | AB   | L    | MINUS |
| 5516 | 3578 | 2 |  | KI | ABI  | L    | PLUS  |
| 5517 | 3579 | 1 | $\arcsin \left( \frac{\sqrt{y}}{\sqrt[3]{x}} \right)$  | KI | AB   | S    | PLUS  |
| 5518 | 3579 | 2 |  | KI | ABI  | S    | MINUS |
| 5519 | 3580 | 1 | $\arcsin \left( \frac{1}{\sqrt[3]{x}\sqrt{y}} \right)$   | KI | AB   | S    | MINUS |

|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 5520 | 3580 | 2 |  | KI | ABI | S  | PLUS  |
| 5521 | 3581 | 1 | $\arctan\left(\frac{\sqrt{y}}{\sqrt[3]{x}}\right)$   | KI | AB  | T  | PLUS  |
| 5522 | 3581 | 2 |  | KI | ABI | T  | MINUS |
| 5523 | 3582 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x\sqrt{y}}}\right)$  | KI | AB  | T  | MINUS |
| 5524 | 3582 | 2 |  | KI | ABI | T  | PLUS  |
| 5525 | 3583 | 1 | $\sqrt{\frac{x^{2/3}-y}{x^{2/3}}}$   | KI | AB  | P  | PLUS  |
| 5526 | 3583 | 2 |  | KI | ABI | P  | MINUS |
| 5527 | 3584 | 1 | $\sqrt{\frac{x^{2/3}y-1}{x^{2/3}y}}$   | KI | AB  | P  | MINUS |
| 5528 | 3584 | 2 |  | KI | ABI | P  | PLUS  |
| 5529 | 3585 | 1 | $\sqrt{\frac{x^{2/3}+y}{x^{2/3}}}$   | KI | AB  | H  | PLUS  |
| 5530 | 3585 | 2 |  | KI | ABI | H  | MINUS |
| 5531 | 3586 | 1 | $\sqrt{\frac{x^{2/3}y+1}{x^{2/3}y}}$   | KI | AB  | H  | MINUS |
| 5532 | 3586 | 2 |  | KI | ABI | H  | PLUS  |
| 5533 | 3587 | 1 | $1/2 e^{\frac{\sqrt{y}}{\sqrt[3]{x}}} - 1/2 e^{-\frac{\sqrt{y}}{\sqrt[3]{x}}}$   | KI | AB  | SH | PLUS  |
| 5534 | 3587 | 2 |  | KI | ABI | SH | MINUS |
| 5535 | 3588 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x\sqrt{y}}}} - 1/2 e^{-\frac{1}{\sqrt[3]{x\sqrt{y}}}}$                                       | KI | AB  | SH | MINUS |
| 5536 | 3588 | 2 |  | KI | ABI | SH | PLUS  |
| 5537 | 3589 | 1 | $1/2 e^{\frac{\sqrt{y}}{\sqrt[3]{x}}} + 1/2 e^{-\frac{\sqrt{y}}{\sqrt[3]{x}}}$   | KI | AB  | CH | PLUS  |
| 5538 | 3589 | 2 |  | KI | ABI | CH | MINUS |
| 5539 | 3590 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x\sqrt{y}}}} + 1/2 e^{-\frac{1}{\sqrt[3]{x\sqrt{y}}}}$                                       | KI | AB  | CH | MINUS |
| 5540 | 3590 | 2 |  | KI | ABI | CH | PLUS  |
| 5541 | 3591 | 1 | $1 \left( e^{2 \frac{\sqrt{y}}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{\sqrt{y}}{\sqrt[3]{x}}} + 1 \right)^{-1}$   | KI | AB  | TH | PLUS  |
| 5542 | 3591 | 2 |  | KI | ABI | TH | MINUS |
| 5543 | 3592 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x\sqrt{y}}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x\sqrt{y}}}} + 1 \right)^{-1}$ | KI | AB  | TH | MINUS |
| 5544 | 3592 | 2 |  | KI | ABI | TH | PLUS  |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5545 | 3593 | 1 | $\frac{y^2\pi}{\sqrt[3]{x}}$                                       | KI | W | CDF  | PLUS  |
| 5546 | 3594 | 1 | $\frac{\pi}{\sqrt[3]{xy^2}}$                                       | KI | W | CDF  | MINUS |
| 5547 | 3595 | 1 | $\frac{\sqrt[3]{x}}{y^2\pi}$                                       | KI | W | CDIF | PLUS  |
| 5548 | 3596 | 1 | $\frac{\sqrt[3]{xy^2}}{\pi}$                                       | KI | W | CDIF | MINUS |
| 5549 | 3597 | 1 | $\sqrt{\frac{y^2}{\sqrt[3]{x}}}$                                   | KI | W | W    | PLUS  |
| 5550 | 3598 | 1 | $\sqrt{\frac{1}{\sqrt[3]{xy^2}}}$                                  | KI | W | W    | MINUS |
| 5551 | 3599 | 1 | $e^{\frac{y^2}{\sqrt[3]{x}}}$                                      | KI | W | LL   | PLUS  |
| 5552 | 3600 | 1 | $e^{\frac{1}{\sqrt[3]{xy^2}}}$                                     | KI | W | LL   | MINUS |
| 5553 | 3601 | 1 | $LOG\left(\frac{y^2}{\sqrt[3]{x}}\right)$                          | KI | W | L    | PLUS  |
| 5554 | 3602 | 1 | $LOG\left(\frac{1}{\sqrt[3]{xy^2}}\right)$                         | KI | W | L    | MINUS |
| 5555 | 3603 | 1 | $\arcsin\left(\frac{y^2}{\sqrt[3]{x}}\right)$                      | KI | W | S    | PLUS  |
| 5556 | 3604 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{xy^2}}\right)$                     | KI | W | S    | MINUS |
| 5557 | 3605 | 1 | $\arctan\left(\frac{y^2}{\sqrt[3]{x}}\right)$                      | KI | W | T    | PLUS  |
| 5558 | 3606 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{xy^2}}\right)$                     | KI | W | T    | MINUS |
| 5559 | 3607 | 1 | $\sqrt{\frac{-y^4+x^{2/3}}{x^{2/3}}}$                              | KI | W | P    | PLUS  |
| 5560 | 3608 | 1 | $\sqrt{\frac{x^{2/3}y^4-1}{x^{2/3}y^4}}$                           | KI | W | P    | MINUS |
| 5561 | 3609 | 1 | $\sqrt{\frac{y^4+x^{2/3}}{x^{2/3}}}$                               | KI | W | H    | PLUS  |
| 5562 | 3610 | 1 | $\sqrt{\frac{x^{2/3}y^4+1}{x^{2/3}y^4}}$                           | KI | W | H    | MINUS |
| 5563 | 3611 | 1 | $1/2e^{\frac{y^2}{\sqrt[3]{x}}} - 1/2e^{-\frac{y^2}{\sqrt[3]{x}}}$ | KI | W | SH   | PLUS  |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5564 | 3612 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{xy^2}}} - 1/2 e^{-\frac{1}{\sqrt[3]{xy^2}}}$                                       | KI | W  | SH   | MINUS |
| 5565 | 3613 | 1 | $1/2 e^{\frac{y^2}{\sqrt[3]{x}}} + 1/2 e^{-\frac{y^2}{\sqrt[3]{x}}}$   | KI | W  | CH   | PLUS  |
| 5566 | 3614 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{xy^2}}} + 1/2 e^{-\frac{1}{\sqrt[3]{xy^2}}}$                                       | KI | W  | CH   | MINUS |
| 5567 | 3615 | 1 | $1 \left( e^{2 \frac{y^2}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{y^2}{\sqrt[3]{x}}} + 1 \right)^{-1}$   | KI | W  | TH   | PLUS  |
| 5568 | 3616 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{xy^2}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{xy^2}}} + 1 \right)^{-1}$ | KI | W  | TH   | MINUS |
| 5569 | 3617 | 1 | $\frac{\sqrt[3]{y}\pi}{\sqrt[3]{x}}$   | KI | K  | CDF  | PLUS  |
| 5570 | 3617 | 2 |  | KI | KI | CDF  | MINUS |
| 5571 | 3618 | 1 | $\frac{\pi}{\sqrt[3]{x} \sqrt[3]{y}}$  | KI | K  | CDF  | MINUS |
| 5572 | 3618 | 2 |  | KI | KI | CDF  | PLUS  |
| 5573 | 3619 | 1 | $\frac{\sqrt[3]{x}}{\sqrt[3]{y}\pi}$   | KI | K  | CDIF | PLUS  |
| 5574 | 3619 | 2 |  | KI | KI | CDIF | MINUS |
| 5575 | 3620 | 1 | $\frac{\sqrt[3]{x} \sqrt[3]{y}}{\pi}$  | KI | K  | CDIF | MINUS |
| 5576 | 3620 | 2 |  | KI | KI | CDIF | PLUS  |
| 5577 | 3621 | 1 | $\sqrt{\frac{\sqrt[3]{y}}{\sqrt[3]{x}}}$   | KI | K  | W    | PLUS  |
| 5578 | 3621 | 2 |  | KI | KI | W    | MINUS |
| 5579 | 3622 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x} \sqrt[3]{y}}}$   | KI | K  | W    | MINUS |
| 5580 | 3622 | 2 |  | KI | KI | W    | PLUS  |
| 5581 | 3623 | 1 | $e^{\frac{\sqrt[3]{y}}{\sqrt[3]{x}}}$  | KI | K  | LL   | PLUS  |
| 5582 | 3623 | 2 |  | KI | KI | LL   | MINUS |
| 5583 | 3624 | 1 | $e^{\frac{1}{\sqrt[3]{x} \sqrt[3]{y}}}$  | KI | K  | LL   | MINUS |
| 5584 | 3624 | 2 |  | KI | KI | LL   | PLUS  |
| 5585 | 3625 | 1 | $LOG \left( \frac{\sqrt[3]{y}}{\sqrt[3]{x}} \right)$   | KI | K  | L    | PLUS  |
| 5586 | 3625 | 2 |  | KI | KI | L    | MINUS |
| 5587 | 3626 | 1 | $LOG \left( \frac{1}{\sqrt[3]{x} \sqrt[3]{y}} \right)$   | KI | K  | L    | MINUS |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 5588 | 3626 | 2 |  | KI | KI | L  | PLUS  |
| 5589 | 3627 | 1 | $\arcsin\left(\frac{\sqrt[3]{y}}{\sqrt[3]{x}}\right)$  | KI | K  | S  | PLUS  |
| 5590 | 3627 | 2 |  | KI | KI | S  | MINUS |
| 5591 | 3628 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}\right)$   | KI | K  | S  | MINUS |
| 5592 | 3628 | 2 |  | KI | KI | S  | PLUS  |
| 5593 | 3629 | 1 | $\arctan\left(\frac{\sqrt[3]{y}}{\sqrt[3]{x}}\right)$  | KI | K  | T  | PLUS  |
| 5594 | 3629 | 2 |  | KI | KI | T  | MINUS |
| 5595 | 3630 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}\right)$   | KI | K  | T  | MINUS |
| 5596 | 3630 | 2 |  | KI | KI | T  | PLUS  |
| 5597 | 3631 | 1 | $\sqrt{-\frac{y^{2/3}-x^{2/3}}{x^{2/3}}}$  | KI | K  | P  | PLUS  |
| 5598 | 3631 | 2 |  | KI | KI | P  | MINUS |
| 5599 | 3632 | 1 | $\sqrt{\frac{x^{2/3}y^{2/3}-1}{x^{2/3}y^{2/3}}}$   | KI | K  | P  | MINUS |
| 5600 | 3632 | 2 |  | KI | KI | P  | PLUS  |
| 5601 | 3633 | 1 | $\sqrt{\frac{y^{2/3}+x^{2/3}}{x^{2/3}}}$   | KI | K  | H  | PLUS  |
| 5602 | 3633 | 2 |  | KI | KI | H  | MINUS |
| 5603 | 3634 | 1 | $\sqrt{\frac{x^{2/3}y^{2/3}+1}{x^{2/3}y^{2/3}}}$   | KI | K  | H  | MINUS |
| 5604 | 3634 | 2 |  | KI | KI | H  | PLUS  |
| 5605 | 3635 | 1 | $1/2e^{\frac{\sqrt[3]{y}}{\sqrt[3]{x}}} - 1/2e^{-\frac{\sqrt[3]{y}}{\sqrt[3]{x}}}$                                 | KI | K  | SH | PLUS  |
| 5606 | 3635 | 2 |  | KI | KI | SH | MINUS |
| 5607 | 3636 | 1 | $1/2e^{\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}} - 1/2e^{-\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}}$                               | KI | K  | SH | MINUS |
| 5608 | 3636 | 2 |  | KI | KI | SH | PLUS  |
| 5609 | 3637 | 1 | $1/2e^{\frac{\sqrt[3]{y}}{\sqrt[3]{x}}} + 1/2e^{-\frac{\sqrt[3]{y}}{\sqrt[3]{x}}}$                                 | KI | K  | CH | PLUS  |
| 5610 | 3637 | 2 |  | KI | KI | CH | MINUS |
| 5611 | 3638 | 1 | $1/2e^{\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}} + 1/2e^{-\frac{1}{\sqrt[3]{x}\sqrt[3]{y}}}$                               | KI | K  | CH | MINUS |
| 5612 | 3638 | 2 |  | KI | KI | CH | PLUS  |
| 5613 | 3639 | 1 | $1\left(e^{2\frac{\sqrt[3]{y}}{\sqrt[3]{x}}} - 1\right)\left(e^{2\frac{\sqrt[3]{y}}{\sqrt[3]{x}}} + 1\right)^{-1}$ | KI | K  | TH | PLUS  |



|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5614 | 3639 | 2 |  | KI | KI | TH   | MINUS |
| 5615 | 3640 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x} \sqrt[3]{y}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x} \sqrt[3]{y}}} + 1 \right)^{-1}$ | KI | K  | TH   | MINUS |
| 5616 | 3640 | 2 |  | KI | KI | TH   | PLUS  |
| 5617 | 3641 | 1 | $\frac{\ln(y)\pi}{\sqrt[3]{x}}$  | KI | LL | CDF  | PLUS  |
| 5618 | 3642 | 1 | $\frac{\pi}{\sqrt[3]{x} \ln(y)}$   | KI | LL | CDF  | MINUS |
| 5619 | 3643 | 1 | $\frac{\sqrt[3]{x}}{\ln(y)\pi}$  | KI | LL | CDIF | PLUS  |
| 5620 | 3644 | 1 | $\frac{\sqrt[3]{x} \ln(y)}{\pi}$   | KI | LL | CDIF | MINUS |
| 5621 | 3645 | 1 | $\sqrt{\frac{\ln(y)}{\sqrt[3]{x}}}$  | KI | LL | W    | PLUS  |
| 5622 | 3646 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x} \ln(y)}}$  | KI | LL | W    | MINUS |
| 5623 | 3647 | 1 | $y^{\frac{1}{\sqrt[3]{x}}}$  | KI | LL | LL   | PLUS  |
| 5624 | 3648 | 1 | $e^{\frac{1}{\sqrt[3]{x} \ln(y)}}$   | KI | LL | LL   | MINUS |
| 5625 | 3649 | 1 | $LOG \left( \frac{\ln(y)}{\sqrt[3]{x}} \right)$  | KI | LL | L    | PLUS  |
| 5626 | 3650 | 1 | $LOG \left( \frac{1}{\sqrt[3]{x} \ln(y)} \right)$  | KI | LL | L    | MINUS |
| 5627 | 3651 | 1 | $\arcsin \left( \frac{\ln(y)}{\sqrt[3]{x}} \right)$  | KI | LL | S    | PLUS  |
| 5628 | 3652 | 1 | $\arcsin \left( \frac{1}{\sqrt[3]{x} \ln(y)} \right)$  | KI | LL | S    | MINUS |
| 5629 | 3653 | 1 | $\arctan \left( \frac{\ln(y)}{\sqrt[3]{x}} \right)$  | KI | LL | T    | PLUS  |
| 5630 | 3654 | 1 | $\arctan \left( \frac{1}{\sqrt[3]{x} \ln(y)} \right)$  | KI | LL | T    | MINUS |
| 5631 | 3655 | 1 | $\sqrt{-\frac{(\ln(y))^2 - x^{2/3}}{x^{2/3}}}$   | KI | LL | P    | PLUS  |
| 5632 | 3656 | 1 | $\sqrt{\frac{x^{2/3}(\ln(y))^2 - 1}{x^{2/3}(\ln(y))^2}}$   | KI | LL | P    | MINUS |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5633 | 3657 | 1 | $\sqrt{\frac{(\ln(y))^2 + x^{2/3}}{x^{2/3}}}$  | KI | LL | H    | PLUS  |
| 5634 | 3658 | 1 | $\sqrt{\frac{x^{2/3}(\ln(y))^2 + 1}{x^{2/3}(\ln(y))^2}}$   | KI | LL | H    | MINUS |
| 5635 | 3659 | 1 | $1/2 y^{\frac{1}{\sqrt[3]{x}}} - 1/2 y^{-\frac{1}{\sqrt[3]{x}}}$   | KI | LL | SH   | PLUS  |
| 5636 | 3660 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \ln(y)}} - 1/2 e^{-\frac{1}{\sqrt[3]{x} \ln(y)}}$                                       | KI | LL | SH   | MINUS |
| 5637 | 3661 | 1 | $1/2 y^{\frac{1}{\sqrt[3]{x}}} + 1/2 y^{-\frac{1}{\sqrt[3]{x}}}$   | KI | LL | CH   | PLUS  |
| 5638 | 3662 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \ln(y)}} + 1/2 e^{-\frac{1}{\sqrt[3]{x} \ln(y)}}$                                       | KI | LL | CH   | MINUS |
| 5639 | 3663 | 1 | $1 \left( y^{2 \frac{1}{\sqrt[3]{x}}} - 1 \right) \left( y^{2 \frac{1}{\sqrt[3]{x}}} + 1 \right)^{-1}$               | KI | LL | TH   | PLUS  |
| 5640 | 3664 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x} \ln(y)}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x} \ln(y)}} + 1 \right)^{-1}$ | KI | LL | TH   | MINUS |
| 5641 | 3665 | 1 | $\frac{EXP(y)\pi}{\sqrt[3]{x}}$  | KI | L  | CDF  | PLUS  |
| 5642 | 3666 | 1 | $\frac{\pi}{\sqrt[3]{x} EXP(y)}$   | KI | L  | CDF  | MINUS |
| 5643 | 3667 | 1 | $\frac{\sqrt[3]{x}}{EXP(y)\pi}$  | KI | L  | CDIF | PLUS  |
| 5644 | 3668 | 1 | $\frac{\sqrt[3]{x} EXP(y)}{\pi}$   | KI | L  | CDIF | MINUS |
| 5645 | 3669 | 1 | $\sqrt{\frac{EXP(y)}{\sqrt[3]{x}}}$  | KI | L  | W    | PLUS  |
| 5646 | 3670 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x} EXP(y)}}$  | KI | L  | W    | MINUS |
| 5647 | 3671 | 1 | $e^{\frac{EXP(y)}{\sqrt[3]{x}}}$   | KI | L  | LL   | PLUS  |
| 5648 | 3672 | 1 | $e^{\frac{1}{\sqrt[3]{x} EXP(y)}}$   | KI | L  | LL   | MINUS |
| 5649 | 3673 | 1 | $LOG \left( \frac{EXP(y)}{\sqrt[3]{x}} \right)$  | KI | L  | L    | PLUS  |
| 5650 | 3674 | 1 | $LOG \left( \frac{1}{\sqrt[3]{x} EXP(y)} \right)$  | KI | L  | L    | MINUS |
| 5651 | 3675 | 1 | $\arcsin \left( \frac{EXP(y)}{\sqrt[3]{x}} \right)$  | KI | L  | S    | PLUS  |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5652 | 3676 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x}EXP(y)}\right)$  | KI | L | S    | MINUS |
| 5653 | 3677 | 1 | $\arctan\left(\frac{EXP(y)}{\sqrt[3]{x}}\right)$   | KI | L | T    | PLUS  |
| 5654 | 3678 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x}EXP(y)}\right)$  | KI | L | T    | MINUS |
| 5655 | 3679 | 1 | $\sqrt{-\frac{(EXP(y))^2-x^{2/3}}{x^{2/3}}}$   | KI | L | P    | PLUS  |
| 5656 | 3680 | 1 | $\sqrt{\frac{x^{2/3}(EXP(y))^2-1}{x^{2/3}(EXP(y))^2}}$   | KI | L | P    | MINUS |
| 5657 | 3681 | 1 | $\sqrt{\frac{(EXP(y))^2+x^{2/3}}{x^{2/3}}}$  | KI | L | H    | PLUS  |
| 5658 | 3682 | 1 | $\sqrt{\frac{x^{2/3}(EXP(y))^2+1}{x^{2/3}(EXP(y))^2}}$   | KI | L | H    | MINUS |
| 5659 | 3683 | 1 | $1/2 e^{\frac{EXP(y)}{\sqrt[3]{x}}} - 1/2 e^{-\frac{EXP(y)}{\sqrt[3]{x}}}$                                 | KI | L | SH   | PLUS  |
| 5660 | 3684 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x}EXP(y)}} - 1/2 e^{-\frac{1}{\sqrt[3]{x}EXP(y)}}$                               | KI | L | SH   | MINUS |
| 5661 | 3685 | 1 | $1/2 e^{\frac{EXP(y)}{\sqrt[3]{x}}} + 1/2 e^{-\frac{EXP(y)}{\sqrt[3]{x}}}$                                 | KI | L | CH   | PLUS  |
| 5662 | 3686 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x}EXP(y)}} + 1/2 e^{-\frac{1}{\sqrt[3]{x}EXP(y)}}$                               | KI | L | CH   | MINUS |
| 5663 | 3687 | 1 | $1\left(e^{2\frac{EXP(y)}{\sqrt[3]{x}}} - 1\right)\left(e^{2\frac{EXP(y)}{\sqrt[3]{x}}} + 1\right)^{-1}$   | KI | L | TH   | PLUS  |
| 5664 | 3688 | 1 | $1\left(e^{2\frac{1}{\sqrt[3]{x}EXP(y)}} - 1\right)\left(e^{2\frac{1}{\sqrt[3]{x}EXP(y)}} + 1\right)^{-1}$ | KI | L | TH   | MINUS |
| 5665 | 3689 | 1 | $\frac{\sin(y)\pi}{\sqrt[3]{x}}$   | KI | S | CDF  | PLUS  |
| 5666 | 3690 | 1 | $\frac{\pi}{\sqrt[3]{x}\sin(y)}$   | KI | S | CDF  | MINUS |
| 5667 | 3691 | 1 | $\frac{\sqrt[3]{x}}{\sin(y)\pi}$   | KI | S | CDIF | PLUS  |
| 5668 | 3692 | 1 | $\frac{\sqrt[3]{x}\sin(y)}{\pi}$   | KI | S | CDIF | MINUS |
| 5669 | 3693 | 1 | $\sqrt{\frac{\sin(y)}{\sqrt[3]{x}}}$   | KI | S | W    | PLUS  |
| 5670 | 3694 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x}\sin(y)}}$  | KI | S | W    | MINUS |

|      |      |   |  |    |   |    |       |
|------|------|---|--|----|---|----|-------|
| 5671 | 3695 | 1 | $e^{\frac{\sin(y)}{\sqrt[3]{x}}}$  | KI | S | LL | PLUS  |
| 5672 | 3696 | 1 | $e^{\frac{1}{\sqrt[3]{x} \sin(y)}}$  | KI | S | LL | MINUS |
| 5673 | 3697 | 1 | $LOG\left(\frac{\sin(y)}{\sqrt[3]{x}}\right)$  | KI | S | L  | PLUS  |
| 5674 | 3698 | 1 | $LOG\left(\frac{1}{\sqrt[3]{x} \sin(y)}\right)$  | KI | S | L  | MINUS |
| 5675 | 3699 | 1 | $\arcsin\left(\frac{\sin(y)}{\sqrt[3]{x}}\right)$  | KI | S | S  | PLUS  |
| 5676 | 3700 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x} \sin(y)}\right)$  | KI | S | S  | MINUS |
| 5677 | 3701 | 1 | $\arctan\left(\frac{\sin(y)}{\sqrt[3]{x}}\right)$  | KI | S | T  | PLUS  |
| 5678 | 3702 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x} \sin(y)}\right)$  | KI | S | T  | MINUS |
| 5679 | 3703 | 1 | $\sqrt{\frac{(\cos(y))^2 - 1 + x^{2/3}}{x^{2/3}}}$   | KI | S | P  | PLUS  |
| 5680 | 3704 | 1 | $\sqrt{\frac{x^{2/3}(\sin(y))^2 - 1}{x^{2/3}(\sin(y))^2}}$   | KI | S | P  | MINUS |
| 5681 | 3705 | 1 | $\sqrt{-\frac{(\cos(y))^2 - x^{2/3} - 1}{x^{2/3}}}$  | KI | S | H  | PLUS  |
| 5682 | 3706 | 1 | $\sqrt{\frac{x^{2/3}(\sin(y))^2 + 1}{x^{2/3}(\sin(y))^2}}$   | KI | S | H  | MINUS |
| 5683 | 3707 | 1 | $1/2 e^{\frac{\sin(y)}{\sqrt[3]{x}}} - 1/2 e^{-\frac{\sin(y)}{\sqrt[3]{x}}}$   | KI | S | SH | PLUS  |
| 5684 | 3708 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \sin(y)}} - 1/2 e^{-\frac{1}{\sqrt[3]{x} \sin(y)}}$                                       | KI | S | SH | MINUS |
| 5685 | 3709 | 1 | $1/2 e^{\frac{\sin(y)}{\sqrt[3]{x}}} + 1/2 e^{-\frac{\sin(y)}{\sqrt[3]{x}}}$   | KI | S | CH | PLUS  |
| 5686 | 3710 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \sin(y)}} + 1/2 e^{-\frac{1}{\sqrt[3]{x} \sin(y)}}$                                       | KI | S | CH | MINUS |
| 5687 | 3711 | 1 | $1 \left( e^{2 \frac{\sin(y)}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{\sin(y)}{\sqrt[3]{x}}} + 1 \right)^{-1}$     | KI | S | TH | PLUS  |
| 5688 | 3712 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x} \sin(y)}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x} \sin(y)}} + 1 \right)^{-1}$ | KI | S | TH | MINUS |

|      |      |   |   |    |   |      |       |
|------|------|---|---|----|---|------|-------|
| 5689 | 3713 | 1 | $\frac{\tan(y)\pi}{\sqrt[3]{x}}$                                      | KI | T | CDF  | PLUS  |
| 5690 | 3714 | 1 | $\frac{\pi}{\sqrt[3]{x}\tan(y)}$                                      | KI | T | CDF  | MINUS |
| 5691 | 3715 | 1 | $\frac{\sqrt[3]{x}}{\tan(y)\pi}$                                      | KI | T | CDIF | PLUS  |
| 5692 | 3716 | 1 | $\frac{\sqrt[3]{x}\tan(y)}{\pi}$                                      | KI | T | CDIF | MINUS |
| 5693 | 3717 | 1 | $\sqrt{\frac{\tan(y)}{\sqrt[3]{x}}}$                                  | KI | T | W    | PLUS  |
| 5694 | 3718 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x}\tan(y)}}$                                 | KI | T | W    | MINUS |
| 5695 | 3719 | 1 | $e^{\frac{\tan(y)}{\sqrt[3]{x}}}$                                     | KI | T | LL   | PLUS  |
| 5696 | 3720 | 1 | $e^{\frac{1}{\sqrt[3]{x}\tan(y)}}$                                    | KI | T | LL   | MINUS |
| 5697 | 3721 | 1 | $LOG\left(\frac{\tan(y)}{\sqrt[3]{x}}\right)$                         | KI | T | L    | PLUS  |
| 5698 | 3722 | 1 | $LOG\left(\frac{1}{\sqrt[3]{x}\tan(y)}\right)$                        | KI | T | L    | MINUS |
| 5699 | 3723 | 1 | $\arcsin\left(\frac{\tan(y)}{\sqrt[3]{x}}\right)$                     | KI | T | S    | PLUS  |
| 5700 | 3724 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x}\tan(y)}\right)$                    | KI | T | S    | MINUS |
| 5701 | 3725 | 1 | $\arctan\left(\frac{\tan(y)}{\sqrt[3]{x}}\right)$                     | KI | T | T    | PLUS  |
| 5702 | 3726 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x}\tan(y)}\right)$                    | KI | T | T    | MINUS |
| 5703 | 3727 | 1 | $\sqrt{\frac{x^{2/3}(\cos(y))^2+(\cos(y))^2-1}{x^{2/3}(\cos(y))^2}}$  | KI | T | P    | PLUS  |
| 5704 | 3728 | 1 | $\sqrt{\frac{x^{2/3}(\tan(y))^2-1}{x^{2/3}(\tan(y))^2}}$              | KI | T | P    | MINUS |
| 5705 | 3729 | 1 | $\sqrt{\frac{-(\cos(y))^2+1+x^{2/3}(\cos(y))^2}{x^{2/3}(\cos(y))^2}}$ | KI | T | H    | PLUS  |
| 5706 | 3730 | 1 | $\sqrt{\frac{x^{2/3}(\tan(y))^2+1}{x^{2/3}(\tan(y))^2}}$              | KI | T | H    | MINUS |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5707 | 3731 | 1 | $1/2 e^{\frac{\tan(y)}{\sqrt[3]{x}}} - 1/2 e^{-\frac{\tan(y)}{\sqrt[3]{x}}}$   | KI | T | SH   | PLUS  |
| 5708 | 3732 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \tan(y)}} - 1/2 e^{-\frac{1}{\sqrt[3]{x} \tan(y)}}$                                       | KI | T | SH   | MINUS |
| 5709 | 3733 | 1 | $1/2 e^{\frac{\tan(y)}{\sqrt[3]{x}}} + 1/2 e^{-\frac{\tan(y)}{\sqrt[3]{x}}}$   | KI | T | CH   | PLUS  |
| 5710 | 3734 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \tan(y)}} + 1/2 e^{-\frac{1}{\sqrt[3]{x} \tan(y)}}$                                       | KI | T | CH   | MINUS |
| 5711 | 3735 | 1 | $1 \left( e^{2 \frac{\tan(y)}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{\tan(y)}{\sqrt[3]{x}}} + 1 \right)^{-1}$     | KI | T | TH   | PLUS  |
| 5712 | 3736 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x} \tan(y)}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x} \tan(y)}} + 1 \right)^{-1}$ | KI | T | TH   | MINUS |
| 5713 | 3737 | 1 | $\frac{\sqrt{-y^2+1}\pi}{\sqrt[3]{x}}$   | KI | P | CDF  | PLUS  |
| 5714 | 3738 | 1 | $\frac{\pi}{\sqrt[3]{x}\sqrt{-y^2+1}}$   | KI | P | CDF  | MINUS |
| 5715 | 3739 | 1 | $\frac{\sqrt[3]{x}}{\sqrt{-y^2+1}\pi}$   | KI | P | CDIF | PLUS  |
| 5716 | 3740 | 1 | $\frac{\sqrt[3]{x}\sqrt{-y^2+1}}{\pi}$   | KI | P | CDIF | MINUS |
| 5717 | 3741 | 1 | $\sqrt{\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}}$   | KI | P | W    | PLUS  |
| 5718 | 3742 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}}$  | KI | P | W    | MINUS |
| 5719 | 3743 | 1 | $e^{\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}}$  | KI | P | LL   | PLUS  |
| 5720 | 3744 | 1 | $e^{\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}}$   | KI | P | LL   | MINUS |
| 5721 | 3745 | 1 | $LOG \left( \frac{\sqrt{-y^2+1}}{\sqrt[3]{x}} \right)$   | KI | P | L    | PLUS  |
| 5722 | 3746 | 1 | $LOG \left( \frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}} \right)$  | KI | P | L    | MINUS |
| 5723 | 3747 | 1 | $\arcsin \left( \frac{\sqrt{-y^2+1}}{\sqrt[3]{x}} \right)$   | KI | P | S    | PLUS  |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5724 | 3748 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}\right)$   | KI | P | S    | MINUS |
| 5725 | 3749 | 1 | $\arctan\left(\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}\right)$  | KI | P | T    | PLUS  |
| 5726 | 3750 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}\right)$   | KI | P | T    | MINUS |
| 5727 | 3751 | 1 | $\sqrt{\frac{x^{2/3}+y^2-1}{x^{2/3}}}$   | KI | P | P    | PLUS  |
| 5728 | 3751 | 2 |  | KI | H | H    | PLUS  |
| 5729 | 3752 | 1 | $\sqrt{\frac{x^{2/3}y^2-x^{2/3}+1}{x^{2/3}(y^2-1)}}$   | KI | P | P    | MINUS |
| 5730 | 3752 | 2 |  | KI | H | H    | MINUS |
| 5731 | 3753 | 1 | $\sqrt{\frac{x^{2/3}-y^2+1}{x^{2/3}}}$   | KI | P | H    | PLUS  |
| 5732 | 3753 | 2 |  | KI | H | P    | PLUS  |
| 5733 | 3754 | 1 | $\sqrt{\frac{x^{2/3}y^2-x^{2/3}-1}{x^{2/3}(y^2-1)}}$   | KI | P | H    | MINUS |
| 5734 | 3754 | 2 |  | KI | H | P    | MINUS |
| 5735 | 3755 | 1 | $1/2 e^{\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}} - 1/2 e^{-\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}}$   | KI | P | SH   | PLUS  |
| 5736 | 3756 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}} - 1/2 e^{-\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}}$                                       | KI | P | SH   | MINUS |
| 5737 | 3757 | 1 | $1/2 e^{\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}} + 1/2 e^{-\frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}}$   | KI | P | CH   | PLUS  |
| 5738 | 3758 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}} + 1/2 e^{-\frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}}$                                       | KI | P | CH   | MINUS |
| 5739 | 3759 | 1 | $1 \left( e^{2 \frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}} - 1 \right) \left( e^{2 \frac{\sqrt{-y^2+1}}{\sqrt[3]{x}}} + 1 \right)^{-1}$   | KI | P | TH   | PLUS  |
| 5740 | 3760 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x}\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | KI | P | TH   | MINUS |
| 5741 | 3761 | 1 | $\frac{\sqrt{y^2-1}\pi}{\sqrt[3]{x}}$  | KI | H | CDF  | PLUS  |
| 5742 | 3762 | 1 | $\frac{\pi}{\sqrt[3]{x}\sqrt{y^2-1}}$  | KI | H | CDF  | MINUS |
| 5743 | 3763 | 1 | $\frac{\sqrt[3]{x}}{\sqrt{y^2-1}\pi}$  | KI | H | CDIF | PLUS  |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 5744 | 3764 | 1 | $\frac{\sqrt[3]{x}\sqrt{y^2-1}}{\pi}$  | KI | H | CDIF | MINUS |
| 5745 | 3765 | 1 | $\sqrt{\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}}$  | KI | H | W    | PLUS  |
| 5746 | 3766 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}}$   | KI | H | W    | MINUS |
| 5747 | 3767 | 1 | $e^{\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}}$   | KI | H | LL   | PLUS  |
| 5748 | 3768 | 1 | $e^{\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}}$  | KI | H | LL   | MINUS |
| 5749 | 3769 | 1 | $LOG\left(\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}\right)$   | KI | H | L    | PLUS  |
| 5750 | 3770 | 1 | $LOG\left(\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}\right)$  | KI | H | L    | MINUS |
| 5751 | 3771 | 1 | $\arcsin\left(\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}\right)$   | KI | H | S    | PLUS  |
| 5752 | 3772 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}\right)$  | KI | H | S    | MINUS |
| 5753 | 3773 | 1 | $\arctan\left(\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}\right)$   | KI | H | T    | PLUS  |
| 5754 | 3774 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}\right)$  | KI | H | T    | MINUS |
| 5755 | 3775 | 1 | $1/2 e^{\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}} - 1/2 e^{-\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}}$                               | KI | H | SH   | PLUS  |
| 5756 | 3776 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}} - 1/2 e^{-\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}}$                             | KI | H | SH   | MINUS |
| 5757 | 3777 | 1 | $1/2 e^{\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}} + 1/2 e^{-\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}}$                               | KI | H | CH   | PLUS  |
| 5758 | 3778 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}} + 1/2 e^{-\frac{1}{\sqrt[3]{x}\sqrt{y^2-1}}}$                             | KI | H | CH   | MINUS |
| 5759 | 3779 | 1 | $1\left(e^{2\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}} - 1\right)\left(e^{2\frac{\sqrt{y^2-1}}{\sqrt[3]{x}}} + 1\right)^{-1}$ | KI | H | TH   | PLUS  |



|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5760 | 3780 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x}\sqrt{y^2+1}}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x}\sqrt{y^2+1}}} + 1 \right)^{-1}$ | KI | H  | TH   | MINUS |
| 5761 | 3781 | 1 | $\frac{\ln(y+\sqrt{y^2+1})\pi}{\sqrt[3]{x}}$   | KI | SH | CDF  | PLUS  |
| 5762 | 3782 | 1 | $\frac{\pi}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}$  | KI | SH | CDF  | MINUS |
| 5763 | 3783 | 1 | $\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2+1})\pi}$   | KI | SH | CDIF | PLUS  |
| 5764 | 3784 | 1 | $\frac{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}{\pi}$  | KI | SH | CDIF | MINUS |
| 5765 | 3785 | 1 | $\sqrt{\frac{\ln(y+\sqrt{y^2+1})}{\sqrt[3]{x}}}$   | KI | SH | W    | PLUS  |
| 5766 | 3786 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}}$   | KI | SH | W    | MINUS |
| 5767 | 3787 | 1 | $(y + \sqrt{y^2 + 1})^{\frac{1}{\sqrt[3]{x}}}$   | KI | SH | LL   | PLUS  |
| 5768 | 3788 | 1 | $e^{\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}}$  | KI | SH | LL   | MINUS |
| 5769 | 3789 | 1 | $LOG \left( \frac{\ln(y+\sqrt{y^2+1})}{\sqrt[3]{x}} \right)$   | KI | SH | L    | PLUS  |
| 5770 | 3790 | 1 | $LOG \left( \frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})} \right)$   | KI | SH | L    | MINUS |
| 5771 | 3791 | 1 | $\arcsin \left( \frac{\ln(y+\sqrt{y^2+1})}{\sqrt[3]{x}} \right)$   | KI | SH | S    | PLUS  |
| 5772 | 3792 | 1 | $\arcsin \left( \frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})} \right)$   | KI | SH | S    | MINUS |
| 5773 | 3793 | 1 | $\arctan \left( \frac{\ln(y+\sqrt{y^2+1})}{\sqrt[3]{x}} \right)$   | KI | SH | T    | PLUS  |
| 5774 | 3794 | 1 | $\arctan \left( \frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})} \right)$   | KI | SH | T    | MINUS |
| 5775 | 3795 | 1 | $\sqrt{-\frac{(\ln(y+\sqrt{y^2+1}))^2 - x^{2/3}}{x^{2/3}}}$  | KI | SH | P    | PLUS  |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 5776 | 3796 | 1 | $\sqrt{\frac{x^{2/3}(\ln(y+\sqrt{y^2+1}))^2-1}{x^{2/3}(\ln(y+\sqrt{y^2+1}))^2}}$   | KI | SH | P    | MINUS |
| 5777 | 3797 | 1 | $\sqrt{\frac{(\ln(y+\sqrt{y^2+1}))^2+x^{2/3}}{x^{2/3}}}$   | KI | SH | H    | PLUS  |
| 5778 | 3798 | 1 | $\sqrt{\frac{x^{2/3}(\ln(y+\sqrt{y^2+1}))^2+1}{x^{2/3}(\ln(y+\sqrt{y^2+1}))^2}}$   | KI | SH | H    | MINUS |
| 5779 | 3799 | 1 | $1/2 \left(y + \sqrt{y^2+1}\right)^{\frac{1}{\sqrt[3]{x}}} - 1/2 \left(y + \sqrt{y^2+1}\right)^{-\frac{1}{\sqrt[3]{x}}}$                                     | SH | SH |      | PLUS  |
| 5780 | 3800 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}} - 1/2 e^{-\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}}$   | KI | SH | SH   | MINUS |
| 5781 | 3801 | 1 | $1/2 \left(y + \sqrt{y^2+1}\right)^{\frac{1}{\sqrt[3]{x}}} + 1/2 \left(y + \sqrt{y^2+1}\right)^{-\frac{1}{\sqrt[3]{x}}}$                                     | SH | CH |      | PLUS  |
| 5782 | 3802 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}} + 1/2 e^{-\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}}$   | KI | SH | CH   | MINUS |
| 5783 | 3803 | 1 | $1 \left( \left(y + \sqrt{y^2+1}\right)^{2\frac{1}{\sqrt[3]{x}}} - 1 \right) \left( \left(y + \sqrt{y^2+1}\right)^{2\frac{1}{\sqrt[3]{x}}} + 1 \right)^{-1}$ | SH | TH |      | PLUS  |
| 5784 | 3804 | 1 | $1 \left( e^{2\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}} - 1 \right) \left( e^{2\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2+1})}} + 1 \right)^{-1}$                 | SH | TH |      | MINUS |
| 5785 | 3805 | 1 | $\frac{\ln(y+\sqrt{y^2-1})\pi}{\sqrt[3]{x}}$   | KI | CH | CDF  | PLUS  |
| 5786 | 3806 | 1 | $\frac{\pi}{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}$  | KI | CH | CDF  | MINUS |
| 5787 | 3807 | 1 | $\frac{\sqrt[3]{x}}{\ln(y+\sqrt{y^2-1})\pi}$   | KI | CH | CDIF | PLUS  |
| 5788 | 3808 | 1 | $\frac{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}{\pi}$  | KI | CH | CDIF | MINUS |
| 5789 | 3809 | 1 | $\sqrt{\frac{\ln(y+\sqrt{y^2-1})}{\sqrt[3]{x}}}$   | KI | CH | W    | PLUS  |
| 5790 | 3810 | 1 | $\sqrt{\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}}$   | KI | CH | W    | MINUS |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 5791 | 3811 | 1 | $\left(y + \sqrt{y^2 - 1}\right)^{\frac{1}{\sqrt[3]{x}}}$  | KI | CH | LL | PLUS  |
| 5792 | 3812 | 1 | $e^{\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}}$  | KI | CH | LL | MINUS |
| 5793 | 3813 | 1 | $LOG\left(\frac{\ln(y + \sqrt{y^2 - 1})}{\sqrt[3]{x}}\right)$  | KI | CH | L  | PLUS  |
| 5794 | 3814 | 1 | $LOG\left(\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}\right)$  | KI | CH | L  | MINUS |
| 5795 | 3815 | 1 | $\arcsin\left(\frac{\ln(y + \sqrt{y^2 - 1})}{\sqrt[3]{x}}\right)$  | KI | CH | S  | PLUS  |
| 5796 | 3816 | 1 | $\arcsin\left(\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}\right)$  | KI | CH | S  | MINUS |
| 5797 | 3817 | 1 | $\arctan\left(\frac{\ln(y + \sqrt{y^2 - 1})}{\sqrt[3]{x}}\right)$  | KI | CH | T  | PLUS  |
| 5798 | 3818 | 1 | $\arctan\left(\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}\right)$  | KI | CH | T  | MINUS |
| 5799 | 3819 | 1 | $\sqrt{-\frac{(\ln(y + \sqrt{y^2 - 1}))^2 - x^{2/3}}{x^{2/3}}}$  | KI | CH | P  | PLUS  |
| 5800 | 3820 | 1 | $\sqrt{\frac{x^{2/3}(\ln(y + \sqrt{y^2 - 1}))^2 - 1}{x^{2/3}(\ln(y + \sqrt{y^2 - 1}))^2}}$                                   | KI | CH | P  | MINUS |
| 5801 | 3821 | 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 + x^{2/3}}{x^{2/3}}}$   | KI | CH | H  | PLUS  |
| 5802 | 3822 | 1 | $\sqrt{\frac{x^{2/3}(\ln(y + \sqrt{y^2 - 1}))^2 + 1}{x^{2/3}(\ln(y + \sqrt{y^2 - 1}))^2}}$                                   | KI | CH | H  | MINUS |
| 5803 | 3823 | 1 | $1/2 \left(y + \sqrt{y^2 - 1}\right)^{\frac{1}{\sqrt[3]{x}}} - 1/2 \left(y + \sqrt{y^2 - 1}\right)^{-\frac{1}{\sqrt[3]{x}}}$ | KI | CH | SH | PLUS  |
| 5804 | 3824 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}} - 1/2 e^{-\frac{1}{\sqrt[3]{x} \ln(y + \sqrt{y^2 - 1})}}$             | KI | CH | SH | MINUS |
| 5805 | 3825 | 1 | $1/2 \left(y + \sqrt{y^2 - 1}\right)^{\frac{1}{\sqrt[3]{x}}} + 1/2 \left(y + \sqrt{y^2 - 1}\right)^{-\frac{1}{\sqrt[3]{x}}}$ | KI | CH | CH | PLUS  |

|      |      |   |   |    |      |       |       |
|------|------|---|---|----|------|-------|-------|
| 5806 | 3826 | 1 | $1/2 e^{\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}} + 1/2 e^{-\frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}}$  | KI | CH   | CH    | MINUS |
| 5807 | 3827 | 1 | $1 \left( \left( (y + \sqrt{y^2-1})^{2 \frac{1}{\sqrt[3]{x}}} - 1 \right) \left( (y + \sqrt{y^2-1})^{2 \frac{1}{\sqrt[3]{x}}} + 1 \right) \right)^{-1}$ | TH | PLUS |       |       |
| 5808 | 3828 | 1 | $1 \left( e^{2 \frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}} - 1 \right) \left( e^{2 \frac{1}{\sqrt[3]{x} \ln(y+\sqrt{y^2-1})}} + 1 \right)^{-1}$          | CH | TH   | MINUS |       |
| 5809 | 3829 | 1 | $1/2 \frac{\pi}{\sqrt[3]{x}} \ln \left( \frac{-y-1}{y-1} \right)$   | KI | TH   | CDF   | PLUS  |
| 5810 | 3830 | 1 | $2 \frac{\pi}{\sqrt[3]{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | KI | TH   | CDF   | MINUS |
| 5811 | 3831 | 1 | $2 \frac{\sqrt[3]{x}}{\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | KI | TH   | CDIF  | PLUS  |
| 5812 | 3832 | 1 | $1/2 \frac{\sqrt[3]{x}}{\pi} \ln \left( \frac{-y-1}{y-1} \right)$   | KI | TH   | CDIF  | MINUS |
| 5813 | 3833 | 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sqrt[3]{x}} \ln \left( \frac{-y-1}{y-1} \right)}$   | KI | TH   | W     | PLUS  |
| 5814 | 3834 | 1 | $\sqrt{2} \sqrt{\frac{1}{\sqrt[3]{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | KI | TH   | W     | MINUS |
| 5815 | 3835 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \frac{1}{\sqrt[3]{x}}}$   | KI | TH   | LL    | PLUS  |
| 5816 | 3836 | 1 | $e^{2 \frac{1}{\sqrt[3]{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$   | KI | TH   | LL    | MINUS |
| 5817 | 3837 | 1 | $LOG \left( 1/2 \frac{1}{\sqrt[3]{x}} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | KI | TH   | L     | PLUS  |
| 5818 | 3838 | 1 | $LOG \left( 2 \frac{1}{\sqrt[3]{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | KI | TH   | L     | MINUS |
| 5819 | 3839 | 1 | $\arcsin \left( 1/2 \frac{1}{\sqrt[3]{x}} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | KI | TH   | S     | PLUS  |
| 5820 | 3840 | 1 | $\arcsin \left( 2 \frac{1}{\sqrt[3]{x}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | KI | TH   | S     | MINUS |
| 5821 | 3841 | 1 | $\arctan \left( 1/2 \frac{1}{\sqrt[3]{x}} \ln \left( \frac{-y-1}{y-1} \right) \right)$  | KI | TH   | T     | PLUS  |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 5822 | 3842 | 1 | $\arctan\left(2\frac{1}{\sqrt[3]{x}}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | KI | TH   | T    | MINUS |
| 5823 | 3843 | 1 | $1/2\sqrt{\frac{1}{x^{2/3}}\left(-\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4x^{2/3}\right)}$  | KI | TH   | P    | PLUS  |
| 5824 | 3844 | 1 | $\sqrt{\frac{1}{x^{2/3}}\left(x^{2/3}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2-4\right)}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$  | KI | TH   | P    | MINUS |
| 5825 | 3845 | 1 | $1/2\sqrt{\frac{1}{x^{2/3}}\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4x^{2/3}\right)}$   | KI | TH   | H    | PLUS  |
| 5826 | 3846 | 1 | $\sqrt{\frac{1}{x^{2/3}}\left(x^{2/3}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4\right)}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$  | KI | TH   | H    | MINUS |
| 5827 | 3847 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2}\frac{1}{\sqrt[3]{x}}-1/2\left(\frac{-y-1}{y-1}\right)^{-1/2}\frac{1}{\sqrt[3]{x}}$   | KI | TH   | SH   | PLUS  |
| 5828 | 3848 | 1 | $1/2e^{2\frac{1}{\sqrt[3]{x}}(\ln(\frac{-y-1}{y-1}))^{-1}}-1/2e^{-2\frac{1}{\sqrt[3]{x}}(\ln(\frac{-y-1}{y-1}))^{-1}}$   | KI | TH   | SH   | MINUS |
| 5829 | 3849 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2}\frac{1}{\sqrt[3]{x}}+1/2\left(\frac{-y-1}{y-1}\right)^{-1/2}\frac{1}{\sqrt[3]{x}}$   | KI | TH   | CH   | PLUS  |
| 5830 | 3850 | 1 | $1/2e^{2\frac{1}{\sqrt[3]{x}}(\ln(\frac{-y-1}{y-1}))^{-1}}+1/2e^{-2\frac{1}{\sqrt[3]{x}}(\ln(\frac{-y-1}{y-1}))^{-1}}$   | KI | TH   | CH   | MINUS |
| 5831 | 3851 | 1 | $1\left(\left(\frac{-y-1}{y-1}\right)^{1/2}\frac{1}{\sqrt[3]{x}}-\left(\frac{-y-1}{y-1}\right)^{-1/2}\frac{1}{\sqrt[3]{x}}\right)\left(\left(\frac{-y-1}{y-1}\right)^{1/2}\frac{1}{\sqrt[3]{x}}\right)^{-1/2}\frac{1}{\sqrt[3]{x}}\left(\frac{-y-1}{y-1}\right)^{-1/2}\frac{1}{\sqrt[3]{x}}\right)^{-1}$ | KI | TH   | TH   | PLUS  |
| 5832 | 3852 | 1 | $1\left(e^{4\frac{1}{\sqrt[3]{x}}(\ln(\frac{-y-1}{y-1}))^{-1}}-1\right)\left(e^{4\frac{1}{\sqrt[3]{x}}(\ln(\frac{-y-1}{y-1}))^{-1}}-1\right)^{-1}$   | KI | TH   | TH   | MINUS |
| 5833 | 3853 | 1 | $\ln(x)y$  | LL | CD   | CD   | PLUS  |
| 5834 | 3853 | 2 |  | LL | CDI  | CD   | MINUS |
| 5835 | 3853 | 3 |  | LL | CDF  | CDF  | PLUS  |
| 5836 | 3854 | 1 | $\frac{\ln(x)}{y}$   | LL | CD   | CD   | MINUS |
| 5837 | 3854 | 2 |  | LL | CDI  | CD   | PLUS  |
| 5838 | 3854 | 3 |  | LL | CDIF | CDF  | PLUS  |
| 5839 | 3855 | 1 | $\frac{1}{\ln(x)y}$  | LL | CD   | CDI  | PLUS  |
| 5840 | 3855 | 2 |  | LL | CDI  | CDI  | MINUS |
| 5841 | 3855 | 3 |  | LL | CDF  | CDIF | PLUS  |

|      |      |   |                            |    |      |      |       |
|------|------|---|----------------------------|----|------|------|-------|
| 5842 | 3856 | 1 | $\frac{y}{\ln(x)}$         | LL | CD   | CDI  | MINUS |
| 5843 | 3856 | 2 |                            | LL | CDI  | CDI  | PLUS  |
| 5844 | 3856 | 3 |                            | LL | CDIF | CDIF | PLUS  |
| 5845 | 3857 | 1 | $\ln(x) y \pi$             | LL | CD   | CDF  | PLUS  |
| 5846 | 3857 | 2 |                            | LL | CDI  | CDF  | MINUS |
| 5847 | 3857 | 3 |                            | LL | CDIF | CD   | MINUS |
| 5848 | 3858 | 1 | $\frac{\ln(x)\pi}{y}$      | LL | CD   | CDF  | MINUS |
| 5849 | 3858 | 2 |                            | LL | CDI  | CDF  | PLUS  |
| 5850 | 3858 | 3 |                            | LL | CDF  | CD   | MINUS |
| 5851 | 3859 | 1 | $\frac{1}{\ln(x)y\pi}$     | LL | CD   | CDIF | PLUS  |
| 5852 | 3859 | 2 |                            | LL | CDI  | CDIF | MINUS |
| 5853 | 3859 | 3 |                            | LL | CDIF | CDI  | MINUS |
| 5854 | 3860 | 1 | $\frac{y}{\ln(x)\pi}$      | LL | CD   | CDIF | MINUS |
| 5855 | 3860 | 2 |                            | LL | CDI  | CDIF | PLUS  |
| 5856 | 3860 | 3 |                            | LL | CDF  | CDI  | MINUS |
| 5857 | 3861 | 1 | $(\ln(x))^2 y^2$           | LL | CD   | AB   | PLUS  |
| 5858 | 3861 | 2 |                            | LL | CDI  | AB   | MINUS |
| 5859 | 3862 | 1 | $\frac{(\ln(x))^2}{y^2}$   | LL | CD   | AB   | MINUS |
| 5860 | 3862 | 2 |                            | LL | CDI  | AB   | PLUS  |
| 5861 | 3863 | 1 | $\sqrt{\ln(x) y}$          | LL | CD   | W    | PLUS  |
| 5862 | 3863 | 2 |                            | LL | CDI  | W    | MINUS |
| 5863 | 3864 | 1 | $\sqrt{\frac{\ln(x)}{y}}$  | LL | CD   | W    | MINUS |
| 5864 | 3864 | 2 |                            | LL | CDI  | W    | PLUS  |
| 5865 | 3865 | 1 | $\frac{1}{(\ln(x))^2 y^2}$ | LL | CD   | ABI  | PLUS  |
| 5866 | 3865 | 2 |                            | LL | CDI  | ABI  | MINUS |
| 5867 | 3866 | 1 | $\frac{y^2}{(\ln(x))^2}$   | LL | CD   | ABI  | MINUS |
| 5868 | 3866 | 2 |                            | LL | CDI  | ABI  | PLUS  |
| 5869 | 3867 | 1 | $(\ln(x))^3 y^3$           | LL | CD   | K    | PLUS  |
| 5870 | 3867 | 2 |                            | LL | CDI  | K    | MINUS |
| 5871 | 3868 | 1 | $\frac{(\ln(x))^3}{y^3}$   | LL | CD   | K    | MINUS |

|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 5872 | 3868 | 2 |  | LL | CDI | K  | PLUS  |
| 5873 | 3869 | 1 | $\frac{1}{(\ln(x))^3 y^3}$             | LL | CD  | KI | PLUS  |
| 5874 | 3869 | 2 |  | LL | CDI | KI | MINUS |
| 5875 | 3870 | 1 | $\frac{y^3}{(\ln(x))^3}$               | LL | CD  | KI | MINUS |
| 5876 | 3870 | 2 |  | LL | CDI | KI | PLUS  |
| 5877 | 3871 | 1 | $x^y$                                  | LL | CD  | LL | PLUS  |
| 5878 | 3871 | 2 |  | LL | CDI | LL | MINUS |
| 5879 | 3872 | 1 | $\sqrt[y]{x}$                          | LL | CD  | LL | MINUS |
| 5880 | 3872 | 2 |  | LL | CDI | LL | PLUS  |
| 5881 | 3873 | 1 | $LOG(\ln(x) y)$                        | LL | CD  | L  | PLUS  |
| 5882 | 3873 | 2 |  | LL | CDI | L  | MINUS |
| 5883 | 3874 | 1 | $LOG\left(\frac{\ln(x)}{y}\right)$     | LL | CD  | L  | MINUS |
| 5884 | 3874 | 2 |  | LL | CDI | L  | PLUS  |
| 5885 | 3875 | 1 | $\arcsin(\ln(x) y)$                    | LL | CD  | S  | PLUS  |
| 5886 | 3875 | 2 |  | LL | CDI | S  | MINUS |
| 5887 | 3876 | 1 | $\arcsin\left(\frac{\ln(x)}{y}\right)$ | LL | CD  | S  | MINUS |
| 5888 | 3876 | 2 |  | LL | CDI | S  | PLUS  |
| 5889 | 3877 | 1 | $\arctan(\ln(x) y)$                    | LL | CD  | T  | PLUS  |
| 5890 | 3877 | 2 |  | LL | CDI | T  | MINUS |
| 5891 | 3878 | 1 | $\arctan\left(\frac{\ln(x)}{y}\right)$ | LL | CD  | T  | MINUS |
| 5892 | 3878 | 2 |  | LL | CDI | T  | PLUS  |
| 5893 | 3879 | 1 | $\sqrt{-(\ln(x))^2 y^2 + 1}$           | LL | CD  | P  | PLUS  |
| 5894 | 3879 | 2 |  | LL | CDI | P  | MINUS |
| 5895 | 3880 | 1 | $\sqrt{-\frac{(\ln(x))^2 - y^2}{y^2}}$ | LL | CD  | P  | MINUS |
| 5896 | 3880 | 2 |  | LL | CDI | P  | PLUS  |
| 5897 | 3881 | 1 | $\sqrt{(\ln(x))^2 y^2 + 1}$            | LL | CD  | H  | PLUS  |
| 5898 | 3881 | 2 |  | LL | CDI | H  | MINUS |

|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 5899 | 3882 | 1 | $\sqrt{\frac{(\ln(x))^2+y^2}{y^2}}$                                    | LL | CD  | H    | MINUS |
| 5900 | 3882 | 2 |  | LL | CDI | H    | PLUS  |
| 5901 | 3883 | 1 | $1/2 x^y - 1/2 x^{-y}$   | LL | CD  | SH   | PLUS  |
| 5902 | 3883 | 2 |  | LL | CDI | SH   | MINUS |
| 5903 | 3884 | 1 | $1/2 \sqrt[y]{x} - 1/2 x^{-y^{-1}}$                                    | LL | CD  | SH   | MINUS |
| 5904 | 3884 | 2 |  | LL | CDI | SH   | PLUS  |
| 5905 | 3885 | 1 | $1/2 x^y + 1/2 x^{-y}$   | LL | CD  | CH   | PLUS  |
| 5906 | 3885 | 2 |  | LL | CDI | CH   | MINUS |
| 5907 | 3886 | 1 | $1/2 \sqrt[y]{x} + 1/2 x^{-y^{-1}}$                                    | LL | CD  | CH   | MINUS |
| 5908 | 3886 | 2 |  | LL | CDI | CH   | PLUS  |
| 5909 | 3887 | 1 | $\frac{x^{2y}-1}{x^{2y}+1}$  | LL | CD  | TH   | PLUS  |
| 5910 | 3887 | 2 |  | LL | CDI | TH   | MINUS |
| 5911 | 3888 | 1 | $1 \left( x^{2y^{-1}} - 1 \right) \left( x^{2y^{-1}} + 1 \right)^{-1}$ | LL | CD  | TH   | MINUS |
| 5912 | 3888 | 2 |  | LL | CDI | TH   | PLUS  |
| 5913 | 3889 | 1 | $\frac{\ln(x)y}{\pi}$  | LL | CDF | CD   | PLUS  |
| 5914 | 3890 | 1 | $\frac{\pi}{\ln(x)y}$  | LL | CDF | CDI  | PLUS  |
| 5915 | 3891 | 1 | $\frac{\ln(x)\pi^2}{y}$  | LL | CDF | CDF  | MINUS |
| 5916 | 3892 | 1 | $\frac{y}{\ln(x)\pi^2}$  | LL | CDF | CDIF | MINUS |
| 5917 | 3893 | 1 | $\frac{(\ln(x))^2 y^2}{\pi^2}$   | LL | CDF | AB   | PLUS  |
| 5918 | 3894 | 1 | $\frac{(\ln(x))^2 \pi^2}{y^2}$   | LL | CDF | AB   | MINUS |
| 5919 | 3895 | 1 | $\sqrt{\frac{\ln(x)y}{\pi}}$   | LL | CDF | W    | PLUS  |
| 5920 | 3896 | 1 | $\sqrt{\frac{\ln(x)\pi}{y}}$   | LL | CDF | W    | MINUS |
| 5921 | 3897 | 1 | $\frac{\pi^2}{(\ln(x))^2 y^2}$   | LL | CDF | ABI  | PLUS  |
| 5922 | 3898 | 1 | $\frac{y^2}{(\ln(x))^2 \pi^2}$   | LL | CDF | ABI  | MINUS |



|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 5923 | 3899 | 1 | $\frac{(\ln(x))^3 y^3}{\pi^3}$                   | LL | CDF | K  | PLUS  |
| 5924 | 3900 | 1 | $\frac{(\ln(x))^3 \pi^3}{y^3}$                   | LL | CDF | K  | MINUS |
| 5925 | 3901 | 1 | $\frac{\pi^3}{(\ln(x))^3 y^3}$                   | LL | CDF | KI | PLUS  |
| 5926 | 3902 | 1 | $\frac{y^3}{(\ln(x))^3 \pi^3}$                   | LL | CDF | KI | MINUS |
| 5927 | 3903 | 1 | $x^{\frac{y}{\pi}}$                              | LL | CDF | LL | PLUS  |
| 5928 | 3904 | 1 | $x^{\frac{\pi}{y}}$                              | LL | CDF | LL | MINUS |
| 5929 | 3905 | 1 | $LOG\left(\frac{\ln(x)y}{\pi}\right)$            | LL | CDF | L  | PLUS  |
| 5930 | 3906 | 1 | $LOG\left(\frac{\ln(x)\pi}{y}\right)$            | LL | CDF | L  | MINUS |
| 5931 | 3907 | 1 | $\arcsin\left(\frac{\ln(x)y}{\pi}\right)$        | LL | CDF | S  | PLUS  |
| 5932 | 3908 | 1 | $\arcsin\left(\frac{\ln(x)\pi}{y}\right)$        | LL | CDF | S  | MINUS |
| 5933 | 3909 | 1 | $\arctan\left(\frac{\ln(x)y}{\pi}\right)$        | LL | CDF | T  | PLUS  |
| 5934 | 3910 | 1 | $\arctan\left(\frac{\ln(x)\pi}{y}\right)$        | LL | CDF | T  | MINUS |
| 5935 | 3911 | 1 | $\sqrt{-\frac{(\ln(x))^2 y^2 - \pi^2}{\pi^2}}$   | LL | CDF | P  | PLUS  |
| 5936 | 3912 | 1 | $\sqrt{-\frac{(\ln(x))^2 \pi^2 - y^2}{y^2}}$     | LL | CDF | P  | MINUS |
| 5937 | 3913 | 1 | $\sqrt{\frac{(\ln(x))^2 y^2 + \pi^2}{\pi^2}}$    | LL | CDF | H  | PLUS  |
| 5938 | 3914 | 1 | $\sqrt{\frac{(\ln(x))^2 \pi^2 + y^2}{y^2}}$      | LL | CDF | H  | MINUS |
| 5939 | 3915 | 1 | $1/2 x^{\frac{y}{\pi}} - 1/2 x^{-\frac{y}{\pi}}$ | LL | CDF | SH | PLUS  |
| 5940 | 3916 | 1 | $1/2 x^{\frac{\pi}{y}} - 1/2 x^{-\frac{\pi}{y}}$ | LL | CDF | SH | MINUS |
| 5941 | 3917 | 1 | $1/2 x^{\frac{y}{\pi}} + 1/2 x^{-\frac{y}{\pi}}$ | LL | CDF | CH | PLUS  |
| 5942 | 3918 | 1 | $1/2 x^{\frac{\pi}{y}} + 1/2 x^{-\frac{\pi}{y}}$ | LL | CDF | CH | MINUS |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 5943 | 3919 | 1 | $1 \left( x^2 \frac{y}{\pi} - 1 \right) \left( x^2 \frac{y}{\pi} + 1 \right)^{-1}$ | LL | CDF  | TH   | PLUS  |
| 5944 | 3920 | 1 | $1 \left( x^2 \frac{\pi}{y} - 1 \right) \left( x^2 \frac{\pi}{y} + 1 \right)^{-1}$ | LL | CDF  | TH   | MINUS |
| 5945 | 3921 | 1 | $\frac{\ln(x)}{y\pi}$  | LL | CDIF | CD   | PLUS  |
| 5946 | 3922 | 1 | $\frac{y\pi}{\ln(x)}$  | LL | CDIF | CDI  | PLUS  |
| 5947 | 3923 | 1 | $\ln(x) y\pi^2$  | LL | CDIF | CDF  | MINUS |
| 5948 | 3924 | 1 | $\frac{1}{\ln(x) y\pi^2}$  | LL | CDIF | CDIF | MINUS |
| 5949 | 3925 | 1 | $\frac{(\ln(x))^2}{y^2 \pi^2}$   | LL | CDIF | AB   | PLUS  |
| 5950 | 3926 | 1 | $(\ln(x))^2 y^2 \pi^2$   | LL | CDIF | AB   | MINUS |
| 5951 | 3927 | 1 | $\sqrt{\frac{\ln(x)}{y\pi}}$   | LL | CDIF | W    | PLUS  |
| 5952 | 3928 | 1 | $\sqrt{\ln(x) y\pi}$   | LL | CDIF | W    | MINUS |
| 5953 | 3929 | 1 | $\frac{y^2 \pi^2}{(\ln(x))^2}$   | LL | CDIF | ABI  | PLUS  |
| 5954 | 3930 | 1 | $\frac{1}{(\ln(x))^2 y^2 \pi^2}$   | LL | CDIF | ABI  | MINUS |
| 5955 | 3931 | 1 | $\frac{(\ln(x))^3}{y^3 \pi^3}$   | LL | CDIF | K    | PLUS  |
| 5956 | 3932 | 1 | $(\ln(x))^3 y^3 \pi^3$   | LL | CDIF | K    | MINUS |
| 5957 | 3933 | 1 | $\frac{y^3 \pi^3}{(\ln(x))^3}$   | LL | CDIF | KI   | PLUS  |
| 5958 | 3934 | 1 | $\frac{1}{(\ln(x))^3 y^3 \pi^3}$   | LL | CDIF | KI   | MINUS |
| 5959 | 3935 | 1 | $x^{\frac{1}{y\pi}}$   | LL | CDIF | LL   | PLUS  |
| 5960 | 3936 | 1 | $x^{y\pi}$   | LL | CDIF | LL   | MINUS |
| 5961 | 3937 | 1 | $LOG \left( \frac{\ln(x)}{y\pi} \right)$   | LL | CDIF | L    | PLUS  |
| 5962 | 3938 | 1 | $LOG (\ln(x) y\pi)$  | LL | CDIF | L    | MINUS |

|      |      |   |  |    |      |     |       |
|------|------|---|--|----|------|-----|-------|
| 5963 | 3939 | 1 | $\arcsin\left(\frac{\ln(x)}{y\pi}\right)$                                      | LL | CDIF | S   | PLUS  |
| 5964 | 3940 | 1 | $\arcsin(\ln(x) y\pi)$   | LL | CDIF | S   | MINUS |
| 5965 | 3941 | 1 | $\arctan\left(\frac{\ln(x)}{y\pi}\right)$                                      | LL | CDIF | T   | PLUS  |
| 5966 | 3942 | 1 | $\arctan(\ln(x) y\pi)$   | LL | CDIF | T   | MINUS |
| 5967 | 3943 | 1 | $\sqrt{-\frac{-y^2\pi^2+(\ln(x))^2}{y^2\pi^2}}$                                | LL | CDIF | P   | PLUS  |
| 5968 | 3944 | 1 | $\sqrt{-(\ln(x))^2 y^2\pi^2 + 1}$  | LL | CDIF | P   | MINUS |
| 5969 | 3945 | 1 | $\sqrt{\frac{y^2\pi^2+(\ln(x))^2}{y^2\pi^2}}$                                  | LL | CDIF | H   | PLUS  |
| 5970 | 3946 | 1 | $\sqrt{(\ln(x))^2 y^2\pi^2 + 1}$   | LL | CDIF | H   | MINUS |
| 5971 | 3947 | 1 | $1/2 x^{\frac{1}{y\pi}} - 1/2 x^{-\frac{1}{y\pi}}$                             | LL | CDIF | SH  | PLUS  |
| 5972 | 3948 | 1 | $1/2 x^{y\pi} - 1/2 x^{-y\pi}$   | LL | CDIF | SH  | MINUS |
| 5973 | 3949 | 1 | $1/2 x^{\frac{1}{y\pi}} + 1/2 x^{-\frac{1}{y\pi}}$                             | LL | CDIF | CH  | PLUS  |
| 5974 | 3950 | 1 | $1/2 x^{y\pi} + 1/2 x^{-y\pi}$   | LL | CDIF | CH  | MINUS |
| 5975 | 3951 | 1 | $1\left(x^2 \frac{1}{y\pi} - 1\right)\left(x^2 \frac{1}{y\pi} + 1\right)^{-1}$ | LL | CDIF | TH  | PLUS  |
| 5976 | 3952 | 1 | $\frac{x^{2 y\pi} - 1}{x^{2 y\pi} + 1}$  | LL | CDIF | TH  | MINUS |
| 5977 | 3953 | 1 | $\ln(x) \sqrt{y}$  | LL | AB   | CD  | PLUS  |
| 5978 | 3953 | 2 |  | LL | ABI  | CD  | MINUS |
| 5979 | 3954 | 1 | $\frac{\ln(x)}{\sqrt{y}}$  | LL | AB   | CD  | MINUS |
| 5980 | 3954 | 2 |  | LL | ABI  | CD  | PLUS  |
| 5981 | 3955 | 1 | $\frac{1}{\ln(x)\sqrt{y}}$   | LL | AB   | CDI | PLUS  |
| 5982 | 3955 | 2 |  | LL | ABI  | CDI | MINUS |
| 5983 | 3956 | 1 | $\frac{\sqrt{y}}{\ln(x)}$  | LL | AB   | CDI | MINUS |
| 5984 | 3956 | 2 |  | LL | ABI  | CDI | PLUS  |

|      |      |   |                                  |    |     |      |       |
|------|------|---|----------------------------------|----|-----|------|-------|
| 5985 | 3957 | 1 | $\ln(x) \sqrt{y} \pi$            | LL | AB  | CDF  | PLUS  |
| 5986 | 3957 | 2 |                                  | LL | ABI | CDF  | MINUS |
| 5987 | 3958 | 1 | $\frac{\ln(x)\pi}{\sqrt{y}}$     | LL | AB  | CDF  | MINUS |
| 5988 | 3958 | 2 |                                  | LL | ABI | CDF  | PLUS  |
| 5989 | 3959 | 1 | $\frac{1}{\ln(x)\sqrt{y}\pi}$    | LL | AB  | CDIF | PLUS  |
| 5990 | 3959 | 2 |                                  | LL | ABI | CDIF | MINUS |
| 5991 | 3960 | 1 | $\frac{\sqrt{y}}{\ln(x)\pi}$     | LL | AB  | CDIF | MINUS |
| 5992 | 3960 | 2 |                                  | LL | ABI | CDIF | PLUS  |
| 5993 | 3961 | 1 | $(\ln(x))^2 y$                   | LL | AB  | AB   | PLUS  |
| 5994 | 3961 | 2 |                                  | LL | ABI | AB   | MINUS |
| 5995 | 3962 | 1 | $\frac{(\ln(x))^2}{y}$           | LL | AB  | AB   | MINUS |
| 5996 | 3962 | 2 |                                  | LL | ABI | AB   | PLUS  |
| 5997 | 3963 | 1 | $\sqrt{\ln(x) \sqrt{y}}$         | LL | AB  | W    | PLUS  |
| 5998 | 3963 | 2 |                                  | LL | ABI | W    | MINUS |
| 5999 | 3964 | 1 | $\sqrt{\frac{\ln(x)}{\sqrt{y}}}$ | LL | AB  | W    | MINUS |
| 6000 | 3964 | 2 |                                  | LL | ABI | W    | PLUS  |
| 6001 | 3965 | 1 | $\frac{1}{(\ln(x))^2 y}$         | LL | AB  | ABI  | PLUS  |
| 6002 | 3965 | 2 |                                  | LL | ABI | ABI  | MINUS |
| 6003 | 3966 | 1 | $\frac{y}{(\ln(x))^2}$           | LL | AB  | ABI  | MINUS |
| 6004 | 3966 | 2 |                                  | LL | ABI | ABI  | PLUS  |
| 6005 | 3967 | 1 | $(\ln(x))^3 y^{3/2}$             | LL | AB  | K    | PLUS  |
| 6006 | 3967 | 2 |                                  | LL | ABI | K    | MINUS |
| 6007 | 3968 | 1 | $\frac{(\ln(x))^3}{y^{3/2}}$     | LL | AB  | K    | MINUS |
| 6008 | 3968 | 2 |                                  | LL | ABI | K    | PLUS  |
| 6009 | 3969 | 1 | $\frac{1}{(\ln(x))^3 y^{3/2}}$   | LL | AB  | KI   | PLUS  |
| 6010 | 3969 | 2 |                                  | LL | ABI | KI   | MINUS |
| 6011 | 3970 | 1 | $\frac{y^{3/2}}{(\ln(x))^3}$     | LL | AB  | KI   | MINUS |
| 6012 | 3970 | 2 |                                  | LL | ABI | KI   | PLUS  |

|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 6013 | 3971 | 1 | $x\sqrt{y}$  | LL | AB  | LL | PLUS  |
| 6014 | 3971 | 2 |  | LL | ABI | LL | MINUS |
| 6015 | 3972 | 1 | $x^{\frac{1}{\sqrt{y}}}$                                   | LL | AB  | LL | MINUS |
| 6016 | 3972 | 2 |  | LL | ABI | LL | PLUS  |
| 6017 | 3973 | 1 | $LOG(\ln(x)\sqrt{y})$                                      | LL | AB  | L  | PLUS  |
| 6018 | 3973 | 2 |  | LL | ABI | L  | MINUS |
| 6019 | 3974 | 1 | $LOG\left(\frac{\ln(x)}{\sqrt{y}}\right)$                  | LL | AB  | L  | MINUS |
| 6020 | 3974 | 2 |  | LL | ABI | L  | PLUS  |
| 6021 | 3975 | 1 | $\arcsin(\ln(x)\sqrt{y})$                                  | LL | AB  | S  | PLUS  |
| 6022 | 3975 | 2 |  | LL | ABI | S  | MINUS |
| 6023 | 3976 | 1 | $\arcsin\left(\frac{\ln(x)}{\sqrt{y}}\right)$              | LL | AB  | S  | MINUS |
| 6024 | 3976 | 2 |  | LL | ABI | S  | PLUS  |
| 6025 | 3977 | 1 | $\arctan(\ln(x)\sqrt{y})$                                  | LL | AB  | T  | PLUS  |
| 6026 | 3977 | 2 |  | LL | ABI | T  | MINUS |
| 6027 | 3978 | 1 | $\arctan\left(\frac{\ln(x)}{\sqrt{y}}\right)$              | LL | AB  | T  | MINUS |
| 6028 | 3978 | 2 |  | LL | ABI | T  | PLUS  |
| 6029 | 3979 | 1 | $\sqrt{-(\ln(x))^2 y + 1}$                                 | LL | AB  | P  | PLUS  |
| 6030 | 3979 | 2 |  | LL | ABI | P  | MINUS |
| 6031 | 3980 | 1 | $\sqrt{-\frac{(\ln(x))^2 - y}{y}}$                         | LL | AB  | P  | MINUS |
| 6032 | 3980 | 2 |  | LL | ABI | P  | PLUS  |
| 6033 | 3981 | 1 | $\sqrt{(\ln(x))^2 y + 1}$                                  | LL | AB  | H  | PLUS  |
| 6034 | 3981 | 2 |  | LL | ABI | H  | MINUS |
| 6035 | 3982 | 1 | $\sqrt{\frac{(\ln(x))^2 + y}{y}}$                          | LL | AB  | H  | MINUS |
| 6036 | 3982 | 2 |  | LL | ABI | H  | PLUS  |
| 6037 | 3983 | 1 | $1/2 x\sqrt{y} - 1/2 x^{-\sqrt{y}}$                        | LL | AB  | SH | PLUS  |
| 6038 | 3983 | 2 |  | LL | ABI | SH | MINUS |
| 6039 | 3984 | 1 | $1/2 x^{\frac{1}{\sqrt{y}}} - 1/2 x^{-\frac{1}{\sqrt{y}}}$ | LL | AB  | SH | MINUS |
| 6040 | 3984 | 2 |  | LL | ABI | SH | PLUS  |

|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 6041 | 3985 | 1 | $1/2 x^{\sqrt{y}} + 1/2 x^{-\sqrt{y}}$   | LL | AB  | CH   | PLUS  |
| 6042 | 3985 | 2 |  | LL | ABI | CH   | MINUS |
| 6043 | 3986 | 1 | $1/2 x^{\frac{1}{\sqrt{y}}} + 1/2 x^{-\frac{1}{\sqrt{y}}}$                                   | LL | AB  | CH   | MINUS |
| 6044 | 3986 | 2 |  | LL | ABI | CH   | PLUS  |
| 6045 | 3987 | 1 | $\frac{x^2 \sqrt{y} - 1}{x^2 \sqrt{y} + 1}$  | LL | AB  | TH   | PLUS  |
| 6046 | 3987 | 2 |  | LL | ABI | TH   | MINUS |
| 6047 | 3988 | 1 | $1 \left( x^2 \frac{1}{\sqrt{y}} - 1 \right) \left( x^2 \frac{1}{\sqrt{y}} + 1 \right)^{-1}$ | LL | AB  | TH   | MINUS |
| 6048 | 3988 | 2 |  | LL | ABI | TH   | PLUS  |
| 6049 | 3989 | 1 | $\ln(x) y^2$   | LL | W   | CD   | PLUS  |
| 6050 | 3990 | 1 | $\frac{\ln(x)}{y^2}$   | LL | W   | CD   | MINUS |
| 6051 | 3991 | 1 | $\frac{1}{\ln(x) y^2}$   | LL | W   | CDI  | PLUS  |
| 6052 | 3992 | 1 | $\frac{y^2}{\ln(x)}$   | LL | W   | CDI  | MINUS |
| 6053 | 3993 | 1 | $\ln(x) y^2 \pi$   | LL | W   | CDF  | PLUS  |
| 6054 | 3994 | 1 | $\frac{\ln(x) \pi}{y^2}$   | LL | W   | CDF  | MINUS |
| 6055 | 3995 | 1 | $\frac{1}{\ln(x) y^2 \pi}$   | LL | W   | CDIF | PLUS  |
| 6056 | 3996 | 1 | $\frac{y^2}{\ln(x) \pi}$   | LL | W   | CDIF | MINUS |
| 6057 | 3997 | 1 | $(\ln(x))^2 y^4$   | LL | W   | AB   | PLUS  |
| 6058 | 3998 | 1 | $\frac{(\ln(x))^2}{y^4}$   | LL | W   | AB   | MINUS |
| 6059 | 3999 | 1 | $\sqrt{\ln(x) y^2}$  | LL | W   | W    | PLUS  |
| 6060 | 4000 | 1 | $\sqrt{\frac{\ln(x)}{y^2}}$  | LL | W   | W    | MINUS |
| 6061 | 4001 | 1 | $\frac{1}{(\ln(x))^2 y^4}$   | LL | W   | ABI  | PLUS  |
| 6062 | 4002 | 1 | $\frac{y^4}{(\ln(x))^2}$   | LL | W   | ABI  | MINUS |

|      |      |   |  |    |   |    |       |
|------|------|---|--|----|---|----|-------|
| 6063 | 4003 | 1 | $(\ln(x))^3 y^6$                         | LL | W | K  | PLUS  |
| 6064 | 4004 | 1 | $\frac{(\ln(x))^3}{y^6}$                 | LL | W | K  | MINUS |
| 6065 | 4005 | 1 | $\frac{1}{(\ln(x))^3 y^6}$               | LL | W | KI | PLUS  |
| 6066 | 4006 | 1 | $\frac{y^6}{(\ln(x))^3}$                 | LL | W | KI | MINUS |
| 6067 | 4007 | 1 | $x^{y^2}$                                | LL | W | LL | PLUS  |
| 6068 | 4008 | 1 | $x^{y^{-2}}$                             | LL | W | LL | MINUS |
| 6069 | 4009 | 1 | $LOG(\ln(x) y^2)$                        | LL | W | L  | PLUS  |
| 6070 | 4010 | 1 | $LOG\left(\frac{\ln(x)}{y^2}\right)$     | LL | W | L  | MINUS |
| 6071 | 4011 | 1 | $\arcsin(\ln(x) y^2)$                    | LL | W | S  | PLUS  |
| 6072 | 4012 | 1 | $\arcsin\left(\frac{\ln(x)}{y^2}\right)$ | LL | W | S  | MINUS |
| 6073 | 4013 | 1 | $\arctan(\ln(x) y^2)$                    | LL | W | T  | PLUS  |
| 6074 | 4014 | 1 | $\arctan\left(\frac{\ln(x)}{y^2}\right)$ | LL | W | T  | MINUS |
| 6075 | 4015 | 1 | $\sqrt{-(\ln(x))^2 y^4 + 1}$             | LL | W | P  | PLUS  |
| 6076 | 4016 | 1 | $\sqrt{-\frac{y^4 + (\ln(x))^2}{y^4}}$   | LL | W | P  | MINUS |
| 6077 | 4017 | 1 | $\sqrt{(\ln(x))^2 y^4 + 1}$              | LL | W | H  | PLUS  |
| 6078 | 4018 | 1 | $\sqrt{\frac{y^4 + (\ln(x))^2}{y^4}}$    | LL | W | H  | MINUS |
| 6079 | 4019 | 1 | $1/2 x^{y^2} - 1/2 x^{-y^2}$             | LL | W | SH | PLUS  |
| 6080 | 4020 | 1 | $1/2 x^{y^{-2}} - 1/2 x^{-y^{-2}}$       | LL | W | SH | MINUS |
| 6081 | 4021 | 1 | $1/2 x^{y^2} + 1/2 x^{-y^2}$             | LL | W | CH | PLUS  |
| 6082 | 4022 | 1 | $1/2 x^{y^{-2}} + 1/2 x^{-y^{-2}}$       | LL | W | CH | MINUS |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 6083 | 4023 | 1 | $\frac{x^2 y^2 - 1}{x^2 y^2 + 1}$                                    | LL | W  | TH   | PLUS  |
| 6084 | 4024 | 1 | $1 \left( x^2 y^{-2} - 1 \right) \left( x^2 y^{-2} + 1 \right)^{-1}$ | LL | W  | TH   | MINUS |
| 6085 | 4025 | 1 | $\ln(x) \sqrt[3]{y}$   | LL | K  | CD   | PLUS  |
| 6086 | 4025 | 2 |  | LL | KI | CD   | MINUS |
| 6087 | 4026 | 1 | $\frac{\ln(x)}{\sqrt[3]{y}}$   | LL | K  | CD   | MINUS |
| 6088 | 4026 | 2 |  | LL | KI | CD   | PLUS  |
| 6089 | 4027 | 1 | $\frac{1}{\ln(x) \sqrt[3]{y}}$                                       | LL | K  | CDI  | PLUS  |
| 6090 | 4027 | 2 |  | LL | KI | CDI  | MINUS |
| 6091 | 4028 | 1 | $\frac{\sqrt[3]{y}}{\ln(x)}$   | LL | K  | CDI  | MINUS |
| 6092 | 4028 | 2 |  | LL | KI | CDI  | PLUS  |
| 6093 | 4029 | 1 | $\ln(x) \sqrt[3]{y} \pi$   | LL | K  | CDF  | PLUS  |
| 6094 | 4029 | 2 |  | LL | KI | CDF  | MINUS |
| 6095 | 4030 | 1 | $\frac{\ln(x) \pi}{\sqrt[3]{y}}$                                     | LL | K  | CDF  | MINUS |
| 6096 | 4030 | 2 |  | LL | KI | CDF  | PLUS  |
| 6097 | 4031 | 1 | $\frac{1}{\ln(x) \sqrt[3]{y} \pi}$                                   | LL | K  | CDIF | PLUS  |
| 6098 | 4031 | 2 |  | LL | KI | CDIF | MINUS |
| 6099 | 4032 | 1 | $\frac{\sqrt[3]{y}}{\ln(x) \pi}$                                     | LL | K  | CDIF | MINUS |
| 6100 | 4032 | 2 |  | LL | KI | CDIF | PLUS  |
| 6101 | 4033 | 1 | $(\ln(x))^2 y^{2/3}$   | LL | K  | AB   | PLUS  |
| 6102 | 4033 | 2 |  | LL | KI | AB   | MINUS |
| 6103 | 4034 | 1 | $\frac{(\ln(x))^2}{y^{2/3}}$   | LL | K  | AB   | MINUS |
| 6104 | 4034 | 2 |  | LL | KI | AB   | PLUS  |
| 6105 | 4035 | 1 | $\sqrt{\ln(x) \sqrt[3]{y}}$  | LL | K  | W    | PLUS  |
| 6106 | 4035 | 2 |  | LL | KI | W    | MINUS |
| 6107 | 4036 | 1 | $\sqrt{\frac{\ln(x)}{\sqrt[3]{y}}}$                                  | LL | K  | W    | MINUS |
| 6108 | 4036 | 2 |  | LL | KI | W    | PLUS  |
| 6109 | 4037 | 1 | $\frac{1}{(\ln(x))^2 y^{2/3}}$                                       | LL | K  | ABI  | PLUS  |
| 6110 | 4037 | 2 |  | LL | KI | ABI  | MINUS |



|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 6111 | 4038 | 1 | $\frac{y^{2/3}}{(\ln(x))^2}$                     | LL | K  | ABI | MINUS |
| 6112 | 4038 | 2 |  | LL | KI | ABI | PLUS  |
| 6113 | 4039 | 1 | $(\ln(x))^3 y$                                   | LL | K  | K   | PLUS  |
| 6114 | 4039 | 2 |  | LL | KI | K   | MINUS |
| 6115 | 4040 | 1 | $\frac{(\ln(x))^3}{y}$                           | LL | K  | K   | MINUS |
| 6116 | 4040 | 2 |  | LL | KI | K   | PLUS  |
| 6117 | 4041 | 1 | $\frac{1}{(\ln(x))^3 y}$                         | LL | K  | KI  | PLUS  |
| 6118 | 4041 | 2 |  | LL | KI | KI  | MINUS |
| 6119 | 4042 | 1 | $\frac{y}{(\ln(x))^3}$                           | LL | K  | KI  | MINUS |
| 6120 | 4042 | 2 |  | LL | KI | KI  | PLUS  |
| 6121 | 4043 | 1 | $x \sqrt[3]{y}$                                  | LL | K  | LL  | PLUS  |
| 6122 | 4043 | 2 |  | LL | KI | LL  | MINUS |
| 6123 | 4044 | 1 | $x^{\frac{1}{\sqrt[3]{y}}}$                      | LL | K  | LL  | MINUS |
| 6124 | 4044 | 2 |  | LL | KI | LL  | PLUS  |
| 6125 | 4045 | 1 | $LOG(\ln(x) \sqrt[3]{y})$                        | LL | K  | L   | PLUS  |
| 6126 | 4045 | 2 |  | LL | KI | L   | MINUS |
| 6127 | 4046 | 1 | $LOG\left(\frac{\ln(x)}{\sqrt[3]{y}}\right)$     | LL | K  | L   | MINUS |
| 6128 | 4046 | 2 |  | LL | KI | L   | PLUS  |
| 6129 | 4047 | 1 | $\arcsin(\ln(x) \sqrt[3]{y})$                    | LL | K  | S   | PLUS  |
| 6130 | 4047 | 2 |  | LL | KI | S   | MINUS |
| 6131 | 4048 | 1 | $\arcsin\left(\frac{\ln(x)}{\sqrt[3]{y}}\right)$ | LL | K  | S   | MINUS |
| 6132 | 4048 | 2 |  | LL | KI | S   | PLUS  |
| 6133 | 4049 | 1 | $\arctan(\ln(x) \sqrt[3]{y})$                    | LL | K  | T   | PLUS  |
| 6134 | 4049 | 2 |  | LL | KI | T   | MINUS |
| 6135 | 4050 | 1 | $\arctan\left(\frac{\ln(x)}{\sqrt[3]{y}}\right)$ | LL | K  | T   | MINUS |
| 6136 | 4050 | 2 |  | LL | KI | T   | PLUS  |
| 6137 | 4051 | 1 | $\sqrt{-(\ln(x))^2 y^{2/3} + 1}$                 | LL | K  | P   | PLUS  |
| 6138 | 4051 | 2 |  | LL | KI | P   | MINUS |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 6139 | 4052 | 1 | $\sqrt{-\frac{(\ln(x))^2 - y^{2/3}}{y^{2/3}}}$   | LL | K  | P    | MINUS |
| 6140 | 4052 | 2 |  | LL | KI | P    | PLUS  |
| 6141 | 4053 | 1 | $\sqrt{(\ln(x))^2 y^{2/3} + 1}$  | LL | K  | H    | PLUS  |
| 6142 | 4053 | 2 |  | LL | KI | H    | MINUS |
| 6143 | 4054 | 1 | $\sqrt{\frac{(\ln(x))^2 + y^{2/3}}{y^{2/3}}}$  | LL | K  | H    | MINUS |
| 6144 | 4054 | 2 |  | LL | KI | H    | PLUS  |
| 6145 | 4055 | 1 | $1/2 x^{\sqrt[3]{y}} - 1/2 x^{-\sqrt[3]{y}}$   | LL | K  | SH   | PLUS  |
| 6146 | 4055 | 2 |  | LL | KI | SH   | MINUS |
| 6147 | 4056 | 1 | $1/2 x^{\frac{1}{\sqrt[3]{y}}} - 1/2 x^{-\frac{1}{\sqrt[3]{y}}}$                                   | LL | K  | SH   | MINUS |
| 6148 | 4056 | 2 |  | LL | KI | SH   | PLUS  |
| 6149 | 4057 | 1 | $1/2 x^{\sqrt[3]{y}} + 1/2 x^{-\sqrt[3]{y}}$   | LL | K  | CH   | PLUS  |
| 6150 | 4057 | 2 |  | LL | KI | CH   | MINUS |
| 6151 | 4058 | 1 | $1/2 x^{\frac{1}{\sqrt[3]{y}}} + 1/2 x^{-\frac{1}{\sqrt[3]{y}}}$                                   | LL | K  | CH   | MINUS |
| 6152 | 4058 | 2 |  | LL | KI | CH   | PLUS  |
| 6153 | 4059 | 1 | $\frac{x^2 \sqrt[3]{y} - 1}{x^2 \sqrt[3]{y} + 1}$  | LL | K  | TH   | PLUS  |
| 6154 | 4059 | 2 |  | LL | KI | TH   | MINUS |
| 6155 | 4060 | 1 | $1 \left( x^2 \frac{1}{\sqrt[3]{y}} - 1 \right) \left( x^2 \frac{1}{\sqrt[3]{y}} + 1 \right)^{-1}$ | LL | K  | TH   | MINUS |
| 6156 | 4060 | 2 |  | LL | KI | TH   | PLUS  |
| 6157 | 4061 | 1 | $\ln(x) \ln(y)$  | LL | LL | CD   | PLUS  |
| 6158 | 4062 | 1 | $\frac{\ln(x)}{\ln(y)}$  | LL | LL | CD   | MINUS |
| 6159 | 4063 | 1 | $\frac{1}{\ln(x) \ln(y)}$  | LL | LL | CDI  | PLUS  |
| 6160 | 4064 | 1 | $\frac{\ln(y)}{\ln(x)}$  | LL | LL | CDI  | MINUS |
| 6161 | 4065 | 1 | $\ln(x) \ln(y) \pi$  | LL | LL | CDF  | PLUS  |
| 6162 | 4066 | 1 | $\frac{\ln(x) \pi}{\ln(y)}$  | LL | LL | CDF  | MINUS |
| 6163 | 4067 | 1 | $\frac{1}{\ln(x) \ln(y) \pi}$  | LL | LL | CDIF | PLUS  |

|      |      |   |   |    |    |      |       |
|------|------|---|---|----|----|------|-------|
| 6164 | 4068 | 1 | $\frac{\ln(y)}{\ln(x)\pi}$                  | LL | LL | CDIF | MINUS |
| 6165 | 4069 | 1 | $(\ln(x))^2 (\ln(y))^2$                     | LL | LL | AB   | PLUS  |
| 6166 | 4070 | 1 | $\frac{(\ln(x))^2}{(\ln(y))^2}$             | LL | LL | AB   | MINUS |
| 6167 | 4071 | 1 | $\sqrt{\ln(x) \ln(y)}$                      | LL | LL | W    | PLUS  |
| 6168 | 4072 | 1 | $\sqrt{\frac{\ln(x)}{\ln(y)}}$              | LL | LL | W    | MINUS |
| 6169 | 4073 | 1 | $\frac{1}{(\ln(x))^2 (\ln(y))^2}$           | LL | LL | ABI  | PLUS  |
| 6170 | 4074 | 1 | $\frac{(\ln(y))^2}{(\ln(x))^2}$             | LL | LL | ABI  | MINUS |
| 6171 | 4075 | 1 | $(\ln(x))^3 (\ln(y))^3$                     | LL | LL | K    | PLUS  |
| 6172 | 4076 | 1 | $\frac{(\ln(x))^3}{(\ln(y))^3}$             | LL | LL | K    | MINUS |
| 6173 | 4077 | 1 | $\frac{1}{(\ln(x))^3 (\ln(y))^3}$           | LL | LL | KI   | PLUS  |
| 6174 | 4078 | 1 | $\frac{(\ln(y))^3}{(\ln(x))^3}$             | LL | LL | KI   | MINUS |
| 6175 | 4079 | 1 | $x^{\ln(y)}$                                | LL | LL | LL   | PLUS  |
| 6176 | 4080 | 1 | $x^{(\ln(y))^{-1}}$                         | LL | LL | LL   | MINUS |
| 6177 | 4081 | 1 | $LOG(\ln(x) \ln(y))$                        | LL | LL | L    | PLUS  |
| 6178 | 4082 | 1 | $LOG\left(\frac{\ln(x)}{\ln(y)}\right)$     | LL | LL | L    | MINUS |
| 6179 | 4083 | 1 | $\arcsin(\ln(x) \ln(y))$                    | LL | LL | S    | PLUS  |
| 6180 | 4084 | 1 | $\arcsin\left(\frac{\ln(x)}{\ln(y)}\right)$ | LL | LL | S    | MINUS |
| 6181 | 4085 | 1 | $\arctan(\ln(x) \ln(y))$                    | LL | LL | T    | PLUS  |
| 6182 | 4086 | 1 | $\arctan\left(\frac{\ln(x)}{\ln(y)}\right)$ | LL | LL | T    | MINUS |
| 6183 | 4087 | 1 | $\sqrt{-(\ln(x))^2 (\ln(y))^2 + 1}$         | LL | LL | P    | PLUS  |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 6184 | 4088 | 1 | $\sqrt{-\frac{(\ln(x))^2 - (\ln(y))^2}{(\ln(y))^2}}$                                   | LL | LL | P    | MINUS |
| 6185 | 4089 | 1 | $\sqrt{(\ln(x))^2 (\ln(y))^2 + 1}$   | LL | LL | H    | PLUS  |
| 6186 | 4090 | 1 | $\sqrt{\frac{(\ln(x))^2 + (\ln(y))^2}{(\ln(y))^2}}$                                    | LL | LL | H    | MINUS |
| 6187 | 4091 | 1 | $1/2 x^{\ln(y)} - 1/2 x^{-\ln(y)}$   | LL | LL | SH   | PLUS  |
| 6188 | 4092 | 1 | $1/2 x^{(\ln(y))^{-1}} - 1/2 x^{-(\ln(y))^{-1}}$                                       | LL | LL | SH   | MINUS |
| 6189 | 4093 | 1 | $1/2 x^{\ln(y)} + 1/2 x^{-\ln(y)}$   | LL | LL | CH   | PLUS  |
| 6190 | 4094 | 1 | $1/2 x^{(\ln(y))^{-1}} + 1/2 x^{-(\ln(y))^{-1}}$                                       | LL | LL | CH   | MINUS |
| 6191 | 4095 | 1 | $\frac{x^{2 \ln(y)} - 1}{x^{2 \ln(y)} + 1}$  | LL | LL | TH   | PLUS  |
| 6192 | 4096 | 1 | $1 \left( x^{2 (\ln(y))^{-1}} - 1 \right) \left( x^{2 (\ln(y))^{-1}} + 1 \right)^{-1}$ | LL | LL | TH   | MINUS |
| 6193 | 4097 | 1 | $\ln(x) EXP(y)$  | LL | L  | CD   | PLUS  |
| 6194 | 4098 | 1 | $\frac{\ln(x)}{EXP(y)}$  | LL | L  | CD   | MINUS |
| 6195 | 4099 | 1 | $\frac{1}{\ln(x) EXP(y)}$  | LL | L  | CDI  | PLUS  |
| 6196 | 4100 | 1 | $\frac{EXP(y)}{\ln(x)}$  | LL | L  | CDI  | MINUS |
| 6197 | 4101 | 1 | $\ln(x) EXP(y) \pi$  | LL | L  | CDF  | PLUS  |
| 6198 | 4102 | 1 | $\frac{\ln(x) \pi}{EXP(y)}$  | LL | L  | CDF  | MINUS |
| 6199 | 4103 | 1 | $\frac{1}{\ln(x) EXP(y) \pi}$  | LL | L  | CDIF | PLUS  |
| 6200 | 4104 | 1 | $\frac{EXP(y)}{\ln(x) \pi}$  | LL | L  | CDIF | MINUS |
| 6201 | 4105 | 1 | $(\ln(x))^2 (EXP(y))^2$  | LL | L  | AB   | PLUS  |
| 6202 | 4106 | 1 | $\frac{(\ln(x))^2}{(EXP(y))^2}$  | LL | L  | AB   | MINUS |
| 6203 | 4107 | 1 | $\sqrt{\ln(x) EXP(y)}$   | LL | L  | W    | PLUS  |

|      |      |   |  |    |   |     |       |
|------|------|---|--|----|---|-----|-------|
| 6204 | 4108 | 1 | $\sqrt{\frac{\ln(x)}{EXP(y)}}$                       | LL | L | W   | MINUS |
| 6205 | 4109 | 1 | $\frac{1}{(\ln(x))^2 (EXP(y))^2}$                    | LL | L | ABI | PLUS  |
| 6206 | 4110 | 1 | $\frac{(EXP(y))^2}{(\ln(x))^2}$                      | LL | L | ABI | MINUS |
| 6207 | 4111 | 1 | $(\ln(x))^3 (EXP(y))^3$                              | LL | L | K   | PLUS  |
| 6208 | 4112 | 1 | $\frac{(\ln(x))^3}{(EXP(y))^3}$                      | LL | L | K   | MINUS |
| 6209 | 4113 | 1 | $\frac{1}{(\ln(x))^3 (EXP(y))^3}$                    | LL | L | KI  | PLUS  |
| 6210 | 4114 | 1 | $\frac{(EXP(y))^3}{(\ln(x))^3}$                      | LL | L | KI  | MINUS |
| 6211 | 4115 | 1 | $x^{EXP(y)}$   | LL | L | LL  | PLUS  |
| 6212 | 4116 | 1 | $x^{(EXP(y))^{-1}}$                                  | LL | L | LL  | MINUS |
| 6213 | 4117 | 1 | $LOG(\ln(x) EXP(y))$                                 | LL | L | L   | PLUS  |
| 6214 | 4118 | 1 | $LOG\left(\frac{\ln(x)}{EXP(y)}\right)$              | LL | L | L   | MINUS |
| 6215 | 4119 | 1 | $\arcsin(\ln(x) EXP(y))$                             | LL | L | S   | PLUS  |
| 6216 | 4120 | 1 | $\arcsin\left(\frac{\ln(x)}{EXP(y)}\right)$          | LL | L | S   | MINUS |
| 6217 | 4121 | 1 | $\arctan(\ln(x) EXP(y))$                             | LL | L | T   | PLUS  |
| 6218 | 4122 | 1 | $\arctan\left(\frac{\ln(x)}{EXP(y)}\right)$          | LL | L | T   | MINUS |
| 6219 | 4123 | 1 | $\sqrt{-(\ln(x))^2 (EXP(y))^2 + 1}$                  | LL | L | P   | PLUS  |
| 6220 | 4124 | 1 | $\sqrt{-\frac{(\ln(x))^2 - (EXP(y))^2}{(EXP(y))^2}}$ | LL | L | P   | MINUS |
| 6221 | 4125 | 1 | $\sqrt{(\ln(x))^2 (EXP(y))^2 + 1}$                   | LL | L | H   | PLUS  |
| 6222 | 4126 | 1 | $\sqrt{\frac{(\ln(x))^2 + (EXP(y))^2}{(EXP(y))^2}}$  | LL | L | H   | MINUS |
| 6223 | 4127 | 1 | $1/2 x^{EXP(y)} - 1/2 x^{-EXP(y)}$                   | LL | L | SH  | PLUS  |

|      |      |   |  |    |   |      |       |
|------|------|---|--|----|---|------|-------|
| 6224 | 4128 | 1 | $1/2 x^{(EXP(y))^{-1}} - 1/2 x^{-(EXP(y))^{-1}}$                                       | LL | L | SH   | MINUS |
| 6225 | 4129 | 1 | $1/2 x^{EXP(y)} + 1/2 x^{-EXP(y)}$   | LL | L | CH   | PLUS  |
| 6226 | 4130 | 1 | $1/2 x^{(EXP(y))^{-1}} + 1/2 x^{-(EXP(y))^{-1}}$                                       | LL | L | CH   | MINUS |
| 6227 | 4131 | 1 | $\frac{x^{2 EXP(y)} - 1}{x^{2 EXP(y)} + 1}$  | LL | L | TH   | PLUS  |
| 6228 | 4132 | 1 | $1 \left( x^{2 (EXP(y))^{-1}} - 1 \right) \left( x^{2 (EXP(y))^{-1}} + 1 \right)^{-1}$ | LL | L | TH   | MINUS |
| 6229 | 4133 | 1 | $\ln(x) \sin(y)$   | LL | S | CD   | PLUS  |
| 6230 | 4134 | 1 | $\frac{\ln(x)}{\sin(y)}$   | LL | S | CD   | MINUS |
| 6231 | 4135 | 1 | $\frac{1}{\ln(x) \sin(y)}$   | LL | S | CDI  | PLUS  |
| 6232 | 4136 | 1 | $\frac{\sin(y)}{\ln(x)}$   | LL | S | CDI  | MINUS |
| 6233 | 4137 | 1 | $\ln(x) \sin(y) \pi$   | LL | S | CDF  | PLUS  |
| 6234 | 4138 | 1 | $\frac{\ln(x) \pi}{\sin(y)}$   | LL | S | CDF  | MINUS |
| 6235 | 4139 | 1 | $\frac{1}{\ln(x) \sin(y) \pi}$   | LL | S | CDIF | PLUS  |
| 6236 | 4140 | 1 | $\frac{\sin(y)}{\ln(x) \pi}$   | LL | S | CDIF | MINUS |
| 6237 | 4141 | 1 | $(\ln(x))^2 (\sin(y))^2$   | LL | S | AB   | PLUS  |
| 6238 | 4142 | 1 | $\frac{(\ln(x))^2}{(\sin(y))^2}$   | LL | S | AB   | MINUS |
| 6239 | 4143 | 1 | $\sqrt{\ln(x) \sin(y)}$  | LL | S | W    | PLUS  |
| 6240 | 4144 | 1 | $\sqrt{\frac{\ln(x)}{\sin(y)}}$  | LL | S | W    | MINUS |
| 6241 | 4145 | 1 | $\frac{1}{(\ln(x))^2 (\sin(y))^2}$   | LL | S | ABI  | PLUS  |
| 6242 | 4146 | 1 | $\frac{(\sin(y))^2}{(\ln(x))^2}$   | LL | S | ABI  | MINUS |
| 6243 | 4147 | 1 | $(\ln(x))^3 (\sin(y))^3$   | LL | S | K    | PLUS  |
| 6244 | 4148 | 1 | $\frac{(\ln(x))^3}{(\sin(y))^3}$   | LL | S | K    | MINUS |

|      |      |   |  |    |   |    |       |
|------|------|---|--|----|---|----|-------|
| 6245 | 4149 | 1 | $\frac{1}{(\ln(x))^3(\sin(y))^3}$  | LL | S | KI | PLUS  |
| 6246 | 4150 | 1 | $\frac{(\sin(y))^3}{(\ln(x))^3}$   | LL | S | KI | MINUS |
| 6247 | 4151 | 1 | $x^{\sin(y)}$  | LL | S | LL | PLUS  |
| 6248 | 4152 | 1 | $x^{(\sin(y))^{-1}}$   | LL | S | LL | MINUS |
| 6249 | 4153 | 1 | $LOG(\ln(x)\sin(y))$   | LL | S | L  | PLUS  |
| 6250 | 4154 | 1 | $LOG\left(\frac{\ln(x)}{\sin(y)}\right)$   | LL | S | L  | MINUS |
| 6251 | 4155 | 1 | $\arcsin(\ln(x)\sin(y))$   | LL | S | S  | PLUS  |
| 6252 | 4156 | 1 | $\arcsin\left(\frac{\ln(x)}{\sin(y)}\right)$   | LL | S | S  | MINUS |
| 6253 | 4157 | 1 | $\arctan(\ln(x)\sin(y))$   | LL | S | T  | PLUS  |
| 6254 | 4158 | 1 | $\arctan\left(\frac{\ln(x)}{\sin(y)}\right)$   | LL | S | T  | MINUS |
| 6255 | 4159 | 1 | $\sqrt{(\ln(x))^2(\cos(y))^2 - (\ln(x))^2 + 1}$  | LL | S | P  | PLUS  |
| 6256 | 4160 | 1 | $\sqrt{-\frac{(\ln(x))^2 - (\sin(y))^2}{(\sin(y))^2}}$                                 | LL | S | P  | MINUS |
| 6257 | 4161 | 1 | $\sqrt{-(\ln(x))^2(\cos(y))^2 + (\ln(x))^2 + 1}$                                       | LL | S | H  | PLUS  |
| 6258 | 4162 | 1 | $\sqrt{\frac{(\ln(x))^2 + (\sin(y))^2}{(\sin(y))^2}}$                                  | LL | S | H  | MINUS |
| 6259 | 4163 | 1 | $1/2 x^{\sin(y)} - 1/2 x^{-\sin(y)}$   | LL | S | SH | PLUS  |
| 6260 | 4164 | 1 | $1/2 x^{(\sin(y))^{-1}} - 1/2 x^{-(\sin(y))^{-1}}$                                     | LL | S | SH | MINUS |
| 6261 | 4165 | 1 | $1/2 x^{\sin(y)} + 1/2 x^{-\sin(y)}$   | LL | S | CH | PLUS  |
| 6262 | 4166 | 1 | $1/2 x^{(\sin(y))^{-1}} + 1/2 x^{-(\sin(y))^{-1}}$                                     | LL | S | CH | MINUS |
| 6263 | 4167 | 1 | $\frac{x^2 \sin(y) - 1}{x^2 \sin(y) + 1}$  | LL | S | TH | PLUS  |
| 6264 | 4168 | 1 | $1 \left( x^{2(\sin(y))^{-1}} - 1 \right) \left( x^{2(\sin(y))^{-1}} + 1 \right)^{-1}$ | LL | S | TH | MINUS |

|      |      |   |                                    |    |   |      |       |
|------|------|---|------------------------------------|----|---|------|-------|
| 6265 | 4169 | 1 | $\ln(x) \tan(y)$                   | LL | T | CD   | PLUS  |
| 6266 | 4170 | 1 | $\frac{\ln(x)}{\tan(y)}$           | LL | T | CD   | MINUS |
| 6267 | 4171 | 1 | $\frac{1}{\ln(x) \tan(y)}$         | LL | T | CDI  | PLUS  |
| 6268 | 4172 | 1 | $\frac{\tan(y)}{\ln(x)}$           | LL | T | CDI  | MINUS |
| 6269 | 4173 | 1 | $\ln(x) \tan(y) \pi$               | LL | T | CDF  | PLUS  |
| 6270 | 4174 | 1 | $\frac{\ln(x) \pi}{\tan(y)}$       | LL | T | CDF  | MINUS |
| 6271 | 4175 | 1 | $\frac{1}{\ln(x) \tan(y) \pi}$     | LL | T | CDIF | PLUS  |
| 6272 | 4176 | 1 | $\frac{\tan(y)}{\ln(x) \pi}$       | LL | T | CDIF | MINUS |
| 6273 | 4177 | 1 | $(\ln(x))^2 (\tan(y))^2$           | LL | T | AB   | PLUS  |
| 6274 | 4178 | 1 | $\frac{(\ln(x))^2}{(\tan(y))^2}$   | LL | T | AB   | MINUS |
| 6275 | 4179 | 1 | $\sqrt{\ln(x) \tan(y)}$            | LL | T | W    | PLUS  |
| 6276 | 4180 | 1 | $\sqrt{\frac{\ln(x)}{\tan(y)}}$    | LL | T | W    | MINUS |
| 6277 | 4181 | 1 | $\frac{1}{(\ln(x))^2 (\tan(y))^2}$ | LL | T | ABI  | PLUS  |
| 6278 | 4182 | 1 | $\frac{(\tan(y))^2}{(\ln(x))^2}$   | LL | T | ABI  | MINUS |
| 6279 | 4183 | 1 | $(\ln(x))^3 (\tan(y))^3$           | LL | T | K    | PLUS  |
| 6280 | 4184 | 1 | $\frac{(\ln(x))^3}{(\tan(y))^3}$   | LL | T | K    | MINUS |
| 6281 | 4185 | 1 | $\frac{1}{(\ln(x))^3 (\tan(y))^3}$ | LL | T | KI   | PLUS  |
| 6282 | 4186 | 1 | $\frac{(\tan(y))^3}{(\ln(x))^3}$   | LL | T | KI   | MINUS |
| 6283 | 4187 | 1 | $x^{\tan(y)}$                      | LL | T | LL   | PLUS  |
| 6284 | 4188 | 1 | $x^{(\tan(y))^{-1}}$               | LL | T | LL   | MINUS |



|      |      |   |  |    |   |     |       |
|------|------|---|--|----|---|-----|-------|
| 6285 | 4189 | 1 | $LOG(\ln(x) \tan(y))$  | LL | T | L   | PLUS  |
| 6286 | 4190 | 1 | $LOG\left(\frac{\ln(x)}{\tan(y)}\right)$   | LL | T | L   | MINUS |
| 6287 | 4191 | 1 | $\arcsin(\ln(x) \tan(y))$  | LL | T | S   | PLUS  |
| 6288 | 4192 | 1 | $\arcsin\left(\frac{\ln(x)}{\tan(y)}\right)$   | LL | T | S   | MINUS |
| 6289 | 4193 | 1 | $\arctan(\ln(x) \tan(y))$  | LL | T | T   | PLUS  |
| 6290 | 4194 | 1 | $\arctan\left(\frac{\ln(x)}{\tan(y)}\right)$   | LL | T | T   | MINUS |
| 6291 | 4195 | 1 | $\sqrt{\frac{(\ln(x))^2(\cos(y))^2 - (\ln(x))^2 + (\cos(y))^2}{(\cos(y))^2}}$          | LL | T | P   | PLUS  |
| 6292 | 4196 | 1 | $\sqrt{-\frac{(\ln(x))^2 - (\tan(y))^2}{(\tan(y))^2}}$                                 | LL | T | P   | MINUS |
| 6293 | 4197 | 1 | $\sqrt{-\frac{(\ln(x))^2(\cos(y))^2 - (\ln(x))^2 - (\cos(y))^2}{(\cos(y))^2}}$         | LL | T | H   | PLUS  |
| 6294 | 4198 | 1 | $\sqrt{\frac{(\ln(x))^2 + (\tan(y))^2}{(\tan(y))^2}}$                                  | LL | T | H   | MINUS |
| 6295 | 4199 | 1 | $1/2 x^{\tan(y)} - 1/2 x^{-\tan(y)}$   | LL | T | SH  | PLUS  |
| 6296 | 4200 | 1 | $1/2 x^{(\tan(y))^{-1}} - 1/2 x^{-(\tan(y))^{-1}}$                                     | LL | T | SH  | MINUS |
| 6297 | 4201 | 1 | $1/2 x^{\tan(y)} + 1/2 x^{-\tan(y)}$   | LL | T | CH  | PLUS  |
| 6298 | 4202 | 1 | $1/2 x^{(\tan(y))^{-1}} + 1/2 x^{-(\tan(y))^{-1}}$                                     | LL | T | CH  | MINUS |
| 6299 | 4203 | 1 | $\frac{x^{2 \tan(y)} - 1}{x^{2 \tan(y)} + 1}$  | LL | T | TH  | PLUS  |
| 6300 | 4204 | 1 | $1 \left( x^{2(\tan(y))^{-1}} - 1 \right) \left( x^{2(\tan(y))^{-1}} + 1 \right)^{-1}$ | LL | T | TH  | MINUS |
| 6301 | 4205 | 1 | $\ln(x) \sqrt{-y^2 + 1}$   | LL | P | CD  | PLUS  |
| 6302 | 4206 | 1 | $\frac{\ln(x)}{\sqrt{-y^2 + 1}}$   | LL | P | CD  | MINUS |
| 6303 | 4207 | 1 | $\frac{1}{\ln(x) \sqrt{-y^2 + 1}}$   | LL | P | CDI | PLUS  |
| 6304 | 4208 | 1 | $\frac{\sqrt{-y^2 + 1}}{\ln(x)}$   | LL | P | CDI | MINUS |

|      |      |   |   |    |   |      |       |
|------|------|---|---|----|---|------|-------|
| 6305 | 4209 | 1 | $\ln(x) \sqrt{-y^2+1} \pi$                        | LL | P | CDF  | PLUS  |
| 6306 | 4210 | 1 | $\frac{\ln(x) \pi}{\sqrt{-y^2+1}}$                | LL | P | CDF  | MINUS |
| 6307 | 4211 | 1 | $\frac{1}{\ln(x) \sqrt{-y^2+1} \pi}$              | LL | P | CDIF | PLUS  |
| 6308 | 4212 | 1 | $\frac{\sqrt{-y^2+1}}{\ln(x) \pi}$                | LL | P | CDIF | MINUS |
| 6309 | 4213 | 1 | $(\ln(x))^2 (-y^2+1)$                             | LL | P | AB   | PLUS  |
| 6310 | 4214 | 1 | $-\frac{(\ln(x))^2}{y^2-1}$                       | LL | P | AB   | MINUS |
| 6311 | 4215 | 1 | $\sqrt{\ln(x) \sqrt{-y^2+1}}$                     | LL | P | W    | PLUS  |
| 6312 | 4216 | 1 | $\sqrt{\frac{\ln(x)}{\sqrt{-y^2+1}}}$             | LL | P | W    | MINUS |
| 6313 | 4217 | 1 | $-\frac{1}{(\ln(x))^2 (y^2-1)}$                   | LL | P | ABI  | PLUS  |
| 6314 | 4218 | 1 | $\frac{-y^2+1}{(\ln(x))^2}$                       | LL | P | ABI  | MINUS |
| 6315 | 4219 | 1 | $(\ln(x))^3 (-y^2+1)^{3/2}$                       | LL | P | K    | PLUS  |
| 6316 | 4220 | 1 | $\frac{(\ln(x))^3}{(-y^2+1)^{3/2}}$               | LL | P | K    | MINUS |
| 6317 | 4221 | 1 | $\frac{1}{(\ln(x))^3 (-y^2+1)^{3/2}}$             | LL | P | KI   | PLUS  |
| 6318 | 4222 | 1 | $\frac{(-y^2+1)^{3/2}}{(\ln(x))^3}$               | LL | P | KI   | MINUS |
| 6319 | 4223 | 1 | $x \sqrt{-y^2+1}$                                 | LL | P | LL   | PLUS  |
| 6320 | 4224 | 1 | $x \frac{1}{\sqrt{-y^2+1}}$                       | LL | P | LL   | MINUS |
| 6321 | 4225 | 1 | $LOG \left( \ln(x) \sqrt{-y^2+1} \right)$         | LL | P | L    | PLUS  |
| 6322 | 4226 | 1 | $LOG \left( \frac{\ln(x)}{\sqrt{-y^2+1}} \right)$ | LL | P | L    | MINUS |

|      |      |   |  |    |   |    |       |
|------|------|---|--|----|---|----|-------|
| 6323 | 4227 | 1 | $\arcsin\left(\ln(x)\sqrt{-y^2+1}\right)$  | LL | P | S  | PLUS  |
| 6324 | 4228 | 1 | $\arcsin\left(\frac{\ln(x)}{\sqrt{-y^2+1}}\right)$   | LL | P | S  | MINUS |
| 6325 | 4229 | 1 | $\arctan\left(\ln(x)\sqrt{-y^2+1}\right)$  | LL | P | T  | PLUS  |
| 6326 | 4230 | 1 | $\arctan\left(\frac{\ln(x)}{\sqrt{-y^2+1}}\right)$   | LL | P | T  | MINUS |
| 6327 | 4231 | 1 | $\sqrt{(\ln(x))^2 y^2 - (\ln(x))^2 + 1}$   | LL | P | P  | PLUS  |
| 6328 | 4231 | 2 |  | LL | H | H  | PLUS  |
| 6329 | 4232 | 1 | $\sqrt{\frac{(\ln(x))^2 + y^2 - 1}{y^2 - 1}}$  | LL | P | P  | MINUS |
| 6330 | 4232 | 2 |  | LL | H | H  | MINUS |
| 6331 | 4233 | 1 | $\sqrt{-(\ln(x))^2 y^2 + (\ln(x))^2 + 1}$  | LL | P | H  | PLUS  |
| 6332 | 4233 | 2 |  | LL | H | P  | PLUS  |
| 6333 | 4234 | 1 | $\sqrt{-\frac{(\ln(x))^2 - y^2 + 1}{y^2 - 1}}$   | LL | P | H  | MINUS |
| 6334 | 4234 | 2 |  | LL | H | P  | MINUS |
| 6335 | 4235 | 1 | $1/2 x \sqrt{-y^2+1} - 1/2 x^{-\sqrt{-y^2+1}}$   | LL | P | SH | PLUS  |
| 6336 | 4236 | 1 | $1/2 x^{\frac{1}{\sqrt{-y^2+1}}} - 1/2 x^{-\frac{1}{\sqrt{-y^2+1}}}$                                       | LL | P | SH | MINUS |
| 6337 | 4237 | 1 | $1/2 x \sqrt{-y^2+1} + 1/2 x^{-\sqrt{-y^2+1}}$   | LL | P | CH | PLUS  |
| 6338 | 4238 | 1 | $1/2 x^{\frac{1}{\sqrt{-y^2+1}}} + 1/2 x^{-\frac{1}{\sqrt{-y^2+1}}}$                                       | LL | P | CH | MINUS |
| 6339 | 4239 | 1 | $\frac{x^2 \sqrt{-y^2+1} - 1}{x^2 \sqrt{-y^2+1} + 1}$  | LL | P | TH | PLUS  |
| 6340 | 4240 | 1 | $1 \left( x^{2 \frac{1}{\sqrt{-y^2+1}}} - 1 \right) \left( x^{2 \frac{1}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | LL | P | TH | MINUS |
| 6341 | 4241 | 1 | $\ln(x) \sqrt{y^2 - 1}$  | LL | H | CD | PLUS  |
| 6342 | 4242 | 1 | $\frac{\ln(x)}{\sqrt{y^2 - 1}}$  | LL | H | CD | MINUS |

|      |      |   |                                      |    |   |      |       |
|------|------|---|--------------------------------------|----|---|------|-------|
| 6343 | 4243 | 1 | $\frac{1}{\ln(x)\sqrt{y^2-1}}$       | LL | H | CDI  | PLUS  |
| 6344 | 4244 | 1 | $\frac{\sqrt{y^2-1}}{\ln(x)}$        | LL | H | CDI  | MINUS |
| 6345 | 4245 | 1 | $\ln(x)\sqrt{y^2-1}\pi$              | LL | H | CDF  | PLUS  |
| 6346 | 4246 | 1 | $\frac{\ln(x)\pi}{\sqrt{y^2-1}}$     | LL | H | CDF  | MINUS |
| 6347 | 4247 | 1 | $\frac{1}{\ln(x)\sqrt{y^2-1}\pi}$    | LL | H | CDIF | PLUS  |
| 6348 | 4248 | 1 | $\frac{\sqrt{y^2-1}}{\ln(x)\pi}$     | LL | H | CDIF | MINUS |
| 6349 | 4249 | 1 | $(\ln(x))^2(y^2-1)$                  | LL | H | AB   | PLUS  |
| 6350 | 4250 | 1 | $\frac{(\ln(x))^2}{y^2-1}$           | LL | H | AB   | MINUS |
| 6351 | 4251 | 1 | $\sqrt{\ln(x)\sqrt{y^2-1}}$          | LL | H | W    | PLUS  |
| 6352 | 4252 | 1 | $\sqrt{\frac{\ln(x)}{\sqrt{y^2-1}}}$ | LL | H | W    | MINUS |
| 6353 | 4253 | 1 | $\frac{1}{(\ln(x))^2(y^2-1)}$        | LL | H | ABI  | PLUS  |
| 6354 | 4254 | 1 | $\frac{y^2-1}{(\ln(x))^2}$           | LL | H | ABI  | MINUS |
| 6355 | 4255 | 1 | $(\ln(x))^3(y^2-1)^{3/2}$            | LL | H | K    | PLUS  |
| 6356 | 4256 | 1 | $\frac{(\ln(x))^3}{(y^2-1)^{3/2}}$   | LL | H | K    | MINUS |
| 6357 | 4257 | 1 | $\frac{1}{(\ln(x))^3(y^2-1)^{3/2}}$  | LL | H | KI   | PLUS  |
| 6358 | 4258 | 1 | $\frac{(y^2-1)^{3/2}}{(\ln(x))^3}$   | LL | H | KI   | MINUS |
| 6359 | 4259 | 1 | $x\sqrt{y^2-1}$                      | LL | H | LL   | PLUS  |
| 6360 | 4260 | 1 | $x\frac{1}{\sqrt{y^2-1}}$            | LL | H | LL   | MINUS |
| 6361 | 4261 | 1 | $LOG\left(\ln(x)\sqrt{y^2-1}\right)$ | LL | H | L    | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 6362 | 4262 | 1 | $LOG\left(\frac{\ln(x)}{\sqrt{y^2-1}}\right)$  | LL | H  | L   | MINUS |
| 6363 | 4263 | 1 | $\arcsin\left(\ln(x)\sqrt{y^2-1}\right)$   | LL | H  | S   | PLUS  |
| 6364 | 4264 | 1 | $\arcsin\left(\frac{\ln(x)}{\sqrt{y^2-1}}\right)$  | LL | H  | S   | MINUS |
| 6365 | 4265 | 1 | $\arctan\left(\ln(x)\sqrt{y^2-1}\right)$   | LL | H  | T   | PLUS  |
| 6366 | 4266 | 1 | $\arctan\left(\frac{\ln(x)}{\sqrt{y^2-1}}\right)$  | LL | H  | T   | MINUS |
| 6367 | 4267 | 1 | $1/2 x\sqrt{y^2-1} - 1/2 x^{-\sqrt{y^2-1}}$  | LL | H  | SH  | PLUS  |
| 6368 | 4268 | 1 | $1/2 x\frac{1}{\sqrt{y^2-1}} - 1/2 x^{-\frac{1}{\sqrt{y^2-1}}}$                          | LL | H  | SH  | MINUS |
| 6369 | 4269 | 1 | $1/2 x\sqrt{y^2-1} + 1/2 x^{-\sqrt{y^2-1}}$  | LL | H  | CH  | PLUS  |
| 6370 | 4270 | 1 | $1/2 x\frac{1}{\sqrt{y^2-1}} + 1/2 x^{-\frac{1}{\sqrt{y^2-1}}}$                          | LL | H  | CH  | MINUS |
| 6371 | 4271 | 1 | $\frac{x^2\sqrt{y^2-1}-1}{x^2\sqrt{y^2-1}+1}$  | LL | H  | TH  | PLUS  |
| 6372 | 4272 | 1 | $1\left(x^2\frac{1}{\sqrt{y^2-1}}-1\right)\left(x^2\frac{1}{\sqrt{y^2-1}}+1\right)^{-1}$ | LL | H  | TH  | MINUS |
| 6373 | 4273 | 1 | $\ln(x)\ln\left(y+\sqrt{y^2+1}\right)$   | LL | SH | CD  | PLUS  |
| 6374 | 4274 | 1 | $\frac{\ln(x)}{\ln\left(y+\sqrt{y^2+1}\right)}$  | LL | SH | CD  | MINUS |
| 6375 | 4275 | 1 | $\frac{1}{\ln(x)\ln\left(y+\sqrt{y^2+1}\right)}$   | LL | SH | CDI | PLUS  |
| 6376 | 4276 | 1 | $\frac{\ln\left(y+\sqrt{y^2+1}\right)}{\ln(x)}$  | LL | SH | CDI | MINUS |
| 6377 | 4277 | 1 | $\ln(x)\ln\left(y+\sqrt{y^2+1}\right)\pi$  | LL | SH | CDF | PLUS  |
| 6378 | 4278 | 1 | $\frac{\ln(x)\pi}{\ln\left(y+\sqrt{y^2+1}\right)}$                                       | LL | SH | CDF | MINUS |

|      |      |   |   |    |    |      |       |
|------|------|---|---|----|----|------|-------|
| 6379 | 4279 | 1 | $\frac{1}{\ln(x) \ln(y + \sqrt{y^2 + 1}) \pi}$                  | LL | SH | CDIF | PLUS  |
| 6380 | 4280 | 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{\ln(x) \pi}$                    | LL | SH | CDIF | MINUS |
| 6381 | 4281 | 1 | $(\ln(x))^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2$           | LL | SH | AB   | PLUS  |
| 6382 | 4282 | 1 | $\frac{(\ln(x))^2}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}$   | LL | SH | AB   | MINUS |
| 6383 | 4283 | 1 | $\sqrt{\ln(x) \ln(y + \sqrt{y^2 + 1})}$                         | LL | SH | W    | PLUS  |
| 6384 | 4284 | 1 | $\sqrt{\frac{\ln(x)}{\ln(y + \sqrt{y^2 + 1})}}$                 | LL | SH | W    | MINUS |
| 6385 | 4285 | 1 | $\frac{1}{(\ln(x))^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2}$ | LL | SH | ABI  | PLUS  |
| 6386 | 4286 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}{(\ln(x))^2}$   | LL | SH | ABI  | MINUS |
| 6387 | 4287 | 1 | $(\ln(x))^3 \left( \ln(y + \sqrt{y^2 + 1}) \right)^3$           | LL | SH | K    | PLUS  |
| 6388 | 4288 | 1 | $\frac{(\ln(x))^3}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^3}$   | LL | SH | K    | MINUS |
| 6389 | 4289 | 1 | $\frac{1}{(\ln(x))^3 \left( \ln(y + \sqrt{y^2 + 1}) \right)^3}$ | LL | SH | KI   | PLUS  |
| 6390 | 4290 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 + 1}) \right)^3}{(\ln(x))^3}$   | LL | SH | KI   | MINUS |
| 6391 | 4291 | 1 | $x^{\ln(y + \sqrt{y^2 + 1})}$                                   | LL | SH | LL   | PLUS  |
| 6392 | 4292 | 1 | $x^{\left( \ln(y + \sqrt{y^2 + 1}) \right)^{-1}}$               | LL | SH | LL   | MINUS |
| 6393 | 4293 | 1 | $LOG \left( \ln(x) \ln(y + \sqrt{y^2 + 1}) \right)$             | LL | SH | L    | PLUS  |
| 6394 | 4294 | 1 | $LOG \left( \frac{\ln(x)}{\ln(y + \sqrt{y^2 + 1})} \right)$     | LL | SH | L    | MINUS |
| 6395 | 4295 | 1 | $\arcsin \left( \ln(x) \ln(y + \sqrt{y^2 + 1}) \right)$         | LL | SH | S    | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 6396 | 4296 | 1 | $\arcsin\left(\frac{\ln(x)}{\ln(y+\sqrt{y^2+1})}\right)$   | LL | SH | S   | MINUS |
| 6397 | 4297 | 1 | $\arctan\left(\ln(x)\ln(y+\sqrt{y^2+1})\right)$  | LL | SH | T   | PLUS  |
| 6398 | 4298 | 1 | $\arctan\left(\frac{\ln(x)}{\ln(y+\sqrt{y^2+1})}\right)$   | LL | SH | T   | MINUS |
| 6399 | 4299 | 1 | $\sqrt{-(\ln(x))^2\left(\ln(y+\sqrt{y^2+1})\right)^2+1}$   | LL | SH | P   | PLUS  |
| 6400 | 4300 | 1 | $\sqrt{-\frac{(\ln(x))^2-(\ln(y+\sqrt{y^2+1}))^2}{(\ln(y+\sqrt{y^2+1}))^2}}$                                   | LL | SH | P   | MINUS |
| 6401 | 4301 | 1 | $\sqrt{(\ln(x))^2\left(\ln(y+\sqrt{y^2+1})\right)^2+1}$  | LL | SH | H   | PLUS  |
| 6402 | 4302 | 1 | $\sqrt{\frac{(\ln(x))^2+(\ln(y+\sqrt{y^2+1}))^2}{(\ln(y+\sqrt{y^2+1}))^2}}$                                    | LL | SH | H   | MINUS |
| 6403 | 4303 | 1 | $1/2 x^{\ln(y+\sqrt{y^2+1})} - 1/2 x^{-\ln(y+\sqrt{y^2+1})}$   | LL | SH | SH  | PLUS  |
| 6404 | 4304 | 1 | $1/2 x^{(\ln(y+\sqrt{y^2+1}))^{-1}} - 1/2 x^{-(\ln(y+\sqrt{y^2+1}))^{-1}}$                                     | LL | SH | SH  | MINUS |
| 6405 | 4305 | 1 | $1/2 x^{\ln(y+\sqrt{y^2+1})} + 1/2 x^{-\ln(y+\sqrt{y^2+1})}$   | LL | SH | CH  | PLUS  |
| 6406 | 4306 | 1 | $1/2 x^{(\ln(y+\sqrt{y^2+1}))^{-1}} + 1/2 x^{-(\ln(y+\sqrt{y^2+1}))^{-1}}$                                     | LL | SH | CH  | MINUS |
| 6407 | 4307 | 1 | $\frac{x^{2\ln(y+\sqrt{y^2+1})}-1}{x^{2\ln(y+\sqrt{y^2+1})}+1}$  | LL | SH | TH  | PLUS  |
| 6408 | 4308 | 1 | $1\left(x^{2(\ln(y+\sqrt{y^2+1}))^{-1}}-1\right)\left(x^{2(\ln(y+\sqrt{y^2+1}))^{-1}}_{LL+1}\right)^{-1}_{SH}$ | SH | TH |     | MINUS |
| 6409 | 4309 | 1 | $\ln(x)\ln(y+\sqrt{y^2-1})$  | LL | CH | CD  | PLUS  |
| 6410 | 4310 | 1 | $\frac{\ln(x)}{\ln(y+\sqrt{y^2-1})}$   | LL | CH | CD  | MINUS |
| 6411 | 4311 | 1 | $\frac{1}{\ln(x)\ln(y+\sqrt{y^2-1})}$  | LL | CH | CDI | PLUS  |

|      |      |   |   |    |    |      |       |
|------|------|---|---|----|----|------|-------|
| 6412 | 4312 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\ln(x)}$                            | LL | CH | CDI  | MINUS |
| 6413 | 4313 | 1 | $\ln(x) \ln(y + \sqrt{y^2 - 1}) \pi$                            | LL | CH | CDF  | PLUS  |
| 6414 | 4314 | 1 | $\frac{\ln(x)\pi}{\ln(y+\sqrt{y^2-1})}$                         | LL | CH | CDF  | MINUS |
| 6415 | 4315 | 1 | $\frac{1}{\ln(x) \ln(y+\sqrt{y^2-1}) \pi}$                      | LL | CH | CDIF | PLUS  |
| 6416 | 4316 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\ln(x)\pi}$                         | LL | CH | CDIF | MINUS |
| 6417 | 4317 | 1 | $(\ln(x))^2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2$           | LL | CH | AB   | PLUS  |
| 6418 | 4318 | 1 | $\frac{(\ln(x))^2}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$   | LL | CH | AB   | MINUS |
| 6419 | 4319 | 1 | $\sqrt{\ln(x) \ln(y + \sqrt{y^2 - 1})}$                         | LL | CH | W    | PLUS  |
| 6420 | 4320 | 1 | $\sqrt{\frac{\ln(x)}{\ln(y + \sqrt{y^2 - 1})}}$                 | LL | CH | W    | MINUS |
| 6421 | 4321 | 1 | $\frac{1}{(\ln(x))^2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$ | LL | CH | ABI  | PLUS  |
| 6422 | 4322 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}{(\ln(x))^2}$   | LL | CH | ABI  | MINUS |
| 6423 | 4323 | 1 | $(\ln(x))^3 \left( \ln(y + \sqrt{y^2 - 1}) \right)^3$           | LL | CH | K    | PLUS  |
| 6424 | 4324 | 1 | $\frac{(\ln(x))^3}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3}$   | LL | CH | K    | MINUS |
| 6425 | 4325 | 1 | $\frac{1}{(\ln(x))^3 \left( \ln(y + \sqrt{y^2 - 1}) \right)^3}$ | LL | CH | KI   | PLUS  |
| 6426 | 4326 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 - 1}) \right)^3}{(\ln(x))^3}$   | LL | CH | KI   | MINUS |
| 6427 | 4327 | 1 | $x^{\ln(y + \sqrt{y^2 - 1})}$                                   | LL | CH | LL   | PLUS  |
| 6428 | 4328 | 1 | $x^{\left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}}$               | LL | CH | LL   | MINUS |



|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 6429 | 4329 | 1 | $LOG \left( \ln(x) \ln \left( y + \sqrt{y^2 - 1} \right) \right)$  | LL | CH | L  | PLUS  |
| 6430 | 4330 | 1 | $LOG \left( \frac{\ln(x)}{\ln(y + \sqrt{y^2 - 1})} \right)$  | LL | CH | L  | MINUS |
| 6431 | 4331 | 1 | $\arcsin \left( \ln(x) \ln \left( y + \sqrt{y^2 - 1} \right) \right)$  | LL | CH | S  | PLUS  |
| 6432 | 4332 | 1 | $\arcsin \left( \frac{\ln(x)}{\ln(y + \sqrt{y^2 - 1})} \right)$  | LL | CH | S  | MINUS |
| 6433 | 4333 | 1 | $\arctan \left( \ln(x) \ln \left( y + \sqrt{y^2 - 1} \right) \right)$  | LL | CH | T  | PLUS  |
| 6434 | 4334 | 1 | $\arctan \left( \frac{\ln(x)}{\ln(y + \sqrt{y^2 - 1})} \right)$  | LL | CH | T  | MINUS |
| 6435 | 4335 | 1 | $\sqrt{-(\ln(x))^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 + 1}$  | LL | CH | P  | PLUS  |
| 6436 | 4336 | 1 | $\sqrt{-\frac{(\ln(x))^2 - \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}}$               | LL | CH | P  | MINUS |
| 6437 | 4337 | 1 | $\sqrt{(\ln(x))^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 + 1}$   | LL | CH | H  | PLUS  |
| 6438 | 4338 | 1 | $\sqrt{\frac{(\ln(x))^2 + \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}}$                | LL | CH | H  | MINUS |
| 6439 | 4339 | 1 | $1/2 x^{\ln(y + \sqrt{y^2 - 1})} - 1/2 x^{-\ln(y + \sqrt{y^2 - 1})}$   | LL | CH | SH | PLUS  |
| 6440 | 4340 | 1 | $1/2 x^{\left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}} - 1/2 x^{-\left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}}$   | LL | CH | SH | MINUS |
| 6441 | 4341 | 1 | $1/2 x^{\ln(y + \sqrt{y^2 - 1})} + 1/2 x^{-\ln(y + \sqrt{y^2 - 1})}$   | LL | CH | CH | PLUS  |
| 6442 | 4342 | 1 | $1/2 x^{\left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}} + 1/2 x^{-\left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}}$   | LL | CH | CH | MINUS |
| 6443 | 4343 | 1 | $\frac{x^{2 \ln(y + \sqrt{y^2 - 1})} - 1}{x^{2 \ln(y + \sqrt{y^2 - 1})} + 1}$  | LL | CH | TH | PLUS  |
| 6444 | 4344 | 1 | $1 \left( x^{2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}} - 1 \right) \left( x^{2 \left( \ln(y + \sqrt{y^2 - 1}) \right)^{-1}}_{LL+1} \right)^{-1}_{CH}$ | CH | TH |    | MINUS |

|      |      |   |   |    |    |      |       |
|------|------|---|---|----|----|------|-------|
| 6445 | 4345 | 1 | $1/2 \ln(x) \ln\left(\frac{-y-1}{y-1}\right)$                               | LL | TH | CD   | PLUS  |
| 6446 | 4346 | 1 | $2 \ln(x) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$               | LL | TH | CD   | MINUS |
| 6447 | 4347 | 1 | $2 \frac{1}{\ln(x)} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$     | LL | TH | CDI  | PLUS  |
| 6448 | 4348 | 1 | $1/2 \frac{1}{\ln(x)} \ln\left(\frac{-y-1}{y-1}\right)$                     | LL | TH | CDI  | MINUS |
| 6449 | 4349 | 1 | $1/2 \ln(x) \ln\left(\frac{-y-1}{y-1}\right) \pi$                           | LL | TH | CDF  | PLUS  |
| 6450 | 4350 | 1 | $2 \ln(x) \pi \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$           | LL | TH | CDF  | MINUS |
| 6451 | 4351 | 1 | $2 \frac{1}{\ln(x)\pi} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | LL | TH | CDIF | PLUS  |
| 6452 | 4352 | 1 | $1/2 \frac{1}{\ln(x)\pi} \ln\left(\frac{-y-1}{y-1}\right)$                  | LL | TH | CDIF | MINUS |
| 6453 | 4353 | 1 | $1/4 (\ln(x))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$            | LL | TH | AB   | PLUS  |
| 6454 | 4354 | 1 | $4 (\ln(x))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$           | LL | TH | AB   | MINUS |
| 6455 | 4355 | 1 | $1/2 \sqrt{2} \sqrt{\ln(x) \ln\left(\frac{-y-1}{y-1}\right)}$               | LL | TH | W    | PLUS  |
| 6456 | 4356 | 1 | $\sqrt{2} \sqrt{\ln(x) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$ | LL | TH | W    | MINUS |
| 6457 | 4357 | 1 | $4 \frac{1}{(\ln(x))^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$ | LL | TH | ABI  | PLUS  |
| 6458 | 4358 | 1 | $1/4 \frac{1}{(\ln(x))^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | LL | TH | ABI  | MINUS |
| 6459 | 4359 | 1 | $1/8 (\ln(x))^3 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3$            | LL | TH | K    | PLUS  |
| 6460 | 4360 | 1 | $8 (\ln(x))^3 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$           | LL | TH | K    | MINUS |
| 6461 | 4361 | 1 | $8 \frac{1}{(\ln(x))^3} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$ | LL | TH | KI   | PLUS  |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 6462 | 4362 | 1 | $1/8 \frac{1}{(\ln(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$  | LL | TH | KI | MINUS |
| 6463 | 4363 | 1 | $x^{1/2} \ln \left( \frac{-y-1}{y-1} \right)$  | LL | TH | LL | PLUS  |
| 6464 | 4364 | 1 | $x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | LL | TH | LL | MINUS |
| 6465 | 4365 | 1 | $LOG \left( 1/2 \ln(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$  | LL | TH | L  | PLUS  |
| 6466 | 4366 | 1 | $LOG \left( 2 \ln(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | LL | TH | L  | MINUS |
| 6467 | 4367 | 1 | $\arcsin \left( 1/2 \ln(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$  | LL | TH | S  | PLUS  |
| 6468 | 4368 | 1 | $\arcsin \left( 2 \ln(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | LL | TH | S  | MINUS |
| 6469 | 4369 | 1 | $\arctan \left( 1/2 \ln(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$  | LL | TH | T  | PLUS  |
| 6470 | 4370 | 1 | $\arctan \left( 2 \ln(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | LL | TH | T  | MINUS |
| 6471 | 4371 | 1 | $1/2 \sqrt{-(\ln(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$  | LL | TH | P  | PLUS  |
| 6472 | 4372 | 1 | $\sqrt{-1 \left( 4 (\ln(x))^2 - \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$ | TH | P  |    | MINUS |
| 6473 | 4373 | 1 | $1/2 \sqrt{(\ln(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$   | LL | TH | H  | PLUS  |
| 6474 | 4374 | 1 | $\sqrt{1 \left( 4 (\ln(x))^2 + \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$  | TH | H  |    | MINUS |
| 6475 | 4375 | 1 | $1/2 x^{1/2} \ln \left( \frac{-y-1}{y-1} \right) - 1/2 x^{-1/2} \ln \left( \frac{-y-1}{y-1} \right)$   | LL | TH | SH | PLUS  |
| 6476 | 4376 | 1 | $1/2 x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} - 1/2 x^{-2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$                 | LL | TH | SH | MINUS |
| 6477 | 4377 | 1 | $1/2 x^{1/2} \ln \left( \frac{-y-1}{y-1} \right) + 1/2 x^{-1/2} \ln \left( \frac{-y-1}{y-1} \right)$   | LL | TH | CH | PLUS  |
| 6478 | 4378 | 1 | $1/2 x^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} + 1/2 x^{-2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$                 | LL | TH | CH | MINUS |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 6479 | 4379 | 1 | $1 \left( x^{1/2 \ln(\frac{-y-1}{y-1})} - x^{-1/2 \ln(\frac{-y-1}{y-1})} \right) \left( x^{1/2 \ln(\frac{-y-1}{y-1})} + x^{-1/2 \ln(\frac{-y-1}{y-1})} \right)^{-1}$ | LL | TH   | TH   | PLUS  |
| 6480 | 4380 | 1 | $1 \left( x^{4 \left( \ln(\frac{-y-1}{y-1}) \right)^{-1}} - 1 \right) \left( x^{4 \left( \ln(\frac{-y-1}{y-1}) \right)^{-1}} + 1 \right)^{-1}$                       | LL | TH   | TH   | MINUS |
| 6481 | 4381 | 1 | $EXP(x)y$  | L  | CD   | CD   | PLUS  |
| 6482 | 4381 | 2 |  | L  | CDI  | CD   | MINUS |
| 6483 | 4381 | 3 |  | L  | CDF  | CDF  | PLUS  |
| 6484 | 4382 | 1 | $\frac{EXP(x)}{y}$   | L  | CD   | CD   | MINUS |
| 6485 | 4382 | 2 |  | L  | CDI  | CD   | PLUS  |
| 6486 | 4382 | 3 |  | L  | CDIF | CDF  | PLUS  |
| 6487 | 4383 | 1 | $\frac{1}{EXP(x)y}$  | L  | CD   | CDI  | PLUS  |
| 6488 | 4383 | 2 |  | L  | CDI  | CDI  | MINUS |
| 6489 | 4383 | 3 |  | L  | CDF  | CDIF | PLUS  |
| 6490 | 4384 | 1 | $\frac{y}{EXP(x)}$   | L  | CD   | CDI  | MINUS |
| 6491 | 4384 | 2 |  | L  | CDI  | CDI  | PLUS  |
| 6492 | 4384 | 3 |  | L  | CDIF | CDIF | PLUS  |
| 6493 | 4385 | 1 | $EXP(x)y\pi$   | L  | CD   | CDF  | PLUS  |
| 6494 | 4385 | 2 |  | L  | CDI  | CDF  | MINUS |
| 6495 | 4385 | 3 |  | L  | CDIF | CD   | MINUS |
| 6496 | 4386 | 1 | $\frac{EXP(x)\pi}{y}$  | L  | CD   | CDF  | MINUS |
| 6497 | 4386 | 2 |  | L  | CDI  | CDF  | PLUS  |
| 6498 | 4386 | 3 |  | L  | CDF  | CD   | MINUS |
| 6499 | 4387 | 1 | $\frac{1}{EXP(x)y\pi}$   | L  | CD   | CDIF | PLUS  |
| 6500 | 4387 | 2 |  | L  | CDI  | CDIF | MINUS |
| 6501 | 4387 | 3 |  | L  | CDIF | CDI  | MINUS |
| 6502 | 4388 | 1 | $\frac{y}{EXP(x)\pi}$  | L  | CD   | CDIF | MINUS |
| 6503 | 4388 | 2 |  | L  | CDI  | CDIF | PLUS  |
| 6504 | 4388 | 3 |  | L  | CDF  | CDI  | MINUS |
| 6505 | 4389 | 1 | $(EXP(x))^2 y^2$   | L  | CD   | AB   | PLUS  |
| 6506 | 4389 | 2 |  | L  | CDI  | AB   | MINUS |
| 6507 | 4390 | 1 | $\frac{(EXP(x))^2}{y^2}$   | L  | CD   | AB   | MINUS |
| 6508 | 4390 | 2 |  | L  | CDI  | AB   | PLUS  |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 6509 | 4391 | 1 | $\sqrt{EXP(x)} y$                      | L | CD  | W   | PLUS  |
| 6510 | 4391 | 2 |  | L | CDI | W   | MINUS |
| 6511 | 4392 | 1 | $\sqrt{\frac{EXP(x)}{y}}$              | L | CD  | W   | MINUS |
| 6512 | 4392 | 2 |  | L | CDI | W   | PLUS  |
| 6513 | 4393 | 1 | $\frac{1}{(EXP(x))^2 y^2}$             | L | CD  | ABI | PLUS  |
| 6514 | 4393 | 2 |  | L | CDI | ABI | MINUS |
| 6515 | 4394 | 1 | $\frac{y^2}{(EXP(x))^2}$               | L | CD  | ABI | MINUS |
| 6516 | 4394 | 2 |  | L | CDI | ABI | PLUS  |
| 6517 | 4395 | 1 | $(EXP(x))^3 y^3$                       | L | CD  | K   | PLUS  |
| 6518 | 4395 | 2 |  | L | CDI | K   | MINUS |
| 6519 | 4396 | 1 | $\frac{(EXP(x))^3}{y^3}$               | L | CD  | K   | MINUS |
| 6520 | 4396 | 2 |  | L | CDI | K   | PLUS  |
| 6521 | 4397 | 1 | $\frac{1}{(EXP(x))^3 y^3}$             | L | CD  | KI  | PLUS  |
| 6522 | 4397 | 2 |  | L | CDI | KI  | MINUS |
| 6523 | 4398 | 1 | $\frac{y^3}{(EXP(x))^3}$               | L | CD  | KI  | MINUS |
| 6524 | 4398 | 2 |  | L | CDI | KI  | PLUS  |
| 6525 | 4399 | 1 | $e^{EXP(x)y}$                          | L | CD  | LL  | PLUS  |
| 6526 | 4399 | 2 |  | L | CDI | LL  | MINUS |
| 6527 | 4400 | 1 | $e^{\frac{EXP(x)}{y}}$                 | L | CD  | LL  | MINUS |
| 6528 | 4400 | 2 |  | L | CDI | LL  | PLUS  |
| 6529 | 4401 | 1 | $LOG(EXP(x) y)$                        | L | CD  | L   | PLUS  |
| 6530 | 4401 | 2 |  | L | CDI | L   | MINUS |
| 6531 | 4402 | 1 | $LOG\left(\frac{EXP(x)}{y}\right)$     | L | CD  | L   | MINUS |
| 6532 | 4402 | 2 |  | L | CDI | L   | PLUS  |
| 6533 | 4403 | 1 | $\arcsin(EXP(x) y)$                    | L | CD  | S   | PLUS  |
| 6534 | 4403 | 2 |  | L | CDI | S   | MINUS |
| 6535 | 4404 | 1 | $\arcsin\left(\frac{EXP(x)}{y}\right)$ | L | CD  | S   | MINUS |
| 6536 | 4404 | 2 |  | L | CDI | S   | PLUS  |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 6537 | 4405 | 1 | $\arctan (EXP (x) y)$  | L | CD  | T   | PLUS  |
| 6538 | 4405 | 2 |  | L | CDI | T   | MINUS |
| 6539 | 4406 | 1 | $\arctan \left( \frac{EXP(x)}{y} \right)$  | L | CD  | T   | MINUS |
| 6540 | 4406 | 2 |  | L | CDI | T   | PLUS  |
| 6541 | 4407 | 1 | $\sqrt{-(EXP (x))^2 y^2 + 1}$  | L | CD  | P   | PLUS  |
| 6542 | 4407 | 2 |  | L | CDI | P   | MINUS |
| 6543 | 4408 | 1 | $\sqrt{-\frac{(EXP(x))^2 - y^2}{y^2}}$   | L | CD  | P   | MINUS |
| 6544 | 4408 | 2 |  | L | CDI | P   | PLUS  |
| 6545 | 4409 | 1 | $\sqrt{(EXP (x))^2 y^2 + 1}$   | L | CD  | H   | PLUS  |
| 6546 | 4409 | 2 |  | L | CDI | H   | MINUS |
| 6547 | 4410 | 1 | $\sqrt{\frac{(EXP(x))^2 + y^2}{y^2}}$  | L | CD  | H   | MINUS |
| 6548 | 4410 | 2 |  | L | CDI | H   | PLUS  |
| 6549 | 4411 | 1 | $1/2 e^{EXP(x)y} - 1/2 e^{-EXP(x)y}$   | L | CD  | SH  | PLUS  |
| 6550 | 4411 | 2 |  | L | CDI | SH  | MINUS |
| 6551 | 4412 | 1 | $1/2 e^{\frac{EXP(x)}{y}} - 1/2 e^{-\frac{EXP(x)}{y}}$                                       | L | CD  | SH  | MINUS |
| 6552 | 4412 | 2 |  | L | CDI | SH  | PLUS  |
| 6553 | 4413 | 1 | $1/2 e^{EXP(x)y} + 1/2 e^{-EXP(x)y}$   | L | CD  | CH  | PLUS  |
| 6554 | 4413 | 2 |  | L | CDI | CH  | MINUS |
| 6555 | 4414 | 1 | $1/2 e^{\frac{EXP(x)}{y}} + 1/2 e^{-\frac{EXP(x)}{y}}$                                       | L | CD  | CH  | MINUS |
| 6556 | 4414 | 2 |  | L | CDI | CH  | PLUS  |
| 6557 | 4415 | 1 | $\frac{e^{2 EXP(x)y} - 1}{e^{2 EXP(x)y} + 1}$  | L | CD  | TH  | PLUS  |
| 6558 | 4415 | 2 |  | L | CDI | TH  | MINUS |
| 6559 | 4416 | 1 | $1 \left( e^{2 \frac{EXP(x)}{y}} - 1 \right) \left( e^{2 \frac{EXP(x)}{y}} + 1 \right)^{-1}$ | L | CD  | TH  | MINUS |
| 6560 | 4416 | 2 |  | L | CDI | TH  | PLUS  |
| 6561 | 4417 | 1 | $\frac{EXP(x)y}{\pi}$  | L | CDF | CD  | PLUS  |
| 6562 | 4418 | 1 | $\frac{\pi}{EXP(x)y}$  | L | CDF | CDI | PLUS  |
| 6563 | 4419 | 1 | $\frac{EXP(x)\pi^2}{y}$  | L | CDF | CDF | MINUS |

|      |      |   |   |   |     |      |       |
|------|------|---|---|---|-----|------|-------|
| 6564 | 4420 | 1 | $\frac{y}{EXP(x)\pi^2}$                   | L | CDF | CDIF | MINUS |
| 6565 | 4421 | 1 | $\frac{(EXP(x))^2 y^2}{\pi^2}$            | L | CDF | AB   | PLUS  |
| 6566 | 4422 | 1 | $\frac{(EXP(x))^2 \pi^2}{y^2}$            | L | CDF | AB   | MINUS |
| 6567 | 4423 | 1 | $\sqrt{\frac{EXP(x)y}{\pi}}$              | L | CDF | W    | PLUS  |
| 6568 | 4424 | 1 | $\sqrt{\frac{EXP(x)\pi}{y}}$              | L | CDF | W    | MINUS |
| 6569 | 4425 | 1 | $\frac{\pi^2}{(EXP(x))^2 y^2}$            | L | CDF | ABI  | PLUS  |
| 6570 | 4426 | 1 | $\frac{y^2}{(EXP(x))^2 \pi^2}$            | L | CDF | ABI  | MINUS |
| 6571 | 4427 | 1 | $\frac{(EXP(x))^3 y^3}{\pi^3}$            | L | CDF | K    | PLUS  |
| 6572 | 4428 | 1 | $\frac{(EXP(x))^3 \pi^3}{y^3}$            | L | CDF | K    | MINUS |
| 6573 | 4429 | 1 | $\frac{\pi^3}{(EXP(x))^3 y^3}$            | L | CDF | KI   | PLUS  |
| 6574 | 4430 | 1 | $\frac{y^3}{(EXP(x))^3 \pi^3}$            | L | CDF | KI   | MINUS |
| 6575 | 4431 | 1 | $e^{\frac{EXP(x)y}{\pi}}$                 | L | CDF | LL   | PLUS  |
| 6576 | 4432 | 1 | $e^{\frac{EXP(x)\pi}{y}}$                 | L | CDF | LL   | MINUS |
| 6577 | 4433 | 1 | $LOG\left(\frac{EXP(x)y}{\pi}\right)$     | L | CDF | L    | PLUS  |
| 6578 | 4434 | 1 | $LOG\left(\frac{EXP(x)\pi}{y}\right)$     | L | CDF | L    | MINUS |
| 6579 | 4435 | 1 | $\arcsin\left(\frac{EXP(x)y}{\pi}\right)$ | L | CDF | S    | PLUS  |
| 6580 | 4436 | 1 | $\arcsin\left(\frac{EXP(x)\pi}{y}\right)$ | L | CDF | S    | MINUS |
| 6581 | 4437 | 1 | $\arctan\left(\frac{EXP(x)y}{\pi}\right)$ | L | CDF | T    | PLUS  |
| 6582 | 4438 | 1 | $\arctan\left(\frac{EXP(x)\pi}{y}\right)$ | L | CDF | T    | MINUS |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 6583 | 4439 | 1 | $\sqrt{-\frac{(EXP(x))^2 y^2 - \pi^2}{\pi^2}}$   | L | CDF  | P    | PLUS  |
| 6584 | 4440 | 1 | $\sqrt{-\frac{(EXP(x))^2 \pi^2 - y^2}{y^2}}$   | L | CDF  | P    | MINUS |
| 6585 | 4441 | 1 | $\sqrt{\frac{(EXP(x))^2 y^2 + \pi^2}{\pi^2}}$  | L | CDF  | H    | PLUS  |
| 6586 | 4442 | 1 | $\sqrt{\frac{(EXP(x))^2 \pi^2 + y^2}{y^2}}$  | L | CDF  | H    | MINUS |
| 6587 | 4443 | 1 | $1/2 e^{\frac{EXP(x)y}{\pi}} - 1/2 e^{-\frac{EXP(x)y}{\pi}}$                                       | L | CDF  | SH   | PLUS  |
| 6588 | 4444 | 1 | $1/2 e^{\frac{EXP(x)\pi}{y}} - 1/2 e^{-\frac{EXP(x)\pi}{y}}$                                       | L | CDF  | SH   | MINUS |
| 6589 | 4445 | 1 | $1/2 e^{\frac{EXP(x)y}{\pi}} + 1/2 e^{-\frac{EXP(x)y}{\pi}}$                                       | L | CDF  | CH   | PLUS  |
| 6590 | 4446 | 1 | $1/2 e^{\frac{EXP(x)\pi}{y}} + 1/2 e^{-\frac{EXP(x)\pi}{y}}$                                       | L | CDF  | CH   | MINUS |
| 6591 | 4447 | 1 | $1 \left( e^{2 \frac{EXP(x)y}{\pi}} - 1 \right) \left( e^{2 \frac{EXP(x)y}{\pi}} + 1 \right)^{-1}$ | L | CDF  | TH   | PLUS  |
| 6592 | 4448 | 1 | $1 \left( e^{2 \frac{EXP(x)\pi}{y}} - 1 \right) \left( e^{2 \frac{EXP(x)\pi}{y}} + 1 \right)^{-1}$ | L | CDF  | TH   | MINUS |
| 6593 | 4449 | 1 | $\frac{EXP(x)}{y\pi}$  | L | CDIF | CD   | PLUS  |
| 6594 | 4450 | 1 | $\frac{y\pi}{EXP(x)}$  | L | CDIF | CDI  | PLUS  |
| 6595 | 4451 | 1 | $EXP(x) y \pi^2$   | L | CDIF | CDF  | MINUS |
| 6596 | 4452 | 1 | $\frac{1}{EXP(x) y \pi^2}$   | L | CDIF | CDIF | MINUS |
| 6597 | 4453 | 1 | $\frac{(EXP(x))^2}{y^2 \pi^2}$   | L | CDIF | AB   | PLUS  |
| 6598 | 4454 | 1 | $(EXP(x))^2 y^2 \pi^2$   | L | CDIF | AB   | MINUS |
| 6599 | 4455 | 1 | $\sqrt{\frac{EXP(x)}{y\pi}}$   | L | CDIF | W    | PLUS  |
| 6600 | 4456 | 1 | $\sqrt{EXP(x) y \pi}$  | L | CDIF | W    | MINUS |
| 6601 | 4457 | 1 | $\frac{y^2 \pi^2}{(EXP(x))^2}$   | L | CDIF | ABI  | PLUS  |



|      |      |   |  |   |      |     |       |
|------|------|---|--|---|------|-----|-------|
| 6602 | 4458 | 1 | $\frac{1}{(EXP(x))^2 y^2 \pi^2}$                             | L | CDIF | ABI | MINUS |
| 6603 | 4459 | 1 | $\frac{(EXP(x))^3}{y^3 \pi^3}$                               | L | CDIF | K   | PLUS  |
| 6604 | 4460 | 1 | $(EXP(x))^3 y^3 \pi^3$                                       | L | CDIF | K   | MINUS |
| 6605 | 4461 | 1 | $\frac{y^3 \pi^3}{(EXP(x))^3}$                               | L | CDIF | KI  | PLUS  |
| 6606 | 4462 | 1 | $\frac{1}{(EXP(x))^3 y^3 \pi^3}$                             | L | CDIF | KI  | MINUS |
| 6607 | 4463 | 1 | $e^{\frac{EXP(x)}{y\pi}}$                                    | L | CDIF | LL  | PLUS  |
| 6608 | 4464 | 1 | $e^{EXP(x)y\pi}$   | L | CDIF | LL  | MINUS |
| 6609 | 4465 | 1 | $LOG\left(\frac{EXP(x)}{y\pi}\right)$                        | L | CDIF | L   | PLUS  |
| 6610 | 4466 | 1 | $LOG(EXP(x)y\pi)$  | L | CDIF | L   | MINUS |
| 6611 | 4467 | 1 | $\arcsin\left(\frac{EXP(x)}{y\pi}\right)$                    | L | CDIF | S   | PLUS  |
| 6612 | 4468 | 1 | $\arcsin(EXP(x)y\pi)$  | L | CDIF | S   | MINUS |
| 6613 | 4469 | 1 | $\arctan\left(\frac{EXP(x)}{y\pi}\right)$                    | L | CDIF | T   | PLUS  |
| 6614 | 4470 | 1 | $\arctan(EXP(x)y\pi)$  | L | CDIF | T   | MINUS |
| 6615 | 4471 | 1 | $\sqrt{-\frac{y^2 \pi^2 + (EXP(x))^2}{y^2 \pi^2}}$           | L | CDIF | P   | PLUS  |
| 6616 | 4472 | 1 | $\sqrt{-(EXP(x))^2 y^2 \pi^2 + 1}$                           | L | CDIF | P   | MINUS |
| 6617 | 4473 | 1 | $\sqrt{\frac{y^2 \pi^2 + (EXP(x))^2}{y^2 \pi^2}}$            | L | CDIF | H   | PLUS  |
| 6618 | 4474 | 1 | $\sqrt{(EXP(x))^2 y^2 \pi^2 + 1}$                            | L | CDIF | H   | MINUS |
| 6619 | 4475 | 1 | $1/2 e^{\frac{EXP(x)}{y\pi}} - 1/2 e^{-\frac{EXP(x)}{y\pi}}$ | L | CDIF | SH  | PLUS  |
| 6620 | 4476 | 1 | $1/2 e^{EXP(x)y\pi} - 1/2 e^{-EXP(x)y\pi}$                   | L | CDIF | SH  | MINUS |
| 6621 | 4477 | 1 | $1/2 e^{\frac{EXP(x)}{y\pi}} + 1/2 e^{-\frac{EXP(x)}{y\pi}}$ | L | CDIF | CH  | PLUS  |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 6622 | 4478 | 1 | $1/2 e^{EXP(x)y\pi} + 1/2 e^{-EXP(x)y\pi}$   | L | CDIF | CH   | MINUS |
| 6623 | 4479 | 1 | $1 \left( e^{2 \frac{EXP(x)}{y\pi}} - 1 \right) \left( e^{2 \frac{EXP(x)}{y\pi}} + 1 \right)^{-1}$ | L | CDIF | TH   | PLUS  |
| 6624 | 4480 | 1 | $\frac{e^{2 \frac{EXP(x)}{y\pi}} - 1}{e^{2 \frac{EXP(x)}{y\pi}} + 1}$                              | L | CDIF | TH   | MINUS |
| 6625 | 4481 | 1 | $EXP(x) \sqrt{y}$  | L | AB   | CD   | PLUS  |
| 6626 | 4481 | 2 |  | L | ABI  | CD   | MINUS |
| 6627 | 4482 | 1 | $\frac{EXP(x)}{\sqrt{y}}$  | L | AB   | CD   | MINUS |
| 6628 | 4482 | 2 |  | L | ABI  | CD   | PLUS  |
| 6629 | 4483 | 1 | $\frac{1}{EXP(x)\sqrt{y}}$   | L | AB   | CDI  | PLUS  |
| 6630 | 4483 | 2 |  | L | ABI  | CDI  | MINUS |
| 6631 | 4484 | 1 | $\frac{\sqrt{y}}{EXP(x)}$  | L | AB   | CDI  | MINUS |
| 6632 | 4484 | 2 |  | L | ABI  | CDI  | PLUS  |
| 6633 | 4485 | 1 | $EXP(x) \sqrt{y}\pi$   | L | AB   | CDF  | PLUS  |
| 6634 | 4485 | 2 |  | L | ABI  | CDF  | MINUS |
| 6635 | 4486 | 1 | $\frac{EXP(x)\pi}{\sqrt{y}}$   | L | AB   | CDF  | MINUS |
| 6636 | 4486 | 2 |  | L | ABI  | CDF  | PLUS  |
| 6637 | 4487 | 1 | $\frac{1}{EXP(x)\sqrt{y}\pi}$  | L | AB   | CDIF | PLUS  |
| 6638 | 4487 | 2 |  | L | ABI  | CDIF | MINUS |
| 6639 | 4488 | 1 | $\frac{\sqrt{y}}{EXP(x)\pi}$   | L | AB   | CDIF | MINUS |
| 6640 | 4488 | 2 |  | L | ABI  | CDIF | PLUS  |
| 6641 | 4489 | 1 | $(EXP(x))^2 y$   | L | AB   | AB   | PLUS  |
| 6642 | 4489 | 2 |  | L | ABI  | AB   | MINUS |
| 6643 | 4490 | 1 | $\frac{(EXP(x))^2}{y}$   | L | AB   | AB   | MINUS |
| 6644 | 4490 | 2 |  | L | ABI  | AB   | PLUS  |
| 6645 | 4491 | 1 | $\sqrt{EXP(x)} \sqrt{y}$   | L | AB   | W    | PLUS  |
| 6646 | 4491 | 2 |  | L | ABI  | W    | MINUS |
| 6647 | 4492 | 1 | $\sqrt{\frac{EXP(x)}{\sqrt{y}}}$   | L | AB   | W    | MINUS |
| 6648 | 4492 | 2 |  | L | ABI  | W    | PLUS  |

|      |      |   |   |   |     |     |       |
|------|------|---|---|---|-----|-----|-------|
| 6649 | 4493 | 1 | $\frac{1}{(EXP(x))^2 y}$                      | L | AB  | ABI | PLUS  |
| 6650 | 4493 | 2 |   | L | ABI | ABI | MINUS |
| 6651 | 4494 | 1 | $\frac{y}{(EXP(x))^2}$                        | L | AB  | ABI | MINUS |
| 6652 | 4494 | 2 |   | L | ABI | ABI | PLUS  |
| 6653 | 4495 | 1 | $(EXP(x))^3 y^{3/2}$                          | L | AB  | K   | PLUS  |
| 6654 | 4495 | 2 |   | L | ABI | K   | MINUS |
| 6655 | 4496 | 1 | $\frac{(EXP(x))^3}{y^{3/2}}$                  | L | AB  | K   | MINUS |
| 6656 | 4496 | 2 |   | L | ABI | K   | PLUS  |
| 6657 | 4497 | 1 | $\frac{1}{(EXP(x))^3 y^{3/2}}$                | L | AB  | KI  | PLUS  |
| 6658 | 4497 | 2 |   | L | ABI | KI  | MINUS |
| 6659 | 4498 | 1 | $\frac{y^{3/2}}{(EXP(x))^3}$                  | L | AB  | KI  | MINUS |
| 6660 | 4498 | 2 |   | L | ABI | KI  | PLUS  |
| 6661 | 4499 | 1 | $e^{EXP(x)\sqrt{y}}$                          | L | AB  | LL  | PLUS  |
| 6662 | 4499 | 2 |   | L | ABI | LL  | MINUS |
| 6663 | 4500 | 1 | $e^{\frac{EXP(x)}{\sqrt{y}}}$                 | L | AB  | LL  | MINUS |
| 6664 | 4500 | 2 |   | L | ABI | LL  | PLUS  |
| 6665 | 4501 | 1 | $LOG(EXP(x)\sqrt{y})$                         | L | AB  | L   | PLUS  |
| 6666 | 4501 | 2 |   | L | ABI | L   | MINUS |
| 6667 | 4502 | 1 | $LOG\left(\frac{EXP(x)}{\sqrt{y}}\right)$     | L | AB  | L   | MINUS |
| 6668 | 4502 | 2 |   | L | ABI | L   | PLUS  |
| 6669 | 4503 | 1 | $\arcsin(EXP(x)\sqrt{y})$                     | L | AB  | S   | PLUS  |
| 6670 | 4503 | 2 |   | L | ABI | S   | MINUS |
| 6671 | 4504 | 1 | $\arcsin\left(\frac{EXP(x)}{\sqrt{y}}\right)$ | L | AB  | S   | MINUS |
| 6672 | 4504 | 2 |   | L | ABI | S   | PLUS  |
| 6673 | 4505 | 1 | $\arctan(EXP(x)\sqrt{y})$                     | L | AB  | T   | PLUS  |
| 6674 | 4505 | 2 |   | L | ABI | T   | MINUS |
| 6675 | 4506 | 1 | $\arctan\left(\frac{EXP(x)}{\sqrt{y}}\right)$ | L | AB  | T   | MINUS |
| 6676 | 4506 | 2 |   | L | ABI | T   | PLUS  |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 6677 | 4507 | 1 | $\sqrt{-(EXP(x))^2 y + 1}$   | L | AB  | P   | PLUS  |
| 6678 | 4507 | 2 |  | L | ABI | P   | MINUS |
| 6679 | 4508 | 1 | $\sqrt{-\frac{(EXP(x))^2 - y}{y}}$   | L | AB  | P   | MINUS |
| 6680 | 4508 | 2 |  | L | ABI | P   | PLUS  |
| 6681 | 4509 | 1 | $\sqrt{(EXP(x))^2 y + 1}$  | L | AB  | H   | PLUS  |
| 6682 | 4509 | 2 |  | L | ABI | H   | MINUS |
| 6683 | 4510 | 1 | $\sqrt{\frac{(EXP(x))^2 + y}{y}}$  | L | AB  | H   | MINUS |
| 6684 | 4510 | 2 |  | L | ABI | H   | PLUS  |
| 6685 | 4511 | 1 | $1/2 e^{EXP(x)\sqrt{y}} - 1/2 e^{-EXP(x)\sqrt{y}}$   | L | AB  | SH  | PLUS  |
| 6686 | 4511 | 2 |  | L | ABI | SH  | MINUS |
| 6687 | 4512 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt{y}}} - 1/2 e^{-\frac{EXP(x)}{\sqrt{y}}}$                                       | L | AB  | SH  | MINUS |
| 6688 | 4512 | 2 |  | L | ABI | SH  | PLUS  |
| 6689 | 4513 | 1 | $1/2 e^{EXP(x)\sqrt{y}} + 1/2 e^{-EXP(x)\sqrt{y}}$   | L | AB  | CH  | PLUS  |
| 6690 | 4513 | 2 |  | L | ABI | CH  | MINUS |
| 6691 | 4514 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt{y}}} + 1/2 e^{-\frac{EXP(x)}{\sqrt{y}}}$                                       | L | AB  | CH  | MINUS |
| 6692 | 4514 | 2 |  | L | ABI | CH  | PLUS  |
| 6693 | 4515 | 1 | $\frac{e^{2 EXP(x)\sqrt{y}} - 1}{e^{2 EXP(x)\sqrt{y}} + 1}$  | L | AB  | TH  | PLUS  |
| 6694 | 4515 | 2 |  | L | ABI | TH  | MINUS |
| 6695 | 4516 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\sqrt{y}}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\sqrt{y}}} + 1 \right)^{-1}$ | L | AB  | TH  | MINUS |
| 6696 | 4516 | 2 |  | L | ABI | TH  | PLUS  |
| 6697 | 4517 | 1 | $EXP(x) y^2$   | L | W   | CD  | PLUS  |
| 6698 | 4518 | 1 | $\frac{EXP(x)}{y^2}$   | L | W   | CD  | MINUS |
| 6699 | 4519 | 1 | $\frac{1}{EXP(x) y^2}$   | L | W   | CDI | PLUS  |
| 6700 | 4520 | 1 | $\frac{y^2}{EXP(x)}$   | L | W   | CDI | MINUS |
| 6701 | 4521 | 1 | $EXP(x) y^2 \pi$   | L | W   | CDF | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 6702 | 4522 | 1 | $\frac{EXP(x)\pi}{y^2}$                  | L | W | CDF  | MINUS |
| 6703 | 4523 | 1 | $\frac{1}{EXP(x)y^2\pi}$                 | L | W | CDIF | PLUS  |
| 6704 | 4524 | 1 | $\frac{y^2}{EXP(x)\pi}$                  | L | W | CDIF | MINUS |
| 6705 | 4525 | 1 | $(EXP(x))^2 y^4$                         | L | W | AB   | PLUS  |
| 6706 | 4526 | 1 | $\frac{(EXP(x))^2}{y^4}$                 | L | W | AB   | MINUS |
| 6707 | 4527 | 1 | $\sqrt{EXP(x)} y^2$                      | L | W | W    | PLUS  |
| 6708 | 4528 | 1 | $\sqrt{\frac{EXP(x)}{y^2}}$              | L | W | W    | MINUS |
| 6709 | 4529 | 1 | $\frac{1}{(EXP(x))^2 y^4}$               | L | W | ABI  | PLUS  |
| 6710 | 4530 | 1 | $\frac{y^4}{(EXP(x))^2}$                 | L | W | ABI  | MINUS |
| 6711 | 4531 | 1 | $(EXP(x))^3 y^6$                         | L | W | K    | PLUS  |
| 6712 | 4532 | 1 | $\frac{(EXP(x))^3}{y^6}$                 | L | W | K    | MINUS |
| 6713 | 4533 | 1 | $\frac{1}{(EXP(x))^3 y^6}$               | L | W | KI   | PLUS  |
| 6714 | 4534 | 1 | $\frac{y^6}{(EXP(x))^3}$                 | L | W | KI   | MINUS |
| 6715 | 4535 | 1 | $e^{EXP(x)y^2}$                          | L | W | LL   | PLUS  |
| 6716 | 4536 | 1 | $e^{\frac{EXP(x)}{y^2}}$                 | L | W | LL   | MINUS |
| 6717 | 4537 | 1 | $LOG(EXP(x) y^2)$                        | L | W | L    | PLUS  |
| 6718 | 4538 | 1 | $LOG\left(\frac{EXP(x)}{y^2}\right)$     | L | W | L    | MINUS |
| 6719 | 4539 | 1 | $\arcsin(EXP(x) y^2)$                    | L | W | S    | PLUS  |
| 6720 | 4540 | 1 | $\arcsin\left(\frac{EXP(x)}{y^2}\right)$ | L | W | S    | MINUS |
| 6721 | 4541 | 1 | $\arctan(EXP(x) y^2)$                    | L | W | T    | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 6722 | 4542 | 1 | $\arctan\left(\frac{EXP(x)}{y^2}\right)$   | L | W  | T   | MINUS |
| 6723 | 4543 | 1 | $\sqrt{-(EXP(x))^2 y^4 + 1}$   | L | W  | P   | PLUS  |
| 6724 | 4544 | 1 | $\sqrt{-\frac{-y^4+(EXP(x))^2}{y^4}}$  | L | W  | P   | MINUS |
| 6725 | 4545 | 1 | $\sqrt{(EXP(x))^2 y^4 + 1}$  | L | W  | H   | PLUS  |
| 6726 | 4546 | 1 | $\sqrt{\frac{y^4+(EXP(x))^2}{y^4}}$  | L | W  | H   | MINUS |
| 6727 | 4547 | 1 | $1/2 e^{EXP(x)y^2} - 1/2 e^{-EXP(x)y^2}$   | L | W  | SH  | PLUS  |
| 6728 | 4548 | 1 | $1/2 e^{\frac{EXP(x)}{y^2}} - 1/2 e^{-\frac{EXP(x)}{y^2}}$                                       | L | W  | SH  | MINUS |
| 6729 | 4549 | 1 | $1/2 e^{EXP(x)y^2} + 1/2 e^{-EXP(x)y^2}$   | L | W  | CH  | PLUS  |
| 6730 | 4550 | 1 | $1/2 e^{\frac{EXP(x)}{y^2}} + 1/2 e^{-\frac{EXP(x)}{y^2}}$                                       | L | W  | CH  | MINUS |
| 6731 | 4551 | 1 | $\frac{e^{2 EXP(x)y^2} - 1}{e^{2 EXP(x)y^2} + 1}$  | L | W  | TH  | PLUS  |
| 6732 | 4552 | 1 | $1 \left( e^{2 \frac{EXP(x)}{y^2}} - 1 \right) \left( e^{2 \frac{EXP(x)}{y^2}} + 1 \right)^{-1}$ | L | W  | TH  | MINUS |
| 6733 | 4553 | 1 | $EXP(x) \sqrt[3]{y}$   | L | K  | CD  | PLUS  |
| 6734 | 4553 | 2 |  | L | KI | CD  | MINUS |
| 6735 | 4554 | 1 | $\frac{EXP(x)}{\sqrt[3]{y}}$   | L | K  | CD  | MINUS |
| 6736 | 4554 | 2 |  | L | KI | CD  | PLUS  |
| 6737 | 4555 | 1 | $\frac{1}{EXP(x) \sqrt[3]{y}}$   | L | K  | CDI | PLUS  |
| 6738 | 4555 | 2 |  | L | KI | CDI | MINUS |
| 6739 | 4556 | 1 | $\frac{\sqrt[3]{y}}{EXP(x)}$   | L | K  | CDI | MINUS |
| 6740 | 4556 | 2 |  | L | KI | CDI | PLUS  |
| 6741 | 4557 | 1 | $EXP(x) \sqrt[3]{y} \pi$   | L | K  | CDF | PLUS  |
| 6742 | 4557 | 2 |  | L | KI | CDF | MINUS |
| 6743 | 4558 | 1 | $\frac{EXP(x) \pi}{\sqrt[3]{y}}$   | L | K  | CDF | MINUS |
| 6744 | 4558 | 2 |  | L | KI | CDF | PLUS  |

|      |      |   |                                     |   |    |      |       |
|------|------|---|-------------------------------------|---|----|------|-------|
| 6745 | 4559 | 1 | $\frac{1}{EXP(x) \sqrt[3]{y}\pi}$   | L | K  | CDIF | PLUS  |
| 6746 | 4559 | 2 |                                     | L | KI | CDIF | MINUS |
| 6747 | 4560 | 1 | $\frac{\sqrt[3]{y}}{EXP(x)\pi}$     | L | K  | CDIF | MINUS |
| 6748 | 4560 | 2 |                                     | L | KI | CDIF | PLUS  |
| 6749 | 4561 | 1 | $(EXP(x))^2 y^{2/3}$                | L | K  | AB   | PLUS  |
| 6750 | 4561 | 2 |                                     | L | KI | AB   | MINUS |
| 6751 | 4562 | 1 | $\frac{(EXP(x))^2}{y^{2/3}}$        | L | K  | AB   | MINUS |
| 6752 | 4562 | 2 |                                     | L | KI | AB   | PLUS  |
| 6753 | 4563 | 1 | $\sqrt{EXP(x) \sqrt[3]{y}}$         | L | K  | W    | PLUS  |
| 6754 | 4563 | 2 |                                     | L | KI | W    | MINUS |
| 6755 | 4564 | 1 | $\sqrt{\frac{EXP(x)}{\sqrt[3]{y}}}$ | L | K  | W    | MINUS |
| 6756 | 4564 | 2 |                                     | L | KI | W    | PLUS  |
| 6757 | 4565 | 1 | $\frac{1}{(EXP(x))^2 y^{2/3}}$      | L | K  | ABI  | PLUS  |
| 6758 | 4565 | 2 |                                     | L | KI | ABI  | MINUS |
| 6759 | 4566 | 1 | $\frac{y^{2/3}}{(EXP(x))^2}$        | L | K  | ABI  | MINUS |
| 6760 | 4566 | 2 |                                     | L | KI | ABI  | PLUS  |
| 6761 | 4567 | 1 | $(EXP(x))^3 y$                      | L | K  | K    | PLUS  |
| 6762 | 4567 | 2 |                                     | L | KI | K    | MINUS |
| 6763 | 4568 | 1 | $\frac{(EXP(x))^3}{y}$              | L | K  | K    | MINUS |
| 6764 | 4568 | 2 |                                     | L | KI | K    | PLUS  |
| 6765 | 4569 | 1 | $\frac{1}{(EXP(x))^3 y}$            | L | K  | KI   | PLUS  |
| 6766 | 4569 | 2 |                                     | L | KI | KI   | MINUS |
| 6767 | 4570 | 1 | $\frac{y}{(EXP(x))^3}$              | L | K  | KI   | MINUS |
| 6768 | 4570 | 2 |                                     | L | KI | KI   | PLUS  |
| 6769 | 4571 | 1 | $e^{EXP(x) \sqrt[3]{y}}$            | L | K  | LL   | PLUS  |
| 6770 | 4571 | 2 |                                     | L | KI | LL   | MINUS |
| 6771 | 4572 | 1 | $e^{\frac{EXP(x)}{\sqrt[3]{y}}}$    | L | K  | LL   | MINUS |
| 6772 | 4572 | 2 |                                     | L | KI | LL   | PLUS  |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 6773 | 4573 | 1 | $LOG (EXP (x) \sqrt[3]{y})$  | L | K  | L  | PLUS  |
| 6774 | 4573 | 2 |  | L | KI | L  | MINUS |
| 6775 | 4574 | 1 | $LOG \left( \frac{EXP(x)}{\sqrt[3]{y}} \right)$                            | L | K  | L  | MINUS |
| 6776 | 4574 | 2 |  | L | KI | L  | PLUS  |
| 6777 | 4575 | 1 | $\arcsin (EXP (x) \sqrt[3]{y})$  | L | K  | S  | PLUS  |
| 6778 | 4575 | 2 |  | L | KI | S  | MINUS |
| 6779 | 4576 | 1 | $\arcsin \left( \frac{EXP(x)}{\sqrt[3]{y}} \right)$                        | L | K  | S  | MINUS |
| 6780 | 4576 | 2 |  | L | KI | S  | PLUS  |
| 6781 | 4577 | 1 | $\arctan (EXP (x) \sqrt[3]{y})$  | L | K  | T  | PLUS  |
| 6782 | 4577 | 2 |  | L | KI | T  | MINUS |
| 6783 | 4578 | 1 | $\arctan \left( \frac{EXP(x)}{\sqrt[3]{y}} \right)$                        | L | K  | T  | MINUS |
| 6784 | 4578 | 2 |  | L | KI | T  | PLUS  |
| 6785 | 4579 | 1 | $\sqrt{-(EXP (x))^2 y^{2/3} + 1}$  | L | K  | P  | PLUS  |
| 6786 | 4579 | 2 |  | L | KI | P  | MINUS |
| 6787 | 4580 | 1 | $\sqrt{-\frac{(EXP(x))^2 - y^{2/3}}{y^{2/3}}}$                             | L | K  | P  | MINUS |
| 6788 | 4580 | 2 |  | L | KI | P  | PLUS  |
| 6789 | 4581 | 1 | $\sqrt{(EXP (x))^2 y^{2/3} + 1}$   | L | K  | H  | PLUS  |
| 6790 | 4581 | 2 |  | L | KI | H  | MINUS |
| 6791 | 4582 | 1 | $\sqrt{\frac{(EXP(x))^2 + y^{2/3}}{y^{2/3}}}$                              | L | K  | H  | MINUS |
| 6792 | 4582 | 2 |  | L | KI | H  | PLUS  |
| 6793 | 4583 | 1 | $1/2 e^{EXP(x) \sqrt[3]{y}} - 1/2 e^{-EXP(x) \sqrt[3]{y}}$                 | L | K  | SH | PLUS  |
| 6794 | 4583 | 2 |  | L | KI | SH | MINUS |
| 6795 | 4584 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt[3]{y}}} - 1/2 e^{-\frac{EXP(x)}{\sqrt[3]{y}}}$ | L | K  | SH | MINUS |
| 6796 | 4584 | 2 |  | L | KI | SH | PLUS  |
| 6797 | 4585 | 1 | $1/2 e^{EXP(x) \sqrt[3]{y}} + 1/2 e^{-EXP(x) \sqrt[3]{y}}$                 | L | K  | CH | PLUS  |
| 6798 | 4585 | 2 |  | L | KI | CH | MINUS |
| 6799 | 4586 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt[3]{y}}} + 1/2 e^{-\frac{EXP(x)}{\sqrt[3]{y}}}$ | L | K  | CH | MINUS |



|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 6800 | 4586 | 2 |  | L | KI | CH   | PLUS  |
| 6801 | 4587 | 1 | $\frac{e^{2 \ EXP(x)} \sqrt[3]{y}-1}{e^{2 \ EXP(x)} \sqrt[3]{y}+1}$  | L | K  | TH   | PLUS  |
| 6802 | 4587 | 2 |  | L | KI | TH   | MINUS |
| 6803 | 4588 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\sqrt[3]{y}}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\sqrt[3]{y}}} + 1 \right)^{-1}$ | L | K  | TH   | MINUS |
| 6804 | 4588 | 2 |  | L | KI | TH   | PLUS  |
| 6805 | 4589 | 1 | $EXP(x) \ln(y)$  | L | LL | CD   | PLUS  |
| 6806 | 4590 | 1 | $\frac{EXP(x)}{\ln(y)}$  | L | LL | CD   | MINUS |
| 6807 | 4591 | 1 | $\frac{1}{EXP(x) \ln(y)}$  | L | LL | CDI  | PLUS  |
| 6808 | 4592 | 1 | $\frac{\ln(y)}{EXP(x)}$  | L | LL | CDI  | MINUS |
| 6809 | 4593 | 1 | $EXP(x) \ln(y) \pi$  | L | LL | CDF  | PLUS  |
| 6810 | 4594 | 1 | $\frac{EXP(x) \pi}{\ln(y)}$  | L | LL | CDF  | MINUS |
| 6811 | 4595 | 1 | $\frac{1}{EXP(x) \ln(y) \pi}$  | L | LL | CDIF | PLUS  |
| 6812 | 4596 | 1 | $\frac{\ln(y)}{EXP(x) \pi}$  | L | LL | CDIF | MINUS |
| 6813 | 4597 | 1 | $(EXP(x))^2 (\ln(y))^2$  | L | LL | AB   | PLUS  |
| 6814 | 4598 | 1 | $\frac{(EXP(x))^2}{(\ln(y))^2}$  | L | LL | AB   | MINUS |
| 6815 | 4599 | 1 | $\sqrt{EXP(x) \ln(y)}$   | L | LL | W    | PLUS  |
| 6816 | 4600 | 1 | $\sqrt{\frac{EXP(x)}{\ln(y)}}$   | L | LL | W    | MINUS |
| 6817 | 4601 | 1 | $\frac{1}{(EXP(x))^2 (\ln(y))^2}$  | L | LL | ABI  | PLUS  |
| 6818 | 4602 | 1 | $\frac{(\ln(y))^2}{(EXP(x))^2}$  | L | LL | ABI  | MINUS |
| 6819 | 4603 | 1 | $(EXP(x))^3 (\ln(y))^3$  | L | LL | K    | PLUS  |
| 6820 | 4604 | 1 | $\frac{(EXP(x))^3}{(\ln(y))^3}$  | L | LL | K    | MINUS |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 6821 | 4605 | 1 | $\frac{1}{(EXP(x))^3(\ln(y))^3}$   | L | LL | KI | PLUS  |
| 6822 | 4606 | 1 | $\frac{(\ln(y))^3}{(EXP(x))^3}$  | L | LL | KI | MINUS |
| 6823 | 4607 | 1 | $y^{EXP(x)}$   | L | LL | LL | PLUS  |
| 6824 | 4608 | 1 | $e^{\frac{EXP(x)}{\ln(y)}}$  | L | LL | LL | MINUS |
| 6825 | 4609 | 1 | $LOG(EXP(x) \ln(y))$   | L | LL | L  | PLUS  |
| 6826 | 4610 | 1 | $LOG\left(\frac{EXP(x)}{\ln(y)}\right)$  | L | LL | L  | MINUS |
| 6827 | 4611 | 1 | $\arcsin(EXP(x) \ln(y))$   | L | LL | S  | PLUS  |
| 6828 | 4612 | 1 | $\arcsin\left(\frac{EXP(x)}{\ln(y)}\right)$  | L | LL | S  | MINUS |
| 6829 | 4613 | 1 | $\arctan(EXP(x) \ln(y))$   | L | LL | T  | PLUS  |
| 6830 | 4614 | 1 | $\arctan\left(\frac{EXP(x)}{\ln(y)}\right)$  | L | LL | T  | MINUS |
| 6831 | 4615 | 1 | $\sqrt{-(EXP(x))^2(\ln(y))^2 + 1}$   | L | LL | P  | PLUS  |
| 6832 | 4616 | 1 | $\sqrt{\frac{(\ln(y))^2 - (EXP(x))^2}{(\ln(y))^2}}$  | L | LL | P  | MINUS |
| 6833 | 4617 | 1 | $\sqrt{(EXP(x))^2(\ln(y))^2 + 1}$  | L | LL | H  | PLUS  |
| 6834 | 4618 | 1 | $\sqrt{\frac{(\ln(y))^2 + (EXP(x))^2}{(\ln(y))^2}}$  | L | LL | H  | MINUS |
| 6835 | 4619 | 1 | $1/2 y^{EXP(x)} - 1/2 y^{-EXP(x)}$   | L | LL | SH | PLUS  |
| 6836 | 4620 | 1 | $1/2 e^{\frac{EXP(x)}{\ln(y)}} - 1/2 e^{-\frac{EXP(x)}{\ln(y)}}$                                       | L | LL | SH | MINUS |
| 6837 | 4621 | 1 | $1/2 y^{EXP(x)} + 1/2 y^{-EXP(x)}$   | L | LL | CH | PLUS  |
| 6838 | 4622 | 1 | $1/2 e^{\frac{EXP(x)}{\ln(y)}} + 1/2 e^{-\frac{EXP(x)}{\ln(y)}}$                                       | L | LL | CH | MINUS |
| 6839 | 4623 | 1 | $\frac{y^{2 EXP(x)} - 1}{y^{2 EXP(x)} + 1}$  | L | LL | TH | PLUS  |
| 6840 | 4624 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\ln(y)}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\ln(y)}} + 1 \right)^{-1}$ | L | LL | TH | MINUS |

|      |      |   |                                   |   |   |      |       |
|------|------|---|-----------------------------------|---|---|------|-------|
| 6841 | 4625 | 1 | $EXP(x) EXP(y)$                   | L | L | CD   | PLUS  |
| 6842 | 4626 | 1 | $\frac{EXP(x)}{EXP(y)}$           | L | L | CD   | MINUS |
| 6843 | 4627 | 1 | $\frac{1}{EXP(x)EXP(y)}$          | L | L | CDI  | PLUS  |
| 6844 | 4628 | 1 | $\frac{EXP(y)}{EXP(x)}$           | L | L | CDI  | MINUS |
| 6845 | 4629 | 1 | $EXP(x) EXP(y) \pi$               | L | L | CDF  | PLUS  |
| 6846 | 4630 | 1 | $\frac{EXP(x)\pi}{EXP(y)}$        | L | L | CDF  | MINUS |
| 6847 | 4631 | 1 | $\frac{1}{EXP(x)EXP(y)\pi}$       | L | L | CDIF | PLUS  |
| 6848 | 4632 | 1 | $\frac{EXP(y)}{EXP(x)\pi}$        | L | L | CDIF | MINUS |
| 6849 | 4633 | 1 | $(EXP(x))^2 (EXP(y))^2$           | L | L | AB   | PLUS  |
| 6850 | 4634 | 1 | $\frac{(EXP(x))^2}{(EXP(y))^2}$   | L | L | AB   | MINUS |
| 6851 | 4635 | 1 | $\sqrt{EXP(x) EXP(y)}$            | L | L | W    | PLUS  |
| 6852 | 4636 | 1 | $\sqrt{\frac{EXP(x)}{EXP(y)}}$    | L | L | W    | MINUS |
| 6853 | 4637 | 1 | $\frac{1}{(EXP(x))^2 (EXP(y))^2}$ | L | L | ABI  | PLUS  |
| 6854 | 4638 | 1 | $\frac{(EXP(y))^2}{(EXP(x))^2}$   | L | L | ABI  | MINUS |
| 6855 | 4639 | 1 | $(EXP(x))^3 (EXP(y))^3$           | L | L | K    | PLUS  |
| 6856 | 4640 | 1 | $\frac{(EXP(x))^3}{(EXP(y))^3}$   | L | L | K    | MINUS |
| 6857 | 4641 | 1 | $\frac{1}{(EXP(x))^3 (EXP(y))^3}$ | L | L | KI   | PLUS  |
| 6858 | 4642 | 1 | $\frac{(EXP(y))^3}{(EXP(x))^3}$   | L | L | KI   | MINUS |
| 6859 | 4643 | 1 | $e^{EXP(x)EXP(y)}$                | L | L | LL   | PLUS  |
| 6860 | 4644 | 1 | $e^{\frac{EXP(x)}{EXP(y)}}$       | L | L | LL   | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 6861 | 4645 | 1 | $LOG (EXP (x) EXP (y))$  | L | L | L   | PLUS  |
| 6862 | 4646 | 1 | $LOG \left( \frac{EXP(x)}{EXP(y)} \right)$   | L | L | L   | MINUS |
| 6863 | 4647 | 1 | $\arcsin (EXP (x) EXP (y))$  | L | L | S   | PLUS  |
| 6864 | 4648 | 1 | $\arcsin \left( \frac{EXP(x)}{EXP(y)} \right)$   | L | L | S   | MINUS |
| 6865 | 4649 | 1 | $\arctan (EXP (x) EXP (y))$  | L | L | T   | PLUS  |
| 6866 | 4650 | 1 | $\arctan \left( \frac{EXP(x)}{EXP(y)} \right)$   | L | L | T   | MINUS |
| 6867 | 4651 | 1 | $\sqrt{-(EXP (x))^2 (EXP (y))^2 + 1}$  | L | L | P   | PLUS  |
| 6868 | 4652 | 1 | $\sqrt{-\frac{(EXP(x))^2 - (EXP(y))^2}{(EXP(y))^2}}$   | L | L | P   | MINUS |
| 6869 | 4653 | 1 | $\sqrt{(EXP (x))^2 (EXP (y))^2 + 1}$   | L | L | H   | PLUS  |
| 6870 | 4654 | 1 | $\sqrt{\frac{(EXP(x))^2 + (EXP(y))^2}{(EXP(y))^2}}$  | L | L | H   | MINUS |
| 6871 | 4655 | 1 | $1/2 e^{EXP(x)EXP(y)} - 1/2 e^{-EXP(x)EXP(y)}$   | L | L | SH  | PLUS  |
| 6872 | 4656 | 1 | $1/2 e^{\frac{EXP(x)}{EXP(y)}} - 1/2 e^{-\frac{EXP(x)}{EXP(y)}}$                                       | L | L | SH  | MINUS |
| 6873 | 4657 | 1 | $1/2 e^{EXP(x)EXP(y)} + 1/2 e^{-EXP(x)EXP(y)}$   | L | L | CH  | PLUS  |
| 6874 | 4658 | 1 | $1/2 e^{\frac{EXP(x)}{EXP(y)}} + 1/2 e^{-\frac{EXP(x)}{EXP(y)}}$                                       | L | L | CH  | MINUS |
| 6875 | 4659 | 1 | $\frac{e^{2 EXP(x)EXP(y)} - 1}{e^{2 EXP(x)EXP(y)} + 1}$  | L | L | TH  | PLUS  |
| 6876 | 4660 | 1 | $1 \left( e^{2 \frac{EXP(x)}{EXP(y)}} - 1 \right) \left( e^{2 \frac{EXP(x)}{EXP(y)}} + 1 \right)^{-1}$ | L | L | TH  | MINUS |
| 6877 | 4661 | 1 | $EXP (x) \sin (y)$   | L | S | CD  | PLUS  |
| 6878 | 4662 | 1 | $\frac{EXP(x)}{\sin(y)}$   | L | S | CD  | MINUS |
| 6879 | 4663 | 1 | $\frac{1}{EXP(x) \sin(y)}$   | L | S | CDI | PLUS  |
| 6880 | 4664 | 1 | $\frac{\sin(y)}{EXP(x)}$   | L | S | CDI | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 6881 | 4665 | 1 | $EXP(x) \sin(y) \pi$                         | L | S | CDF  | PLUS  |
| 6882 | 4666 | 1 | $\frac{EXP(x)\pi}{\sin(y)}$                  | L | S | CDF  | MINUS |
| 6883 | 4667 | 1 | $\frac{1}{EXP(x) \sin(y) \pi}$               | L | S | CDIF | PLUS  |
| 6884 | 4668 | 1 | $\frac{\sin(y)}{EXP(x) \pi}$                 | L | S | CDIF | MINUS |
| 6885 | 4669 | 1 | $(EXP(x))^2 (\sin(y))^2$                     | L | S | AB   | PLUS  |
| 6886 | 4670 | 1 | $\frac{(EXP(x))^2}{(\sin(y))^2}$             | L | S | AB   | MINUS |
| 6887 | 4671 | 1 | $\sqrt{EXP(x) \sin(y)}$                      | L | S | W    | PLUS  |
| 6888 | 4672 | 1 | $\sqrt{\frac{EXP(x)}{\sin(y)}}$              | L | S | W    | MINUS |
| 6889 | 4673 | 1 | $\frac{1}{(EXP(x))^2 (\sin(y))^2}$           | L | S | ABI  | PLUS  |
| 6890 | 4674 | 1 | $\frac{(\sin(y))^2}{(EXP(x))^2}$             | L | S | ABI  | MINUS |
| 6891 | 4675 | 1 | $(EXP(x))^3 (\sin(y))^3$                     | L | S | K    | PLUS  |
| 6892 | 4676 | 1 | $\frac{(EXP(x))^3}{(\sin(y))^3}$             | L | S | K    | MINUS |
| 6893 | 4677 | 1 | $\frac{1}{(EXP(x))^3 (\sin(y))^3}$           | L | S | KI   | PLUS  |
| 6894 | 4678 | 1 | $\frac{(\sin(y))^3}{(EXP(x))^3}$             | L | S | KI   | MINUS |
| 6895 | 4679 | 1 | $e^{EXP(x) \sin(y)}$                         | L | S | LL   | PLUS  |
| 6896 | 4680 | 1 | $e^{\frac{EXP(x)}{\sin(y)}}$                 | L | S | LL   | MINUS |
| 6897 | 4681 | 1 | $LOG(EXP(x) \sin(y))$                        | L | S | L    | PLUS  |
| 6898 | 4682 | 1 | $LOG\left(\frac{EXP(x)}{\sin(y)}\right)$     | L | S | L    | MINUS |
| 6899 | 4683 | 1 | $\arcsin(EXP(x) \sin(y))$                    | L | S | S    | PLUS  |
| 6900 | 4684 | 1 | $\arcsin\left(\frac{EXP(x)}{\sin(y)}\right)$ | L | S | S    | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 6901 | 4685 | 1 | $\arctan (EXP (x) \sin (y))$   | L | S | T    | PLUS  |
| 6902 | 4686 | 1 | $\arctan \left( \frac{EXP(x)}{\sin(y)} \right)$  | L | S | T    | MINUS |
| 6903 | 4687 | 1 | $\sqrt{(EXP (x))^2 (\cos (y))^2 - (EXP (x))^2 + 1}$  | L | S | P    | PLUS  |
| 6904 | 4688 | 1 | $\sqrt{-\frac{(EXP(x))^2 - (\sin(y))^2}{(\sin(y))^2}}$   | L | S | P    | MINUS |
| 6905 | 4689 | 1 | $\sqrt{-(EXP (x))^2 (\cos (y))^2 + (EXP (x))^2 + 1}$   | L | S | H    | PLUS  |
| 6906 | 4690 | 1 | $\sqrt{\frac{(EXP(x))^2 + (\sin(y))^2}{(\sin(y))^2}}$  | L | S | H    | MINUS |
| 6907 | 4691 | 1 | $1/2 e^{EXP(x) \sin(y)} - 1/2 e^{-EXP(x) \sin(y)}$   | L | S | SH   | PLUS  |
| 6908 | 4692 | 1 | $1/2 e^{\frac{EXP(x)}{\sin(y)}} - 1/2 e^{-\frac{EXP(x)}{\sin(y)}}$                                       | L | S | SH   | MINUS |
| 6909 | 4693 | 1 | $1/2 e^{EXP(x) \sin(y)} + 1/2 e^{-EXP(x) \sin(y)}$   | L | S | CH   | PLUS  |
| 6910 | 4694 | 1 | $1/2 e^{\frac{EXP(x)}{\sin(y)}} + 1/2 e^{-\frac{EXP(x)}{\sin(y)}}$                                       | L | S | CH   | MINUS |
| 6911 | 4695 | 1 | $\frac{e^{2 EXP(x) \sin(y)} - 1}{e^{2 EXP(x) \sin(y)} + 1}$  | L | S | TH   | PLUS  |
| 6912 | 4696 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\sin(y)}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\sin(y)}} + 1 \right)^{-1}$ | L | S | TH   | MINUS |
| 6913 | 4697 | 1 | $EXP (x) \tan (y)$   | L | T | CD   | PLUS  |
| 6914 | 4698 | 1 | $\frac{EXP(x)}{\tan(y)}$   | L | T | CD   | MINUS |
| 6915 | 4699 | 1 | $\frac{1}{EXP(x) \tan(y)}$   | L | T | CDI  | PLUS  |
| 6916 | 4700 | 1 | $\frac{\tan(y)}{EXP(x)}$   | L | T | CDI  | MINUS |
| 6917 | 4701 | 1 | $EXP (x) \tan (y) \pi$   | L | T | CDF  | PLUS  |
| 6918 | 4702 | 1 | $\frac{EXP(x) \pi}{\tan(y)}$   | L | T | CDF  | MINUS |
| 6919 | 4703 | 1 | $\frac{1}{EXP(x) \tan(y) \pi}$   | L | T | CDIF | PLUS  |
| 6920 | 4704 | 1 | $\frac{\tan(y)}{EXP(x) \pi}$   | L | T | CDIF | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 6921 | 4705 | 1 | $(EXP(x))^2 (\tan(y))^2$   | L | T | AB  | PLUS  |
| 6922 | 4706 | 1 | $\frac{(EXP(x))^2}{(\tan(y))^2}$   | L | T | AB  | MINUS |
| 6923 | 4707 | 1 | $\sqrt{EXP(x) \tan(y)}$  | L | T | W   | PLUS  |
| 6924 | 4708 | 1 | $\sqrt{\frac{EXP(x)}{\tan(y)}}$  | L | T | W   | MINUS |
| 6925 | 4709 | 1 | $\frac{1}{(EXP(x))^2 (\tan(y))^2}$   | L | T | ABI | PLUS  |
| 6926 | 4710 | 1 | $\frac{(\tan(y))^2}{(EXP(x))^2}$   | L | T | ABI | MINUS |
| 6927 | 4711 | 1 | $(EXP(x))^3 (\tan(y))^3$   | L | T | K   | PLUS  |
| 6928 | 4712 | 1 | $\frac{(EXP(x))^3}{(\tan(y))^3}$   | L | T | K   | MINUS |
| 6929 | 4713 | 1 | $\frac{1}{(EXP(x))^3 (\tan(y))^3}$   | L | T | KI  | PLUS  |
| 6930 | 4714 | 1 | $\frac{(\tan(y))^3}{(EXP(x))^3}$   | L | T | KI  | MINUS |
| 6931 | 4715 | 1 | $e^{EXP(x) \tan(y)}$   | L | T | LL  | PLUS  |
| 6932 | 4716 | 1 | $e^{\frac{EXP(x)}{\tan(y)}}$   | L | T | LL  | MINUS |
| 6933 | 4717 | 1 | $LOG(EXP(x) \tan(y))$  | L | T | L   | PLUS  |
| 6934 | 4718 | 1 | $LOG\left(\frac{EXP(x)}{\tan(y)}\right)$                                       | L | T | L   | MINUS |
| 6935 | 4719 | 1 | $\arcsin(EXP(x) \tan(y))$  | L | T | S   | PLUS  |
| 6936 | 4720 | 1 | $\arcsin\left(\frac{EXP(x)}{\tan(y)}\right)$                                   | L | T | S   | MINUS |
| 6937 | 4721 | 1 | $\arctan(EXP(x) \tan(y))$  | L | T | T   | PLUS  |
| 6938 | 4722 | 1 | $\arctan\left(\frac{EXP(x)}{\tan(y)}\right)$                                   | L | T | T   | MINUS |
| 6939 | 4723 | 1 | $\sqrt{\frac{(EXP(x))^2 (\cos(y))^2 - (EXP(x))^2 + (\cos(y))^2}{(\cos(y))^2}}$ | L | T | P   | PLUS  |
| 6940 | 4724 | 1 | $\sqrt{\frac{(\tan(y))^2 - (EXP(x))^2}{(\tan(y))^2}}$                          | L | T | P   | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 6941 | 4725 | 1 | $\sqrt{-\frac{(EXP(x))^2(\cos(y))^2-(EXP(x))^2-(\cos(y))^2}{(\cos(y))^2}}$                               | L | T | H    | PLUS  |
| 6942 | 4726 | 1 | $\sqrt{\frac{(\tan(y))^2+(EXP(x))^2}{(\tan(y))^2}}$  | L | T | H    | MINUS |
| 6943 | 4727 | 1 | $1/2 e^{EXP(x) \tan(y)} - 1/2 e^{-EXP(x) \tan(y)}$   | L | T | SH   | PLUS  |
| 6944 | 4728 | 1 | $1/2 e^{\frac{EXP(x)}{\tan(y)}} - 1/2 e^{-\frac{EXP(x)}{\tan(y)}}$                                       | L | T | SH   | MINUS |
| 6945 | 4729 | 1 | $1/2 e^{EXP(x) \tan(y)} + 1/2 e^{-EXP(x) \tan(y)}$   | L | T | CH   | PLUS  |
| 6946 | 4730 | 1 | $1/2 e^{\frac{EXP(x)}{\tan(y)}} + 1/2 e^{-\frac{EXP(x)}{\tan(y)}}$                                       | L | T | CH   | MINUS |
| 6947 | 4731 | 1 | $\frac{e^{2 EXP(x) \tan(y)} - 1}{e^{2 EXP(x) \tan(y)} + 1}$  | L | T | TH   | PLUS  |
| 6948 | 4732 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\tan(y)}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\tan(y)}} + 1 \right)^{-1}$ | L | T | TH   | MINUS |
| 6949 | 4733 | 1 | $EXP(x) \sqrt{-y^2 + 1}$   | L | P | CD   | PLUS  |
| 6950 | 4734 | 1 | $\frac{EXP(x)}{\sqrt{-y^2 + 1}}$   | L | P | CD   | MINUS |
| 6951 | 4735 | 1 | $\frac{1}{EXP(x) \sqrt{-y^2 + 1}}$   | L | P | CDI  | PLUS  |
| 6952 | 4736 | 1 | $\frac{\sqrt{-y^2 + 1}}{EXP(x)}$   | L | P | CDI  | MINUS |
| 6953 | 4737 | 1 | $EXP(x) \sqrt{-y^2 + 1} \pi$   | L | P | CDF  | PLUS  |
| 6954 | 4738 | 1 | $\frac{EXP(x) \pi}{\sqrt{-y^2 + 1}}$   | L | P | CDF  | MINUS |
| 6955 | 4739 | 1 | $\frac{1}{EXP(x) \sqrt{-y^2 + 1} \pi}$   | L | P | CDIF | PLUS  |
| 6956 | 4740 | 1 | $\frac{\sqrt{-y^2 + 1}}{EXP(x) \pi}$   | L | P | CDIF | MINUS |
| 6957 | 4741 | 1 | $(EXP(x))^2 (-y^2 + 1)$  | L | P | AB   | PLUS  |
| 6958 | 4742 | 1 | $-\frac{(EXP(x))^2}{y^2 - 1}$  | L | P | AB   | MINUS |
| 6959 | 4743 | 1 | $\sqrt{EXP(x) \sqrt{-y^2 + 1}}$  | L | P | W    | PLUS  |



|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 6960 | 4744 | 1 | $\sqrt{\frac{EXP(x)}{\sqrt{-y^2+1}}}$              | L | P | W   | MINUS |
| 6961 | 4745 | 1 | $-\frac{1}{(EXP(x))^2(y^2-1)}$                     | L | P | ABI | PLUS  |
| 6962 | 4746 | 1 | $\frac{-y^2+1}{(EXP(x))^2}$                        | L | P | ABI | MINUS |
| 6963 | 4747 | 1 | $(EXP(x))^3(-y^2+1)^{3/2}$                         | L | P | K   | PLUS  |
| 6964 | 4748 | 1 | $\frac{(EXP(x))^3}{(-y^2+1)^{3/2}}$                | L | P | K   | MINUS |
| 6965 | 4749 | 1 | $\frac{1}{(EXP(x))^3(-y^2+1)^{3/2}}$               | L | P | KI  | PLUS  |
| 6966 | 4750 | 1 | $\frac{(-y^2+1)^{3/2}}{(EXP(x))^3}$                | L | P | KI  | MINUS |
| 6967 | 4751 | 1 | $e^{EXP(x)\sqrt{-y^2+1}}$                          | L | P | LL  | PLUS  |
| 6968 | 4752 | 1 | $e^{\frac{EXP(x)}{\sqrt{-y^2+1}}}$                 | L | P | LL  | MINUS |
| 6969 | 4753 | 1 | $LOG\left(EXP(x)\sqrt{-y^2+1}\right)$              | L | P | L   | PLUS  |
| 6970 | 4754 | 1 | $LOG\left(\frac{EXP(x)}{\sqrt{-y^2+1}}\right)$     | L | P | L   | MINUS |
| 6971 | 4755 | 1 | $\arcsin\left(EXP(x)\sqrt{-y^2+1}\right)$          | L | P | S   | PLUS  |
| 6972 | 4756 | 1 | $\arcsin\left(\frac{EXP(x)}{\sqrt{-y^2+1}}\right)$ | L | P | S   | MINUS |
| 6973 | 4757 | 1 | $\arctan\left(EXP(x)\sqrt{-y^2+1}\right)$          | L | P | T   | PLUS  |
| 6974 | 4758 | 1 | $\arctan\left(\frac{EXP(x)}{\sqrt{-y^2+1}}\right)$ | L | P | T   | MINUS |
| 6975 | 4759 | 1 | $\sqrt{(EXP(x))^2y^2-(EXP(x))^2+1}$                | L | P | P   | PLUS  |
| 6976 | 4759 | 2 |  | L | H | H   | PLUS  |
| 6977 | 4760 | 1 | $\sqrt{\frac{(EXP(x))^2+y^2-1}{y^2-1}}$            | L | P | P   | MINUS |
| 6978 | 4760 | 2 |  | L | H | H   | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 6979 | 4761 | 1 | $\sqrt{-(EXP(x))^2 y^2 + (EXP(x))^2 + 1}$  | L | P | H    | PLUS  |
| 6980 | 4761 | 2 |  | L | H | P    | PLUS  |
| 6981 | 4762 | 1 | $\sqrt{-\frac{(EXP(x))^2 - y^2 + 1}{y^2 - 1}}$   | L | P | H    | MINUS |
| 6982 | 4762 | 2 |  | L | H | P    | MINUS |
| 6983 | 4763 | 1 | $1/2 e^{EXP(x)\sqrt{-y^2+1}} - 1/2 e^{-EXP(x)\sqrt{-y^2+1}}$   | L | P | SH   | PLUS  |
| 6984 | 4764 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{EXP(x)}{\sqrt{-y^2+1}}}$                                       | L | P | SH   | MINUS |
| 6985 | 4765 | 1 | $1/2 e^{EXP(x)\sqrt{-y^2+1}} + 1/2 e^{-EXP(x)\sqrt{-y^2+1}}$   | L | P | CH   | PLUS  |
| 6986 | 4766 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{EXP(x)}{\sqrt{-y^2+1}}}$                                       | L | P | CH   | MINUS |
| 6987 | 4767 | 1 | $\frac{e^{2 EXP(x)\sqrt{-y^2+1}} - 1}{e^{2 EXP(x)\sqrt{-y^2+1}} + 1}$  | L | P | TH   | PLUS  |
| 6988 | 4768 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\sqrt{-y^2+1}}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | L | P | TH   | MINUS |
| 6989 | 4769 | 1 | $EXP(x) \sqrt{y^2 - 1}$  | L | H | CD   | PLUS  |
| 6990 | 4770 | 1 | $\frac{EXP(x)}{\sqrt{y^2 - 1}}$  | L | H | CD   | MINUS |
| 6991 | 4771 | 1 | $\frac{1}{EXP(x)\sqrt{y^2 - 1}}$   | L | H | CDI  | PLUS  |
| 6992 | 4772 | 1 | $\frac{\sqrt{y^2 - 1}}{EXP(x)}$  | L | H | CDI  | MINUS |
| 6993 | 4773 | 1 | $EXP(x) \sqrt{y^2 - 1} \pi$  | L | H | CDF  | PLUS  |
| 6994 | 4774 | 1 | $\frac{EXP(x)\pi}{\sqrt{y^2 - 1}}$   | L | H | CDF  | MINUS |
| 6995 | 4775 | 1 | $\frac{1}{EXP(x)\sqrt{y^2 - 1}\pi}$  | L | H | CDIF | PLUS  |
| 6996 | 4776 | 1 | $\frac{\sqrt{y^2 - 1}}{EXP(x)\pi}$   | L | H | CDIF | MINUS |
| 6997 | 4777 | 1 | $(EXP(x))^2 (y^2 - 1)$   | L | H | AB   | PLUS  |
| 6998 | 4778 | 1 | $\frac{(EXP(x))^2}{y^2 - 1}$   | L | H | AB   | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 6999 | 4779 | 1 | $\sqrt{EXP(x)} \sqrt{y^2 - 1}$   | L | H | W   | PLUS  |
| 7000 | 4780 | 1 | $\sqrt{\frac{EXP(x)}{\sqrt{y^2 - 1}}}$   | L | H | W   | MINUS |
| 7001 | 4781 | 1 | $\frac{1}{(EXP(x))^2 (y^2 - 1)}$   | L | H | ABI | PLUS  |
| 7002 | 4782 | 1 | $\frac{y^2 - 1}{(EXP(x))^2}$   | L | H | ABI | MINUS |
| 7003 | 4783 | 1 | $(EXP(x))^3 (y^2 - 1)^{3/2}$   | L | H | K   | PLUS  |
| 7004 | 4784 | 1 | $\frac{(EXP(x))^3}{(y^2 - 1)^{3/2}}$   | L | H | K   | MINUS |
| 7005 | 4785 | 1 | $\frac{1}{(EXP(x))^3 (y^2 - 1)^{3/2}}$   | L | H | KI  | PLUS  |
| 7006 | 4786 | 1 | $\frac{(y^2 - 1)^{3/2}}{(EXP(x))^3}$   | L | H | KI  | MINUS |
| 7007 | 4787 | 1 | $e^{EXP(x) \sqrt{y^2 - 1}}$  | L | H | LL  | PLUS  |
| 7008 | 4788 | 1 | $e^{\frac{EXP(x)}{\sqrt{y^2 - 1}}}$  | L | H | LL  | MINUS |
| 7009 | 4789 | 1 | $LOG \left( EXP(x) \sqrt{y^2 - 1} \right)$                                       | L | H | L   | PLUS  |
| 7010 | 4790 | 1 | $LOG \left( \frac{EXP(x)}{\sqrt{y^2 - 1}} \right)$                               | L | H | L   | MINUS |
| 7011 | 4791 | 1 | $\arcsin \left( EXP(x) \sqrt{y^2 - 1} \right)$                                   | L | H | S   | PLUS  |
| 7012 | 4792 | 1 | $\arcsin \left( \frac{EXP(x)}{\sqrt{y^2 - 1}} \right)$                           | L | H | S   | MINUS |
| 7013 | 4793 | 1 | $\arctan \left( EXP(x) \sqrt{y^2 - 1} \right)$                                   | L | H | T   | PLUS  |
| 7014 | 4794 | 1 | $\arctan \left( \frac{EXP(x)}{\sqrt{y^2 - 1}} \right)$                           | L | H | T   | MINUS |
| 7015 | 4795 | 1 | $1/2 e^{EXP(x) \sqrt{y^2 - 1}} - 1/2 e^{-EXP(x) \sqrt{y^2 - 1}}$                 | L | H | SH  | PLUS  |
| 7016 | 4796 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt{y^2 - 1}}} - 1/2 e^{-\frac{EXP(x)}{\sqrt{y^2 - 1}}}$ | L | H | SH  | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 7017 | 4797 | 1 | $1/2 e^{EXP(x)\sqrt{y^2-1}} + 1/2 e^{-EXP(x)\sqrt{y^2-1}}$   | L | H  | CH   | PLUS  |
| 7018 | 4798 | 1 | $1/2 e^{\frac{EXP(x)}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{EXP(x)}{\sqrt{y^2-1}}}$                                       | L | H  | CH   | MINUS |
| 7019 | 4799 | 1 | $\frac{e^{2 \frac{EXP(x)\sqrt{y^2-1}}{1}} - 1}{e^{2 \frac{EXP(x)\sqrt{y^2-1}}{1}} + 1}$                            | L | H  | TH   | PLUS  |
| 7020 | 4800 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\sqrt{y^2-1}}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\sqrt{y^2-1}}} + 1 \right)^{-1}$ | L | H  | TH   | MINUS |
| 7021 | 4801 | 1 | $EXP(x) \ln(y + \sqrt{y^2+1})$   | L | SH | CD   | PLUS  |
| 7022 | 4802 | 1 | $\frac{EXP(x)}{\ln(y + \sqrt{y^2+1})}$   | L | SH | CD   | MINUS |
| 7023 | 4803 | 1 | $\frac{1}{EXP(x) \ln(y + \sqrt{y^2+1})}$   | L | SH | CDI  | PLUS  |
| 7024 | 4804 | 1 | $\frac{\ln(y + \sqrt{y^2+1})}{EXP(x)}$   | L | SH | CDI  | MINUS |
| 7025 | 4805 | 1 | $EXP(x) \ln(y + \sqrt{y^2+1}) \pi$   | L | SH | CDF  | PLUS  |
| 7026 | 4806 | 1 | $\frac{EXP(x)\pi}{\ln(y + \sqrt{y^2+1})}$  | L | SH | CDF  | MINUS |
| 7027 | 4807 | 1 | $\frac{1}{EXP(x) \ln(y + \sqrt{y^2+1}) \pi}$   | L | SH | CDIF | PLUS  |
| 7028 | 4808 | 1 | $\frac{\ln(y + \sqrt{y^2+1})}{EXP(x)\pi}$  | L | SH | CDIF | MINUS |
| 7029 | 4809 | 1 | $(EXP(x))^2 \left( \ln(y + \sqrt{y^2+1}) \right)^2$  | L | SH | AB   | PLUS  |
| 7030 | 4810 | 1 | $\frac{(EXP(x))^2}{\left( \ln(y + \sqrt{y^2+1}) \right)^2}$  | L | SH | AB   | MINUS |
| 7031 | 4811 | 1 | $\sqrt{EXP(x) \ln(y + \sqrt{y^2+1})}$  | L | SH | W    | PLUS  |
| 7032 | 4812 | 1 | $\sqrt{\frac{EXP(x)}{\ln(y + \sqrt{y^2+1})}}$  | L | SH | W    | MINUS |
| 7033 | 4813 | 1 | $\frac{1}{(EXP(x))^2 \left( \ln(y + \sqrt{y^2+1}) \right)^2}$  | L | SH | ABI  | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 7034 | 4814 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}{\left(\text{EXP}(x)\right)^2}$   | L | SH | ABI | MINUS |
| 7035 | 4815 | 1 | $\left(\text{EXP}(x)\right)^3\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3$  | L | SH | K   | PLUS  |
| 7036 | 4816 | 1 | $\frac{\left(\text{EXP}(x)\right)^3}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}$   | L | SH | K   | MINUS |
| 7037 | 4817 | 1 | $\frac{1}{\left(\text{EXP}(x)\right)^3\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}$  | L | SH | KI  | PLUS  |
| 7038 | 4818 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}{\left(\text{EXP}(x)\right)^3}$   | L | SH | KI  | MINUS |
| 7039 | 4819 | 1 | $\left(y+\sqrt{y^2+1}\right)^{\text{EXP}(x)}$  | L | SH | LL  | PLUS  |
| 7040 | 4820 | 1 | $e^{\frac{\text{EXP}(x)}{\ln\left(y+\sqrt{y^2+1}\right)}}$   | L | SH | LL  | MINUS |
| 7041 | 4821 | 1 | $\text{LOG}\left(\text{EXP}(x)\ln\left(y+\sqrt{y^2+1}\right)\right)$   | L | SH | L   | PLUS  |
| 7042 | 4822 | 1 | $\text{LOG}\left(\frac{\text{EXP}(x)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$  | L | SH | L   | MINUS |
| 7043 | 4823 | 1 | $\arcsin\left(\text{EXP}(x)\ln\left(y+\sqrt{y^2+1}\right)\right)$  | L | SH | S   | PLUS  |
| 7044 | 4824 | 1 | $\arcsin\left(\frac{\text{EXP}(x)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | L | SH | S   | MINUS |
| 7045 | 4825 | 1 | $\arctan\left(\text{EXP}(x)\ln\left(y+\sqrt{y^2+1}\right)\right)$  | L | SH | T   | PLUS  |
| 7046 | 4826 | 1 | $\arctan\left(\frac{\text{EXP}(x)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | L | SH | T   | MINUS |
| 7047 | 4827 | 1 | $\sqrt{-\left(\text{EXP}(x)\right)^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$  | L | SH | P   | PLUS  |
| 7048 | 4828 | 1 | $\sqrt{-\frac{\left(\text{EXP}(x)\right)^2-\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$ | L | SH | P   | MINUS |
| 7049 | 4829 | 1 | $\sqrt{\left(\text{EXP}(x)\right)^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+1}$   | L | SH | H   | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 7050 | 4830 | 1 | $\sqrt{\frac{(EXP(x))^2 + (\ln(y + \sqrt{y^2 + 1}))^2}{(\ln(y + \sqrt{y^2 + 1}))^2}}$  | L | SH | H    | MINUS |
| 7051 | 4831 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{EXP(x)} - 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-EXP(x)}$                                       |   | SH |      | PLUS  |
| 7052 | 4832 | 1 | $1/2 e^{\frac{EXP(x)}{\ln(y + \sqrt{y^2 + 1})}} - 1/2 e^{-\frac{EXP(x)}{\ln(y + \sqrt{y^2 + 1})}}$                                       | L | SH | SH   | MINUS |
| 7053 | 4833 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{EXP(x)} + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-EXP(x)}$                                       |   | CH |      | PLUS  |
| 7054 | 4834 | 1 | $1/2 e^{\frac{EXP(x)}{\ln(y + \sqrt{y^2 + 1})}} + 1/2 e^{-\frac{EXP(x)}{\ln(y + \sqrt{y^2 + 1})}}$                                       | L | SH | CH   | MINUS |
| 7055 | 4835 | 1 | $\frac{(y + \sqrt{y^2 + 1})^{2 EXP(x)} - 1}{(y + \sqrt{y^2 + 1})^{2 EXP(x)} + 1}$  | L | SH | TH   | PLUS  |
| 7056 | 4836 | 1 | $1 \left( e^{2 \frac{EXP(x)}{\ln(y + \sqrt{y^2 + 1})}} - 1 \right) \left( e^{2 \frac{EXP(x)}{\ln(y + \sqrt{y^2 + 1})}} + 1 \right)^{-1}$ | L | SH | TH   | MINUS |
| 7057 | 4837 | 1 | $EXP(x) \ln(y + \sqrt{y^2 - 1})$   | L | CH | CD   | PLUS  |
| 7058 | 4838 | 1 | $\frac{EXP(x)}{\ln(y + \sqrt{y^2 - 1})}$   | L | CH | CD   | MINUS |
| 7059 | 4839 | 1 | $\frac{1}{EXP(x) \ln(y + \sqrt{y^2 - 1})}$   | L | CH | CDI  | PLUS  |
| 7060 | 4840 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{EXP(x)}$   | L | CH | CDI  | MINUS |
| 7061 | 4841 | 1 | $EXP(x) \ln(y + \sqrt{y^2 - 1}) \pi$   | L | CH | CDF  | PLUS  |
| 7062 | 4842 | 1 | $\frac{EXP(x) \pi}{\ln(y + \sqrt{y^2 - 1})}$   | L | CH | CDF  | MINUS |
| 7063 | 4843 | 1 | $\frac{1}{EXP(x) \ln(y + \sqrt{y^2 - 1}) \pi}$   | L | CH | CDIF | PLUS  |
| 7064 | 4844 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{EXP(x) \pi}$   | L | CH | CDIF | MINUS |
| 7065 | 4845 | 1 | $(EXP(x))^2 (\ln(y + \sqrt{y^2 - 1}))^2$   | L | CH | AB   | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 7066 | 4846 | 1 | $\frac{(EXP(x))^2}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}$   | L | CH | AB  | MINUS |
| 7067 | 4847 | 1 | $\sqrt{EXP(x) \ln\left(y+\sqrt{y^2-1}\right)}$                       | L | CH | W   | PLUS  |
| 7068 | 4848 | 1 | $\sqrt{\frac{EXP(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}$               | L | CH | W   | MINUS |
| 7069 | 4849 | 1 | $\frac{1}{(EXP(x))^2 \left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}$ | L | CH | ABI | PLUS  |
| 7070 | 4850 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}{(EXP(x))^2}$   | L | CH | ABI | MINUS |
| 7071 | 4851 | 1 | $(EXP(x))^3 \left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3$           | L | CH | K   | PLUS  |
| 7072 | 4852 | 1 | $\frac{(EXP(x))^3}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}$   | L | CH | K   | MINUS |
| 7073 | 4853 | 1 | $\frac{1}{(EXP(x))^3 \left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}$ | L | CH | KI  | PLUS  |
| 7074 | 4854 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}{(EXP(x))^3}$   | L | CH | KI  | MINUS |
| 7075 | 4855 | 1 | $\left(y+\sqrt{y^2-1}\right)^{EXP(x)}$                               | L | CH | LL  | PLUS  |
| 7076 | 4856 | 1 | $e^{\frac{EXP(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}$                  | L | CH | LL  | MINUS |
| 7077 | 4857 | 1 | $LOG\left(EXP(x) \ln\left(y+\sqrt{y^2-1}\right)\right)$              | L | CH | L   | PLUS  |
| 7078 | 4858 | 1 | $LOG\left(\frac{EXP(x)}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$      | L | CH | L   | MINUS |
| 7079 | 4859 | 1 | $\arcsin\left(EXP(x) \ln\left(y+\sqrt{y^2-1}\right)\right)$          | L | CH | S   | PLUS  |
| 7080 | 4860 | 1 | $\arcsin\left(\frac{EXP(x)}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$  | L | CH | S   | MINUS |
| 7081 | 4861 | 1 | $\arctan\left(EXP(x) \ln\left(y+\sqrt{y^2-1}\right)\right)$          | L | CH | T   | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 7082 | 4862 | 1 | $\arctan\left(\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}\right)$   | L  | CH | T   | MINUS |
| 7083 | 4863 | 1 | $\sqrt{-(EXP(x))^2\left(\ln(y+\sqrt{y^2-1})\right)^2+1}$   | L  | CH | P   | PLUS  |
| 7084 | 4864 | 1 | $\sqrt{-\frac{(EXP(x))^2-(\ln(y+\sqrt{y^2-1}))^2}{(\ln(y+\sqrt{y^2-1}))^2}}$   | L  | CH | P   | MINUS |
| 7085 | 4865 | 1 | $\sqrt{(EXP(x))^2\left(\ln(y+\sqrt{y^2-1})\right)^2+1}$  | L  | CH | H   | PLUS  |
| 7086 | 4866 | 1 | $\sqrt{\frac{(EXP(x))^2+(\ln(y+\sqrt{y^2-1}))^2}{(\ln(y+\sqrt{y^2-1}))^2}}$  | L  | CH | H   | MINUS |
| 7087 | 4867 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{EXP(x)}-1/2\left(y+\sqrt{y^2-1}\right)^{-EXP(x)}$                                   | CH | SH |     | PLUS  |
| 7088 | 4868 | 1 | $1/2e^{\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}}-1/2e^{-\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}}$                               | L  | CH | SH  | MINUS |
| 7089 | 4869 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{EXP(x)}+1/2\left(y+\sqrt{y^2-1}\right)^{-EXP(x)}$                                   | CH | CH |     | PLUS  |
| 7090 | 4870 | 1 | $1/2e^{\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}}+1/2e^{-\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}}$                               | L  | CH | CH  | MINUS |
| 7091 | 4871 | 1 | $\frac{(y+\sqrt{y^2-1})^{2EXP(x)}-1}{(y+\sqrt{y^2-1})^{2EXP(x)}+1}$  | L  | CH | TH  | PLUS  |
| 7092 | 4872 | 1 | $1\left(e^{2\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}}-1\right)\left(e^{2\frac{EXP(x)}{\ln(y+\sqrt{y^2-1})}}+1\right)^{-1}$ | L  | CH | TH  | MINUS |
| 7093 | 4873 | 1 | $1/2EXP(x)\ln\left(\frac{-y-1}{y-1}\right)$  | L  | TH | CD  | PLUS  |
| 7094 | 4874 | 1 | $2EXP(x)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | L  | TH | CD  | MINUS |
| 7095 | 4875 | 1 | $2\frac{1}{EXP(x)}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | L  | TH | CDI | PLUS  |
| 7096 | 4876 | 1 | $1/2\frac{1}{EXP(x)}\ln\left(\frac{-y-1}{y-1}\right)$  | L  | TH | CDI | MINUS |
| 7097 | 4877 | 1 | $1/2EXP(x)\ln\left(\frac{-y-1}{y-1}\right)\pi$   | L  | TH | CDF | PLUS  |



|      |      |   |   |   |    |      |       |
|------|------|---|---|---|----|------|-------|
| 7098 | 4878 | 1 | $2 \exp(x) \pi \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$                 | L | TH | CDF  | MINUS |
| 7099 | 4879 | 1 | $2 \frac{1}{\exp(x)\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$        | L | TH | CDIF | PLUS  |
| 7100 | 4880 | 1 | $1/2 \frac{1}{\exp(x)\pi} \ln \left( \frac{-y-1}{y-1} \right)$                          | L | TH | CDIF | MINUS |
| 7101 | 4881 | 1 | $1/4 (\exp(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                  | L | TH | AB   | PLUS  |
| 7102 | 4882 | 1 | $4 (\exp(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                 | L | TH | AB   | MINUS |
| 7103 | 4883 | 1 | $1/2 \sqrt{2} \sqrt{\exp(x) \ln \left( \frac{-y-1}{y-1} \right)}$                       | L | TH | W    | PLUS  |
| 7104 | 4884 | 1 | $\sqrt{2} \sqrt{\exp(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$       | L | TH | W    | MINUS |
| 7105 | 4885 | 1 | $4 \frac{1}{(\exp(x))^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$       | L | TH | ABI  | PLUS  |
| 7106 | 4886 | 1 | $1/4 \frac{1}{(\exp(x))^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$        | L | TH | ABI  | MINUS |
| 7107 | 4887 | 1 | $1/8 (\exp(x))^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                  | L | TH | K    | PLUS  |
| 7108 | 4888 | 1 | $8 (\exp(x))^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                 | L | TH | K    | MINUS |
| 7109 | 4889 | 1 | $8 \frac{1}{(\exp(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$       | L | TH | KI   | PLUS  |
| 7110 | 4890 | 1 | $1/8 \frac{1}{(\exp(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$        | L | TH | KI   | MINUS |
| 7111 | 4891 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \exp(x)}$   | L | TH | LL   | PLUS  |
| 7112 | 4892 | 1 | $e^{2 \exp(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$                 | L | TH | LL   | MINUS |
| 7113 | 4893 | 1 | $\log \left( 1/2 \exp(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | L | TH | L    | PLUS  |
| 7114 | 4894 | 1 | $\log \left( 2 \exp(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | L | TH | L    | MINUS |

|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 7115 | 4895 | 1 | $\arcsin\left(1/2 \exp(x) \ln\left(\frac{-y-1}{y-1}\right)\right)$   | L  | TH  | S    | PLUS  |
| 7116 | 4896 | 1 | $\arcsin\left(2 \exp(x) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | L  | TH  | S    | MINUS |
| 7117 | 4897 | 1 | $\arctan\left(1/2 \exp(x) \ln\left(\frac{-y-1}{y-1}\right)\right)$   | L  | TH  | T    | PLUS  |
| 7118 | 4898 | 1 | $\arctan\left(2 \exp(x) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | L  | TH  | T    | MINUS |
| 7119 | 4899 | 1 | $1/2 \sqrt{-(\exp(x))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2 + 4}$  | L  | TH  | P    | PLUS  |
| 7120 | 4900 | 1 | $\sqrt{1 \left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2 - 4 (\exp(x))^2\right) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$   | TH | P   |      | MINUS |
| 7121 | 4901 | 1 | $1/2 \sqrt{(\exp(x))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2 + 4}$   | L  | TH  | H    | PLUS  |
| 7122 | 4902 | 1 | $\sqrt{1 \left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2 + 4 (\exp(x))^2\right) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$   | TH | H   |      | MINUS |
| 7123 | 4903 | 1 | $1/2 \left(\frac{-y-1}{y-1}\right)^{1/2 \exp(x)} - 1/2 \left(\frac{-y-1}{y-1}\right)^{-1/2 \exp(x)}$   | L  | TH  | SH   | PLUS  |
| 7124 | 4904 | 1 | $1/2 e^{2 \exp(x) (\ln(\frac{-y-1}{y-1}))^{-1}} - 1/2 e^{-2 \exp(x) (\ln(\frac{-y-1}{y-1}))^{-1}}$   | TH | SH  |      | MINUS |
| 7125 | 4905 | 1 | $1/2 \left(\frac{-y-1}{y-1}\right)^{1/2 \exp(x)} + 1/2 \left(\frac{-y-1}{y-1}\right)^{-1/2 \exp(x)}$   | L  | TH  | CH   | PLUS  |
| 7126 | 4906 | 1 | $1/2 e^{2 \exp(x) (\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 e^{-2 \exp(x) (\ln(\frac{-y-1}{y-1}))^{-1}}$   | TH | CH  |      | MINUS |
| 7127 | 4907 | 1 | $1 \left(\left(\frac{-y-1}{y-1}\right)^{1/2 \exp(x)} - \left(\frac{-y-1}{y-1}\right)^{-1/2 \exp(x)}\right) \left(\left(\frac{-y-1}{y-1}\right)^{1/2 \exp(x)} + \left(\frac{-y-1}{y-1}\right)^{-1/2 \exp(x)}\right)^{-1}$ | TH | TH  | PLUS |       |
| 7128 | 4908 | 1 | $1 \left(e^{4 \exp(x) (\ln(\frac{-y-1}{y-1}))^{-1}} - 1\right) \left(e^{4 \exp(x) (\ln(\frac{-y-1}{y-1}))^{-1}} + 1\right)^{-1}$   | TH |     |      | MINUS |
| 7129 | 4909 | 1 | $\sin(x) y$  | S  | CD  | CD   | PLUS  |
| 7130 | 4909 | 2 |  | S  | CDI | CD   | MINUS |
| 7131 | 4909 | 3 |  | S  | CDF | CDF  | PLUS  |

|      |      |   |                             |   |      |      |       |
|------|------|---|-----------------------------|---|------|------|-------|
| 7132 | 4910 | 1 | $\frac{\sin(x)}{y}$         | S | CD   | CD   | MINUS |
| 7133 | 4910 | 2 |                             | S | CDI  | CD   | PLUS  |
| 7134 | 4910 | 3 |                             | S | CDIF | CDF  | PLUS  |
| 7135 | 4911 | 1 | $\frac{1}{\sin(x)y}$        | S | CD   | CDI  | PLUS  |
| 7136 | 4911 | 2 |                             | S | CDI  | CDI  | MINUS |
| 7137 | 4911 | 3 |                             | S | CDF  | CDIF | PLUS  |
| 7138 | 4912 | 1 | $\frac{y}{\sin(x)}$         | S | CD   | CDI  | MINUS |
| 7139 | 4912 | 2 |                             | S | CDI  | CDI  | PLUS  |
| 7140 | 4912 | 3 |                             | S | CDIF | CDIF | PLUS  |
| 7141 | 4913 | 1 | $\sin(x)y\pi$               | S | CD   | CDF  | PLUS  |
| 7142 | 4913 | 2 |                             | S | CDI  | CDF  | MINUS |
| 7143 | 4913 | 3 |                             | S | CDIF | CD   | MINUS |
| 7144 | 4914 | 1 | $\frac{\sin(x)\pi}{y}$      | S | CD   | CDF  | MINUS |
| 7145 | 4914 | 2 |                             | S | CDI  | CDF  | PLUS  |
| 7146 | 4914 | 3 |                             | S | CDF  | CD   | MINUS |
| 7147 | 4915 | 1 | $\frac{1}{\sin(x)y\pi}$     | S | CD   | CDIF | PLUS  |
| 7148 | 4915 | 2 |                             | S | CDI  | CDIF | MINUS |
| 7149 | 4915 | 3 |                             | S | CDIF | CDI  | MINUS |
| 7150 | 4916 | 1 | $\frac{y}{\sin(x)\pi}$      | S | CD   | CDIF | MINUS |
| 7151 | 4916 | 2 |                             | S | CDI  | CDIF | PLUS  |
| 7152 | 4916 | 3 |                             | S | CDF  | CDI  | MINUS |
| 7153 | 4917 | 1 | $(\sin(x))^2 y^2$           | S | CD   | AB   | PLUS  |
| 7154 | 4917 | 2 |                             | S | CDI  | AB   | MINUS |
| 7155 | 4918 | 1 | $\frac{(\sin(x))^2}{y^2}$   | S | CD   | AB   | MINUS |
| 7156 | 4918 | 2 |                             | S | CDI  | AB   | PLUS  |
| 7157 | 4919 | 1 | $\sqrt{\sin(x)y}$           | S | CD   | W    | PLUS  |
| 7158 | 4919 | 2 |                             | S | CDI  | W    | MINUS |
| 7159 | 4920 | 1 | $\sqrt{\frac{\sin(x)}{y}}$  | S | CD   | W    | MINUS |
| 7160 | 4920 | 2 |                             | S | CDI  | W    | PLUS  |
| 7161 | 4921 | 1 | $\frac{1}{(\sin(x))^2 y^2}$ | S | CD   | ABI  | PLUS  |
| 7162 | 4921 | 2 |                             | S | CDI  | ABI  | MINUS |

|      |      |   |   |   |     |     |       |
|------|------|---|---|---|-----|-----|-------|
| 7163 | 4922 | 1 | $\frac{y^2}{(\sin(x))^2}$               | S | CD  | ABI | MINUS |
| 7164 | 4922 | 2 |   | S | CDI | ABI | PLUS  |
| 7165 | 4923 | 1 | $(\sin(x))^3 y^3$                       | S | CD  | K   | PLUS  |
| 7166 | 4923 | 2 |   | S | CDI | K   | MINUS |
| 7167 | 4924 | 1 | $\frac{(\sin(x))^3}{y^3}$               | S | CD  | K   | MINUS |
| 7168 | 4924 | 2 |   | S | CDI | K   | PLUS  |
| 7169 | 4925 | 1 | $\frac{1}{(\sin(x))^3 y^3}$             | S | CD  | KI  | PLUS  |
| 7170 | 4925 | 2 |   | S | CDI | KI  | MINUS |
| 7171 | 4926 | 1 | $\frac{y^3}{(\sin(x))^3}$               | S | CD  | KI  | MINUS |
| 7172 | 4926 | 2 |   | S | CDI | KI  | PLUS  |
| 7173 | 4927 | 1 | $e^{\sin(x)y}$                          | S | CD  | LL  | PLUS  |
| 7174 | 4927 | 2 |   | S | CDI | LL  | MINUS |
| 7175 | 4928 | 1 | $e^{\frac{\sin(x)}{y}}$                 | S | CD  | LL  | MINUS |
| 7176 | 4928 | 2 |   | S | CDI | LL  | PLUS  |
| 7177 | 4929 | 1 | $LOG(\sin(x)y)$                         | S | CD  | L   | PLUS  |
| 7178 | 4929 | 2 |   | S | CDI | L   | MINUS |
| 7179 | 4930 | 1 | $LOG\left(\frac{\sin(x)}{y}\right)$     | S | CD  | L   | MINUS |
| 7180 | 4930 | 2 |   | S | CDI | L   | PLUS  |
| 7181 | 4931 | 1 | $\arcsin(\sin(x)y)$                     | S | CD  | S   | PLUS  |
| 7182 | 4931 | 2 |   | S | CDI | S   | MINUS |
| 7183 | 4932 | 1 | $\arcsin\left(\frac{\sin(x)}{y}\right)$ | S | CD  | S   | MINUS |
| 7184 | 4932 | 2 |   | S | CDI | S   | PLUS  |
| 7185 | 4933 | 1 | $\arctan(\sin(x)y)$                     | S | CD  | T   | PLUS  |
| 7186 | 4933 | 2 |   | S | CDI | T   | MINUS |
| 7187 | 4934 | 1 | $\arctan\left(\frac{\sin(x)}{y}\right)$ | S | CD  | T   | MINUS |
| 7188 | 4934 | 2 |   | S | CDI | T   | PLUS  |
| 7189 | 4935 | 1 | $\sqrt{(\cos(x))^2 y^2 - y^2 + 1}$      | S | CD  | P   | PLUS  |
| 7190 | 4935 | 2 |   | S | CDI | P   | MINUS |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 7191 | 4936 | 1 | $\sqrt{\frac{(\cos(x))^2+y^2-1}{y^2}}$   | S | CD  | P    | MINUS |
| 7192 | 4936 | 2 |  | S | CDI | P    | PLUS  |
| 7193 | 4937 | 1 | $\sqrt{-(\cos(x))^2 y^2 + y^2 + 1}$  | S | CD  | H    | PLUS  |
| 7194 | 4937 | 2 |  | S | CDI | H    | MINUS |
| 7195 | 4938 | 1 | $\sqrt{-\frac{(\cos(x))^2-y^2-1}{y^2}}$  | S | CD  | H    | MINUS |
| 7196 | 4938 | 2 |  | S | CDI | H    | PLUS  |
| 7197 | 4939 | 1 | $1/2 e^{\sin(x)y} - 1/2 e^{-\sin(x)y}$   | S | CD  | SH   | PLUS  |
| 7198 | 4939 | 2 |  | S | CDI | SH   | MINUS |
| 7199 | 4940 | 1 | $1/2 e^{\frac{\sin(x)}{y}} - 1/2 e^{-\frac{\sin(x)}{y}}$                                       | S | CD  | SH   | MINUS |
| 7200 | 4940 | 2 |  | S | CDI | SH   | PLUS  |
| 7201 | 4941 | 1 | $1/2 e^{\sin(x)y} + 1/2 e^{-\sin(x)y}$   | S | CD  | CH   | PLUS  |
| 7202 | 4941 | 2 |  | S | CDI | CH   | MINUS |
| 7203 | 4942 | 1 | $1/2 e^{\frac{\sin(x)}{y}} + 1/2 e^{-\frac{\sin(x)}{y}}$                                       | S | CD  | CH   | MINUS |
| 7204 | 4942 | 2 |  | S | CDI | CH   | PLUS  |
| 7205 | 4943 | 1 | $\frac{e^{2 \sin(x)y} - 1}{e^{2 \sin(x)y} + 1}$  | S | CD  | TH   | PLUS  |
| 7206 | 4943 | 2 |  | S | CDI | TH   | MINUS |
| 7207 | 4944 | 1 | $1 \left( e^{2 \frac{\sin(x)}{y}} - 1 \right) \left( e^{2 \frac{\sin(x)}{y}} + 1 \right)^{-1}$ | S | CD  | TH   | MINUS |
| 7208 | 4944 | 2 |  | S | CDI | TH   | PLUS  |
| 7209 | 4945 | 1 | $\frac{\sin(x)y}{\pi}$   | S | CDF | CD   | PLUS  |
| 7210 | 4946 | 1 | $\frac{\pi}{\sin(x)y}$   | S | CDF | CDI  | PLUS  |
| 7211 | 4947 | 1 | $\frac{\sin(x)\pi^2}{y}$   | S | CDF | CDF  | MINUS |
| 7212 | 4948 | 1 | $\frac{y}{\sin(x)\pi^2}$   | S | CDF | CDIF | MINUS |
| 7213 | 4949 | 1 | $\frac{(\sin(x))^2 y^2}{\pi^2}$  | S | CDF | AB   | PLUS  |
| 7214 | 4950 | 1 | $\frac{(\sin(x))^2 \pi^2}{y^2}$  | S | CDF | AB   | MINUS |
| 7215 | 4951 | 1 | $\sqrt{\frac{\sin(x)y}{\pi}}$  | S | CDF | W    | PLUS  |

|      |      |   |   |   |     |     |       |
|------|------|---|---|---|-----|-----|-------|
| 7216 | 4952 | 1 | $\sqrt{\frac{\sin(x)\pi}{y}}$                         | S | CDF | W   | MINUS |
| 7217 | 4953 | 1 | $\frac{\pi^2}{(\sin(x))^2 y^2}$                       | S | CDF | ABI | PLUS  |
| 7218 | 4954 | 1 | $\frac{y^2}{(\sin(x))^2 \pi^2}$                       | S | CDF | ABI | MINUS |
| 7219 | 4955 | 1 | $\frac{(\sin(x))^3 y^3}{\pi^3}$                       | S | CDF | K   | PLUS  |
| 7220 | 4956 | 1 | $\frac{(\sin(x))^3 \pi^3}{y^3}$                       | S | CDF | K   | MINUS |
| 7221 | 4957 | 1 | $\frac{\pi^3}{(\sin(x))^3 y^3}$                       | S | CDF | KI  | PLUS  |
| 7222 | 4958 | 1 | $\frac{y^3}{(\sin(x))^3 \pi^3}$                       | S | CDF | KI  | MINUS |
| 7223 | 4959 | 1 | $e^{\frac{\sin(x)y}{\pi}}$                            | S | CDF | LL  | PLUS  |
| 7224 | 4960 | 1 | $e^{\frac{\sin(x)\pi}{y}}$                            | S | CDF | LL  | MINUS |
| 7225 | 4961 | 1 | $LOG\left(\frac{\sin(x)y}{\pi}\right)$                | S | CDF | L   | PLUS  |
| 7226 | 4962 | 1 | $LOG\left(\frac{\sin(x)\pi}{y}\right)$                | S | CDF | L   | MINUS |
| 7227 | 4963 | 1 | $\arcsin\left(\frac{\sin(x)y}{\pi}\right)$            | S | CDF | S   | PLUS  |
| 7228 | 4964 | 1 | $\arcsin\left(\frac{\sin(x)\pi}{y}\right)$            | S | CDF | S   | MINUS |
| 7229 | 4965 | 1 | $\arctan\left(\frac{\sin(x)y}{\pi}\right)$            | S | CDF | T   | PLUS  |
| 7230 | 4966 | 1 | $\arctan\left(\frac{\sin(x)\pi}{y}\right)$            | S | CDF | T   | MINUS |
| 7231 | 4967 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 + \pi^2 - y^2}{\pi^2}}$  | S | CDF | P   | PLUS  |
| 7232 | 4968 | 1 | $\sqrt{\frac{(\cos(x))^2 \pi^2 - \pi^2 + y^2}{y^2}}$  | S | CDF | P   | MINUS |
| 7233 | 4969 | 1 | $\sqrt{-\frac{(\cos(x))^2 y^2 - \pi^2 - y^2}{\pi^2}}$ | S | CDF | H   | PLUS  |
| 7234 | 4970 | 1 | $\sqrt{-\frac{(\cos(x))^2 \pi^2 - \pi^2 - y^2}{y^2}}$ | S | CDF | H   | MINUS |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 7235 | 4971 | 1 | $1/2 e^{\frac{\sin(x)y}{\pi}} - 1/2 e^{-\frac{\sin(x)y}{\pi}}$                                       | S | CDF  | SH   | PLUS  |
| 7236 | 4972 | 1 | $1/2 e^{\frac{\sin(x)\pi}{y}} - 1/2 e^{-\frac{\sin(x)\pi}{y}}$                                       | S | CDF  | SH   | MINUS |
| 7237 | 4973 | 1 | $1/2 e^{\frac{\sin(x)y}{\pi}} + 1/2 e^{-\frac{\sin(x)y}{\pi}}$                                       | S | CDF  | CH   | PLUS  |
| 7238 | 4974 | 1 | $1/2 e^{\frac{\sin(x)\pi}{y}} + 1/2 e^{-\frac{\sin(x)\pi}{y}}$                                       | S | CDF  | CH   | MINUS |
| 7239 | 4975 | 1 | $1 \left( e^{2 \frac{\sin(x)y}{\pi}} - 1 \right) \left( e^{2 \frac{\sin(x)y}{\pi}} + 1 \right)^{-1}$ | S | CDF  | TH   | PLUS  |
| 7240 | 4976 | 1 | $1 \left( e^{2 \frac{\sin(x)\pi}{y}} - 1 \right) \left( e^{2 \frac{\sin(x)\pi}{y}} + 1 \right)^{-1}$ | S | CDF  | TH   | MINUS |
| 7241 | 4977 | 1 | $\frac{\sin(x)}{y\pi}$   | S | CDIF | CD   | PLUS  |
| 7242 | 4978 | 1 | $\frac{y\pi}{\sin(x)}$   | S | CDIF | CDI  | PLUS  |
| 7243 | 4979 | 1 | $\sin(x) y \pi^2$  | S | CDIF | CDF  | MINUS |
| 7244 | 4980 | 1 | $\frac{1}{\sin(x) y \pi^2}$  | S | CDIF | CDIF | MINUS |
| 7245 | 4981 | 1 | $\frac{(\sin(x))^2}{y^2 \pi^2}$  | S | CDIF | AB   | PLUS  |
| 7246 | 4982 | 1 | $(\sin(x))^2 y^2 \pi^2$  | S | CDIF | AB   | MINUS |
| 7247 | 4983 | 1 | $\sqrt{\frac{\sin(x)}{y\pi}}$  | S | CDIF | W    | PLUS  |
| 7248 | 4984 | 1 | $\sqrt{\sin(x) y \pi}$   | S | CDIF | W    | MINUS |
| 7249 | 4985 | 1 | $\frac{y^2 \pi^2}{(\sin(x))^2}$  | S | CDIF | ABI  | PLUS  |
| 7250 | 4986 | 1 | $\frac{1}{(\sin(x))^2 y^2 \pi^2}$  | S | CDIF | ABI  | MINUS |
| 7251 | 4987 | 1 | $\frac{(\sin(x))^3}{y^3 \pi^3}$  | S | CDIF | K    | PLUS  |
| 7252 | 4988 | 1 | $(\sin(x))^3 y^3 \pi^3$  | S | CDIF | K    | MINUS |
| 7253 | 4989 | 1 | $\frac{y^3 \pi^3}{(\sin(x))^3}$  | S | CDIF | KI   | PLUS  |
| 7254 | 4990 | 1 | $\frac{1}{(\sin(x))^3 y^3 \pi^3}$  | S | CDIF | KI   | MINUS |

|      |      |   |  |   |      |    |       |
|------|------|---|--|---|------|----|-------|
| 7255 | 4991 | 1 | $e^{\frac{\sin(x)}{y\pi}}$   | S | CDIF | LL | PLUS  |
| 7256 | 4992 | 1 | $e^{\sin(x)y\pi}$  | S | CDIF | LL | MINUS |
| 7257 | 4993 | 1 | $LOG\left(\frac{\sin(x)}{y\pi}\right)$   | S | CDIF | L  | PLUS  |
| 7258 | 4994 | 1 | $LOG(\sin(x)y\pi)$   | S | CDIF | L  | MINUS |
| 7259 | 4995 | 1 | $\arcsin\left(\frac{\sin(x)}{y\pi}\right)$   | S | CDIF | S  | PLUS  |
| 7260 | 4996 | 1 | $\arcsin(\sin(x)y\pi)$   | S | CDIF | S  | MINUS |
| 7261 | 4997 | 1 | $\arctan\left(\frac{\sin(x)}{y\pi}\right)$   | S | CDIF | T  | PLUS  |
| 7262 | 4998 | 1 | $\arctan(\sin(x)y\pi)$   | S | CDIF | T  | MINUS |
| 7263 | 4999 | 1 | $\sqrt{\frac{y^2\pi^2+(\cos(x))^2-1}{y^2\pi^2}}$   | S | CDIF | P  | PLUS  |
| 7264 | 5000 | 1 | $\sqrt{(\cos(x))^2\pi^2y^2-y^2\pi^2+1}$  | S | CDIF | P  | MINUS |
| 7265 | 5001 | 1 | $\sqrt{-\frac{y^2\pi^2+(\cos(x))^2-1}{y^2\pi^2}}$  | S | CDIF | H  | PLUS  |
| 7266 | 5002 | 1 | $\sqrt{-(\cos(x))^2\pi^2y^2+y^2\pi^2+1}$   | S | CDIF | H  | MINUS |
| 7267 | 5003 | 1 | $1/2 e^{\frac{\sin(x)}{y\pi}} - 1/2 e^{-\frac{\sin(x)}{y\pi}}$                           | S | CDIF | SH | PLUS  |
| 7268 | 5004 | 1 | $1/2 e^{\sin(x)y\pi} - 1/2 e^{-\sin(x)y\pi}$   | S | CDIF | SH | MINUS |
| 7269 | 5005 | 1 | $1/2 e^{\frac{\sin(x)}{y\pi}} + 1/2 e^{-\frac{\sin(x)}{y\pi}}$                           | S | CDIF | CH | PLUS  |
| 7270 | 5006 | 1 | $1/2 e^{\sin(x)y\pi} + 1/2 e^{-\sin(x)y\pi}$   | S | CDIF | CH | MINUS |
| 7271 | 5007 | 1 | $1\left(e^{2\frac{\sin(x)}{y\pi}}-1\right)\left(e^{2\frac{\sin(x)}{y\pi}}+1\right)^{-1}$ | S | CDIF | TH | PLUS  |
| 7272 | 5008 | 1 | $\frac{e^{2\sin(x)y\pi}-1}{e^{2\sin(x)y\pi}+1}$  | S | CDIF | TH | MINUS |
| 7273 | 5009 | 1 | $\sin(x)\sqrt{y}$  | S | AB   | CD | PLUS  |
| 7274 | 5009 | 2 |  | S | ABI  | CD | MINUS |



|      |      |   |                                   |   |     |      |       |
|------|------|---|-----------------------------------|---|-----|------|-------|
| 7275 | 5010 | 1 | $\frac{\sin(x)}{\sqrt{y}}$        | S | AB  | CD   | MINUS |
| 7276 | 5010 | 2 |                                   | S | ABI | CD   | PLUS  |
| 7277 | 5011 | 1 | $\frac{1}{\sin(x)\sqrt{y}}$       | S | AB  | CDI  | PLUS  |
| 7278 | 5011 | 2 |                                   | S | ABI | CDI  | MINUS |
| 7279 | 5012 | 1 | $\frac{\sqrt{y}}{\sin(x)}$        | S | AB  | CDI  | MINUS |
| 7280 | 5012 | 2 |                                   | S | ABI | CDI  | PLUS  |
| 7281 | 5013 | 1 | $\sin(x)\sqrt{y}\pi$              | S | AB  | CDF  | PLUS  |
| 7282 | 5013 | 2 |                                   | S | ABI | CDF  | MINUS |
| 7283 | 5014 | 1 | $\frac{\sin(x)\pi}{\sqrt{y}}$     | S | AB  | CDF  | MINUS |
| 7284 | 5014 | 2 |                                   | S | ABI | CDF  | PLUS  |
| 7285 | 5015 | 1 | $\frac{1}{\sin(x)\sqrt{y}\pi}$    | S | AB  | CDIF | PLUS  |
| 7286 | 5015 | 2 |                                   | S | ABI | CDIF | MINUS |
| 7287 | 5016 | 1 | $\frac{\sqrt{y}}{\sin(x)\pi}$     | S | AB  | CDIF | MINUS |
| 7288 | 5016 | 2 |                                   | S | ABI | CDIF | PLUS  |
| 7289 | 5017 | 1 | $(\sin(x))^2 y$                   | S | AB  | AB   | PLUS  |
| 7290 | 5017 | 2 |                                   | S | ABI | AB   | MINUS |
| 7291 | 5018 | 1 | $\frac{(\sin(x))^2}{y}$           | S | AB  | AB   | MINUS |
| 7292 | 5018 | 2 |                                   | S | ABI | AB   | PLUS  |
| 7293 | 5019 | 1 | $\sqrt{\sin(x)\sqrt{y}}$          | S | AB  | W    | PLUS  |
| 7294 | 5019 | 2 |                                   | S | ABI | W    | MINUS |
| 7295 | 5020 | 1 | $\sqrt{\frac{\sin(x)}{\sqrt{y}}}$ | S | AB  | W    | MINUS |
| 7296 | 5020 | 2 |                                   | S | ABI | W    | PLUS  |
| 7297 | 5021 | 1 | $\frac{1}{(\sin(x))^2 y}$         | S | AB  | ABI  | PLUS  |
| 7298 | 5021 | 2 |                                   | S | ABI | ABI  | MINUS |
| 7299 | 5022 | 1 | $\frac{y}{(\sin(x))^2}$           | S | AB  | ABI  | MINUS |
| 7300 | 5022 | 2 |                                   | S | ABI | ABI  | PLUS  |
| 7301 | 5023 | 1 | $(\sin(x))^3 y^{3/2}$             | S | AB  | K    | PLUS  |
| 7302 | 5023 | 2 |                                   | S | ABI | K    | MINUS |

|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 7303 | 5024 | 1 | $\frac{(\sin(x))^3}{y^{3/2}}$                  | S | AB  | K  | MINUS |
| 7304 | 5024 | 2 |  | S | ABI | K  | PLUS  |
| 7305 | 5025 | 1 | $\frac{1}{(\sin(x))^3 y^{3/2}}$                | S | AB  | KI | PLUS  |
| 7306 | 5025 | 2 |  | S | ABI | KI | MINUS |
| 7307 | 5026 | 1 | $\frac{y^{3/2}}{(\sin(x))^3}$                  | S | AB  | KI | MINUS |
| 7308 | 5026 | 2 |  | S | ABI | KI | PLUS  |
| 7309 | 5027 | 1 | $e^{\sin(x)\sqrt{y}}$                          | S | AB  | LL | PLUS  |
| 7310 | 5027 | 2 |  | S | ABI | LL | MINUS |
| 7311 | 5028 | 1 | $e^{\frac{\sin(x)}{\sqrt{y}}}$                 | S | AB  | LL | MINUS |
| 7312 | 5028 | 2 |  | S | ABI | LL | PLUS  |
| 7313 | 5029 | 1 | $LOG(\sin(x)\sqrt{y})$                         | S | AB  | L  | PLUS  |
| 7314 | 5029 | 2 |  | S | ABI | L  | MINUS |
| 7315 | 5030 | 1 | $LOG\left(\frac{\sin(x)}{\sqrt{y}}\right)$     | S | AB  | L  | MINUS |
| 7316 | 5030 | 2 |  | S | ABI | L  | PLUS  |
| 7317 | 5031 | 1 | $\arcsin(\sin(x)\sqrt{y})$                     | S | AB  | S  | PLUS  |
| 7318 | 5031 | 2 |  | S | ABI | S  | MINUS |
| 7319 | 5032 | 1 | $\arcsin\left(\frac{\sin(x)}{\sqrt{y}}\right)$ | S | AB  | S  | MINUS |
| 7320 | 5032 | 2 |  | S | ABI | S  | PLUS  |
| 7321 | 5033 | 1 | $\arctan(\sin(x)\sqrt{y})$                     | S | AB  | T  | PLUS  |
| 7322 | 5033 | 2 |  | S | ABI | T  | MINUS |
| 7323 | 5034 | 1 | $\arctan\left(\frac{\sin(x)}{\sqrt{y}}\right)$ | S | AB  | T  | MINUS |
| 7324 | 5034 | 2 |  | S | ABI | T  | PLUS  |
| 7325 | 5035 | 1 | $\sqrt{(\cos(x))^2 y - y + 1}$                 | S | AB  | P  | PLUS  |
| 7326 | 5035 | 2 |  | S | ABI | P  | MINUS |
| 7327 | 5036 | 1 | $\sqrt{\frac{(\cos(x))^2 + y - 1}{y}}$         | S | AB  | P  | MINUS |
| 7328 | 5036 | 2 |  | S | ABI | P  | PLUS  |
| 7329 | 5037 | 1 | $\sqrt{-(\cos(x))^2 y + y + 1}$                | S | AB  | H  | PLUS  |
| 7330 | 5037 | 2 |  | S | ABI | H  | MINUS |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 7331 | 5038 | 1 | $\sqrt{-\frac{(\cos(x))^2-y-1}{y}}$  | S | AB  | H    | MINUS |
| 7332 | 5038 | 2 |  | S | ABI | H    | PLUS  |
| 7333 | 5039 | 1 | $1/2 e^{\sin(x)\sqrt{y}} - 1/2 e^{-\sin(x)\sqrt{y}}$   | S | AB  | SH   | PLUS  |
| 7334 | 5039 | 2 |  | S | ABI | SH   | MINUS |
| 7335 | 5040 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt{y}}} - 1/2 e^{-\frac{\sin(x)}{\sqrt{y}}}$                                       | S | AB  | SH   | MINUS |
| 7336 | 5040 | 2 |  | S | ABI | SH   | PLUS  |
| 7337 | 5041 | 1 | $1/2 e^{\sin(x)\sqrt{y}} + 1/2 e^{-\sin(x)\sqrt{y}}$   | S | AB  | CH   | PLUS  |
| 7338 | 5041 | 2 |  | S | ABI | CH   | MINUS |
| 7339 | 5042 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt{y}}} + 1/2 e^{-\frac{\sin(x)}{\sqrt{y}}}$                                       | S | AB  | CH   | MINUS |
| 7340 | 5042 | 2 |  | S | ABI | CH   | PLUS  |
| 7341 | 5043 | 1 | $\frac{e^{2 \sin(x)\sqrt{y}}-1}{e^{2 \sin(x)\sqrt{y}}+1}$  | S | AB  | TH   | PLUS  |
| 7342 | 5043 | 2 |  | S | ABI | TH   | MINUS |
| 7343 | 5044 | 1 | $1 \left( e^{2 \frac{\sin(x)}{\sqrt{y}}} - 1 \right) \left( e^{2 \frac{\sin(x)}{\sqrt{y}}} + 1 \right)^{-1}$ | S | AB  | TH   | MINUS |
| 7344 | 5044 | 2 |  | S | ABI | TH   | PLUS  |
| 7345 | 5045 | 1 | $\sin(x) y^2$  | S | W   | CD   | PLUS  |
| 7346 | 5046 | 1 | $\frac{\sin(x)}{y^2}$  | S | W   | CD   | MINUS |
| 7347 | 5047 | 1 | $\frac{1}{\sin(x) y^2}$  | S | W   | CDI  | PLUS  |
| 7348 | 5048 | 1 | $\frac{y^2}{\sin(x)}$  | S | W   | CDI  | MINUS |
| 7349 | 5049 | 1 | $\sin(x) y^2 \pi$  | S | W   | CDF  | PLUS  |
| 7350 | 5050 | 1 | $\frac{\sin(x) \pi}{y^2}$  | S | W   | CDF  | MINUS |
| 7351 | 5051 | 1 | $\frac{1}{\sin(x) y^2 \pi}$  | S | W   | CDIF | PLUS  |
| 7352 | 5052 | 1 | $\frac{y^2}{\sin(x) \pi}$  | S | W   | CDIF | MINUS |
| 7353 | 5053 | 1 | $(\sin(x))^2 y^4$  | S | W   | AB   | PLUS  |
| 7354 | 5054 | 1 | $\frac{(\sin(x))^2}{y^4}$  | S | W   | AB   | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 7355 | 5055 | 1 | $\sqrt{\sin(x) y^2}$                       | S | W | W   | PLUS  |
| 7356 | 5056 | 1 | $\sqrt{\frac{\sin(x)}{y^2}}$               | S | W | W   | MINUS |
| 7357 | 5057 | 1 | $\frac{1}{(\sin(x))^2 y^4}$                | S | W | ABI | PLUS  |
| 7358 | 5058 | 1 | $\frac{y^4}{(\sin(x))^2}$                  | S | W | ABI | MINUS |
| 7359 | 5059 | 1 | $(\sin(x))^3 y^6$                          | S | W | K   | PLUS  |
| 7360 | 5060 | 1 | $\frac{(\sin(x))^3}{y^6}$                  | S | W | K   | MINUS |
| 7361 | 5061 | 1 | $\frac{1}{(\sin(x))^3 y^6}$                | S | W | KI  | PLUS  |
| 7362 | 5062 | 1 | $\frac{y^6}{(\sin(x))^3}$                  | S | W | KI  | MINUS |
| 7363 | 5063 | 1 | $e^{\sin(x) y^2}$                          | S | W | LL  | PLUS  |
| 7364 | 5064 | 1 | $e^{\frac{\sin(x)}{y^2}}$                  | S | W | LL  | MINUS |
| 7365 | 5065 | 1 | $LOG(\sin(x) y^2)$                         | S | W | L   | PLUS  |
| 7366 | 5066 | 1 | $LOG\left(\frac{\sin(x)}{y^2}\right)$      | S | W | L   | MINUS |
| 7367 | 5067 | 1 | $\arcsin(\sin(x) y^2)$                     | S | W | S   | PLUS  |
| 7368 | 5068 | 1 | $\arcsin\left(\frac{\sin(x)}{y^2}\right)$  | S | W | S   | MINUS |
| 7369 | 5069 | 1 | $\arctan(\sin(x) y^2)$                     | S | W | T   | PLUS  |
| 7370 | 5070 | 1 | $\arctan\left(\frac{\sin(x)}{y^2}\right)$  | S | W | T   | MINUS |
| 7371 | 5071 | 1 | $\sqrt{(\cos(x))^2 y^4 - y^4 + 1}$         | S | W | P   | PLUS  |
| 7372 | 5072 | 1 | $\sqrt{\frac{y^4 + (\cos(x))^2 - 1}{y^4}}$ | S | W | P   | MINUS |
| 7373 | 5073 | 1 | $\sqrt{-(\cos(x))^2 y^4 + y^4 + 1}$        | S | W | H   | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 7374 | 5074 | 1 | $\sqrt{-\frac{y^4+(\cos(x))^2-1}{y^4}}$  | S | W  | H    | MINUS |
| 7375 | 5075 | 1 | $1/2 e^{\sin(x)y^2} - 1/2 e^{-\sin(x)y^2}$   | S | W  | SH   | PLUS  |
| 7376 | 5076 | 1 | $1/2 e^{\frac{\sin(x)}{y^2}} - 1/2 e^{-\frac{\sin(x)}{y^2}}$                           | S | W  | SH   | MINUS |
| 7377 | 5077 | 1 | $1/2 e^{\sin(x)y^2} + 1/2 e^{-\sin(x)y^2}$   | S | W  | CH   | PLUS  |
| 7378 | 5078 | 1 | $1/2 e^{\frac{\sin(x)}{y^2}} + 1/2 e^{-\frac{\sin(x)}{y^2}}$                           | S | W  | CH   | MINUS |
| 7379 | 5079 | 1 | $\frac{e^{2\sin(x)y^2}-1}{e^{2\sin(x)y^2}+1}$  | S | W  | TH   | PLUS  |
| 7380 | 5080 | 1 | $1\left(e^{2\frac{\sin(x)}{y^2}}-1\right)\left(e^{2\frac{\sin(x)}{y^2}}+1\right)^{-1}$ | S | W  | TH   | MINUS |
| 7381 | 5081 | 1 | $\sin(x)\sqrt[3]{y}$   | S | K  | CD   | PLUS  |
| 7382 | 5081 | 2 |  | S | KI | CD   | MINUS |
| 7383 | 5082 | 1 | $\frac{\sin(x)}{\sqrt[3]{y}}$  | S | K  | CD   | MINUS |
| 7384 | 5082 | 2 |  | S | KI | CD   | PLUS  |
| 7385 | 5083 | 1 | $\frac{1}{\sin(x)\sqrt[3]{y}}$   | S | K  | CDI  | PLUS  |
| 7386 | 5083 | 2 |  | S | KI | CDI  | MINUS |
| 7387 | 5084 | 1 | $\frac{\sqrt[3]{y}}{\sin(x)}$  | S | K  | CDI  | MINUS |
| 7388 | 5084 | 2 |  | S | KI | CDI  | PLUS  |
| 7389 | 5085 | 1 | $\sin(x)\sqrt[3]{y}\pi$  | S | K  | CDF  | PLUS  |
| 7390 | 5085 | 2 |  | S | KI | CDF  | MINUS |
| 7391 | 5086 | 1 | $\frac{\sin(x)\pi}{\sqrt[3]{y}}$   | S | K  | CDF  | MINUS |
| 7392 | 5086 | 2 |  | S | KI | CDF  | PLUS  |
| 7393 | 5087 | 1 | $\frac{1}{\sin(x)\sqrt[3]{y}\pi}$  | S | K  | CDIF | PLUS  |
| 7394 | 5087 | 2 |  | S | KI | CDIF | MINUS |
| 7395 | 5088 | 1 | $\frac{\sqrt[3]{y}}{\sin(x)\pi}$   | S | K  | CDIF | MINUS |
| 7396 | 5088 | 2 |  | S | KI | CDIF | PLUS  |
| 7397 | 5089 | 1 | $(\sin(x))^2 y^{2/3}$  | S | K  | AB   | PLUS  |
| 7398 | 5089 | 2 |  | S | KI | AB   | MINUS |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 7399 | 5090 | 1 | $\frac{(\sin(x))^2}{y^{2/3}}$                 | S | K  | AB  | MINUS |
| 7400 | 5090 | 2 |   | S | KI | AB  | PLUS  |
| 7401 | 5091 | 1 | $\sqrt{\sin(x)} \sqrt[3]{y}$                  | S | K  | W   | PLUS  |
| 7402 | 5091 | 2 |   | S | KI | W   | MINUS |
| 7403 | 5092 | 1 | $\sqrt{\frac{\sin(x)}{\sqrt[3]{y}}}$          | S | K  | W   | MINUS |
| 7404 | 5092 | 2 |   | S | KI | W   | PLUS  |
| 7405 | 5093 | 1 | $\frac{1}{(\sin(x))^2 y^{2/3}}$               | S | K  | ABI | PLUS  |
| 7406 | 5093 | 2 |   | S | KI | ABI | MINUS |
| 7407 | 5094 | 1 | $\frac{y^{2/3}}{(\sin(x))^2}$                 | S | K  | ABI | MINUS |
| 7408 | 5094 | 2 |   | S | KI | ABI | PLUS  |
| 7409 | 5095 | 1 | $(\sin(x))^3 y$                               | S | K  | K   | PLUS  |
| 7410 | 5095 | 2 |   | S | KI | K   | MINUS |
| 7411 | 5096 | 1 | $\frac{(\sin(x))^3}{y}$                       | S | K  | K   | MINUS |
| 7412 | 5096 | 2 |   | S | KI | K   | PLUS  |
| 7413 | 5097 | 1 | $\frac{1}{(\sin(x))^3 y}$                     | S | K  | KI  | PLUS  |
| 7414 | 5097 | 2 |   | S | KI | KI  | MINUS |
| 7415 | 5098 | 1 | $\frac{y}{(\sin(x))^3}$                       | S | K  | KI  | MINUS |
| 7416 | 5098 | 2 |   | S | KI | KI  | PLUS  |
| 7417 | 5099 | 1 | $e^{\sin(x)} \sqrt[3]{y}$                     | S | K  | LL  | PLUS  |
| 7418 | 5099 | 2 |   | S | KI | LL  | MINUS |
| 7419 | 5100 | 1 | $e^{\frac{\sin(x)}{\sqrt[3]{y}}}$             | S | K  | LL  | MINUS |
| 7420 | 5100 | 2 |   | S | KI | LL  | PLUS  |
| 7421 | 5101 | 1 | $LOG(\sin(x) \sqrt[3]{y})$                    | S | K  | L   | PLUS  |
| 7422 | 5101 | 2 |   | S | KI | L   | MINUS |
| 7423 | 5102 | 1 | $LOG\left(\frac{\sin(x)}{\sqrt[3]{y}}\right)$ | S | K  | L   | MINUS |
| 7424 | 5102 | 2 |   | S | KI | L   | PLUS  |
| 7425 | 5103 | 1 | $\arcsin(\sin(x) \sqrt[3]{y})$                | S | K  | S   | PLUS  |
| 7426 | 5103 | 2 |   | S | KI | S   | MINUS |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 7427 | 5104 | 1 | $\arcsin\left(\frac{\sin(x)}{\sqrt[3]{y}}\right)$  | S | K  | S  | MINUS |
| 7428 | 5104 | 2 |  | S | KI | S  | PLUS  |
| 7429 | 5105 | 1 | $\arctan\left(\sin(x)\sqrt[3]{y}\right)$   | S | K  | T  | PLUS  |
| 7430 | 5105 | 2 |  | S | KI | T  | MINUS |
| 7431 | 5106 | 1 | $\arctan\left(\frac{\sin(x)}{\sqrt[3]{y}}\right)$  | S | K  | T  | MINUS |
| 7432 | 5106 | 2 |  | S | KI | T  | PLUS  |
| 7433 | 5107 | 1 | $\sqrt{y^{2/3}(\cos(x))^2 - y^{2/3} + 1}$  | S | K  | P  | PLUS  |
| 7434 | 5107 | 2 |  | S | KI | P  | MINUS |
| 7435 | 5108 | 1 | $\sqrt{\frac{(\cos(x))^2 - 1 + y^{2/3}}{y^{2/3}}}$   | S | K  | P  | MINUS |
| 7436 | 5108 | 2 |  | S | KI | P  | PLUS  |
| 7437 | 5109 | 1 | $\sqrt{-y^{2/3}(\cos(x))^2 + y^{2/3} + 1}$   | S | K  | H  | PLUS  |
| 7438 | 5109 | 2 |  | S | KI | H  | MINUS |
| 7439 | 5110 | 1 | $\sqrt{\frac{-(\cos(x))^2 + 1 + y^{2/3}}{y^{2/3}}}$  | S | K  | H  | MINUS |
| 7440 | 5110 | 2 |  | S | KI | H  | PLUS  |
| 7441 | 5111 | 1 | $1/2 e^{\sin(x)\sqrt[3]{y}} - 1/2 e^{-\sin(x)\sqrt[3]{y}}$   | S | K  | SH | PLUS  |
| 7442 | 5111 | 2 |  | S | KI | SH | MINUS |
| 7443 | 5112 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt[3]{y}}} - 1/2 e^{-\frac{\sin(x)}{\sqrt[3]{y}}}$                               | S | K  | SH | MINUS |
| 7444 | 5112 | 2 |  | S | KI | SH | PLUS  |
| 7445 | 5113 | 1 | $1/2 e^{\sin(x)\sqrt[3]{y}} + 1/2 e^{-\sin(x)\sqrt[3]{y}}$   | S | K  | CH | PLUS  |
| 7446 | 5113 | 2 |  | S | KI | CH | MINUS |
| 7447 | 5114 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt[3]{y}}} + 1/2 e^{-\frac{\sin(x)}{\sqrt[3]{y}}}$                               | S | K  | CH | MINUS |
| 7448 | 5114 | 2 |  | S | KI | CH | PLUS  |
| 7449 | 5115 | 1 | $\frac{e^{2\sin(x)\sqrt[3]{y}} - 1}{e^{2\sin(x)\sqrt[3]{y}} + 1}$  | S | K  | TH | PLUS  |
| 7450 | 5115 | 2 |  | S | KI | TH | MINUS |
| 7451 | 5116 | 1 | $1\left(e^{2\frac{\sin(x)}{\sqrt[3]{y}}} - 1\right)\left(e^{2\frac{\sin(x)}{\sqrt[3]{y}}} + 1\right)^{-1}$ | S | K  | TH | MINUS |
| 7452 | 5116 | 2 |  | S | KI | TH | PLUS  |
| 7453 | 5117 | 1 | $\sin(x)\ln(y)$  | S | LL | CD | PLUS  |

|      |      |   |                                    |   |    |      |       |
|------|------|---|------------------------------------|---|----|------|-------|
| 7454 | 5118 | 1 | $\frac{\sin(x)}{\ln(y)}$           | S | LL | CD   | MINUS |
| 7455 | 5119 | 1 | $\frac{1}{\sin(x) \ln(y)}$         | S | LL | CDI  | PLUS  |
| 7456 | 5120 | 1 | $\frac{\ln(y)}{\sin(x)}$           | S | LL | CDI  | MINUS |
| 7457 | 5121 | 1 | $\sin(x) \ln(y) \pi$               | S | LL | CDF  | PLUS  |
| 7458 | 5122 | 1 | $\frac{\sin(x)\pi}{\ln(y)}$        | S | LL | CDF  | MINUS |
| 7459 | 5123 | 1 | $\frac{1}{\sin(x) \ln(y) \pi}$     | S | LL | CDIF | PLUS  |
| 7460 | 5124 | 1 | $\frac{\ln(y)}{\sin(x) \pi}$       | S | LL | CDIF | MINUS |
| 7461 | 5125 | 1 | $(\sin(x))^2 (\ln(y))^2$           | S | LL | AB   | PLUS  |
| 7462 | 5126 | 1 | $\frac{(\sin(x))^2}{(\ln(y))^2}$   | S | LL | AB   | MINUS |
| 7463 | 5127 | 1 | $\sqrt{\sin(x) \ln(y)}$            | S | LL | W    | PLUS  |
| 7464 | 5128 | 1 | $\sqrt{\frac{\sin(x)}{\ln(y)}}$    | S | LL | W    | MINUS |
| 7465 | 5129 | 1 | $\frac{1}{(\sin(x))^2 (\ln(y))^2}$ | S | LL | ABI  | PLUS  |
| 7466 | 5130 | 1 | $\frac{(\ln(y))^2}{(\sin(x))^2}$   | S | LL | ABI  | MINUS |
| 7467 | 5131 | 1 | $(\sin(x))^3 (\ln(y))^3$           | S | LL | K    | PLUS  |
| 7468 | 5132 | 1 | $\frac{(\sin(x))^3}{(\ln(y))^3}$   | S | LL | K    | MINUS |
| 7469 | 5133 | 1 | $\frac{1}{(\sin(x))^3 (\ln(y))^3}$ | S | LL | KI   | PLUS  |
| 7470 | 5134 | 1 | $\frac{(\ln(y))^3}{(\sin(x))^3}$   | S | LL | KI   | MINUS |
| 7471 | 5135 | 1 | $y^{\sin(x)}$                      | S | LL | LL   | PLUS  |
| 7472 | 5136 | 1 | $e^{\frac{\sin(x)}{\ln(y)}}$       | S | LL | LL   | MINUS |
| 7473 | 5137 | 1 | $LOG(\sin(x) \ln(y))$              | S | LL | L    | PLUS  |



|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 7474 | 5138 | 1 | $LOG\left(\frac{\sin(x)}{\ln(y)}\right)$   | S | LL | L   | MINUS |
| 7475 | 5139 | 1 | $\arcsin(\sin(x)\ln(y))$   | S | LL | S   | PLUS  |
| 7476 | 5140 | 1 | $\arcsin\left(\frac{\sin(x)}{\ln(y)}\right)$   | S | LL | S   | MINUS |
| 7477 | 5141 | 1 | $\arctan(\sin(x)\ln(y))$   | S | LL | T   | PLUS  |
| 7478 | 5142 | 1 | $\arctan\left(\frac{\sin(x)}{\ln(y)}\right)$   | S | LL | T   | MINUS |
| 7479 | 5143 | 1 | $\sqrt{(\ln(y))^2(\cos(x))^2 - (\ln(y))^2 + 1}$  | S | LL | P   | PLUS  |
| 7480 | 5144 | 1 | $\sqrt{\frac{(\ln(y))^2 + (\cos(x))^2 - 1}{(\ln(y))^2}}$   | S | LL | P   | MINUS |
| 7481 | 5145 | 1 | $\sqrt{-(\ln(y))^2(\cos(x))^2 + (\ln(y))^2 + 1}$   | S | LL | H   | PLUS  |
| 7482 | 5146 | 1 | $\sqrt{\frac{(\ln(y))^2 - (\cos(x))^2 + 1}{(\ln(y))^2}}$   | S | LL | H   | MINUS |
| 7483 | 5147 | 1 | $1/2 y^{\sin(x)} - 1/2 y^{-\sin(x)}$   | S | LL | SH  | PLUS  |
| 7484 | 5148 | 1 | $1/2 e^{\frac{\sin(x)}{\ln(y)}} - 1/2 e^{-\frac{\sin(x)}{\ln(y)}}$                               | S | LL | SH  | MINUS |
| 7485 | 5149 | 1 | $1/2 y^{\sin(x)} + 1/2 y^{-\sin(x)}$   | S | LL | CH  | PLUS  |
| 7486 | 5150 | 1 | $1/2 e^{\frac{\sin(x)}{\ln(y)}} + 1/2 e^{-\frac{\sin(x)}{\ln(y)}}$                               | S | LL | CH  | MINUS |
| 7487 | 5151 | 1 | $\frac{y^{2\sin(x)} - 1}{y^{2\sin(x)} + 1}$  | S | LL | TH  | PLUS  |
| 7488 | 5152 | 1 | $1\left(e^{2\frac{\sin(x)}{\ln(y)}} - 1\right)\left(e^{2\frac{\sin(x)}{\ln(y)}} + 1\right)^{-1}$ | S | LL | TH  | MINUS |
| 7489 | 5153 | 1 | $\sin(x) EXP(y)$   | S | L  | CD  | PLUS  |
| 7490 | 5154 | 1 | $\frac{\sin(x)}{EXP(y)}$   | S | L  | CD  | MINUS |
| 7491 | 5155 | 1 | $\frac{1}{\sin(x)EXP(y)}$  | S | L  | CDI | PLUS  |
| 7492 | 5156 | 1 | $\frac{EXP(y)}{\sin(x)}$   | S | L  | CDI | MINUS |
| 7493 | 5157 | 1 | $\sin(x) EXP(y) \pi$   | S | L  | CDF | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 7494 | 5158 | 1 | $\frac{\sin(x)\pi}{EXP(y)}$                  | S | L | CDF  | MINUS |
| 7495 | 5159 | 1 | $\frac{1}{\sin(x)EXP(y)\pi}$                 | S | L | CDIF | PLUS  |
| 7496 | 5160 | 1 | $\frac{EXP(y)}{\sin(x)\pi}$                  | S | L | CDIF | MINUS |
| 7497 | 5161 | 1 | $(\sin(x))^2 (EXP(y))^2$                     | S | L | AB   | PLUS  |
| 7498 | 5162 | 1 | $\frac{(\sin(x))^2}{(EXP(y))^2}$             | S | L | AB   | MINUS |
| 7499 | 5163 | 1 | $\sqrt{\sin(x)EXP(y)}$                       | S | L | W    | PLUS  |
| 7500 | 5164 | 1 | $\sqrt{\frac{\sin(x)}{EXP(y)}}$              | S | L | W    | MINUS |
| 7501 | 5165 | 1 | $\frac{1}{(\sin(x))^2 (EXP(y))^2}$           | S | L | ABI  | PLUS  |
| 7502 | 5166 | 1 | $\frac{(EXP(y))^2}{(\sin(x))^2}$             | S | L | ABI  | MINUS |
| 7503 | 5167 | 1 | $(\sin(x))^3 (EXP(y))^3$                     | S | L | K    | PLUS  |
| 7504 | 5168 | 1 | $\frac{(\sin(x))^3}{(EXP(y))^3}$             | S | L | K    | MINUS |
| 7505 | 5169 | 1 | $\frac{1}{(\sin(x))^3 (EXP(y))^3}$           | S | L | KI   | PLUS  |
| 7506 | 5170 | 1 | $\frac{(EXP(y))^3}{(\sin(x))^3}$             | S | L | KI   | MINUS |
| 7507 | 5171 | 1 | $e^{\sin(x)EXP(y)}$                          | S | L | LL   | PLUS  |
| 7508 | 5172 | 1 | $e^{\frac{\sin(x)}{EXP(y)}}$                 | S | L | LL   | MINUS |
| 7509 | 5173 | 1 | $LOG(\sin(x)EXP(y))$                         | S | L | L    | PLUS  |
| 7510 | 5174 | 1 | $LOG\left(\frac{\sin(x)}{EXP(y)}\right)$     | S | L | L    | MINUS |
| 7511 | 5175 | 1 | $\arcsin(\sin(x)EXP(y))$                     | S | L | S    | PLUS  |
| 7512 | 5176 | 1 | $\arcsin\left(\frac{\sin(x)}{EXP(y)}\right)$ | S | L | S    | MINUS |
| 7513 | 5177 | 1 | $\arctan(\sin(x)EXP(y))$                     | S | L | T    | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 7514 | 5178 | 1 | $\arctan\left(\frac{\sin(x)}{\text{EXP}(y)}\right)$  | S | L | T    | MINUS |
| 7515 | 5179 | 1 | $\sqrt{(\text{EXP}(y))^2 (\cos(x))^2 - (\text{EXP}(y))^2 + 1}$   | S | L | P    | PLUS  |
| 7516 | 5180 | 1 | $\sqrt{\frac{(\text{EXP}(y))^2 + (\cos(x))^2 - 1}{(\text{EXP}(y))^2}}$   | S | L | P    | MINUS |
| 7517 | 5181 | 1 | $\sqrt{-(\text{EXP}(y))^2 (\cos(x))^2 + (\text{EXP}(y))^2 + 1}$  | S | L | H    | PLUS  |
| 7518 | 5182 | 1 | $\sqrt{\frac{(\text{EXP}(y))^2 - (\cos(x))^2 + 1}{(\text{EXP}(y))^2}}$   | S | L | H    | MINUS |
| 7519 | 5183 | 1 | $1/2 e^{\sin(x)\text{EXP}(y)} - 1/2 e^{-\sin(x)\text{EXP}(y)}$   | S | L | SH   | PLUS  |
| 7520 | 5184 | 1 | $1/2 e^{\frac{\sin(x)}{\text{EXP}(y)}} - 1/2 e^{-\frac{\sin(x)}{\text{EXP}(y)}}$                                       | S | L | SH   | MINUS |
| 7521 | 5185 | 1 | $1/2 e^{\sin(x)\text{EXP}(y)} + 1/2 e^{-\sin(x)\text{EXP}(y)}$   | S | L | CH   | PLUS  |
| 7522 | 5186 | 1 | $1/2 e^{\frac{\sin(x)}{\text{EXP}(y)}} + 1/2 e^{-\frac{\sin(x)}{\text{EXP}(y)}}$                                       | S | L | CH   | MINUS |
| 7523 | 5187 | 1 | $\frac{e^{2 \sin(x)\text{EXP}(y)} - 1}{e^{2 \sin(x)\text{EXP}(y)} + 1}$  | S | L | TH   | PLUS  |
| 7524 | 5188 | 1 | $1 \left( e^{2 \frac{\sin(x)}{\text{EXP}(y)}} - 1 \right) \left( e^{2 \frac{\sin(x)}{\text{EXP}(y)}} + 1 \right)^{-1}$ | S | L | TH   | MINUS |
| 7525 | 5189 | 1 | $\sin(x) \sin(y)$  | S | S | CD   | PLUS  |
| 7526 | 5190 | 1 | $\frac{\sin(x)}{\sin(y)}$  | S | S | CD   | MINUS |
| 7527 | 5191 | 1 | $\frac{1}{\sin(x) \sin(y)}$  | S | S | CDI  | PLUS  |
| 7528 | 5192 | 1 | $\frac{\sin(y)}{\sin(x)}$  | S | S | CDI  | MINUS |
| 7529 | 5193 | 1 | $\sin(x) \sin(y) \pi$  | S | S | CDF  | PLUS  |
| 7530 | 5194 | 1 | $\frac{\sin(x)\pi}{\sin(y)}$   | S | S | CDF  | MINUS |
| 7531 | 5195 | 1 | $\frac{1}{\sin(x) \sin(y) \pi}$  | S | S | CDIF | PLUS  |
| 7532 | 5196 | 1 | $\frac{\sin(y)}{\sin(x) \pi}$  | S | S | CDIF | MINUS |
| 7533 | 5197 | 1 | $(\sin(x))^2 (\sin(y))^2$  | S | S | AB   | PLUS  |

|      |      |   |   |   |   |     |       |
|------|------|---|---|---|---|-----|-------|
| 7534 | 5198 | 1 | $\frac{(\sin(x))^2}{(\sin(y))^2}$                             | S | S | AB  | MINUS |
| 7535 | 5199 | 1 | $\sqrt{\sin(x) \sin(y)}$                                      | S | S | W   | PLUS  |
| 7536 | 5200 | 1 | $\sqrt{\frac{\sin(x)}{\sin(y)}}$                              | S | S | W   | MINUS |
| 7537 | 5201 | 1 | $\frac{1}{(\sin(x))^2 (\sin(y))^2}$                           | S | S | ABI | PLUS  |
| 7538 | 5202 | 1 | $\frac{(\sin(y))^2}{(\sin(x))^2}$                             | S | S | ABI | MINUS |
| 7539 | 5203 | 1 | $(\sin(x))^3 (\sin(y))^3$                                     | S | S | K   | PLUS  |
| 7540 | 5204 | 1 | $\frac{(\sin(x))^3}{(\sin(y))^3}$                             | S | S | K   | MINUS |
| 7541 | 5205 | 1 | $\frac{1}{(\sin(x))^3 (\sin(y))^3}$                           | S | S | KI  | PLUS  |
| 7542 | 5206 | 1 | $\frac{(\sin(y))^3}{(\sin(x))^3}$                             | S | S | KI  | MINUS |
| 7543 | 5207 | 1 | $e^{\sin(x) \sin(y)}$   | S | S | LL  | PLUS  |
| 7544 | 5208 | 1 | $e^{\frac{\sin(x)}{\sin(y)}}$                                 | S | S | LL  | MINUS |
| 7545 | 5209 | 1 | $LOG(\sin(x) \sin(y))$  | S | S | L   | PLUS  |
| 7546 | 5210 | 1 | $LOG\left(\frac{\sin(x)}{\sin(y)}\right)$                     | S | S | L   | MINUS |
| 7547 | 5211 | 1 | $\arcsin(\sin(x) \sin(y))$                                    | S | S | S   | PLUS  |
| 7548 | 5212 | 1 | $\arcsin\left(\frac{\sin(x)}{\sin(y)}\right)$                 | S | S | S   | MINUS |
| 7549 | 5213 | 1 | $\arctan(\sin(x) \sin(y))$                                    | S | S | T   | PLUS  |
| 7550 | 5214 | 1 | $\arctan\left(\frac{\sin(x)}{\sin(y)}\right)$                 | S | S | T   | MINUS |
| 7551 | 5215 | 1 | $\sqrt{-(\cos(y))^2 (\cos(x))^2 + (\cos(y))^2 + (\cos(x))^2}$ | S | P | P   | PLUS  |
| 7552 | 5216 | 1 | $\sqrt{\frac{(\sin(y))^2 - (\sin(x))^2}{(\sin(y))^2}}$        | S | S | P   | MINUS |
| 7553 | 5217 | 1 | $\sqrt{(\cos(y))^2 (\cos(x))^2 - (\cos(y))^2 - (\cos(x))^2}$  | S | H | H   | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 7554 | 5218 | 1 | $\sqrt{\frac{(\sin(y))^2 + (\sin(x))^2}{(\sin(y))^2}}$   | S | S | H    | MINUS |
| 7555 | 5219 | 1 | $1/2 e^{\sin(x) \sin(y)} - 1/2 e^{-\sin(x) \sin(y)}$   | S | S | SH   | PLUS  |
| 7556 | 5220 | 1 | $1/2 e^{\frac{\sin(x)}{\sin(y)}} - 1/2 e^{-\frac{\sin(x)}{\sin(y)}}$                                       | S | S | SH   | MINUS |
| 7557 | 5221 | 1 | $1/2 e^{\sin(x) \sin(y)} + 1/2 e^{-\sin(x) \sin(y)}$   | S | S | CH   | PLUS  |
| 7558 | 5222 | 1 | $1/2 e^{\frac{\sin(x)}{\sin(y)}} + 1/2 e^{-\frac{\sin(x)}{\sin(y)}}$                                       | S | S | CH   | MINUS |
| 7559 | 5223 | 1 | $\frac{e^{2 \sin(x) \sin(y)} - 1}{e^{2 \sin(x) \sin(y)} + 1}$  | S | S | TH   | PLUS  |
| 7560 | 5224 | 1 | $1 \left( e^{2 \frac{\sin(x)}{\sin(y)}} - 1 \right) \left( e^{2 \frac{\sin(x)}{\sin(y)}} + 1 \right)^{-1}$ | S | S | TH   | MINUS |
| 7561 | 5225 | 1 | $\frac{\sin(x) \sin(y)}{\cos(y)}$  | S | T | CD   | PLUS  |
| 7562 | 5226 | 1 | $\frac{\sin(x) \cos(y)}{\sin(y)}$  | S | T | CD   | MINUS |
| 7563 | 5227 | 1 | $\frac{\cos(y)}{\sin(x) \sin(y)}$  | S | T | CDI  | PLUS  |
| 7564 | 5228 | 1 | $\frac{\sin(y)}{\sin(x) \cos(y)}$  | S | T | CDI  | MINUS |
| 7565 | 5229 | 1 | $\frac{\sin(x) \sin(y) \pi}{\cos(y)}$  | S | T | CDF  | PLUS  |
| 7566 | 5230 | 1 | $\frac{\sin(x) \cos(y) \pi}{\sin(y)}$  | S | T | CDF  | MINUS |
| 7567 | 5231 | 1 | $\frac{\cos(y)}{\sin(x) \sin(y) \pi}$  | S | T | CDIF | PLUS  |
| 7568 | 5232 | 1 | $\frac{\sin(y)}{\sin(x) \cos(y) \pi}$  | S | T | CDIF | MINUS |
| 7569 | 5233 | 1 | $\frac{(\sin(x))^2 (\sin(y))^2}{(\cos(y))^2}$  | S | T | AB   | PLUS  |
| 7570 | 5234 | 1 | $\frac{(\sin(x))^2 (\cos(y))^2}{(\sin(y))^2}$  | S | T | AB   | MINUS |
| 7571 | 5235 | 1 | $\sqrt{\frac{\sin(x) \sin(y)}{\cos(y)}}$   | S | T | W    | PLUS  |
| 7572 | 5236 | 1 | $\sqrt{\frac{\sin(x) \cos(y)}{\sin(y)}}$   | S | T | W    | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 7573 | 5237 | 1 | $\frac{(\cos(y))^2}{(\sin(x))^2(\sin(y))^2}$                                       | S | T | ABI | PLUS  |
| 7574 | 5238 | 1 | $\frac{(\sin(y))^2}{(\sin(x))^2(\cos(y))^2}$                                       | S | T | ABI | MINUS |
| 7575 | 5239 | 1 | $\frac{(\sin(x))^3(\sin(y))^3}{(\cos(y))^3}$                                       | S | T | K   | PLUS  |
| 7576 | 5240 | 1 | $\frac{(\sin(x))^3(\cos(y))^3}{(\sin(y))^3}$                                       | S | T | K   | MINUS |
| 7577 | 5241 | 1 | $\frac{(\cos(y))^3}{(\sin(x))^3(\sin(y))^3}$                                       | S | T | KI  | PLUS  |
| 7578 | 5242 | 1 | $\frac{(\sin(y))^3}{(\sin(x))^3(\cos(y))^3}$                                       | S | T | KI  | MINUS |
| 7579 | 5243 | 1 | $e^{\frac{\sin(x)\sin(y)}{\cos(y)}}$   | S | T | LL  | PLUS  |
| 7580 | 5244 | 1 | $e^{\frac{\sin(x)\cos(y)}{\sin(y)}}$   | S | T | LL  | MINUS |
| 7581 | 5245 | 1 | $LOG\left(\frac{\sin(x)\sin(y)}{\cos(y)}\right)$                                   | S | T | L   | PLUS  |
| 7582 | 5246 | 1 | $LOG\left(\frac{\sin(x)\cos(y)}{\sin(y)}\right)$                                   | S | T | L   | MINUS |
| 7583 | 5247 | 1 | $\arcsin\left(\frac{\sin(x)\sin(y)}{\cos(y)}\right)$                               | S | T | S   | PLUS  |
| 7584 | 5248 | 1 | $\arcsin\left(\frac{\sin(x)\cos(y)}{\sin(y)}\right)$                               | S | T | S   | MINUS |
| 7585 | 5249 | 1 | $\arctan\left(\frac{\sin(x)\sin(y)}{\cos(y)}\right)$                               | S | T | T   | PLUS  |
| 7586 | 5250 | 1 | $\arctan\left(\frac{\sin(x)\cos(y)}{\sin(y)}\right)$                               | S | T | T   | MINUS |
| 7587 | 5251 | 1 | $\sqrt{-\frac{(\cos(y))^2(\cos(x))^2-2(\cos(y))^2-(\cos(x))^2+1}{(\cos(y))^2}}$    | S | T | P   | PLUS  |
| 7588 | 5252 | 1 | $\sqrt{\frac{(\cos(y))^2(\cos(x))^2-2(\cos(y))^2+1}{(\sin(y))^2}}$                 | S | T | P   | MINUS |
| 7589 | 5253 | 1 | $\sqrt{\frac{(\cos(y))^2(\cos(x))^2-(\cos(x))^2+1}{(\cos(y))^2}}$                  | S | T | H   | PLUS  |
| 7590 | 5254 | 1 | $\sqrt{-\frac{(\cos(y))^2(\cos(x))^2-1}{(\sin(y))^2}}$                             | S | T | H   | MINUS |
| 7591 | 5255 | 1 | $1/2 e^{\frac{\sin(x)\sin(y)}{\cos(y)}} - 1/2 e^{-\frac{\sin(x)\sin(y)}{\cos(y)}}$ | S | T | SH  | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 7592 | 5256 | 1 | $1/2 e^{\frac{\sin(x) \cos(y)}{\sin(y)}} - 1/2 e^{-\frac{\sin(x) \cos(y)}{\sin(y)}}$                                       | S | T | SH   | MINUS |
| 7593 | 5257 | 1 | $1/2 e^{\frac{\sin(x) \sin(y)}{\cos(y)}} + 1/2 e^{-\frac{\sin(x) \sin(y)}{\cos(y)}}$                                       | S | T | CH   | PLUS  |
| 7594 | 5258 | 1 | $1/2 e^{\frac{\sin(x) \cos(y)}{\sin(y)}} + 1/2 e^{-\frac{\sin(x) \cos(y)}{\sin(y)}}$                                       | S | T | CH   | MINUS |
| 7595 | 5259 | 1 | $1 \left( e^{2 \frac{\sin(x) \sin(y)}{\cos(y)}} - 1 \right) \left( e^{2 \frac{\sin(x) \sin(y)}{\cos(y)}} + 1 \right)^{-1}$ | S | T | TH   | PLUS  |
| 7596 | 5260 | 1 | $1 \left( e^{2 \frac{\sin(x) \cos(y)}{\sin(y)}} - 1 \right) \left( e^{2 \frac{\sin(x) \cos(y)}{\sin(y)}} + 1 \right)^{-1}$ | S | T | TH   | MINUS |
| 7597 | 5261 | 1 | $\sin(x) \sqrt{-y^2 + 1}$  | S | P | CD   | PLUS  |
| 7598 | 5262 | 1 | $\frac{\sin(x)}{\sqrt{-y^2 + 1}}$  | S | P | CD   | MINUS |
| 7599 | 5263 | 1 | $\frac{1}{\sin(x) \sqrt{-y^2 + 1}}$  | S | P | CDI  | PLUS  |
| 7600 | 5264 | 1 | $\frac{\sqrt{-y^2 + 1}}{\sin(x)}$  | S | P | CDI  | MINUS |
| 7601 | 5265 | 1 | $\sin(x) \sqrt{-y^2 + 1} \pi$  | S | P | CDF  | PLUS  |
| 7602 | 5266 | 1 | $\frac{\sin(x) \pi}{\sqrt{-y^2 + 1}}$  | S | P | CDF  | MINUS |
| 7603 | 5267 | 1 | $\frac{1}{\sin(x) \sqrt{-y^2 + 1} \pi}$  | S | P | CDIF | PLUS  |
| 7604 | 5268 | 1 | $\frac{\sqrt{-y^2 + 1}}{\sin(x) \pi}$  | S | P | CDIF | MINUS |
| 7605 | 5269 | 1 | $(\sin(x))^2 (-y^2 + 1)$   | S | P | AB   | PLUS  |
| 7606 | 5270 | 1 | $-\frac{(\sin(x))^2}{y^2 - 1}$   | S | P | AB   | MINUS |
| 7607 | 5271 | 1 | $\sqrt{\sin(x) \sqrt{-y^2 + 1}}$   | S | P | W    | PLUS  |
| 7608 | 5272 | 1 | $\sqrt{\frac{\sin(x)}{\sqrt{-y^2 + 1}}}$   | S | P | W    | MINUS |
| 7609 | 5273 | 1 | $-\frac{1}{(\sin(x))^2 (y^2 - 1)}$   | S | P | ABI  | PLUS  |

|      |      |   |   |   |   |     |       |
|------|------|---|---|---|---|-----|-------|
| 7610 | 5274 | 1 | $\frac{-y^2+1}{(\sin(x))^2}$                        | S | P | ABI | MINUS |
| 7611 | 5275 | 1 | $(\sin(x))^3 (-y^2+1)^{3/2}$                        | S | P | K   | PLUS  |
| 7612 | 5276 | 1 | $\frac{(\sin(x))^3}{(-y^2+1)^{3/2}}$                | S | P | K   | MINUS |
| 7613 | 5277 | 1 | $\frac{1}{(\sin(x))^3 (-y^2+1)^{3/2}}$              | S | P | KI  | PLUS  |
| 7614 | 5278 | 1 | $\frac{(-y^2+1)^{3/2}}{(\sin(x))^3}$                | S | P | KI  | MINUS |
| 7615 | 5279 | 1 | $e^{\sin(x)\sqrt{-y^2+1}}$                          | S | P | LL  | PLUS  |
| 7616 | 5280 | 1 | $e^{\frac{\sin(x)}{\sqrt{-y^2+1}}}$                 | S | P | LL  | MINUS |
| 7617 | 5281 | 1 | $LOG\left(\sin(x)\sqrt{-y^2+1}\right)$              | S | P | L   | PLUS  |
| 7618 | 5282 | 1 | $LOG\left(\frac{\sin(x)}{\sqrt{-y^2+1}}\right)$     | S | P | L   | MINUS |
| 7619 | 5283 | 1 | $\arcsin\left(\sin(x)\sqrt{-y^2+1}\right)$          | S | P | S   | PLUS  |
| 7620 | 5284 | 1 | $\arcsin\left(\frac{\sin(x)}{\sqrt{-y^2+1}}\right)$ | S | P | S   | MINUS |
| 7621 | 5285 | 1 | $\arctan\left(\sin(x)\sqrt{-y^2+1}\right)$          | S | P | T   | PLUS  |
| 7622 | 5286 | 1 | $\arctan\left(\frac{\sin(x)}{\sqrt{-y^2+1}}\right)$ | S | P | T   | MINUS |
| 7623 | 5287 | 1 | $\sqrt{-(\cos(x))^2 y^2 + (\cos(x))^2 + y^2}$       | S | P | P   | PLUS  |
| 7624 | 5287 | 2 |   | S | H | H   | PLUS  |
| 7625 | 5288 | 1 | $\sqrt{-\frac{(\cos(x))^2 - y^2}{y^2 - 1}}$         | S | P | P   | MINUS |
| 7626 | 5288 | 2 |   | S | H | H   | MINUS |
| 7627 | 5289 | 1 | $\sqrt{(\cos(x))^2 y^2 - (\cos(x))^2 - y^2 + 2}$    | S | P | H   | PLUS  |
| 7628 | 5289 | 2 |   | S | H | P   | PLUS  |
| 7629 | 5290 | 1 | $\sqrt{\frac{(\cos(x))^2 + y^2 - 2}{y^2 - 1}}$      | S | P | H   | MINUS |



|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 7630 | 5290 | 2 |  | S | H | P    | MINUS |
| 7631 | 5291 | 1 | $1/2 e^{\sin(x)\sqrt{-y^2+1}} - 1/2 e^{-\sin(x)\sqrt{-y^2+1}}$   | S | P | SH   | PLUS  |
| 7632 | 5292 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{\sin(x)}{\sqrt{-y^2+1}}}$                                     | S | P | SH   | MINUS |
| 7633 | 5293 | 1 | $1/2 e^{\sin(x)\sqrt{-y^2+1}} + 1/2 e^{-\sin(x)\sqrt{-y^2+1}}$   | S | P | CH   | PLUS  |
| 7634 | 5294 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{\sin(x)}{\sqrt{-y^2+1}}}$                                     | S | P | CH   | MINUS |
| 7635 | 5295 | 1 | $\frac{e^{2\sin(x)\sqrt{-y^2+1}} - 1}{e^{2\sin(x)\sqrt{-y^2+1}} + 1}$  | S | P | TH   | PLUS  |
| 7636 | 5296 | 1 | $1 \left( e^{2\frac{\sin(x)}{\sqrt{-y^2+1}}} - 1 \right) \left( e^{2\frac{\sin(x)}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | S | P | TH   | MINUS |
| 7637 | 5297 | 1 | $\sin(x) \sqrt{y^2 - 1}$   | S | H | CD   | PLUS  |
| 7638 | 5298 | 1 | $\frac{\sin(x)}{\sqrt{y^2 - 1}}$   | S | H | CD   | MINUS |
| 7639 | 5299 | 1 | $\frac{1}{\sin(x)\sqrt{y^2 - 1}}$  | S | H | CDI  | PLUS  |
| 7640 | 5300 | 1 | $\frac{\sqrt{y^2 - 1}}{\sin(x)}$   | S | H | CDI  | MINUS |
| 7641 | 5301 | 1 | $\sin(x) \sqrt{y^2 - 1} \pi$   | S | H | CDF  | PLUS  |
| 7642 | 5302 | 1 | $\frac{\sin(x)\pi}{\sqrt{y^2 - 1}}$  | S | H | CDF  | MINUS |
| 7643 | 5303 | 1 | $\frac{1}{\sin(x)\sqrt{y^2 - 1} \pi}$  | S | H | CDIF | PLUS  |
| 7644 | 5304 | 1 | $\frac{\sqrt{y^2 - 1}}{\sin(x)\pi}$  | S | H | CDIF | MINUS |
| 7645 | 5305 | 1 | $(\sin(x))^2 (y^2 - 1)$  | S | H | AB   | PLUS  |
| 7646 | 5306 | 1 | $\frac{(\sin(x))^2}{y^2 - 1}$  | S | H | AB   | MINUS |
| 7647 | 5307 | 1 | $\sqrt{\sin(x) \sqrt{y^2 - 1}}$  | S | H | W    | PLUS  |
| 7648 | 5308 | 1 | $\sqrt{\frac{\sin(x)}{\sqrt{y^2 - 1}}}$  | S | H | W    | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 7649 | 5309 | 1 | $\frac{1}{(\sin(x))^2(y^2-1)}$   | S | H | ABI | PLUS  |
| 7650 | 5310 | 1 | $\frac{y^2-1}{(\sin(x))^2}$  | S | H | ABI | MINUS |
| 7651 | 5311 | 1 | $(\sin(x))^3(y^2-1)^{3/2}$   | S | H | K   | PLUS  |
| 7652 | 5312 | 1 | $\frac{(\sin(x))^3}{(y^2-1)^{3/2}}$  | S | H | K   | MINUS |
| 7653 | 5313 | 1 | $\frac{1}{(\sin(x))^3(y^2-1)^{3/2}}$   | S | H | KI  | PLUS  |
| 7654 | 5314 | 1 | $\frac{(y^2-1)^{3/2}}{(\sin(x))^3}$  | S | H | KI  | MINUS |
| 7655 | 5315 | 1 | $e^{\sin(x)\sqrt{y^2-1}}$  | S | H | LL  | PLUS  |
| 7656 | 5316 | 1 | $e^{\frac{\sin(x)}{\sqrt{y^2-1}}}$   | S | H | LL  | MINUS |
| 7657 | 5317 | 1 | $LOG\left(\sin(x)\sqrt{y^2-1}\right)$  | S | H | L   | PLUS  |
| 7658 | 5318 | 1 | $LOG\left(\frac{\sin(x)}{\sqrt{y^2-1}}\right)$                                 | S | H | L   | MINUS |
| 7659 | 5319 | 1 | $\arcsin\left(\sin(x)\sqrt{y^2-1}\right)$                                      | S | H | S   | PLUS  |
| 7660 | 5320 | 1 | $\arcsin\left(\frac{\sin(x)}{\sqrt{y^2-1}}\right)$                             | S | H | S   | MINUS |
| 7661 | 5321 | 1 | $\arctan\left(\sin(x)\sqrt{y^2-1}\right)$                                      | S | H | T   | PLUS  |
| 7662 | 5322 | 1 | $\arctan\left(\frac{\sin(x)}{\sqrt{y^2-1}}\right)$                             | S | H | T   | MINUS |
| 7663 | 5323 | 1 | $1/2 e^{\sin(x)\sqrt{y^2-1}} - 1/2 e^{-\sin(x)\sqrt{y^2-1}}$                   | S | H | SH  | PLUS  |
| 7664 | 5324 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{\sin(x)}{\sqrt{y^2-1}}}$ | S | H | SH  | MINUS |
| 7665 | 5325 | 1 | $1/2 e^{\sin(x)\sqrt{y^2-1}} + 1/2 e^{-\sin(x)\sqrt{y^2-1}}$                   | S | H | CH  | PLUS  |
| 7666 | 5326 | 1 | $1/2 e^{\frac{\sin(x)}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{\sin(x)}{\sqrt{y^2-1}}}$ | S | H | CH  | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 7667 | 5327 | 1 | $\frac{e^{2 \sin(x) \sqrt{y^2-1}} - 1}{e^{2 \sin(x) \sqrt{y^2-1}} + 1}$  | S | H  | TH   | PLUS  |
| 7668 | 5328 | 1 | $1 \left( e^{2 \frac{\sin(x)}{\sqrt{y^2-1}}} - 1 \right) \left( e^{2 \frac{\sin(x)}{\sqrt{y^2-1}}} + 1 \right)^{-1}$ | S | H  | TH   | MINUS |
| 7669 | 5329 | 1 | $\sin(x) \ln(y + \sqrt{y^2+1})$  | S | SH | CD   | PLUS  |
| 7670 | 5330 | 1 | $\frac{\sin(x)}{\ln(y + \sqrt{y^2+1})}$  | S | SH | CD   | MINUS |
| 7671 | 5331 | 1 | $\frac{1}{\sin(x) \ln(y + \sqrt{y^2+1})}$  | S | SH | CDI  | PLUS  |
| 7672 | 5332 | 1 | $\frac{\ln(y + \sqrt{y^2+1})}{\sin(x)}$  | S | SH | CDI  | MINUS |
| 7673 | 5333 | 1 | $\sin(x) \ln(y + \sqrt{y^2+1}) \pi$  | S | SH | CDF  | PLUS  |
| 7674 | 5334 | 1 | $\frac{\sin(x) \pi}{\ln(y + \sqrt{y^2+1})}$  | S | SH | CDF  | MINUS |
| 7675 | 5335 | 1 | $\frac{1}{\sin(x) \ln(y + \sqrt{y^2+1}) \pi}$  | S | SH | CDIF | PLUS  |
| 7676 | 5336 | 1 | $\frac{\ln(y + \sqrt{y^2+1})}{\sin(x) \pi}$  | S | SH | CDIF | MINUS |
| 7677 | 5337 | 1 | $(\sin(x))^2 \left( \ln(y + \sqrt{y^2+1}) \right)^2$   | S | SH | AB   | PLUS  |
| 7678 | 5338 | 1 | $\frac{(\sin(x))^2}{\left( \ln(y + \sqrt{y^2+1}) \right)^2}$   | S | SH | AB   | MINUS |
| 7679 | 5339 | 1 | $\sqrt{\sin(x) \ln(y + \sqrt{y^2+1})}$   | S | SH | W    | PLUS  |
| 7680 | 5340 | 1 | $\sqrt{\frac{\sin(x)}{\ln(y + \sqrt{y^2+1})}}$   | S | SH | W    | MINUS |
| 7681 | 5341 | 1 | $\frac{1}{(\sin(x))^2 \left( \ln(y + \sqrt{y^2+1}) \right)^2}$   | S | SH | ABI  | PLUS  |
| 7682 | 5342 | 1 | $\frac{\left( \ln(y + \sqrt{y^2+1}) \right)^2}{(\sin(x))^2}$   | S | SH | ABI  | MINUS |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 7683 | 5343 | 1 | $(\sin(x))^3 \left( \ln(y + \sqrt{y^2 + 1}) \right)^3$   | S | SH | K  | PLUS  |
| 7684 | 5344 | 1 | $\frac{(\sin(x))^3}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^3}$   | S | SH | K  | MINUS |
| 7685 | 5345 | 1 | $\frac{1}{(\sin(x))^3 \left( \ln(y + \sqrt{y^2 + 1}) \right)^3}$   | S | SH | KI | PLUS  |
| 7686 | 5346 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 + 1}) \right)^3}{(\sin(x))^3}$   | S | SH | KI | MINUS |
| 7687 | 5347 | 1 | $\left( y + \sqrt{y^2 + 1} \right)^{\sin(x)}$  | S | SH | LL | PLUS  |
| 7688 | 5348 | 1 | $e^{\frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}}$  | S | SH | LL | MINUS |
| 7689 | 5349 | 1 | $LOG \left( \sin(x) \ln(y + \sqrt{y^2 + 1}) \right)$   | S | SH | L  | PLUS  |
| 7690 | 5350 | 1 | $LOG \left( \frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})} \right)$   | S | SH | L  | MINUS |
| 7691 | 5351 | 1 | $\arcsin \left( \sin(x) \ln(y + \sqrt{y^2 + 1}) \right)$   | S | SH | S  | PLUS  |
| 7692 | 5352 | 1 | $\arcsin \left( \frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})} \right)$   | S | SH | S  | MINUS |
| 7693 | 5353 | 1 | $\arctan \left( \sin(x) \ln(y + \sqrt{y^2 + 1}) \right)$   | S | SH | T  | PLUS  |
| 7694 | 5354 | 1 | $\arctan \left( \frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})} \right)$   | S | SH | T  | MINUS |
| 7695 | 5355 | 1 | $\sqrt{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2 (\cos(x))^2 - \left( \ln(y + \sqrt{y^2 + 1}) \right)^2} + P$         | S | SH | P  | PLUS  |
| 7696 | 5356 | 1 | $\sqrt{\frac{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2 + (\cos(x))^2 - 1}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}}$ | S | SH | P  | MINUS |
| 7697 | 5357 | 1 | $\sqrt{-\left( \ln(y + \sqrt{y^2 + 1}) \right)^2 (\cos(x))^2 + \left( \ln(y + \sqrt{y^2 + 1}) \right)^2} + P$        | S | SH | P  | PLUS  |
| 7698 | 5358 | 1 | $\sqrt{\frac{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2 - (\cos(x))^2 + 1}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}}$ | S | SH | H  | MINUS |

|      |      |   |  |    |    |       |
|------|------|---|--|----|----|-------|
| 7699 | 5359 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{\sin(x)} - 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-\sin(x)}$                                       | SH | SH | PLUS  |
| 7700 | 5360 | 1 | $1/2 e^{\frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}} - 1/2 e^{-\frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}}$                                       | S  | SH | MINUS |
| 7701 | 5361 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{\sin(x)} + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-\sin(x)}$                                       | SH | CH | PLUS  |
| 7702 | 5362 | 1 | $1/2 e^{\frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}} + 1/2 e^{-\frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}}$                                       | S  | SH | MINUS |
| 7703 | 5363 | 1 | $\frac{\left( y + \sqrt{y^2 + 1} \right)^{2 \sin(x)} - 1}{\left( y + \sqrt{y^2 + 1} \right)^{2 \sin(x)} + 1}$                              | S  | SH | PLUS  |
| 7704 | 5364 | 1 | $1 \left( e^{2 \frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}} - 1 \right) \left( e^{2 \frac{\sin(x)}{\ln(y + \sqrt{y^2 + 1})}} + 1 \right)^{-1}$ | S  | SH | MINUS |
| 7705 | 5365 | 1 | $\sin(x) \ln \left( y + \sqrt{y^2 - 1} \right)$  | S  | CH | PLUS  |
| 7706 | 5366 | 1 | $\frac{\sin(x)}{\ln(y + \sqrt{y^2 - 1})}$  | S  | CH | MINUS |
| 7707 | 5367 | 1 | $\frac{1}{\sin(x) \ln(y + \sqrt{y^2 - 1})}$  | S  | CH | PLUS  |
| 7708 | 5368 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{\sin(x)}$  | S  | CH | MINUS |
| 7709 | 5369 | 1 | $\sin(x) \ln \left( y + \sqrt{y^2 - 1} \right) \pi$  | S  | CH | PLUS  |
| 7710 | 5370 | 1 | $\frac{\sin(x) \pi}{\ln(y + \sqrt{y^2 - 1})}$  | S  | CH | MINUS |
| 7711 | 5371 | 1 | $\frac{1}{\sin(x) \ln(y + \sqrt{y^2 - 1}) \pi}$  | S  | CH | PLUS  |
| 7712 | 5372 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{\sin(x) \pi}$  | S  | CH | MINUS |
| 7713 | 5373 | 1 | $\left( \sin(x) \right)^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2$  | S  | CH | PLUS  |
| 7714 | 5374 | 1 | $\frac{\left( \sin(x) \right)^2}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$  | S  | CH | MINUS |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 7715 | 5375 | 1 | $\sqrt{\sin(x) \ln(y + \sqrt{y^2 - 1})}$                      | S | CH | W   | PLUS  |
| 7716 | 5376 | 1 | $\sqrt{\frac{\sin(x)}{\ln(y + \sqrt{y^2 - 1})}}$              | S | CH | W   | MINUS |
| 7717 | 5377 | 1 | $\frac{1}{(\sin(x))^2 (\ln(y + \sqrt{y^2 - 1}))^2}$           | S | CH | ABI | PLUS  |
| 7718 | 5378 | 1 | $\frac{(\ln(y + \sqrt{y^2 - 1}))^2}{(\sin(x))^2}$             | S | CH | ABI | MINUS |
| 7719 | 5379 | 1 | $(\sin(x))^3 (\ln(y + \sqrt{y^2 - 1}))^3$                     | S | CH | K   | PLUS  |
| 7720 | 5380 | 1 | $\frac{(\sin(x))^3}{(\ln(y + \sqrt{y^2 - 1}))^3}$             | S | CH | K   | MINUS |
| 7721 | 5381 | 1 | $\frac{1}{(\sin(x))^3 (\ln(y + \sqrt{y^2 - 1}))^3}$           | S | CH | KI  | PLUS  |
| 7722 | 5382 | 1 | $\frac{(\ln(y + \sqrt{y^2 - 1}))^3}{(\sin(x))^3}$             | S | CH | KI  | MINUS |
| 7723 | 5383 | 1 | $(y + \sqrt{y^2 - 1})^{\sin(x)}$                              | S | CH | LL  | PLUS  |
| 7724 | 5384 | 1 | $e^{\frac{\sin(x)}{\ln(y + \sqrt{y^2 - 1})}}$                 | S | CH | LL  | MINUS |
| 7725 | 5385 | 1 | $LOG(\sin(x) \ln(y + \sqrt{y^2 - 1}))$                        | S | CH | L   | PLUS  |
| 7726 | 5386 | 1 | $LOG\left(\frac{\sin(x)}{\ln(y + \sqrt{y^2 - 1})}\right)$     | S | CH | L   | MINUS |
| 7727 | 5387 | 1 | $\arcsin(\sin(x) \ln(y + \sqrt{y^2 - 1}))$                    | S | CH | S   | PLUS  |
| 7728 | 5388 | 1 | $\arcsin\left(\frac{\sin(x)}{\ln(y + \sqrt{y^2 - 1})}\right)$ | S | CH | S   | MINUS |
| 7729 | 5389 | 1 | $\arctan(\sin(x) \ln(y + \sqrt{y^2 - 1}))$                    | S | CH | T   | PLUS  |
| 7730 | 5390 | 1 | $\arctan\left(\frac{\sin(x)}{\ln(y + \sqrt{y^2 - 1})}\right)$ | S | CH | T   | MINUS |

|      |      |   |  |    |    |      |       |
|------|------|---|--|----|----|------|-------|
| 7731 | 5391 | 1 | $\sqrt{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2\left(\cos(x)\right)^2-\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}$                                     | CH | P  | PLUS |       |
| 7732 | 5392 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2-1+\left(\cos(x)\right)^2}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}}$                          | S  | CH | P    | MINUS |
| 7733 | 5393 | 1 | $\sqrt{-\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2\left(\cos(x)\right)^2+\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}$                                    | CH | H  | PLUS |       |
| 7734 | 5394 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2+1-\left(\cos(x)\right)^2}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}}$                          | S  | CH | H    | MINUS |
| 7735 | 5395 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{\sin(x)}-1/2\left(y+\sqrt{y^2-1}\right)^{-\sin(x)}$   | CH | SH | PLUS |       |
| 7736 | 5396 | 1 | $1/2\mathrm{e}^{\frac{\sin(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}-1/2\mathrm{e}^{-\frac{\sin(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}$                               | S  | CH | SH   | MINUS |
| 7737 | 5397 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{\sin(x)}+1/2\left(y+\sqrt{y^2-1}\right)^{-\sin(x)}$   | CH | CH | PLUS |       |
| 7738 | 5398 | 1 | $1/2\mathrm{e}^{\frac{\sin(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}+1/2\mathrm{e}^{-\frac{\sin(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}$                               | S  | CH | CH   | MINUS |
| 7739 | 5399 | 1 | $\frac{\left(y+\sqrt{y^2-1}\right)^{2\sin(x)}-1}{\left(y+\sqrt{y^2-1}\right)^{2\sin(x)}+1}$  | S  | CH | TH   | PLUS  |
| 7740 | 5400 | 1 | $1\left(\mathrm{e}^{2\frac{\sin(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}-1\right)\left(\mathrm{e}^{2\frac{\sin(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}+1\right)^{-1}$ | S  | CH | TH   | MINUS |
| 7741 | 5401 | 1 | $1/2\sin(x)\ln\left(\frac{-y-1}{y-1}\right)$   | S  | TH | CD   | PLUS  |
| 7742 | 5402 | 1 | $2\sin(x)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | S  | TH | CD   | MINUS |
| 7743 | 5403 | 1 | $2\frac{1}{\sin(x)}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | S  | TH | CDI  | PLUS  |
| 7744 | 5404 | 1 | $1/2\frac{1}{\sin(x)}\ln\left(\frac{-y-1}{y-1}\right)$   | S  | TH | CDI  | MINUS |
| 7745 | 5405 | 1 | $1/2\sin(x)\ln\left(\frac{-y-1}{y-1}\right)\pi$  | S  | TH | CDF  | PLUS  |
| 7746 | 5406 | 1 | $2\sin(x)\pi\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | S  | TH | CDF  | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 7747 | 5407 | 1 | $2 \frac{1}{\sin(x)\pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$       | S | TH | CDIF | PLUS  |
| 7748 | 5408 | 1 | $1/2 \frac{1}{\sin(x)\pi} \ln \left( \frac{-y-1}{y-1} \right)$                         | S | TH | CDIF | MINUS |
| 7749 | 5409 | 1 | $1/4 (\sin(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                 | S | TH | AB   | PLUS  |
| 7750 | 5410 | 1 | $4 (\sin(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                | S | TH | AB   | MINUS |
| 7751 | 5411 | 1 | $1/2 \sqrt{2} \sqrt{\sin(x) \ln \left( \frac{-y-1}{y-1} \right)}$                      | S | TH | W    | PLUS  |
| 7752 | 5412 | 1 | $\sqrt{2} \sqrt{\sin(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$      | S | TH | W    | MINUS |
| 7753 | 5413 | 1 | $4 \frac{1}{(\sin(x))^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$      | S | TH | ABI  | PLUS  |
| 7754 | 5414 | 1 | $1/4 \frac{1}{(\sin(x))^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$       | S | TH | ABI  | MINUS |
| 7755 | 5415 | 1 | $1/8 (\sin(x))^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                 | S | TH | K    | PLUS  |
| 7756 | 5416 | 1 | $8 (\sin(x))^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                | S | TH | K    | MINUS |
| 7757 | 5417 | 1 | $8 \frac{1}{(\sin(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$      | S | TH | KI   | PLUS  |
| 7758 | 5418 | 1 | $1/8 \frac{1}{(\sin(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$       | S | TH | KI   | MINUS |
| 7759 | 5419 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \sin(x)}$  | S | TH | LL   | PLUS  |
| 7760 | 5420 | 1 | $e^{2 \sin(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$                | S | TH | LL   | MINUS |
| 7761 | 5421 | 1 | $LOG \left( 1/2 \sin(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | S | TH | L    | PLUS  |
| 7762 | 5422 | 1 | $LOG \left( 2 \sin(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | S | TH | L    | MINUS |
| 7763 | 5423 | 1 | $\arcsin \left( 1/2 \sin(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$               | S | TH | S    | PLUS  |



|      |      |   |  |    |      |       |       |
|------|------|---|--|----|------|-------|-------|
| 7764 | 5424 | 1 | $\arcsin\left(2\sin(x)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | S  | TH   | S     | MINUS |
| 7765 | 5425 | 1 | $\arctan\left(1/2\sin(x)\ln\left(\frac{-y-1}{y-1}\right)\right)$   | S  | TH   | T     | PLUS  |
| 7766 | 5426 | 1 | $\arctan\left(2\sin(x)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | S  | TH   | T     | MINUS |
| 7767 | 5427 | 1 | $1/2\sqrt{4+\left(-1+(\cos(x))^2\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2}$   | S  | TH   | P     | PLUS  |
| 7768 | 5428 | 1 | $\sqrt{1\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2-4+4(\cos(x))^2\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$  | TH | P    | MINUS |       |
| 7769 | 5429 | 1 | $1/2\sqrt{-\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2(\cos(x))^2+\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4}$  | TH | H    | PLUS  |       |
| 7770 | 5430 | 1 | $\sqrt{1\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4-4(\cos(x))^2\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$  | TH | H    | MINUS |       |
| 7771 | 5431 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\sin(x)}-1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\sin(x)}$   | S  | TH   | SH    | PLUS  |
| 7772 | 5432 | 1 | $1/2e^{2\sin(x)(\ln(\frac{-y-1}{y-1}))^{-1}}-1/2e^{-2\sin(x)(\ln(\frac{-y-1}{y-1}))^{-1}}$   | TH | SH   | MINUS |       |
| 7773 | 5433 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\sin(x)}+1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\sin(x)}$   | S  | TH   | CH    | PLUS  |
| 7774 | 5434 | 1 | $1/2e^{2\sin(x)(\ln(\frac{-y-1}{y-1}))^{-1}}+1/2e^{-2\sin(x)(\ln(\frac{-y-1}{y-1}))^{-1}}$   | TH | CH   | MINUS |       |
| 7775 | 5435 | 1 | $1\left(\left(\frac{-y-1}{y-1}\right)^{1/2\sin(x)}-\left(\frac{-y-1}{y-1}\right)^{-1/2\sin(x)}\right)\left(\left(\frac{-y-1}{y-1}\right)^{1/2\sin(x)}\right)^{-1/2\sin(x)}\left(\left(\frac{-y-1}{y-1}\right)^{-1/2\sin(x)}\right)^{-1}$ | TH | TH   | MINUS |       |
| 7776 | 5436 | 1 | $1\left(e^{4\sin(x)(\ln(\frac{-y-1}{y-1}))^{-1}}-1\right)\left(e^{4\sin(x)(\ln(\frac{-y-1}{y-1}))^{-1}}+1\right)^{-1}$   | TH | TH   | MINUS |       |
| 7777 | 5437 | 1 | $\tan(x)y$   | T  | CD   | CD    | PLUS  |
| 7778 | 5437 | 2 |  | T  | CDI  | CD    | MINUS |
| 7779 | 5437 | 3 |  | T  | CDF  | CDF   | PLUS  |
| 7780 | 5438 | 1 | $\frac{\tan(x)}{y}$  | T  | CD   | CD    | MINUS |
| 7781 | 5438 | 2 |  | T  | CDI  | CD    | PLUS  |
| 7782 | 5438 | 3 |  | T  | CDIF | CDF   | PLUS  |

|      |      |   |                             |   |      |      |       |
|------|------|---|-----------------------------|---|------|------|-------|
| 7783 | 5439 | 1 | $\frac{1}{\tan(x)y}$        | T | CD   | CDI  | PLUS  |
| 7784 | 5439 | 2 |                             | T | CDI  | CDI  | MINUS |
| 7785 | 5439 | 3 |                             | T | CDF  | CDIF | PLUS  |
| 7786 | 5440 | 1 | $\frac{y}{\tan(x)}$         | T | CD   | CDI  | MINUS |
| 7787 | 5440 | 2 |                             | T | CDI  | CDI  | PLUS  |
| 7788 | 5440 | 3 |                             | T | CDIF | CDIF | PLUS  |
| 7789 | 5441 | 1 | $\tan(x)y\pi$               | T | CD   | CDF  | PLUS  |
| 7790 | 5441 | 2 |                             | T | CDI  | CDF  | MINUS |
| 7791 | 5441 | 3 |                             | T | CDIF | CD   | MINUS |
| 7792 | 5442 | 1 | $\frac{\tan(x)\pi}{y}$      | T | CD   | CDF  | MINUS |
| 7793 | 5442 | 2 |                             | T | CDI  | CDF  | PLUS  |
| 7794 | 5442 | 3 |                             | T | CDF  | CD   | MINUS |
| 7795 | 5443 | 1 | $\frac{1}{\tan(x)y\pi}$     | T | CD   | CDIF | PLUS  |
| 7796 | 5443 | 2 |                             | T | CDI  | CDIF | MINUS |
| 7797 | 5443 | 3 |                             | T | CDIF | CDI  | MINUS |
| 7798 | 5444 | 1 | $\frac{y}{\tan(x)\pi}$      | T | CD   | CDIF | MINUS |
| 7799 | 5444 | 2 |                             | T | CDI  | CDIF | PLUS  |
| 7800 | 5444 | 3 |                             | T | CDF  | CDI  | MINUS |
| 7801 | 5445 | 1 | $(\tan(x))^2 y^2$           | T | CD   | AB   | PLUS  |
| 7802 | 5445 | 2 |                             | T | CDI  | AB   | MINUS |
| 7803 | 5446 | 1 | $\frac{(\tan(x))^2}{y^2}$   | T | CD   | AB   | MINUS |
| 7804 | 5446 | 2 |                             | T | CDI  | AB   | PLUS  |
| 7805 | 5447 | 1 | $\sqrt{\tan(x)y}$           | T | CD   | W    | PLUS  |
| 7806 | 5447 | 2 |                             | T | CDI  | W    | MINUS |
| 7807 | 5448 | 1 | $\sqrt{\frac{\tan(x)}{y}}$  | T | CD   | W    | MINUS |
| 7808 | 5448 | 2 |                             | T | CDI  | W    | PLUS  |
| 7809 | 5449 | 1 | $\frac{1}{(\tan(x))^2 y^2}$ | T | CD   | ABI  | PLUS  |
| 7810 | 5449 | 2 |                             | T | CDI  | ABI  | MINUS |
| 7811 | 5450 | 1 | $\frac{y^2}{(\tan(x))^2}$   | T | CD   | ABI  | MINUS |
| 7812 | 5450 | 2 |                             | T | CDI  | ABI  | PLUS  |

|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 7813 | 5451 | 1 | $(\tan(x))^3 y^3$  | T | CD  | K  | PLUS  |
| 7814 | 5451 | 2 |  | T | CDI | K  | MINUS |
| 7815 | 5452 | 1 | $\frac{(\tan(x))^3}{y^3}$  | T | CD  | K  | MINUS |
| 7816 | 5452 | 2 |  | T | CDI | K  | PLUS  |
| 7817 | 5453 | 1 | $\frac{1}{(\tan(x))^3 y^3}$  | T | CD  | KI | PLUS  |
| 7818 | 5453 | 2 |  | T | CDI | KI | MINUS |
| 7819 | 5454 | 1 | $\frac{y^3}{(\tan(x))^3}$  | T | CD  | KI | MINUS |
| 7820 | 5454 | 2 |  | T | CDI | KI | PLUS  |
| 7821 | 5455 | 1 | $e^{\tan(x)y}$   | T | CD  | LL | PLUS  |
| 7822 | 5455 | 2 |  | T | CDI | LL | MINUS |
| 7823 | 5456 | 1 | $e^{\frac{\tan(x)}{y}}$  | T | CD  | LL | MINUS |
| 7824 | 5456 | 2 |  | T | CDI | LL | PLUS  |
| 7825 | 5457 | 1 | $LOG(\tan(x)y)$  | T | CD  | L  | PLUS  |
| 7826 | 5457 | 2 |  | T | CDI | L  | MINUS |
| 7827 | 5458 | 1 | $LOG\left(\frac{\tan(x)}{y}\right)$                                | T | CD  | L  | MINUS |
| 7828 | 5458 | 2 |  | T | CDI | L  | PLUS  |
| 7829 | 5459 | 1 | $\arcsin(\tan(x)y)$  | T | CD  | S  | PLUS  |
| 7830 | 5459 | 2 |  | T | CDI | S  | MINUS |
| 7831 | 5460 | 1 | $\arcsin\left(\frac{\tan(x)}{y}\right)$                            | T | CD  | S  | MINUS |
| 7832 | 5460 | 2 |  | T | CDI | S  | PLUS  |
| 7833 | 5461 | 1 | $\arctan(\tan(x)y)$  | T | CD  | T  | PLUS  |
| 7834 | 5461 | 2 |  | T | CDI | T  | MINUS |
| 7835 | 5462 | 1 | $\arctan\left(\frac{\tan(x)}{y}\right)$                            | T | CD  | T  | MINUS |
| 7836 | 5462 | 2 |  | T | CDI | T  | PLUS  |
| 7837 | 5463 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 + (\cos(x))^2 - y^2}{(\cos(x))^2}}$   | T | CD  | P  | PLUS  |
| 7838 | 5463 | 2 |  | T | CDI | P  | MINUS |
| 7839 | 5464 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 + (\cos(x))^2 - 1}{(\cos(x))^2 y^2}}$ | T | CD  | P  | MINUS |
| 7840 | 5464 | 2 |  | T | CDI | P  | PLUS  |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 7841 | 5465 | 1 | $\sqrt{-\frac{(\cos(x))^2 y^2 - (\cos(x))^2 - y^2}{(\cos(x))^2}}$                              | T | CD  | H    | PLUS  |
| 7842 | 5465 | 2 |  | T | CDI | H    | MINUS |
| 7843 | 5466 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 - (\cos(x))^2 + 1}{(\cos(x))^2 y^2}}$                             | T | CD  | H    | MINUS |
| 7844 | 5466 | 2 |  | T | CDI | H    | PLUS  |
| 7845 | 5467 | 1 | $1/2 e^{\tan(x)y} - 1/2 e^{-\tan(x)y}$   | T | CD  | SH   | PLUS  |
| 7846 | 5467 | 2 |  | T | CDI | SH   | MINUS |
| 7847 | 5468 | 1 | $1/2 e^{\frac{\tan(x)}{y}} - 1/2 e^{-\frac{\tan(x)}{y}}$                                       | T | CD  | SH   | MINUS |
| 7848 | 5468 | 2 |  | T | CDI | SH   | PLUS  |
| 7849 | 5469 | 1 | $1/2 e^{\tan(x)y} + 1/2 e^{-\tan(x)y}$   | T | CD  | CH   | PLUS  |
| 7850 | 5469 | 2 |  | T | CDI | CH   | MINUS |
| 7851 | 5470 | 1 | $1/2 e^{\frac{\tan(x)}{y}} + 1/2 e^{-\frac{\tan(x)}{y}}$                                       | T | CD  | CH   | MINUS |
| 7852 | 5470 | 2 |  | T | CDI | CH   | PLUS  |
| 7853 | 5471 | 1 | $\frac{e^{2 \tan(x)y} - 1}{e^{2 \tan(x)y} + 1}$  | T | CD  | TH   | PLUS  |
| 7854 | 5471 | 2 |  | T | CDI | TH   | MINUS |
| 7855 | 5472 | 1 | $1 \left( e^{2 \frac{\tan(x)}{y}} - 1 \right) \left( e^{2 \frac{\tan(x)}{y}} + 1 \right)^{-1}$ | T | CD  | TH   | MINUS |
| 7856 | 5472 | 2 |  | T | CDI | TH   | PLUS  |
| 7857 | 5473 | 1 | $\frac{\tan(x)y}{\pi}$   | T | CDF | CD   | PLUS  |
| 7858 | 5474 | 1 | $\frac{\pi}{\tan(x)y}$   | T | CDF | CDI  | PLUS  |
| 7859 | 5475 | 1 | $\frac{\tan(x)\pi^2}{y}$   | T | CDF | CDF  | MINUS |
| 7860 | 5476 | 1 | $\frac{y}{\tan(x)\pi^2}$   | T | CDF | CDIF | MINUS |
| 7861 | 5477 | 1 | $\frac{(\tan(x))^2 y^2}{\pi^2}$  | T | CDF | AB   | PLUS  |
| 7862 | 5478 | 1 | $\frac{(\tan(x))^2 \pi^2}{y^2}$  | T | CDF | AB   | MINUS |
| 7863 | 5479 | 1 | $\sqrt{\frac{\tan(x)y}{\pi}}$  | T | CDF | W    | PLUS  |
| 7864 | 5480 | 1 | $\sqrt{\frac{\tan(x)\pi}{y}}$  | T | CDF | W    | MINUS |

|      |      |   |   |   |     |     |       |
|------|------|---|---|---|-----|-----|-------|
| 7865 | 5481 | 1 | $\frac{\pi^2}{(\tan(x))^2 y^2}$   | T | CDF | ABI | PLUS  |
| 7866 | 5482 | 1 | $\frac{y^2}{(\tan(x))^2 \pi^2}$   | T | CDF | ABI | MINUS |
| 7867 | 5483 | 1 | $\frac{(\tan(x))^3 y^3}{\pi^3}$   | T | CDF | K   | PLUS  |
| 7868 | 5484 | 1 | $\frac{(\tan(x))^3 \pi^3}{y^3}$   | T | CDF | K   | MINUS |
| 7869 | 5485 | 1 | $\frac{\pi^3}{(\tan(x))^3 y^3}$   | T | CDF | KI  | PLUS  |
| 7870 | 5486 | 1 | $\frac{y^3}{(\tan(x))^3 \pi^3}$   | T | CDF | KI  | MINUS |
| 7871 | 5487 | 1 | $e^{\frac{\tan(x)y}{\pi}}$  | T | CDF | LL  | PLUS  |
| 7872 | 5488 | 1 | $e^{\frac{\tan(x)\pi}{y}}$  | T | CDF | LL  | MINUS |
| 7873 | 5489 | 1 | $LOG\left(\frac{\tan(x)y}{\pi}\right)$  | T | CDF | L   | PLUS  |
| 7874 | 5490 | 1 | $LOG\left(\frac{\tan(x)\pi}{y}\right)$  | T | CDF | L   | MINUS |
| 7875 | 5491 | 1 | $\arcsin\left(\frac{\tan(x)y}{\pi}\right)$                                    | T | CDF | S   | PLUS  |
| 7876 | 5492 | 1 | $\arcsin\left(\frac{\tan(x)\pi}{y}\right)$                                    | T | CDF | S   | MINUS |
| 7877 | 5493 | 1 | $\arctan\left(\frac{\tan(x)y}{\pi}\right)$                                    | T | CDF | T   | PLUS  |
| 7878 | 5494 | 1 | $\arctan\left(\frac{\tan(x)\pi}{y}\right)$                                    | T | CDF | T   | MINUS |
| 7879 | 5495 | 1 | $\sqrt{\frac{(\cos(x))^2 \pi^2 + (\cos(x))^2 y^2 - y^2}{(\cos(x))^2 \pi^2}}$  | T | CDF | P   | PLUS  |
| 7880 | 5496 | 1 | $\sqrt{\frac{(\cos(x))^2 \pi^2 + (\cos(x))^2 y^2 - \pi^2}{(\cos(x))^2 y^2}}$  | T | CDF | P   | MINUS |
| 7881 | 5497 | 1 | $\sqrt{\frac{(\cos(x))^2 \pi^2 - (\cos(x))^2 y^2 + y^2}{(\cos(x))^2 \pi^2}}$  | T | CDF | H   | PLUS  |
| 7882 | 5498 | 1 | $\sqrt{-\frac{(\cos(x))^2 \pi^2 - (\cos(x))^2 y^2 - \pi^2}{(\cos(x))^2 y^2}}$ | T | CDF | H   | MINUS |
| 7883 | 5499 | 1 | $1/2 e^{\frac{\tan(x)y}{\pi}} - 1/2 e^{-\frac{\tan(x)y}{\pi}}$                | T | CDF | SH  | PLUS  |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 7884 | 5500 | 1 | $1/2 e^{\frac{\tan(x)\pi}{y}} - 1/2 e^{-\frac{\tan(x)\pi}{y}}$                                       | T | CDF  | SH   | MINUS |
| 7885 | 5501 | 1 | $1/2 e^{\frac{\tan(x)y}{\pi}} + 1/2 e^{-\frac{\tan(x)y}{\pi}}$                                       | T | CDF  | CH   | PLUS  |
| 7886 | 5502 | 1 | $1/2 e^{\frac{\tan(x)\pi}{y}} + 1/2 e^{-\frac{\tan(x)\pi}{y}}$                                       | T | CDF  | CH   | MINUS |
| 7887 | 5503 | 1 | $1 \left( e^{2 \frac{\tan(x)y}{\pi}} - 1 \right) \left( e^{2 \frac{\tan(x)y}{\pi}} + 1 \right)^{-1}$ | T | CDF  | TH   | PLUS  |
| 7888 | 5504 | 1 | $1 \left( e^{2 \frac{\tan(x)\pi}{y}} - 1 \right) \left( e^{2 \frac{\tan(x)\pi}{y}} + 1 \right)^{-1}$ | T | CDF  | TH   | MINUS |
| 7889 | 5505 | 1 | $\frac{\tan(x)}{y\pi}$   | T | CDIF | CD   | PLUS  |
| 7890 | 5506 | 1 | $\frac{y\pi}{\tan(x)}$   | T | CDIF | CDI  | PLUS  |
| 7891 | 5507 | 1 | $\tan(x) y\pi^2$   | T | CDIF | CDF  | MINUS |
| 7892 | 5508 | 1 | $\frac{1}{\tan(x)y\pi^2}$  | T | CDIF | CDIF | MINUS |
| 7893 | 5509 | 1 | $\frac{(\tan(x))^2}{y^2\pi^2}$   | T | CDIF | AB   | PLUS  |
| 7894 | 5510 | 1 | $(\tan(x))^2 y^2\pi^2$   | T | CDIF | AB   | MINUS |
| 7895 | 5511 | 1 | $\sqrt{\frac{\tan(x)}{y\pi}}$  | T | CDIF | W    | PLUS  |
| 7896 | 5512 | 1 | $\sqrt{\tan(x) y\pi}$  | T | CDIF | W    | MINUS |
| 7897 | 5513 | 1 | $\frac{y^2\pi^2}{(\tan(x))^2}$   | T | CDIF | ABI  | PLUS  |
| 7898 | 5514 | 1 | $\frac{1}{(\tan(x))^2 y^2\pi^2}$   | T | CDIF | ABI  | MINUS |
| 7899 | 5515 | 1 | $\frac{(\tan(x))^3}{y^3\pi^3}$   | T | CDIF | K    | PLUS  |
| 7900 | 5516 | 1 | $(\tan(x))^3 y^3\pi^3$   | T | CDIF | K    | MINUS |
| 7901 | 5517 | 1 | $\frac{y^3\pi^3}{(\tan(x))^3}$   | T | CDIF | KI   | PLUS  |
| 7902 | 5518 | 1 | $\frac{1}{(\tan(x))^3 y^3\pi^3}$   | T | CDIF | KI   | MINUS |
| 7903 | 5519 | 1 | $e^{\frac{\tan(x)}{y\pi}}$   | T | CDIF | LL   | PLUS  |

|      |      |   |  |   |      |    |       |
|------|------|---|--|---|------|----|-------|
| 7904 | 5520 | 1 | $e^{\tan(x)y\pi}$  | T | CDIF | LL | MINUS |
| 7905 | 5521 | 1 | $LOG\left(\frac{\tan(x)}{y\pi}\right)$   | T | CDIF | L  | PLUS  |
| 7906 | 5522 | 1 | $LOG(\tan(x)y\pi)$   | T | CDIF | L  | MINUS |
| 7907 | 5523 | 1 | $\arcsin\left(\frac{\tan(x)}{y\pi}\right)$   | T | CDIF | S  | PLUS  |
| 7908 | 5524 | 1 | $\arcsin(\tan(x)y\pi)$   | T | CDIF | S  | MINUS |
| 7909 | 5525 | 1 | $\arctan\left(\frac{\tan(x)}{y\pi}\right)$   | T | CDIF | T  | PLUS  |
| 7910 | 5526 | 1 | $\arctan(\tan(x)y\pi)$   | T | CDIF | T  | MINUS |
| 7911 | 5527 | 1 | $\sqrt{\frac{(\cos(x))^2\pi^2y^2+(\cos(x))^2-1}{(\cos(x))^2\pi^2y^2}}$                       | T | CDIF | P  | PLUS  |
| 7912 | 5528 | 1 | $\sqrt{\frac{(\cos(x))^2\pi^2y^2-y^2\pi^2+(\cos(x))^2}{(\cos(x))^2}}$                        | T | CDIF | P  | MINUS |
| 7913 | 5529 | 1 | $\sqrt{\frac{(\cos(x))^2\pi^2y^2-(\cos(x))^2+1}{(\cos(x))^2\pi^2y^2}}$                       | T | CDIF | H  | PLUS  |
| 7914 | 5530 | 1 | $\sqrt{-\frac{(\cos(x))^2\pi^2y^2-y^2\pi^2-(\cos(x))^2}{(\cos(x))^2}}$                       | T | CDIF | H  | MINUS |
| 7915 | 5531 | 1 | $1/2e^{\frac{\tan(x)}{y\pi}} - 1/2e^{-\frac{\tan(x)}{y\pi}}$                                 | T | CDIF | SH | PLUS  |
| 7916 | 5532 | 1 | $1/2e^{\tan(x)y\pi} - 1/2e^{-\tan(x)y\pi}$   | T | CDIF | SH | MINUS |
| 7917 | 5533 | 1 | $1/2e^{\frac{\tan(x)}{y\pi}} + 1/2e^{-\frac{\tan(x)}{y\pi}}$                                 | T | CDIF | CH | PLUS  |
| 7918 | 5534 | 1 | $1/2e^{\tan(x)y\pi} + 1/2e^{-\tan(x)y\pi}$   | T | CDIF | CH | MINUS |
| 7919 | 5535 | 1 | $1\left(e^{2\frac{\tan(x)}{y\pi}} - 1\right)\left(e^{2\frac{\tan(x)}{y\pi}} + 1\right)^{-1}$ | T | CDIF | TH | PLUS  |
| 7920 | 5536 | 1 | $\frac{e^{2\frac{\tan(x)}{y\pi}} - 1}{e^{2\frac{\tan(x)}{y\pi}} + 1}$                        | T | CDIF | TH | MINUS |
| 7921 | 5537 | 1 | $\tan(x)\sqrt{y}$  | T | AB   | CD | PLUS  |
| 7922 | 5537 | 2 |  | T | ABI  | CD | MINUS |
| 7923 | 5538 | 1 | $\frac{\tan(x)}{\sqrt{y}}$   | T | AB   | CD | MINUS |
| 7924 | 5538 | 2 |  | T | ABI  | CD | PLUS  |

|      |      |   |                                   |   |     |      |       |
|------|------|---|-----------------------------------|---|-----|------|-------|
| 7925 | 5539 | 1 | $\frac{1}{\tan(x)\sqrt{y}}$       | T | AB  | CDI  | PLUS  |
| 7926 | 5539 | 2 |                                   | T | ABI | CDI  | MINUS |
| 7927 | 5540 | 1 | $\frac{\sqrt{y}}{\tan(x)}$        | T | AB  | CDI  | MINUS |
| 7928 | 5540 | 2 |                                   | T | ABI | CDI  | PLUS  |
| 7929 | 5541 | 1 | $\tan(x)\sqrt{y}\pi$              | T | AB  | CDF  | PLUS  |
| 7930 | 5541 | 2 |                                   | T | ABI | CDF  | MINUS |
| 7931 | 5542 | 1 | $\frac{\tan(x)\pi}{\sqrt{y}}$     | T | AB  | CDF  | MINUS |
| 7932 | 5542 | 2 |                                   | T | ABI | CDF  | PLUS  |
| 7933 | 5543 | 1 | $\frac{1}{\tan(x)\sqrt{y}\pi}$    | T | AB  | CDIF | PLUS  |
| 7934 | 5543 | 2 |                                   | T | ABI | CDIF | MINUS |
| 7935 | 5544 | 1 | $\frac{\sqrt{y}}{\tan(x)\pi}$     | T | AB  | CDIF | MINUS |
| 7936 | 5544 | 2 |                                   | T | ABI | CDIF | PLUS  |
| 7937 | 5545 | 1 | $(\tan(x))^2 y$                   | T | AB  | AB   | PLUS  |
| 7938 | 5545 | 2 |                                   | T | ABI | AB   | MINUS |
| 7939 | 5546 | 1 | $\frac{(\tan(x))^2}{y}$           | T | AB  | AB   | MINUS |
| 7940 | 5546 | 2 |                                   | T | ABI | AB   | PLUS  |
| 7941 | 5547 | 1 | $\sqrt{\tan(x)\sqrt{y}}$          | T | AB  | W    | PLUS  |
| 7942 | 5547 | 2 |                                   | T | ABI | W    | MINUS |
| 7943 | 5548 | 1 | $\sqrt{\frac{\tan(x)}{\sqrt{y}}}$ | T | AB  | W    | MINUS |
| 7944 | 5548 | 2 |                                   | T | ABI | W    | PLUS  |
| 7945 | 5549 | 1 | $\frac{1}{(\tan(x))^2 y}$         | T | AB  | ABI  | PLUS  |
| 7946 | 5549 | 2 |                                   | T | ABI | ABI  | MINUS |
| 7947 | 5550 | 1 | $\frac{y}{(\tan(x))^2}$           | T | AB  | ABI  | MINUS |
| 7948 | 5550 | 2 |                                   | T | ABI | ABI  | PLUS  |
| 7949 | 5551 | 1 | $(\tan(x))^3 y^{3/2}$             | T | AB  | K    | PLUS  |
| 7950 | 5551 | 2 |                                   | T | ABI | K    | MINUS |
| 7951 | 5552 | 1 | $\frac{(\tan(x))^3}{y^{3/2}}$     | T | AB  | K    | MINUS |
| 7952 | 5552 | 2 |                                   | T | ABI | K    | PLUS  |



|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 7953 | 5553 | 1 | $\frac{1}{(\tan(x))^3 y^{3/2}}$                                | T | AB  | KI | PLUS  |
| 7954 | 5553 | 2 |  | T | ABI | KI | MINUS |
| 7955 | 5554 | 1 | $\frac{y^{3/2}}{(\tan(x))^3}$                                  | T | AB  | KI | MINUS |
| 7956 | 5554 | 2 |  | T | ABI | KI | PLUS  |
| 7957 | 5555 | 1 | $e^{\tan(x)\sqrt{y}}$  | T | AB  | LL | PLUS  |
| 7958 | 5555 | 2 |  | T | ABI | LL | MINUS |
| 7959 | 5556 | 1 | $e^{\frac{\tan(x)}{\sqrt{y}}}$                                 | T | AB  | LL | MINUS |
| 7960 | 5556 | 2 |  | T | ABI | LL | PLUS  |
| 7961 | 5557 | 1 | $LOG(\tan(x)\sqrt{y})$   | T | AB  | L  | PLUS  |
| 7962 | 5557 | 2 |  | T | ABI | L  | MINUS |
| 7963 | 5558 | 1 | $LOG\left(\frac{\tan(x)}{\sqrt{y}}\right)$                     | T | AB  | L  | MINUS |
| 7964 | 5558 | 2 |  | T | ABI | L  | PLUS  |
| 7965 | 5559 | 1 | $\arcsin(\tan(x)\sqrt{y})$                                     | T | AB  | S  | PLUS  |
| 7966 | 5559 | 2 |  | T | ABI | S  | MINUS |
| 7967 | 5560 | 1 | $\arcsin\left(\frac{\tan(x)}{\sqrt{y}}\right)$                 | T | AB  | S  | MINUS |
| 7968 | 5560 | 2 |  | T | ABI | S  | PLUS  |
| 7969 | 5561 | 1 | $\arctan(\tan(x)\sqrt{y})$                                     | T | AB  | T  | PLUS  |
| 7970 | 5561 | 2 |  | T | ABI | T  | MINUS |
| 7971 | 5562 | 1 | $\arctan\left(\frac{\tan(x)}{\sqrt{y}}\right)$                 | T | AB  | T  | MINUS |
| 7972 | 5562 | 2 |  | T | ABI | T  | PLUS  |
| 7973 | 5563 | 1 | $\sqrt{\frac{(\cos(x))^2 y + (\cos(x))^2 - y}{(\cos(x))^2}}$   | T | AB  | P  | PLUS  |
| 7974 | 5563 | 2 |  | T | ABI | P  | MINUS |
| 7975 | 5564 | 1 | $\sqrt{\frac{(\cos(x))^2 y + (\cos(x))^2 - 1}{(\cos(x))^2 y}}$ | T | AB  | P  | MINUS |
| 7976 | 5564 | 2 |  | T | ABI | P  | PLUS  |
| 7977 | 5565 | 1 | $\sqrt{-\frac{(\cos(x))^2 y - (\cos(x))^2 - y}{(\cos(x))^2}}$  | T | AB  | H  | PLUS  |
| 7978 | 5565 | 2 |  | T | ABI | H  | MINUS |
| 7979 | 5566 | 1 | $\sqrt{\frac{(\cos(x))^2 y - (\cos(x))^2 + 1}{(\cos(x))^2 y}}$ | T | AB  | H  | MINUS |
| 7980 | 5566 | 2 |  | T | ABI | H  | PLUS  |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 7981 | 5567 | 1 | $1/2 e^{\tan(x)\sqrt{y}} - 1/2 e^{-\tan(x)\sqrt{y}}$   | T | AB  | SH   | PLUS  |
| 7982 | 5567 | 2 |  | T | ABI | SH   | MINUS |
| 7983 | 5568 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt{y}}} - 1/2 e^{-\frac{\tan(x)}{\sqrt{y}}}$                                       | T | AB  | SH   | MINUS |
| 7984 | 5568 | 2 |  | T | ABI | SH   | PLUS  |
| 7985 | 5569 | 1 | $1/2 e^{\tan(x)\sqrt{y}} + 1/2 e^{-\tan(x)\sqrt{y}}$   | T | AB  | CH   | PLUS  |
| 7986 | 5569 | 2 |  | T | ABI | CH   | MINUS |
| 7987 | 5570 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt{y}}} + 1/2 e^{-\frac{\tan(x)}{\sqrt{y}}}$                                       | T | AB  | CH   | MINUS |
| 7988 | 5570 | 2 |  | T | ABI | CH   | PLUS  |
| 7989 | 5571 | 1 | $\frac{e^{2 \tan(x)\sqrt{y}} - 1}{e^{2 \tan(x)\sqrt{y}} + 1}$  | T | AB  | TH   | PLUS  |
| 7990 | 5571 | 2 |  | T | ABI | TH   | MINUS |
| 7991 | 5572 | 1 | $1 \left( e^{2 \frac{\tan(x)}{\sqrt{y}}} - 1 \right) \left( e^{2 \frac{\tan(x)}{\sqrt{y}}} + 1 \right)^{-1}$ | T | AB  | TH   | MINUS |
| 7992 | 5572 | 2 |  | T | ABI | TH   | PLUS  |
| 7993 | 5573 | 1 | $\tan(x) y^2$  | T | W   | CD   | PLUS  |
| 7994 | 5574 | 1 | $\frac{\tan(x)}{y^2}$  | T | W   | CD   | MINUS |
| 7995 | 5575 | 1 | $\frac{1}{\tan(x)y^2}$   | T | W   | CDI  | PLUS  |
| 7996 | 5576 | 1 | $\frac{y^2}{\tan(x)}$  | T | W   | CDI  | MINUS |
| 7997 | 5577 | 1 | $\tan(x) y^2 \pi$  | T | W   | CDF  | PLUS  |
| 7998 | 5578 | 1 | $\frac{\tan(x)\pi}{y^2}$   | T | W   | CDF  | MINUS |
| 7999 | 5579 | 1 | $\frac{1}{\tan(x)y^2\pi}$  | T | W   | CDIF | PLUS  |
| 8000 | 5580 | 1 | $\frac{y^2}{\tan(x)\pi}$   | T | W   | CDIF | MINUS |
| 8001 | 5581 | 1 | $(\tan(x))^2 y^4$  | T | W   | AB   | PLUS  |
| 8002 | 5582 | 1 | $\frac{(\tan(x))^2}{y^4}$  | T | W   | AB   | MINUS |
| 8003 | 5583 | 1 | $\sqrt{\tan(x) y^2}$   | T | W   | W    | PLUS  |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 8004 | 5584 | 1 | $\sqrt{\frac{\tan(x)}{y^2}}$                                       | T | W | W   | MINUS |
| 8005 | 5585 | 1 | $\frac{1}{(\tan(x))^2 y^4}$  | T | W | ABI | PLUS  |
| 8006 | 5586 | 1 | $\frac{y^4}{(\tan(x))^2}$  | T | W | ABI | MINUS |
| 8007 | 5587 | 1 | $(\tan(x))^3 y^6$  | T | W | K   | PLUS  |
| 8008 | 5588 | 1 | $\frac{(\tan(x))^3}{y^6}$  | T | W | K   | MINUS |
| 8009 | 5589 | 1 | $\frac{1}{(\tan(x))^3 y^6}$  | T | W | KI  | PLUS  |
| 8010 | 5590 | 1 | $\frac{y^6}{(\tan(x))^3}$  | T | W | KI  | MINUS |
| 8011 | 5591 | 1 | $e^{\tan(x)y^2}$   | T | W | LL  | PLUS  |
| 8012 | 5592 | 1 | $e^{\frac{\tan(x)}{y^2}}$  | T | W | LL  | MINUS |
| 8013 | 5593 | 1 | $LOG(\tan(x)y^2)$  | T | W | L   | PLUS  |
| 8014 | 5594 | 1 | $LOG\left(\frac{\tan(x)}{y^2}\right)$                              | T | W | L   | MINUS |
| 8015 | 5595 | 1 | $\arcsin(\tan(x)y^2)$  | T | W | S   | PLUS  |
| 8016 | 5596 | 1 | $\arcsin\left(\frac{\tan(x)}{y^2}\right)$                          | T | W | S   | MINUS |
| 8017 | 5597 | 1 | $\arctan(\tan(x)y^2)$  | T | W | T   | PLUS  |
| 8018 | 5598 | 1 | $\arctan\left(\frac{\tan(x)}{y^2}\right)$                          | T | W | T   | MINUS |
| 8019 | 5599 | 1 | $\sqrt{\frac{(\cos(x))^2 y^4 - y^4 + (\cos(x))^2}{(\cos(x))^2}}$   | T | W | P   | PLUS  |
| 8020 | 5600 | 1 | $\sqrt{\frac{(\cos(x))^2 y^4 + (\cos(x))^2 - 1}{(\cos(x))^2 y^4}}$ | T | W | P   | MINUS |
| 8021 | 5601 | 1 | $\sqrt{-\frac{(\cos(x))^2 y^4 - y^4 - (\cos(x))^2}{(\cos(x))^2}}$  | T | W | H   | PLUS  |
| 8022 | 5602 | 1 | $\sqrt{\frac{(\cos(x))^2 y^4 - (\cos(x))^2 + 1}{(\cos(x))^2 y^4}}$ | T | W | H   | MINUS |
| 8023 | 5603 | 1 | $1/2 e^{\tan(x)y^2} - 1/2 e^{-\tan(x)y^2}$                         | T | W | SH  | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8024 | 5604 | 1 | $1/2 e^{\frac{\tan(x)}{y^2}} - 1/2 e^{-\frac{\tan(x)}{y^2}}$                                       | T | W  | SH   | MINUS |
| 8025 | 5605 | 1 | $1/2 e^{\tan(x)y^2} + 1/2 e^{-\tan(x)y^2}$   | T | W  | CH   | PLUS  |
| 8026 | 5606 | 1 | $1/2 e^{\frac{\tan(x)}{y^2}} + 1/2 e^{-\frac{\tan(x)}{y^2}}$                                       | T | W  | CH   | MINUS |
| 8027 | 5607 | 1 | $\frac{e^{2 \tan(x)y^2} - 1}{e^{2 \tan(x)y^2} + 1}$  | T | W  | TH   | PLUS  |
| 8028 | 5608 | 1 | $1 \left( e^{2 \frac{\tan(x)}{y^2}} - 1 \right) \left( e^{2 \frac{\tan(x)}{y^2}} + 1 \right)^{-1}$ | T | W  | TH   | MINUS |
| 8029 | 5609 | 1 | $\tan(x) \sqrt[3]{y}$  | T | K  | CD   | PLUS  |
| 8030 | 5609 | 2 |  | T | KI | CD   | MINUS |
| 8031 | 5610 | 1 | $\frac{\tan(x)}{\sqrt[3]{y}}$  | T | K  | CD   | MINUS |
| 8032 | 5610 | 2 |  | T | KI | CD   | PLUS  |
| 8033 | 5611 | 1 | $\frac{1}{\tan(x) \sqrt[3]{y}}$  | T | K  | CDI  | PLUS  |
| 8034 | 5611 | 2 |  | T | KI | CDI  | MINUS |
| 8035 | 5612 | 1 | $\frac{\sqrt[3]{y}}{\tan(x)}$  | T | K  | CDI  | MINUS |
| 8036 | 5612 | 2 |  | T | KI | CDI  | PLUS  |
| 8037 | 5613 | 1 | $\tan(x) \sqrt[3]{y} \pi$  | T | K  | CDF  | PLUS  |
| 8038 | 5613 | 2 |  | T | KI | CDF  | MINUS |
| 8039 | 5614 | 1 | $\frac{\tan(x) \pi}{\sqrt[3]{y}}$  | T | K  | CDF  | MINUS |
| 8040 | 5614 | 2 |  | T | KI | CDF  | PLUS  |
| 8041 | 5615 | 1 | $\frac{1}{\tan(x) \sqrt[3]{y} \pi}$  | T | K  | CDIF | PLUS  |
| 8042 | 5615 | 2 |  | T | KI | CDIF | MINUS |
| 8043 | 5616 | 1 | $\frac{\sqrt[3]{y}}{\tan(x) \pi}$  | T | K  | CDIF | MINUS |
| 8044 | 5616 | 2 |  | T | KI | CDIF | PLUS  |
| 8045 | 5617 | 1 | $(\tan(x))^2 y^{2/3}$  | T | K  | AB   | PLUS  |
| 8046 | 5617 | 2 |  | T | KI | AB   | MINUS |
| 8047 | 5618 | 1 | $\frac{(\tan(x))^2}{y^{2/3}}$  | T | K  | AB   | MINUS |
| 8048 | 5618 | 2 |  | T | KI | AB   | PLUS  |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 8049 | 5619 | 1 | $\sqrt{\tan(x)} \sqrt[3]{y}$                      | T | K  | W   | PLUS  |
| 8050 | 5619 | 2 |   | T | KI | W   | MINUS |
| 8051 | 5620 | 1 | $\sqrt{\frac{\tan(x)}{\sqrt[3]{y}}}$              | T | K  | W   | MINUS |
| 8052 | 5620 | 2 |   | T | KI | W   | PLUS  |
| 8053 | 5621 | 1 | $\frac{1}{(\tan(x))^2 y^{2/3}}$                   | T | K  | ABI | PLUS  |
| 8054 | 5621 | 2 |   | T | KI | ABI | MINUS |
| 8055 | 5622 | 1 | $\frac{y^{2/3}}{(\tan(x))^2}$                     | T | K  | ABI | MINUS |
| 8056 | 5622 | 2 |   | T | KI | ABI | PLUS  |
| 8057 | 5623 | 1 | $(\tan(x))^3 y$                                   | T | K  | K   | PLUS  |
| 8058 | 5623 | 2 |   | T | KI | K   | MINUS |
| 8059 | 5624 | 1 | $\frac{(\tan(x))^3}{y}$                           | T | K  | K   | MINUS |
| 8060 | 5624 | 2 |   | T | KI | K   | PLUS  |
| 8061 | 5625 | 1 | $\frac{1}{(\tan(x))^3 y}$                         | T | K  | KI  | PLUS  |
| 8062 | 5625 | 2 |   | T | KI | KI  | MINUS |
| 8063 | 5626 | 1 | $\frac{y}{(\tan(x))^3}$                           | T | K  | KI  | MINUS |
| 8064 | 5626 | 2 |   | T | KI | KI  | PLUS  |
| 8065 | 5627 | 1 | $e^{\tan(x) \sqrt[3]{y}}$                         | T | K  | LL  | PLUS  |
| 8066 | 5627 | 2 |   | T | KI | LL  | MINUS |
| 8067 | 5628 | 1 | $e^{\frac{\tan(x)}{\sqrt[3]{y}}}$                 | T | K  | LL  | MINUS |
| 8068 | 5628 | 2 |   | T | KI | LL  | PLUS  |
| 8069 | 5629 | 1 | $LOG(\tan(x) \sqrt[3]{y})$                        | T | K  | L   | PLUS  |
| 8070 | 5629 | 2 |   | T | KI | L   | MINUS |
| 8071 | 5630 | 1 | $LOG\left(\frac{\tan(x)}{\sqrt[3]{y}}\right)$     | T | K  | L   | MINUS |
| 8072 | 5630 | 2 |   | T | KI | L   | PLUS  |
| 8073 | 5631 | 1 | $\arcsin(\tan(x) \sqrt[3]{y})$                    | T | K  | S   | PLUS  |
| 8074 | 5631 | 2 |   | T | KI | S   | MINUS |
| 8075 | 5632 | 1 | $\arcsin\left(\frac{\tan(x)}{\sqrt[3]{y}}\right)$ | T | K  | S   | MINUS |
| 8076 | 5632 | 2 |   | T | KI | S   | PLUS  |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 8077 | 5633 | 1 | $\arctan(\tan(x) \sqrt[3]{y})$   | T | K  | T  | PLUS  |
| 8078 | 5633 | 2 |  | T | KI | T  | MINUS |
| 8079 | 5634 | 1 | $\arctan\left(\frac{\tan(x)}{\sqrt[3]{y}}\right)$  | T | K  | T  | MINUS |
| 8080 | 5634 | 2 |  | T | KI | T  | PLUS  |
| 8081 | 5635 | 1 | $\sqrt{\frac{y^{2/3}(\cos(x))^2 - y^{2/3} + (\cos(x))^2}{(\cos(x))^2}}$  | T | K  | P  | PLUS  |
| 8082 | 5635 | 2 |  | T | KI | P  | MINUS |
| 8083 | 5636 | 1 | $\sqrt{\frac{(\cos(x))^2 - 1 + y^{2/3}(\cos(x))^2}{y^{2/3}(\cos(x))^2}}$   | T | K  | P  | MINUS |
| 8084 | 5636 | 2 |  | T | KI | P  | PLUS  |
| 8085 | 5637 | 1 | $\sqrt{-\frac{y^{2/3}(\cos(x))^2 - y^{2/3} - (\cos(x))^2}{(\cos(x))^2}}$   | T | K  | H  | PLUS  |
| 8086 | 5637 | 2 |  | T | KI | H  | MINUS |
| 8087 | 5638 | 1 | $\sqrt{\frac{-(\cos(x))^2 + 1 + y^{2/3}(\cos(x))^2}{y^{2/3}(\cos(x))^2}}$  | T | K  | H  | MINUS |
| 8088 | 5638 | 2 |  | T | KI | H  | PLUS  |
| 8089 | 5639 | 1 | $1/2 e^{\tan(x) \sqrt[3]{y}} - 1/2 e^{-\tan(x) \sqrt[3]{y}}$   | T | K  | SH | PLUS  |
| 8090 | 5639 | 2 |  | T | KI | SH | MINUS |
| 8091 | 5640 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt[3]{y}}} - 1/2 e^{-\frac{\tan(x)}{\sqrt[3]{y}}}$                                       | T | K  | SH | MINUS |
| 8092 | 5640 | 2 |  | T | KI | SH | PLUS  |
| 8093 | 5641 | 1 | $1/2 e^{\tan(x) \sqrt[3]{y}} + 1/2 e^{-\tan(x) \sqrt[3]{y}}$   | T | K  | CH | PLUS  |
| 8094 | 5641 | 2 |  | T | KI | CH | MINUS |
| 8095 | 5642 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt[3]{y}}} + 1/2 e^{-\frac{\tan(x)}{\sqrt[3]{y}}}$                                       | T | K  | CH | MINUS |
| 8096 | 5642 | 2 |  | T | KI | CH | PLUS  |
| 8097 | 5643 | 1 | $\frac{e^{2 \tan(x) \sqrt[3]{y}} - 1}{e^{2 \tan(x) \sqrt[3]{y}} + 1}$  | T | K  | TH | PLUS  |
| 8098 | 5643 | 2 |  | T | KI | TH | MINUS |
| 8099 | 5644 | 1 | $1 \left( e^{2 \frac{\tan(x)}{\sqrt[3]{y}}} - 1 \right) \left( e^{2 \frac{\tan(x)}{\sqrt[3]{y}}} + 1 \right)^{-1}$ | T | K  | TH | MINUS |
| 8100 | 5644 | 2 |  | T | KI | TH | PLUS  |
| 8101 | 5645 | 1 | $\tan(x) \ln(y)$   | T | LL | CD | PLUS  |
| 8102 | 5646 | 1 | $\frac{\tan(x)}{\ln(y)}$   | T | LL | CD | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8103 | 5647 | 1 | $\frac{1}{\tan(x) \ln(y)}$               | T | LL | CDI  | PLUS  |
| 8104 | 5648 | 1 | $\frac{\ln(y)}{\tan(x)}$                 | T | LL | CDI  | MINUS |
| 8105 | 5649 | 1 | $\tan(x) \ln(y) \pi$                     | T | LL | CDF  | PLUS  |
| 8106 | 5650 | 1 | $\frac{\tan(x) \pi}{\ln(y)}$             | T | LL | CDF  | MINUS |
| 8107 | 5651 | 1 | $\frac{1}{\tan(x) \ln(y) \pi}$           | T | LL | CDIF | PLUS  |
| 8108 | 5652 | 1 | $\frac{\ln(y)}{\tan(x) \pi}$             | T | LL | CDIF | MINUS |
| 8109 | 5653 | 1 | $(\tan(x))^2 (\ln(y))^2$                 | T | LL | AB   | PLUS  |
| 8110 | 5654 | 1 | $\frac{(\tan(x))^2}{(\ln(y))^2}$         | T | LL | AB   | MINUS |
| 8111 | 5655 | 1 | $\sqrt{\tan(x) \ln(y)}$                  | T | LL | W    | PLUS  |
| 8112 | 5656 | 1 | $\sqrt{\frac{\tan(x)}{\ln(y)}}$          | T | LL | W    | MINUS |
| 8113 | 5657 | 1 | $\frac{1}{(\tan(x))^2 (\ln(y))^2}$       | T | LL | ABI  | PLUS  |
| 8114 | 5658 | 1 | $\frac{(\ln(y))^2}{(\tan(x))^2}$         | T | LL | ABI  | MINUS |
| 8115 | 5659 | 1 | $(\tan(x))^3 (\ln(y))^3$                 | T | LL | K    | PLUS  |
| 8116 | 5660 | 1 | $\frac{(\tan(x))^3}{(\ln(y))^3}$         | T | LL | K    | MINUS |
| 8117 | 5661 | 1 | $\frac{1}{(\tan(x))^3 (\ln(y))^3}$       | T | LL | KI   | PLUS  |
| 8118 | 5662 | 1 | $\frac{(\ln(y))^3}{(\tan(x))^3}$         | T | LL | KI   | MINUS |
| 8119 | 5663 | 1 | $y^{\tan(x)}$                            | T | LL | LL   | PLUS  |
| 8120 | 5664 | 1 | $e^{\frac{\tan(x)}{\ln(y)}}$             | T | LL | LL   | MINUS |
| 8121 | 5665 | 1 | $LOG(\tan(x) \ln(y))$                    | T | LL | L    | PLUS  |
| 8122 | 5666 | 1 | $LOG\left(\frac{\tan(x)}{\ln(y)}\right)$ | T | LL | L    | MINUS |
| 8123 | 5667 | 1 | $\arcsin(\tan(x) \ln(y))$                | T | LL | S    | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8124 | 5668 | 1 | $\arcsin\left(\frac{\tan(x)}{\ln(y)}\right)$   | T | LL | S    | MINUS |
| 8125 | 5669 | 1 | $\arctan(\tan(x) \ln(y))$  | T | LL | T    | PLUS  |
| 8126 | 5670 | 1 | $\arctan\left(\frac{\tan(x)}{\ln(y)}\right)$   | T | LL | T    | MINUS |
| 8127 | 5671 | 1 | $\sqrt{\frac{(\ln(y))^2(\cos(x))^2 - (\ln(y))^2 + (\cos(x))^2}{(\cos(x))^2}}$                            | T | LL | P    | PLUS  |
| 8128 | 5672 | 1 | $\sqrt{\frac{(\ln(y))^2(\cos(x))^2 - 1 + (\cos(x))^2}{(\ln(y))^2(\cos(x))^2}}$                           | T | LL | P    | MINUS |
| 8129 | 5673 | 1 | $\sqrt{-\frac{(\ln(y))^2(\cos(x))^2 - (\ln(y))^2 - (\cos(x))^2}{(\cos(x))^2}}$                           | T | LL | H    | PLUS  |
| 8130 | 5674 | 1 | $\sqrt{\frac{(\ln(y))^2(\cos(x))^2 + 1 - (\cos(x))^2}{(\ln(y))^2(\cos(x))^2}}$                           | T | LL | H    | MINUS |
| 8131 | 5675 | 1 | $1/2 y^{\tan(x)} - 1/2 y^{-\tan(x)}$   | T | LL | SH   | PLUS  |
| 8132 | 5676 | 1 | $1/2 e^{\frac{\tan(x)}{\ln(y)}} - 1/2 e^{-\frac{\tan(x)}{\ln(y)}}$                                       | T | LL | SH   | MINUS |
| 8133 | 5677 | 1 | $1/2 y^{\tan(x)} + 1/2 y^{-\tan(x)}$   | T | LL | CH   | PLUS  |
| 8134 | 5678 | 1 | $1/2 e^{\frac{\tan(x)}{\ln(y)}} + 1/2 e^{-\frac{\tan(x)}{\ln(y)}}$                                       | T | LL | CH   | MINUS |
| 8135 | 5679 | 1 | $\frac{y^{2 \tan(x)} - 1}{y^{2 \tan(x)} + 1}$  | T | LL | TH   | PLUS  |
| 8136 | 5680 | 1 | $1 \left( e^{2 \frac{\tan(x)}{\ln(y)}} - 1 \right) \left( e^{2 \frac{\tan(x)}{\ln(y)}} + 1 \right)^{-1}$ | T | LL | TH   | MINUS |
| 8137 | 5681 | 1 | $\tan(x) EXP(y)$   | T | L  | CD   | PLUS  |
| 8138 | 5682 | 1 | $\frac{\tan(x)}{EXP(y)}$   | T | L  | CD   | MINUS |
| 8139 | 5683 | 1 | $\frac{1}{\tan(x) EXP(y)}$   | T | L  | CDI  | PLUS  |
| 8140 | 5684 | 1 | $\frac{EXP(y)}{\tan(x)}$   | T | L  | CDI  | MINUS |
| 8141 | 5685 | 1 | $\tan(x) EXP(y) \pi$   | T | L  | CDF  | PLUS  |
| 8142 | 5686 | 1 | $\frac{\tan(x) \pi}{EXP(y)}$   | T | L  | CDF  | MINUS |
| 8143 | 5687 | 1 | $\frac{1}{\tan(x) EXP(y) \pi}$   | T | L  | CDIF | PLUS  |



|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 8144 | 5688 | 1 | $\frac{EXP(y)}{\tan(x)\pi}$  | T | L | CDIF | MINUS |
| 8145 | 5689 | 1 | $(\tan(x))^2 (EXP(y))^2$   | T | L | AB   | PLUS  |
| 8146 | 5690 | 1 | $\frac{(\tan(x))^2}{(EXP(y))^2}$   | T | L | AB   | MINUS |
| 8147 | 5691 | 1 | $\sqrt{\tan(x) EXP(y)}$  | T | L | W    | PLUS  |
| 8148 | 5692 | 1 | $\sqrt{\frac{\tan(x)}{EXP(y)}}$  | T | L | W    | MINUS |
| 8149 | 5693 | 1 | $\frac{1}{(\tan(x))^2 (EXP(y))^2}$   | T | L | ABI  | PLUS  |
| 8150 | 5694 | 1 | $\frac{(EXP(y))^2}{(\tan(x))^2}$   | T | L | ABI  | MINUS |
| 8151 | 5695 | 1 | $(\tan(x))^3 (EXP(y))^3$   | T | L | K    | PLUS  |
| 8152 | 5696 | 1 | $\frac{(\tan(x))^3}{(EXP(y))^3}$   | T | L | K    | MINUS |
| 8153 | 5697 | 1 | $\frac{1}{(\tan(x))^3 (EXP(y))^3}$   | T | L | KI   | PLUS  |
| 8154 | 5698 | 1 | $\frac{(EXP(y))^3}{(\tan(x))^3}$   | T | L | KI   | MINUS |
| 8155 | 5699 | 1 | $e^{\tan(x)EXP(y)}$  | T | L | LL   | PLUS  |
| 8156 | 5700 | 1 | $e^{\frac{\tan(x)}{EXP(y)}}$   | T | L | LL   | MINUS |
| 8157 | 5701 | 1 | $LOG(\tan(x) EXP(y))$  | T | L | L    | PLUS  |
| 8158 | 5702 | 1 | $LOG\left(\frac{\tan(x)}{EXP(y)}\right)$                                       | T | L | L    | MINUS |
| 8159 | 5703 | 1 | $\arcsin(\tan(x) EXP(y))$  | T | L | S    | PLUS  |
| 8160 | 5704 | 1 | $\arcsin\left(\frac{\tan(x)}{EXP(y)}\right)$                                   | T | L | S    | MINUS |
| 8161 | 5705 | 1 | $\arctan(\tan(x) EXP(y))$  | T | L | T    | PLUS  |
| 8162 | 5706 | 1 | $\arctan\left(\frac{\tan(x)}{EXP(y)}\right)$                                   | T | L | T    | MINUS |
| 8163 | 5707 | 1 | $\sqrt{\frac{(EXP(y))^2 (\cos(x))^2 - (EXP(y))^2 + (\cos(x))^2}{(\cos(x))^2}}$ | T | L | P    | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 8164 | 5708 | 1 | $\sqrt{\frac{(EXP(y))^2(\cos(x))^2-1+(\cos(x))^2}{(EXP(y))^2(\cos(x))^2}}$                               | T | L | P    | MINUS |
| 8165 | 5709 | 1 | $\sqrt{-\frac{(EXP(y))^2(\cos(x))^2-(EXP(y))^2-(\cos(x))^2}{(\cos(x))^2}}$                               | T | L | H    | PLUS  |
| 8166 | 5710 | 1 | $\sqrt{\frac{(EXP(y))^2(\cos(x))^2+1-(\cos(x))^2}{(EXP(y))^2(\cos(x))^2}}$                               | T | L | H    | MINUS |
| 8167 | 5711 | 1 | $1/2 e^{\tan(x)EXP(y)} - 1/2 e^{-\tan(x)EXP(y)}$   | T | L | SH   | PLUS  |
| 8168 | 5712 | 1 | $1/2 e^{\frac{\tan(x)}{EXP(y)}} - 1/2 e^{-\frac{\tan(x)}{EXP(y)}}$                                       | T | L | SH   | MINUS |
| 8169 | 5713 | 1 | $1/2 e^{\tan(x)EXP(y)} + 1/2 e^{-\tan(x)EXP(y)}$   | T | L | CH   | PLUS  |
| 8170 | 5714 | 1 | $1/2 e^{\frac{\tan(x)}{EXP(y)}} + 1/2 e^{-\frac{\tan(x)}{EXP(y)}}$                                       | T | L | CH   | MINUS |
| 8171 | 5715 | 1 | $\frac{e^{2 \tan(x)EXP(y)}-1}{e^{2 \tan(x)EXP(y)}+1}$  | T | L | TH   | PLUS  |
| 8172 | 5716 | 1 | $1 \left( e^{2 \frac{\tan(x)}{EXP(y)}} - 1 \right) \left( e^{2 \frac{\tan(x)}{EXP(y)}} + 1 \right)^{-1}$ | T | L | TH   | MINUS |
| 8173 | 5717 | 1 | $\frac{\sin(x) \sin(y)}{\cos(x)}$  | T | S | CD   | PLUS  |
| 8174 | 5718 | 1 | $\frac{\sin(x)}{\cos(x) \sin(y)}$  | T | S | CD   | MINUS |
| 8175 | 5719 | 1 | $\frac{\cos(x)}{\sin(x) \sin(y)}$  | T | S | CDI  | PLUS  |
| 8176 | 5720 | 1 | $\frac{\cos(x) \sin(y)}{\sin(x)}$  | T | S | CDI  | MINUS |
| 8177 | 5721 | 1 | $\frac{\sin(x) \sin(y) \pi}{\cos(x)}$  | T | S | CDF  | PLUS  |
| 8178 | 5722 | 1 | $\frac{\sin(x) \pi}{\cos(x) \sin(y)}$  | T | S | CDF  | MINUS |
| 8179 | 5723 | 1 | $\frac{\cos(x)}{\sin(x) \sin(y) \pi}$  | T | S | CDIF | PLUS  |
| 8180 | 5724 | 1 | $\frac{\cos(x) \sin(y)}{\sin(x) \pi}$  | T | S | CDIF | MINUS |
| 8181 | 5725 | 1 | $\frac{(\sin(x))^2 (\sin(y))^2}{(\cos(x))^2}$  | T | S | AB   | PLUS  |
| 8182 | 5726 | 1 | $\frac{(\sin(x))^2}{(\cos(x))^2 (\sin(y))^2}$  | T | S | AB   | MINUS |

|      |      |   |   |   |   |     |       |
|------|------|---|---|---|---|-----|-------|
| 8183 | 5727 | 1 | $\sqrt{\frac{\sin(x)\sin(y)}{\cos(x)}}$   | T | S | W   | PLUS  |
| 8184 | 5728 | 1 | $\sqrt{\frac{\sin(x)}{\cos(x)\sin(y)}}$   | T | S | W   | MINUS |
| 8185 | 5729 | 1 | $\frac{(\cos(x))^2}{(\sin(x))^2(\sin(y))^2}$                                    | T | S | ABI | PLUS  |
| 8186 | 5730 | 1 | $\frac{(\cos(x))^2(\sin(y))^2}{(\sin(x))^2}$                                    | T | S | ABI | MINUS |
| 8187 | 5731 | 1 | $\frac{(\sin(x))^3(\sin(y))^3}{(\cos(x))^3}$                                    | T | S | K   | PLUS  |
| 8188 | 5732 | 1 | $\frac{(\sin(x))^3}{(\cos(x))^3(\sin(y))^3}$                                    | T | S | K   | MINUS |
| 8189 | 5733 | 1 | $\frac{(\cos(x))^3}{(\sin(x))^3(\sin(y))^3}$                                    | T | S | KI  | PLUS  |
| 8190 | 5734 | 1 | $\frac{(\cos(x))^3(\sin(y))^3}{(\sin(x))^3}$                                    | T | S | KI  | MINUS |
| 8191 | 5735 | 1 | $e^{\frac{\sin(x)\sin(y)}{\cos(x)}}$  | T | S | LL  | PLUS  |
| 8192 | 5736 | 1 | $e^{\frac{\sin(x)}{\cos(x)\sin(y)}}$  | T | S | LL  | MINUS |
| 8193 | 5737 | 1 | $LOG\left(\frac{\sin(x)\sin(y)}{\cos(x)}\right)$                                | T | S | L   | PLUS  |
| 8194 | 5738 | 1 | $LOG\left(\frac{\sin(x)}{\cos(x)\sin(y)}\right)$                                | T | S | L   | MINUS |
| 8195 | 5739 | 1 | $\arcsin\left(\frac{\sin(x)\sin(y)}{\cos(x)}\right)$                            | T | S | S   | PLUS  |
| 8196 | 5740 | 1 | $\arcsin\left(\frac{\sin(x)}{\cos(x)\sin(y)}\right)$                            | T | S | S   | MINUS |
| 8197 | 5741 | 1 | $\arctan\left(\frac{\sin(x)\sin(y)}{\cos(x)}\right)$                            | T | S | T   | PLUS  |
| 8198 | 5742 | 1 | $\arctan\left(\frac{\sin(x)}{\cos(x)\sin(y)}\right)$                            | T | S | T   | MINUS |
| 8199 | 5743 | 1 | $\sqrt{-\frac{(\cos(y))^2(\cos(x))^2-(\cos(y))^2-2(\cos(x))^2+1}{(\cos(x))^2}}$ | T | S | P   | PLUS  |
| 8200 | 5744 | 1 | $\sqrt{-\frac{(\cos(y))^2(\cos(x))^2-2(\cos(x))^2+1}{(\cos(x))^2(\sin(y))^2}}$  | T | S | P   | MINUS |
| 8201 | 5745 | 1 | $\sqrt{\frac{(\cos(y))^2(\cos(x))^2-(\cos(y))^2+1}{(\cos(x))^2}}$               | T | S | H   | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 8202 | 5746 | 1 | $\sqrt{-\frac{(\cos(y))^2(\cos(x))^2-1}{(\cos(x))^2(\sin(y))^2}}$  | T | S | H    | MINUS |
| 8203 | 5747 | 1 | $1/2 e^{\frac{\sin(x)\sin(y)}{\cos(x)}} - 1/2 e^{-\frac{\sin(x)\sin(y)}{\cos(x)}}$                                     | T | S | SH   | PLUS  |
| 8204 | 5748 | 1 | $1/2 e^{\frac{\sin(x)}{\cos(x)\sin(y)}} - 1/2 e^{-\frac{\sin(x)}{\cos(x)\sin(y)}}$                                     | T | S | SH   | MINUS |
| 8205 | 5749 | 1 | $1/2 e^{\frac{\sin(x)\sin(y)}{\cos(x)}} + 1/2 e^{-\frac{\sin(x)\sin(y)}{\cos(x)}}$                                     | T | S | CH   | PLUS  |
| 8206 | 5750 | 1 | $1/2 e^{\frac{\sin(x)}{\cos(x)\sin(y)}} + 1/2 e^{-\frac{\sin(x)}{\cos(x)\sin(y)}}$                                     | T | S | CH   | MINUS |
| 8207 | 5751 | 1 | $1 \left( e^{2\frac{\sin(x)\sin(y)}{\cos(x)}} - 1 \right) \left( e^{2\frac{\sin(x)\sin(y)}{\cos(x)}} + 1 \right)^{-1}$ | T | S | TH   | PLUS  |
| 8208 | 5752 | 1 | $1 \left( e^{2\frac{\sin(x)}{\cos(x)\sin(y)}} - 1 \right) \left( e^{2\frac{\sin(x)}{\cos(x)\sin(y)}} + 1 \right)^{-1}$ | T | S | TH   | MINUS |
| 8209 | 5753 | 1 | $\tan(x)\tan(y)$   | T | T | CD   | PLUS  |
| 8210 | 5754 | 1 | $\frac{\tan(x)}{\tan(y)}$  | T | T | CD   | MINUS |
| 8211 | 5755 | 1 | $\frac{1}{\tan(x)\tan(y)}$   | T | T | CDI  | PLUS  |
| 8212 | 5756 | 1 | $\frac{\tan(y)}{\tan(x)}$  | T | T | CDI  | MINUS |
| 8213 | 5757 | 1 | $\tan(x)\tan(y)\pi$  | T | T | CDF  | PLUS  |
| 8214 | 5758 | 1 | $\frac{\tan(x)\pi}{\tan(y)}$   | T | T | CDF  | MINUS |
| 8215 | 5759 | 1 | $\frac{1}{\tan(x)\tan(y)\pi}$  | T | T | CDIF | PLUS  |
| 8216 | 5760 | 1 | $\frac{\tan(y)}{\tan(x)\pi}$   | T | T | CDIF | MINUS |
| 8217 | 5761 | 1 | $(\tan(x))^2(\tan(y))^2$   | T | T | AB   | PLUS  |
| 8218 | 5762 | 1 | $\frac{(\tan(x))^2}{(\tan(y))^2}$  | T | T | AB   | MINUS |
| 8219 | 5763 | 1 | $\sqrt{\tan(x)\tan(y)}$  | T | T | W    | PLUS  |
| 8220 | 5764 | 1 | $\sqrt{\frac{\tan(x)}{\tan(y)}}$   | T | T | W    | MINUS |
| 8221 | 5765 | 1 | $\frac{1}{(\tan(x))^2(\tan(y))^2}$   | T | T | ABI  | PLUS  |

|      |      |   |   |   |   |     |       |
|------|------|---|---|---|---|-----|-------|
| 8222 | 5766 | 1 | $\frac{(\tan(y))^2}{(\tan(x))^2}$   | T | T | ABI | MINUS |
| 8223 | 5767 | 1 | $(\tan(x))^3 (\tan(y))^3$   | T | T | K   | PLUS  |
| 8224 | 5768 | 1 | $\frac{(\tan(x))^3}{(\tan(y))^3}$   | T | T | K   | MINUS |
| 8225 | 5769 | 1 | $\frac{1}{(\tan(x))^3 (\tan(y))^3}$   | T | T | KI  | PLUS  |
| 8226 | 5770 | 1 | $\frac{(\tan(y))^3}{(\tan(x))^3}$   | T | T | KI  | MINUS |
| 8227 | 5771 | 1 | $e^{\tan(x) \tan(y)}$   | T | T | LL  | PLUS  |
| 8228 | 5772 | 1 | $e^{\frac{\tan(x)}{\tan(y)}}$   | T | T | LL  | MINUS |
| 8229 | 5773 | 1 | $LOG(\tan(x) \tan(y))$  | T | T | L   | PLUS  |
| 8230 | 5774 | 1 | $LOG\left(\frac{\tan(x)}{\tan(y)}\right)$   | T | T | L   | MINUS |
| 8231 | 5775 | 1 | $\arcsin(\tan(x) \tan(y))$  | T | T | S   | PLUS  |
| 8232 | 5776 | 1 | $\arcsin\left(\frac{\tan(x)}{\tan(y)}\right)$   | T | T | S   | MINUS |
| 8233 | 5777 | 1 | $\arctan(\tan(x) \tan(y))$  | T | T | T   | PLUS  |
| 8234 | 5778 | 1 | $\arctan\left(\frac{\tan(x)}{\tan(y)}\right)$   | T | T | T   | MINUS |
| 8235 | 5779 | 1 | $\sqrt{\frac{(\cos(y))^2 + (\cos(x))^2 - 1}{(\cos(y))^2 (\cos(x))^2}}$                            | T | T | P   | PLUS  |
| 8236 | 5780 | 1 | $\sqrt{\frac{(\tan(y))^2 - (\tan(x))^2}{(\tan(y))^2}}$  | T | T | P   | MINUS |
| 8237 | 5781 | 1 | $\sqrt{\frac{2(\cos(y))^2 (\cos(x))^2 - (\cos(y))^2 - (\cos(x))^2 + 1}{(\cos(y))^2 (\cos(x))^2}}$ | T | T | H   | PLUS  |
| 8238 | 5782 | 1 | $\sqrt{\frac{(\tan(y))^2 + (\tan(x))^2}{(\tan(y))^2}}$  | T | T | H   | MINUS |
| 8239 | 5783 | 1 | $1/2 e^{\tan(x) \tan(y)} - 1/2 e^{-\tan(x) \tan(y)}$  | T | T | SH  | PLUS  |
| 8240 | 5784 | 1 | $1/2 e^{\frac{\tan(x)}{\tan(y)}} - 1/2 e^{-\frac{\tan(x)}{\tan(y)}}$                              | T | T | SH  | MINUS |
| 8241 | 5785 | 1 | $1/2 e^{\tan(x) \tan(y)} + 1/2 e^{-\tan(x) \tan(y)}$  | T | T | CH  | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 8242 | 5786 | 1 | $1/2 e^{\frac{\tan(x)}{\tan(y)}} + 1/2 e^{-\frac{\tan(x)}{\tan(y)}}$                                       | T | T | CH   | MINUS |
| 8243 | 5787 | 1 | $\frac{e^{2 \frac{\tan(x)}{\tan(y)}} - 1}{e^{2 \frac{\tan(x)}{\tan(y)}} + 1}$                              | T | T | TH   | PLUS  |
| 8244 | 5788 | 1 | $1 \left( e^{2 \frac{\tan(x)}{\tan(y)}} - 1 \right) \left( e^{2 \frac{\tan(x)}{\tan(y)}} + 1 \right)^{-1}$ | T | T | TH   | MINUS |
| 8245 | 5789 | 1 | $\tan(x) \sqrt{-y^2 + 1}$  | T | P | CD   | PLUS  |
| 8246 | 5790 | 1 | $\frac{\tan(x)}{\sqrt{-y^2 + 1}}$  | T | P | CD   | MINUS |
| 8247 | 5791 | 1 | $\frac{1}{\tan(x) \sqrt{-y^2 + 1}}$  | T | P | CDI  | PLUS  |
| 8248 | 5792 | 1 | $\frac{\sqrt{-y^2 + 1}}{\tan(x)}$  | T | P | CDI  | MINUS |
| 8249 | 5793 | 1 | $\tan(x) \sqrt{-y^2 + 1} \pi$  | T | P | CDF  | PLUS  |
| 8250 | 5794 | 1 | $\frac{\tan(x) \pi}{\sqrt{-y^2 + 1}}$  | T | P | CDF  | MINUS |
| 8251 | 5795 | 1 | $\frac{1}{\tan(x) \sqrt{-y^2 + 1} \pi}$  | T | P | CDIF | PLUS  |
| 8252 | 5796 | 1 | $\frac{\sqrt{-y^2 + 1}}{\tan(x) \pi}$  | T | P | CDIF | MINUS |
| 8253 | 5797 | 1 | $(\tan(x))^2 (-y^2 + 1)$   | T | P | AB   | PLUS  |
| 8254 | 5798 | 1 | $-\frac{(\tan(x))^2}{y^2 - 1}$   | T | P | AB   | MINUS |
| 8255 | 5799 | 1 | $\sqrt{\tan(x) \sqrt{-y^2 + 1}}$   | T | P | W    | PLUS  |
| 8256 | 5800 | 1 | $\sqrt{\frac{\tan(x)}{\sqrt{-y^2 + 1}}}$   | T | P | W    | MINUS |
| 8257 | 5801 | 1 | $-\frac{1}{(\tan(x))^2 (y^2 - 1)}$   | T | P | ABI  | PLUS  |
| 8258 | 5802 | 1 | $\frac{-y^2 + 1}{(\tan(x))^2}$   | T | P | ABI  | MINUS |
| 8259 | 5803 | 1 | $(\tan(x))^3 (-y^2 + 1)^{3/2}$   | T | P | K    | PLUS  |
| 8260 | 5804 | 1 | $\frac{(\tan(x))^3}{(-y^2 + 1)^{3/2}}$   | T | P | K    | MINUS |

|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 8261 | 5805 | 1 | $\frac{1}{(\tan(x))^3(-y^2+1)^{3/2}}$  | T | P | KI | PLUS  |
| 8262 | 5806 | 1 | $\frac{(-y^2+1)^{3/2}}{(\tan(x))^3}$   | T | P | KI | MINUS |
| 8263 | 5807 | 1 | $e^{\tan(x)\sqrt{-y^2+1}}$   | T | P | LL | PLUS  |
| 8264 | 5808 | 1 | $e^{\frac{\tan(x)}{\sqrt{-y^2+1}}}$  | T | P | LL | MINUS |
| 8265 | 5809 | 1 | $LOG\left(\tan(x)\sqrt{-y^2+1}\right)$   | T | P | L  | PLUS  |
| 8266 | 5810 | 1 | $LOG\left(\frac{\tan(x)}{\sqrt{-y^2+1}}\right)$                                  | T | P | L  | MINUS |
| 8267 | 5811 | 1 | $\arcsin\left(\tan(x)\sqrt{-y^2+1}\right)$                                       | T | P | S  | PLUS  |
| 8268 | 5812 | 1 | $\arcsin\left(\frac{\tan(x)}{\sqrt{-y^2+1}}\right)$                              | T | P | S  | MINUS |
| 8269 | 5813 | 1 | $\arctan\left(\tan(x)\sqrt{-y^2+1}\right)$                                       | T | P | T  | PLUS  |
| 8270 | 5814 | 1 | $\arctan\left(\frac{\tan(x)}{\sqrt{-y^2+1}}\right)$                              | T | P | T  | MINUS |
| 8271 | 5815 | 1 | $\sqrt{-\frac{(\cos(x))^2 y^2 - 2(\cos(x))^2 - y^2 + 1}{(\cos(x))^2}}$           | T | P | P  | PLUS  |
| 8272 | 5815 | 2 |  | T | H | H  | PLUS  |
| 8273 | 5816 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 - 2(\cos(x))^2 + 1}{(y^2 - 1)(\cos(x))^2}}$         | T | P | P  | MINUS |
| 8274 | 5816 | 2 |  | T | H | H  | MINUS |
| 8275 | 5817 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 - y^2 + 1}{(\cos(x))^2}}$                           | T | P | H  | PLUS  |
| 8276 | 5817 | 2 |  | T | H | P  | PLUS  |
| 8277 | 5818 | 1 | $\sqrt{\frac{(\cos(x))^2 y^2 - 1}{(y^2 - 1)(\cos(x))^2}}$                        | T | P | H  | MINUS |
| 8278 | 5818 | 2 |  | T | H | P  | MINUS |
| 8279 | 5819 | 1 | $1/2 e^{\tan(x)\sqrt{-y^2+1}} - 1/2 e^{-\tan(x)\sqrt{-y^2+1}}$                   | T | P | SH | PLUS  |
| 8280 | 5820 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{\tan(x)}{\sqrt{-y^2+1}}}$ | T | P | SH | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 8281 | 5821 | 1 | $1/2 e^{\tan(x)\sqrt{-y^2+1}} + 1/2 e^{-\tan(x)\sqrt{-y^2+1}}$   | T | P | CH   | PLUS  |
| 8282 | 5822 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{\tan(x)}{\sqrt{-y^2+1}}}$                                       | T | P | CH   | MINUS |
| 8283 | 5823 | 1 | $\frac{e^{2 \tan(x)\sqrt{-y^2+1}} - 1}{e^{2 \tan(x)\sqrt{-y^2+1}} + 1}$  | T | P | TH   | PLUS  |
| 8284 | 5824 | 1 | $1 \left( e^{2 \frac{\tan(x)}{\sqrt{-y^2+1}}} - 1 \right) \left( e^{2 \frac{\tan(x)}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | T | P | TH   | MINUS |
| 8285 | 5825 | 1 | $\tan(x) \sqrt{y^2 - 1}$   | T | H | CD   | PLUS  |
| 8286 | 5826 | 1 | $\frac{\tan(x)}{\sqrt{y^2 - 1}}$   | T | H | CD   | MINUS |
| 8287 | 5827 | 1 | $\frac{1}{\tan(x)\sqrt{y^2 - 1}}$  | T | H | CDI  | PLUS  |
| 8288 | 5828 | 1 | $\frac{\sqrt{y^2 - 1}}{\tan(x)}$   | T | H | CDI  | MINUS |
| 8289 | 5829 | 1 | $\tan(x) \sqrt{y^2 - 1} \pi$   | T | H | CDF  | PLUS  |
| 8290 | 5830 | 1 | $\frac{\tan(x)\pi}{\sqrt{y^2 - 1}}$  | T | H | CDF  | MINUS |
| 8291 | 5831 | 1 | $\frac{1}{\tan(x)\sqrt{y^2 - 1}\pi}$   | T | H | CDIF | PLUS  |
| 8292 | 5832 | 1 | $\frac{\sqrt{y^2 - 1}}{\tan(x)\pi}$  | T | H | CDIF | MINUS |
| 8293 | 5833 | 1 | $(\tan(x))^2 (y^2 - 1)$  | T | H | AB   | PLUS  |
| 8294 | 5834 | 1 | $\frac{(\tan(x))^2}{y^2 - 1}$  | T | H | AB   | MINUS |
| 8295 | 5835 | 1 | $\sqrt{\tan(x) \sqrt{y^2 - 1}}$  | T | H | W    | PLUS  |
| 8296 | 5836 | 1 | $\sqrt{\frac{\tan(x)}{\sqrt{y^2 - 1}}}$  | T | H | W    | MINUS |
| 8297 | 5837 | 1 | $\frac{1}{(\tan(x))^2 (y^2 - 1)}$  | T | H | ABI  | PLUS  |
| 8298 | 5838 | 1 | $\frac{y^2 - 1}{(\tan(x))^2}$  | T | H | ABI  | MINUS |



|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 8299 | 5839 | 1 | $(\tan(x))^3 (y^2 - 1)^{3/2}$  | T | H | K  | PLUS  |
| 8300 | 5840 | 1 | $\frac{(\tan(x))^3}{(y^2 - 1)^{3/2}}$  | T | H | K  | MINUS |
| 8301 | 5841 | 1 | $\frac{1}{(\tan(x))^3 (y^2 - 1)^{3/2}}$  | T | H | KI | PLUS  |
| 8302 | 5842 | 1 | $\frac{(y^2 - 1)^{3/2}}{(\tan(x))^3}$  | T | H | KI | MINUS |
| 8303 | 5843 | 1 | $e^{\tan(x)\sqrt{y^2 - 1}}$  | T | H | LL | PLUS  |
| 8304 | 5844 | 1 | $e^{\frac{\tan(x)}{\sqrt{y^2 - 1}}}$   | T | H | LL | MINUS |
| 8305 | 5845 | 1 | $LOG\left(\tan(x)\sqrt{y^2 - 1}\right)$  | T | H | L  | PLUS  |
| 8306 | 5846 | 1 | $LOG\left(\frac{\tan(x)}{\sqrt{y^2 - 1}}\right)$   | T | H | L  | MINUS |
| 8307 | 5847 | 1 | $\arcsin\left(\tan(x)\sqrt{y^2 - 1}\right)$  | T | H | S  | PLUS  |
| 8308 | 5848 | 1 | $\arcsin\left(\frac{\tan(x)}{\sqrt{y^2 - 1}}\right)$   | T | H | S  | MINUS |
| 8309 | 5849 | 1 | $\arctan\left(\tan(x)\sqrt{y^2 - 1}\right)$  | T | H | T  | PLUS  |
| 8310 | 5850 | 1 | $\arctan\left(\frac{\tan(x)}{\sqrt{y^2 - 1}}\right)$   | T | H | T  | MINUS |
| 8311 | 5851 | 1 | $1/2 e^{\tan(x)\sqrt{y^2 - 1}} - 1/2 e^{-\tan(x)\sqrt{y^2 - 1}}$   | T | H | SH | PLUS  |
| 8312 | 5852 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt{y^2 - 1}}} - 1/2 e^{-\frac{\tan(x)}{\sqrt{y^2 - 1}}}$                                       | T | H | SH | MINUS |
| 8313 | 5853 | 1 | $1/2 e^{\tan(x)\sqrt{y^2 - 1}} + 1/2 e^{-\tan(x)\sqrt{y^2 - 1}}$   | T | H | CH | PLUS  |
| 8314 | 5854 | 1 | $1/2 e^{\frac{\tan(x)}{\sqrt{y^2 - 1}}} + 1/2 e^{-\frac{\tan(x)}{\sqrt{y^2 - 1}}}$                                       | T | H | CH | MINUS |
| 8315 | 5855 | 1 | $\frac{e^{2 \tan(x)\sqrt{y^2 - 1}} - 1}{e^{2 \tan(x)\sqrt{y^2 - 1}} + 1}$  | T | H | TH | PLUS  |
| 8316 | 5856 | 1 | $1 \left( e^{2 \frac{\tan(x)}{\sqrt{y^2 - 1}}} - 1 \right) \left( e^{2 \frac{\tan(x)}{\sqrt{y^2 - 1}}} + 1 \right)^{-1}$ | T | H | TH | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8317 | 5857 | 1 | $\tan(x) \ln(y + \sqrt{y^2 + 1})$                                | T | SH | CD   | PLUS  |
| 8318 | 5858 | 1 | $\frac{\tan(x)}{\ln(y + \sqrt{y^2 + 1})}$                        | T | SH | CD   | MINUS |
| 8319 | 5859 | 1 | $\frac{1}{\tan(x) \ln(y + \sqrt{y^2 + 1})}$                      | T | SH | CDI  | PLUS  |
| 8320 | 5860 | 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{\tan(x)}$                        | T | SH | CDI  | MINUS |
| 8321 | 5861 | 1 | $\tan(x) \ln(y + \sqrt{y^2 + 1}) \pi$                            | T | SH | CDF  | PLUS  |
| 8322 | 5862 | 1 | $\frac{\tan(x) \pi}{\ln(y + \sqrt{y^2 + 1})}$                    | T | SH | CDF  | MINUS |
| 8323 | 5863 | 1 | $\frac{1}{\tan(x) \ln(y + \sqrt{y^2 + 1}) \pi}$                  | T | SH | CDIF | PLUS  |
| 8324 | 5864 | 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{\tan(x) \pi}$                    | T | SH | CDIF | MINUS |
| 8325 | 5865 | 1 | $(\tan(x))^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2$           | T | SH | AB   | PLUS  |
| 8326 | 5866 | 1 | $\frac{(\tan(x))^2}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}$   | T | SH | AB   | MINUS |
| 8327 | 5867 | 1 | $\sqrt{\tan(x) \ln(y + \sqrt{y^2 + 1})}$                         | T | SH | W    | PLUS  |
| 8328 | 5868 | 1 | $\sqrt{\frac{\tan(x)}{\ln(y + \sqrt{y^2 + 1})}}$                 | T | SH | W    | MINUS |
| 8329 | 5869 | 1 | $\frac{1}{(\tan(x))^2 \left( \ln(y + \sqrt{y^2 + 1}) \right)^2}$ | T | SH | ABI  | PLUS  |
| 8330 | 5870 | 1 | $\frac{\left( \ln(y + \sqrt{y^2 + 1}) \right)^2}{(\tan(x))^2}$   | T | SH | ABI  | MINUS |
| 8331 | 5871 | 1 | $(\tan(x))^3 \left( \ln(y + \sqrt{y^2 + 1}) \right)^3$           | T | SH | K    | PLUS  |
| 8332 | 5872 | 1 | $\frac{(\tan(x))^3}{\left( \ln(y + \sqrt{y^2 + 1}) \right)^3}$   | T | SH | K    | MINUS |
| 8333 | 5873 | 1 | $\frac{1}{(\tan(x))^3 \left( \ln(y + \sqrt{y^2 + 1}) \right)^3}$ | T | SH | KI   | PLUS  |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 8334 | 5874 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}{\left(\tan(x)\right)^3}$   | T | SH | KI | MINUS |
| 8335 | 5875 | 1 | $\left(y+\sqrt{y^2+1}\right)^{\tan(x)}$  | T | SH | LL | PLUS  |
| 8336 | 5876 | 1 | $e^{\frac{\tan(x)}{\ln\left(y+\sqrt{y^2+1}\right)}}$   | T | SH | LL | MINUS |
| 8337 | 5877 | 1 | $LOG\left(\tan(x)\ln\left(y+\sqrt{y^2+1}\right)\right)$  | T | SH | L  | PLUS  |
| 8338 | 5878 | 1 | $LOG\left(\frac{\tan(x)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | T | SH | L  | MINUS |
| 8339 | 5879 | 1 | $\arcsin\left(\tan(x)\ln\left(y+\sqrt{y^2+1}\right)\right)$  | T | SH | S  | PLUS  |
| 8340 | 5880 | 1 | $\arcsin\left(\frac{\tan(x)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | T | SH | S  | MINUS |
| 8341 | 5881 | 1 | $\arctan\left(\tan(x)\ln\left(y+\sqrt{y^2+1}\right)\right)$  | T | SH | T  | PLUS  |
| 8342 | 5882 | 1 | $\arctan\left(\frac{\tan(x)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$   | T | SH | T  | MINUS |
| 8343 | 5883 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\left(\cos(x)\right)^2-\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+(\cos(x))^2}{(\cos(x))^2}}$             |   | SH | P  | PLUS  |
| 8344 | 5884 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\left(\cos(x)\right)^2-1+(\cos(x))^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\left(\cos(x)\right)^2}}$ | T | SH | P  | MINUS |
| 8345 | 5885 | 1 | $\sqrt{-\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\left(\cos(x)\right)^2-\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-(\cos(x))^2}{(\cos(x))^2}}$            |   | SH | H  | PLUS  |
| 8346 | 5886 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\left(\cos(x)\right)^2+1-(\cos(x))^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2\left(\cos(x)\right)^2}}$ | T | SH | H  | MINUS |
| 8347 | 5887 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\tan(x)}-1/2\left(y+\sqrt{y^2+1}\right)^{-\tan(x)}$   |   | SH | SH | PLUS  |
| 8348 | 5888 | 1 | $1/2e^{\frac{\tan(x)}{\ln\left(y+\sqrt{y^2+1}\right)}}-1/2e^{-\frac{\tan(x)}{\ln\left(y+\sqrt{y^2+1}\right)}}$   | T | SH | SH | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8349 | 5889 | 1 | $1/2 \left( y + \sqrt{y^2 + 1} \right)^{\tan(x)} + 1/2 \left( y + \sqrt{y^2 + 1} \right)^{-\tan(x)}$                                       | T | SH | CH   | PLUS  |
| 8350 | 5890 | 1 | $1/2 e^{\frac{\tan(x)}{\ln(y + \sqrt{y^2 + 1})}} + 1/2 e^{-\frac{\tan(x)}{\ln(y + \sqrt{y^2 + 1})}}$                                       | T | SH | CH   | MINUS |
| 8351 | 5891 | 1 | $\frac{\left( y + \sqrt{y^2 + 1} \right)^{2 \tan(x)} - 1}{\left( y + \sqrt{y^2 + 1} \right)^{2 \tan(x)} + 1}$                              | T | SH | TH   | PLUS  |
| 8352 | 5892 | 1 | $1 \left( e^{\frac{2 \tan(x)}{\ln(y + \sqrt{y^2 + 1})}} - 1 \right) \left( e^{\frac{2 \tan(x)}{\ln(y + \sqrt{y^2 + 1})}} + 1 \right)^{-1}$ | T | SH | TH   | MINUS |
| 8353 | 5893 | 1 | $\tan(x) \ln \left( y + \sqrt{y^2 - 1} \right)$  | T | CH | CD   | PLUS  |
| 8354 | 5894 | 1 | $\frac{\tan(x)}{\ln(y + \sqrt{y^2 - 1})}$  | T | CH | CD   | MINUS |
| 8355 | 5895 | 1 | $\frac{1}{\tan(x) \ln(y + \sqrt{y^2 - 1})}$  | T | CH | CDI  | PLUS  |
| 8356 | 5896 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{\tan(x)}$  | T | CH | CDI  | MINUS |
| 8357 | 5897 | 1 | $\tan(x) \ln \left( y + \sqrt{y^2 - 1} \right) \pi$  | T | CH | CDF  | PLUS  |
| 8358 | 5898 | 1 | $\frac{\tan(x) \pi}{\ln(y + \sqrt{y^2 - 1})}$  | T | CH | CDF  | MINUS |
| 8359 | 5899 | 1 | $\frac{1}{\tan(x) \ln(y + \sqrt{y^2 - 1}) \pi}$  | T | CH | CDIF | PLUS  |
| 8360 | 5900 | 1 | $\frac{\ln(y + \sqrt{y^2 - 1})}{\tan(x) \pi}$  | T | CH | CDIF | MINUS |
| 8361 | 5901 | 1 | $\left( \tan(x) \right)^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2$  | T | CH | AB   | PLUS  |
| 8362 | 5902 | 1 | $\frac{(\tan(x))^2}{\left( \ln(y + \sqrt{y^2 - 1}) \right)^2}$   | T | CH | AB   | MINUS |
| 8363 | 5903 | 1 | $\sqrt{\tan(x) \ln \left( y + \sqrt{y^2 - 1} \right)}$   | T | CH | W    | PLUS  |
| 8364 | 5904 | 1 | $\sqrt{\frac{\tan(x)}{\ln(y + \sqrt{y^2 - 1})}}$   | T | CH | W    | MINUS |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 8365 | 5905 | 1 | $\frac{1}{(\tan(x))^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}$   | T | CH | ABI | PLUS  |
| 8366 | 5906 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}{(\tan(x))^2}$   | T | CH | ABI | MINUS |
| 8367 | 5907 | 1 | $\left( \tan(x) \right)^3 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3$  | T | CH | K   | PLUS  |
| 8368 | 5908 | 1 | $\frac{(\tan(x))^3}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$   | T | CH | K   | MINUS |
| 8369 | 5909 | 1 | $\frac{1}{(\tan(x))^3 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}$   | T | CH | KI  | PLUS  |
| 8370 | 5910 | 1 | $\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^3}{(\tan(x))^3}$   | T | CH | KI  | MINUS |
| 8371 | 5911 | 1 | $\left( y + \sqrt{y^2 - 1} \right)^{\tan(x)}$  | T | CH | LL  | PLUS  |
| 8372 | 5912 | 1 | $e^{\frac{\tan(x)}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$  | T | CH | LL  | MINUS |
| 8373 | 5913 | 1 | $LOG \left( \tan(x) \ln \left( y + \sqrt{y^2 - 1} \right) \right)$   | T | CH | L   | PLUS  |
| 8374 | 5914 | 1 | $LOG \left( \frac{\tan(x)}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$   | T | CH | L   | MINUS |
| 8375 | 5915 | 1 | $\arcsin \left( \tan(x) \ln \left( y + \sqrt{y^2 - 1} \right) \right)$   | T | CH | S   | PLUS  |
| 8376 | 5916 | 1 | $\arcsin \left( \frac{\tan(x)}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$   | T | CH | S   | MINUS |
| 8377 | 5917 | 1 | $\arctan \left( \tan(x) \ln \left( y + \sqrt{y^2 - 1} \right) \right)$   | T | CH | T   | PLUS  |
| 8378 | 5918 | 1 | $\arctan \left( \frac{\tan(x)}{\ln \left( y + \sqrt{y^2 - 1} \right)} \right)$   | T | CH | T   | MINUS |
| 8379 | 5919 | 1 | $\sqrt{\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 (\cos(x))^2 - \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 + (\cos(x))^2}{(\cos(x))^2}}$   | T | CH | P   | PLUS  |
| 8380 | 5920 | 1 | $\sqrt{\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 (\cos(x))^2 - 1 + (\cos(x))^2}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 (\cos(x))^2}}$ | T | CH | P   | MINUS |

|      |      |   |  |    |    |            |
|------|------|---|--|----|----|------------|
| 8381 | 5921 | 1 | $\sqrt{-\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2(\cos(x))^2-\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2-(\cos(x))^2}{(\cos(x))^2}}$ | CH | H  | PLUS       |
| 8382 | 5922 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2(\cos(x))^2+1-(\cos(x))^2}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2(\cos(x))^2}}$ | T  | CH | H MINUS    |
| 8383 | 5923 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{\tan(x)}-1/2\left(y+\sqrt{y^2-1}\right)^{-\tan(x)}$   | CH | SH | PLUS       |
| 8384 | 5924 | 1 | $1/2e^{\frac{\tan(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}-1/2e^{-\frac{\tan(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}$                                   | T  | CH | SH MINUS   |
| 8385 | 5925 | 1 | $1/2\left(y+\sqrt{y^2-1}\right)^{\tan(x)}+1/2\left(y+\sqrt{y^2-1}\right)^{-\tan(x)}$   | CH | CH | PLUS       |
| 8386 | 5926 | 1 | $1/2e^{\frac{\tan(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}+1/2e^{-\frac{\tan(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}$                                   | T  | CH | CH MINUS   |
| 8387 | 5927 | 1 | $\frac{\left(y+\sqrt{y^2-1}\right)^{2\tan(x)}-1}{\left(y+\sqrt{y^2-1}\right)^{2\tan(x)}+1}$  | T  | CH | TH PLUS    |
| 8388 | 5928 | 1 | $1\left(e^{\frac{2\tan(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}-1\right)\left(e^{\frac{2\tan(x)}{\ln\left(y+\sqrt{y^2-1}\right)}}+1\right)^{-1}$     | T  | CH | TH MINUS   |
| 8389 | 5929 | 1 | $1/2\tan(x)\ln\left(\frac{-y-1}{y-1}\right)$   | T  | TH | CD PLUS    |
| 8390 | 5930 | 1 | $2\tan(x)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | T  | TH | CD MINUS   |
| 8391 | 5931 | 1 | $2\frac{1}{\tan(x)}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | T  | TH | CDI PLUS   |
| 8392 | 5932 | 1 | $1/2\frac{1}{\tan(x)}\ln\left(\frac{-y-1}{y-1}\right)$   | T  | TH | CDI MINUS  |
| 8393 | 5933 | 1 | $1/2\tan(x)\ln\left(\frac{-y-1}{y-1}\right)\pi$  | T  | TH | CDF PLUS   |
| 8394 | 5934 | 1 | $2\tan(x)\pi\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | T  | TH | CDF MINUS  |
| 8395 | 5935 | 1 | $2\frac{1}{\tan(x)\pi}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | T  | TH | CDIF PLUS  |
| 8396 | 5936 | 1 | $1/2\frac{1}{\tan(x)\pi}\ln\left(\frac{-y-1}{y-1}\right)$  | T  | TH | CDIF MINUS |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 8397 | 5937 | 1 | $1/4 (\tan(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                     | T | TH | AB  | PLUS  |
| 8398 | 5938 | 1 | $4 (\tan(x))^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                    | T | TH | AB  | MINUS |
| 8399 | 5939 | 1 | $1/2 \sqrt{2} \sqrt{\tan(x) \ln \left( \frac{-y-1}{y-1} \right)}$                          | T | TH | W   | PLUS  |
| 8400 | 5940 | 1 | $\sqrt{2} \sqrt{\tan(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$          | T | TH | W   | MINUS |
| 8401 | 5941 | 1 | $4 \frac{1}{(\tan(x))^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$          | T | TH | ABI | PLUS  |
| 8402 | 5942 | 1 | $1/4 \frac{1}{(\tan(x))^2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$           | T | TH | ABI | MINUS |
| 8403 | 5943 | 1 | $1/8 (\tan(x))^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                     | T | TH | K   | PLUS  |
| 8404 | 5944 | 1 | $8 (\tan(x))^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                    | T | TH | K   | MINUS |
| 8405 | 5945 | 1 | $8 \frac{1}{(\tan(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$          | T | TH | KI  | PLUS  |
| 8406 | 5946 | 1 | $1/8 \frac{1}{(\tan(x))^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$           | T | TH | KI  | MINUS |
| 8407 | 5947 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \tan(x)}$  | T | TH | LL  | PLUS  |
| 8408 | 5948 | 1 | $e^{2 \tan(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$                    | T | TH | LL  | MINUS |
| 8409 | 5949 | 1 | $LOG \left( 1/2 \tan(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$                       | T | TH | L   | PLUS  |
| 8410 | 5950 | 1 | $LOG \left( 2 \tan(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$     | T | TH | L   | MINUS |
| 8411 | 5951 | 1 | $\arcsin \left( 1/2 \tan(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | T | TH | S   | PLUS  |
| 8412 | 5952 | 1 | $\arcsin \left( 2 \tan(x) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | T | TH | S   | MINUS |
| 8413 | 5953 | 1 | $\arctan \left( 1/2 \tan(x) \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | T | TH | T   | PLUS  |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 8414 | 5954 | 1 | $\arctan\left(2 \tan(x) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | T  | TH   | T    | MINUS |
| 8415 | 5955 | 1 | $1/2 \sqrt{\frac{1}{(\cos(x))^2} \left( \left( -1 + (\cos(x))^2 \right) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 + 4 (\cos(x))^2 \right)}$  | TH | TH   | TH   | PLUS  |
| 8416 | 5956 | 1 | $\sqrt{\frac{1}{(\cos(x))^2} \left( \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 (\cos(x))^2 - 4 + 4 (\cos(x))^2 \right)}$  | TH | TH   | TH   | MINUS |
| 8417 | 5957 | 1 | $1/2 \sqrt{\frac{1}{(\cos(x))^2} \left( \left( 1 - (\cos(x))^2 \right) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 + 4 (\cos(x))^2 \right)}$   | TH | TH   | TH   | PLUS  |
| 8418 | 5958 | 1 | $\sqrt{\frac{1}{(\cos(x))^2} \left( \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 (\cos(x))^2 + 4 - 4 (\cos(x))^2 \right)}$  | TH | TH   | TH   | MINUS |
| 8419 | 5959 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \tan(x)} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \tan(x)}$   | T  | TH   | SH   | PLUS  |
| 8420 | 5960 | 1 | $1/2 e^{2 \tan(x) (\ln(\frac{-y-1}{y-1}))^{-1}} - 1/2 e^{-2 \tan(x) (\ln(\frac{-y-1}{y-1}))^{-1}}$   | TH | TH   | SH   | MINUS |
| 8421 | 5961 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \tan(x)} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \tan(x)}$   | T  | TH   | CH   | PLUS  |
| 8422 | 5962 | 1 | $1/2 e^{2 \tan(x) (\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 e^{-2 \tan(x) (\ln(\frac{-y-1}{y-1}))^{-1}}$   | TH | TH   | CH   | MINUS |
| 8423 | 5963 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \tan(x)} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \tan(x)} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \tan(x)} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \tan(x)} \right)^{-1}$ | TH | TH   | TH   | PLUS  |
| 8424 | 5964 | 1 | $1 \left( e^{4 \tan(x) (\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right) \left( e^{4 \tan(x) (\ln(\frac{-y-1}{y-1}))^{-1}} + 1 \right)^{-1}$   | TH | TH   | TH   | MINUS |
| 8425 | 5965 | 1 | $\sqrt{-x^2+1}y$   | P  | CD   | CD   | PLUS  |
| 8426 | 5965 | 2 |  | P  | CDI  | CD   | MINUS |
| 8427 | 5965 | 3 |  | P  | CDF  | CDF  | PLUS  |
| 8428 | 5966 | 1 | $\frac{\sqrt{-x^2+1}}{y}$  | P  | CD   | CD   | MINUS |
| 8429 | 5966 | 2 |  | P  | CDI  | CD   | PLUS  |
| 8430 | 5966 | 3 |  | P  | CDIF | CDF  | PLUS  |
| 8431 | 5967 | 1 | $\frac{1}{\sqrt{-x^2+1}y}$   | P  | CD   | CDI  | PLUS  |
| 8432 | 5967 | 2 |  | P  | CDI  | CDI  | MINUS |
| 8433 | 5967 | 3 |  | P  | CDF  | CDIF | PLUS  |



|      |      |   |                                  |   |      |      |       |
|------|------|---|----------------------------------|---|------|------|-------|
| 8434 | 5968 | 1 | $\frac{y}{\sqrt{-x^2+1}}$        | P | CD   | CDI  | MINUS |
| 8435 | 5968 | 2 |                                  | P | CDI  | CDI  | PLUS  |
| 8436 | 5968 | 3 |                                  | P | CDIF | CDIF | PLUS  |
| 8437 | 5969 | 1 | $\sqrt{-x^2+1}y\pi$              | P | CD   | CDF  | PLUS  |
| 8438 | 5969 | 2 |                                  | P | CDI  | CDF  | MINUS |
| 8439 | 5969 | 3 |                                  | P | CDIF | CD   | MINUS |
| 8440 | 5970 | 1 | $\frac{\sqrt{-x^2+1}\pi}{y}$     | P | CD   | CDF  | MINUS |
| 8441 | 5970 | 2 |                                  | P | CDI  | CDF  | PLUS  |
| 8442 | 5970 | 3 |                                  | P | CDF  | CD   | MINUS |
| 8443 | 5971 | 1 | $\frac{1}{\sqrt{-x^2+1}y\pi}$    | P | CD   | CDIF | PLUS  |
| 8444 | 5971 | 2 |                                  | P | CDI  | CDIF | MINUS |
| 8445 | 5971 | 3 |                                  | P | CDIF | CDI  | MINUS |
| 8446 | 5972 | 1 | $\frac{y}{\sqrt{-x^2+1}\pi}$     | P | CD   | CDIF | MINUS |
| 8447 | 5972 | 2 |                                  | P | CDI  | CDIF | PLUS  |
| 8448 | 5972 | 3 |                                  | P | CDF  | CDI  | MINUS |
| 8449 | 5973 | 1 | $-x^2y^2 + y^2$                  | P | CD   | AB   | PLUS  |
| 8450 | 5973 | 2 |                                  | P | CDI  | AB   | MINUS |
| 8451 | 5974 | 1 | $\frac{-x^2+1}{y^2}$             | P | CD   | AB   | MINUS |
| 8452 | 5974 | 2 |                                  | P | CDI  | AB   | PLUS  |
| 8453 | 5975 | 1 | $\sqrt{\sqrt{-x^2+1}y}$          | P | CD   | W    | PLUS  |
| 8454 | 5975 | 2 |                                  | P | CDI  | W    | MINUS |
| 8455 | 5976 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{y}}$ | P | CD   | W    | MINUS |
| 8456 | 5976 | 2 |                                  | P | CDI  | W    | PLUS  |
| 8457 | 5977 | 1 | $-\frac{1}{(x^2-1)y^2}$          | P | CD   | ABI  | PLUS  |
| 8458 | 5977 | 2 |                                  | P | CDI  | ABI  | MINUS |
| 8459 | 5978 | 1 | $-\frac{y^2}{x^2-1}$             | P | CD   | ABI  | MINUS |
| 8460 | 5978 | 2 |                                  | P | CDI  | ABI  | PLUS  |
| 8461 | 5979 | 1 | $(-x^2+1)^{3/2}y^3$              | P | CD   | K    | PLUS  |
| 8462 | 5979 | 2 |                                  | P | CDI  | K    | MINUS |
| 8463 | 5980 | 1 | $\frac{(-x^2+1)^{3/2}}{y^3}$     | P | CD   | K    | MINUS |

|      |      |   |   |   |     |    |       |
|------|------|---|---|---|-----|----|-------|
| 8464 | 5980 | 2 |   | P | CDI | K  | PLUS  |
| 8465 | 5981 | 1 | $\frac{1}{(-x^2+1)^{3/2}y^3}$                 | P | CD  | KI | PLUS  |
| 8466 | 5981 | 2 |   | P | CDI | KI | MINUS |
| 8467 | 5982 | 1 | $\frac{y^3}{(-x^2+1)^{3/2}}$                  | P | CD  | KI | MINUS |
| 8468 | 5982 | 2 |   | P | CDI | KI | PLUS  |
| 8469 | 5983 | 1 | $e^{\sqrt{-x^2+1}y}$                          | P | CD  | LL | PLUS  |
| 8470 | 5983 | 2 |   | P | CDI | LL | MINUS |
| 8471 | 5984 | 1 | $e^{\frac{\sqrt{-x^2+1}}{y}}$                 | P | CD  | LL | MINUS |
| 8472 | 5984 | 2 |   | P | CDI | LL | PLUS  |
| 8473 | 5985 | 1 | $LOG(\sqrt{-x^2+1}y)$                         | P | CD  | L  | PLUS  |
| 8474 | 5985 | 2 |   | P | CDI | L  | MINUS |
| 8475 | 5986 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{y}\right)$     | P | CD  | L  | MINUS |
| 8476 | 5986 | 2 |   | P | CDI | L  | PLUS  |
| 8477 | 5987 | 1 | $\arcsin(\sqrt{-x^2+1}y)$                     | P | CD  | S  | PLUS  |
| 8478 | 5987 | 2 |   | P | CDI | S  | MINUS |
| 8479 | 5988 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{y}\right)$ | P | CD  | S  | MINUS |
| 8480 | 5988 | 2 |   | P | CDI | S  | PLUS  |
| 8481 | 5989 | 1 | $\arctan(\sqrt{-x^2+1}y)$                     | P | CD  | T  | PLUS  |
| 8482 | 5989 | 2 |   | P | CDI | T  | MINUS |
| 8483 | 5990 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{y}\right)$ | P | CD  | T  | MINUS |
| 8484 | 5990 | 2 |   | P | CDI | T  | PLUS  |
| 8485 | 5991 | 1 | $\sqrt{x^2y^2 - y^2 + 1}$                     | P | CD  | P  | PLUS  |
| 8486 | 5991 | 2 |   | P | CDI | P  | MINUS |
| 8487 | 5991 | 3 |   | H | CD  | H  | PLUS  |
| 8488 | 5991 | 4 |   | H | CDI | H  | MINUS |
| 8489 | 5992 | 1 | $\sqrt{\frac{x^2+y^2-1}{y^2}}$                | P | CD  | P  | MINUS |
| 8490 | 5992 | 2 |   | P | CDI | P  | PLUS  |
| 8491 | 5992 | 3 |   | H | CD  | H  | MINUS |
| 8492 | 5992 | 4 |   | H | CDI | H  | PLUS  |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 8493 | 5993 | 1 | $\sqrt{-x^2y^2 + y^2 + 1}$   | P | CD  | H    | PLUS  |
| 8494 | 5993 | 2 |  | P | CDI | H    | MINUS |
| 8495 | 5993 | 3 |  | H | CD  | P    | PLUS  |
| 8496 | 5993 | 4 |  | H | CDI | P    | MINUS |
| 8497 | 5994 | 1 | $\sqrt{-\frac{x^2-y^2-1}{y^2}}$  | P | CD  | H    | MINUS |
| 8498 | 5994 | 2 |  | P | CDI | H    | PLUS  |
| 8499 | 5994 | 3 |  | H | CD  | P    | MINUS |
| 8500 | 5994 | 4 |  | H | CDI | P    | PLUS  |
| 8501 | 5995 | 1 | $1/2 e^{\sqrt{-x^2+1}y} - 1/2 e^{-\sqrt{-x^2+1}y}$   | P | CD  | SH   | PLUS  |
| 8502 | 5995 | 2 |  | P | CDI | SH   | MINUS |
| 8503 | 5996 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{y}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{y}}$                                   | P | CD  | SH   | MINUS |
| 8504 | 5996 | 2 |  | P | CDI | SH   | PLUS  |
| 8505 | 5997 | 1 | $1/2 e^{\sqrt{-x^2+1}y} + 1/2 e^{-\sqrt{-x^2+1}y}$   | P | CD  | CH   | PLUS  |
| 8506 | 5997 | 2 |  | P | CDI | CH   | MINUS |
| 8507 | 5998 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{y}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{y}}$                                   | P | CD  | CH   | MINUS |
| 8508 | 5998 | 2 |  | P | CDI | CH   | PLUS  |
| 8509 | 5999 | 1 | $\frac{e^2 \sqrt{-x^2+1}y - 1}{e^2 \sqrt{-x^2+1}y + 1}$  | P | CD  | TH   | PLUS  |
| 8510 | 5999 | 2 |  | P | CDI | TH   | MINUS |
| 8511 | 6000 | 1 | $1 \left( e^2 \frac{\sqrt{-x^2+1}}{y} - 1 \right) \left( e^2 \frac{\sqrt{-x^2+1}}{y} + 1 \right)^{-1}$ | P | CD  | TH   | MINUS |
| 8512 | 6000 | 2 |  | P | CDI | TH   | PLUS  |
| 8513 | 6001 | 1 | $\frac{\sqrt{-x^2+1}y}{\pi}$   | P | CDF | CD   | PLUS  |
| 8514 | 6002 | 1 | $\frac{\pi}{\sqrt{-x^2+1}y}$   | P | CDF | CDI  | PLUS  |
| 8515 | 6003 | 1 | $\frac{\sqrt{-x^2+1}\pi^2}{y}$   | P | CDF | CDF  | MINUS |
| 8516 | 6004 | 1 | $\frac{y}{\sqrt{-x^2+1}\pi^2}$   | P | CDF | CDIF | MINUS |
| 8517 | 6005 | 1 | $-\frac{(x^2-1)y^2}{\pi^2}$  | P | CDF | AB   | PLUS  |
| 8518 | 6006 | 1 | $\frac{(-x^2+1)\pi^2}{y^2}$  | P | CDF | AB   | MINUS |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 8519 | 6007 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}y}{\pi}}$              | P | CDF | W   | PLUS  |
| 8520 | 6008 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}\pi}{y}}$              | P | CDF | W   | MINUS |
| 8521 | 6009 | 1 | $-\frac{\pi^2}{(x^2-1)y^2}$                      | P | CDF | ABI | PLUS  |
| 8522 | 6010 | 1 | $-\frac{y^2}{(x^2-1)\pi^2}$                      | P | CDF | ABI | MINUS |
| 8523 | 6011 | 1 | $\frac{(-x^2+1)^{3/2}y^3}{\pi^3}$                | P | CDF | K   | PLUS  |
| 8524 | 6012 | 1 | $\frac{(-x^2+1)^{3/2}\pi^3}{y^3}$                | P | CDF | K   | MINUS |
| 8525 | 6013 | 1 | $\frac{\pi^3}{(-x^2+1)^{3/2}y^3}$                | P | CDF | KI  | PLUS  |
| 8526 | 6014 | 1 | $\frac{y^3}{(-x^2+1)^{3/2}\pi^3}$                | P | CDF | KI  | MINUS |
| 8527 | 6015 | 1 | $e^{\frac{\sqrt{-x^2+1}y}{\pi}}$                 | P | CDF | LL  | PLUS  |
| 8528 | 6016 | 1 | $e^{\frac{\sqrt{-x^2+1}\pi}{y}}$                 | P | CDF | LL  | MINUS |
| 8529 | 6017 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}y}{\pi}\right)$     | P | CDF | L   | PLUS  |
| 8530 | 6018 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}\pi}{y}\right)$     | P | CDF | L   | MINUS |
| 8531 | 6019 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}y}{\pi}\right)$ | P | CDF | S   | PLUS  |
| 8532 | 6020 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}\pi}{y}\right)$ | P | CDF | S   | MINUS |
| 8533 | 6021 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}y}{\pi}\right)$ | P | CDF | T   | PLUS  |
| 8534 | 6022 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}\pi}{y}\right)$ | P | CDF | T   | MINUS |
| 8535 | 6023 | 1 | $\sqrt{\frac{x^2y^2+\pi^2-y^2}{\pi^2}}$          | P | CDF | P   | PLUS  |
| 8536 | 6023 | 2 |  | H | CDF | H   | PLUS  |
| 8537 | 6024 | 1 | $\sqrt{\frac{x^2\pi^2-\pi^2+y^2}{y^2}}$          | P | CDF | P   | MINUS |
| 8538 | 6024 | 2 |  | H | CDF | H   | MINUS |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 8539 | 6025 | 1 | $\sqrt{\frac{-x^2 y^2 + \pi^2 + y^2}{\pi^2}}$  | P | CDF  | H    | PLUS  |
| 8540 | 6025 | 2 |  | H | CDF  | P    | PLUS  |
| 8541 | 6026 | 1 | $\sqrt{-\frac{x^2 \pi^2 - \pi^2 - y^2}{y^2}}$  | P | CDF  | H    | MINUS |
| 8542 | 6026 | 2 |  | H | CDF  | P    | MINUS |
| 8543 | 6027 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}y}{\pi}} - 1/2 e^{-\frac{\sqrt{-x^2+1}y}{\pi}}$                                       | P | CDF  | SH   | PLUS  |
| 8544 | 6028 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}\pi}{y}} - 1/2 e^{-\frac{\sqrt{-x^2+1}\pi}{y}}$                                       | P | CDF  | SH   | MINUS |
| 8545 | 6029 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}y}{\pi}} + 1/2 e^{-\frac{\sqrt{-x^2+1}y}{\pi}}$                                       | P | CDF  | CH   | PLUS  |
| 8546 | 6030 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}\pi}{y}} + 1/2 e^{-\frac{\sqrt{-x^2+1}\pi}{y}}$                                       | P | CDF  | CH   | MINUS |
| 8547 | 6031 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}y}{\pi}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}y}{\pi}} + 1 \right)^{-1}$ | P | CDF  | TH   | PLUS  |
| 8548 | 6032 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}\pi}{y}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}\pi}{y}} + 1 \right)^{-1}$ | P | CDF  | TH   | MINUS |
| 8549 | 6033 | 1 | $\frac{\sqrt{-x^2+1}}{y\pi}$   | P | CDIF | CD   | PLUS  |
| 8550 | 6034 | 1 | $\frac{y\pi}{\sqrt{-x^2+1}}$   | P | CDIF | CDI  | PLUS  |
| 8551 | 6035 | 1 | $\sqrt{-x^2+1}y\pi^2$  | P | CDIF | CDF  | MINUS |
| 8552 | 6036 | 1 | $\frac{1}{\sqrt{-x^2+1}y\pi^2}$  | P | CDIF | CDIF | MINUS |
| 8553 | 6037 | 1 | $\frac{-x^2+1}{y^2\pi^2}$  | P | CDIF | AB   | PLUS  |
| 8554 | 6038 | 1 | $-(x^2-1)y^2\pi^2$   | P | CDIF | AB   | MINUS |
| 8555 | 6039 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{y\pi}}$  | P | CDIF | W    | PLUS  |
| 8556 | 6040 | 1 | $\sqrt{\sqrt{-x^2+1}y\pi}$   | P | CDIF | W    | MINUS |
| 8557 | 6041 | 1 | $-\frac{y^2\pi^2}{x^2-1}$  | P | CDIF | ABI  | PLUS  |
| 8558 | 6042 | 1 | $-\frac{1}{(x^2-1)y^2\pi^2}$   | P | CDIF | ABI  | MINUS |

|      |      |   |  |   |      |    |       |
|------|------|---|--|---|------|----|-------|
| 8559 | 6043 | 1 | $\frac{(-x^2+1)^{3/2}}{y^3\pi^3}$  | P | CDIF | K  | PLUS  |
| 8560 | 6044 | 1 | $(-x^2+1)^{3/2}y^3\pi^3$   | P | CDIF | K  | MINUS |
| 8561 | 6045 | 1 | $\frac{y^3\pi^3}{(-x^2+1)^{3/2}}$  | P | CDIF | KI | PLUS  |
| 8562 | 6046 | 1 | $\frac{1}{(-x^2+1)^{3/2}y^3\pi^3}$                                       | P | CDIF | KI | MINUS |
| 8563 | 6047 | 1 | $e^{\frac{\sqrt{-x^2+1}}{y\pi}}$   | P | CDIF | LL | PLUS  |
| 8564 | 6048 | 1 | $e^{\sqrt{-x^2+1}y\pi}$  | P | CDIF | LL | MINUS |
| 8565 | 6049 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{y\pi}\right)$                             | P | CDIF | L  | PLUS  |
| 8566 | 6050 | 1 | $LOG(\sqrt{-x^2+1}y\pi)$   | P | CDIF | L  | MINUS |
| 8567 | 6051 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{y\pi}\right)$                         | P | CDIF | S  | PLUS  |
| 8568 | 6052 | 1 | $\arcsin(\sqrt{-x^2+1}y\pi)$   | P | CDIF | S  | MINUS |
| 8569 | 6053 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{y\pi}\right)$                         | P | CDIF | T  | PLUS  |
| 8570 | 6054 | 1 | $\arctan(\sqrt{-x^2+1}y\pi)$   | P | CDIF | T  | MINUS |
| 8571 | 6055 | 1 | $\sqrt{\frac{y^2\pi^2+x^2-1}{y^2\pi^2}}$                                 | P | CDIF | P  | PLUS  |
| 8572 | 6055 | 2 |  | H | CDIF | H  | PLUS  |
| 8573 | 6056 | 1 | $\sqrt{\pi^2x^2y^2-y^2\pi^2+1}$  | P | CDIF | P  | MINUS |
| 8574 | 6056 | 2 |  | H | CDIF | H  | MINUS |
| 8575 | 6057 | 1 | $\sqrt{\frac{y^2\pi^2-x^2+1}{y^2\pi^2}}$                                 | P | CDIF | H  | PLUS  |
| 8576 | 6057 | 2 |  | H | CDIF | P  | PLUS  |
| 8577 | 6058 | 1 | $\sqrt{-\pi^2x^2y^2+y^2\pi^2+1}$   | P | CDIF | H  | MINUS |
| 8578 | 6058 | 2 |  | H | CDIF | P  | MINUS |
| 8579 | 6059 | 1 | $1/2e^{\frac{\sqrt{-x^2+1}}{y\pi}} - 1/2e^{-\frac{\sqrt{-x^2+1}}{y\pi}}$ | P | CDIF | SH | PLUS  |
| 8580 | 6060 | 1 | $1/2e^{\sqrt{-x^2+1}y\pi} - 1/2e^{-\sqrt{-x^2+1}y\pi}$                   | P | CDIF | SH | MINUS |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 8581 | 6061 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{y\pi}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{y\pi}}$                                     | P | CDIF | CH   | PLUS  |
| 8582 | 6062 | 1 | $1/2 e^{\sqrt{-x^2+1}y\pi} + 1/2 e^{-\sqrt{-x^2+1}y\pi}$   | P | CDIF | CH   | MINUS |
| 8583 | 6063 | 1 | $1 \left( e^{2\frac{\sqrt{-x^2+1}}{y\pi}} - 1 \right) \left( e^{2\frac{\sqrt{-x^2+1}}{y\pi}} + 1 \right)^{-1}$ | P | CDIF | TH   | PLUS  |
| 8584 | 6064 | 1 | $\frac{e^{2\sqrt{-x^2+1}y\pi} - 1}{e^{2\sqrt{-x^2+1}y\pi} + 1}$  | P | CDIF | TH   | MINUS |
| 8585 | 6065 | 1 | $\sqrt{-x^2+1}\sqrt{y}$  | P | AB   | CD   | PLUS  |
| 8586 | 6065 | 2 |  | P | ABI  | CD   | MINUS |
| 8587 | 6066 | 1 | $\frac{\sqrt{-x^2+1}}{\sqrt{y}}$   | P | AB   | CD   | MINUS |
| 8588 | 6066 | 2 |  | P | ABI  | CD   | PLUS  |
| 8589 | 6067 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt{y}}$  | P | AB   | CDI  | PLUS  |
| 8590 | 6067 | 2 |  | P | ABI  | CDI  | MINUS |
| 8591 | 6068 | 1 | $\frac{\sqrt{y}}{\sqrt{-x^2+1}}$   | P | AB   | CDI  | MINUS |
| 8592 | 6068 | 2 |  | P | ABI  | CDI  | PLUS  |
| 8593 | 6069 | 1 | $\sqrt{-x^2+1}\sqrt{y}\pi$   | P | AB   | CDF  | PLUS  |
| 8594 | 6069 | 2 |  | P | ABI  | CDF  | MINUS |
| 8595 | 6070 | 1 | $\frac{\sqrt{-x^2+1}\pi}{\sqrt{y}}$  | P | AB   | CDF  | MINUS |
| 8596 | 6070 | 2 |  | P | ABI  | CDF  | PLUS  |
| 8597 | 6071 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt{y}\pi}$   | P | AB   | CDIF | PLUS  |
| 8598 | 6071 | 2 |  | P | ABI  | CDIF | MINUS |
| 8599 | 6072 | 1 | $\frac{\sqrt{y}}{\sqrt{-x^2+1}\pi}$  | P | AB   | CDIF | MINUS |
| 8600 | 6072 | 2 |  | P | ABI  | CDIF | PLUS  |
| 8601 | 6073 | 1 | $-x^2y + y$  | P | AB   | AB   | PLUS  |
| 8602 | 6073 | 2 |  | P | ABI  | AB   | MINUS |
| 8603 | 6074 | 1 | $\frac{-x^2+1}{y}$   | P | AB   | AB   | MINUS |
| 8604 | 6074 | 2 |  | P | ABI  | AB   | PLUS  |
| 8605 | 6075 | 1 | $\sqrt{\sqrt{-x^2+1}\sqrt{y}}$   | P | AB   | W    | PLUS  |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 8606 | 6075 | 2 |  | P | ABI | W   | MINUS |
| 8607 | 6076 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\sqrt{y}}}$              | P | AB  | W   | MINUS |
| 8608 | 6076 | 2 |  | P | ABI | W   | PLUS  |
| 8609 | 6077 | 1 | $-\frac{1}{(x^2-1)y}$                                | P | AB  | ABI | PLUS  |
| 8610 | 6077 | 2 |  | P | ABI | ABI | MINUS |
| 8611 | 6078 | 1 | $-\frac{y}{x^2-1}$                                   | P | AB  | ABI | MINUS |
| 8612 | 6078 | 2 |  | P | ABI | ABI | PLUS  |
| 8613 | 6079 | 1 | $(-x^2+1)^{3/2}y^{3/2}$                              | P | AB  | K   | PLUS  |
| 8614 | 6079 | 2 |  | P | ABI | K   | MINUS |
| 8615 | 6080 | 1 | $\frac{(-x^2+1)^{3/2}}{y^{3/2}}$                     | P | AB  | K   | MINUS |
| 8616 | 6080 | 2 |  | P | ABI | K   | PLUS  |
| 8617 | 6081 | 1 | $\frac{1}{(-x^2+1)^{3/2}y^{3/2}}$                    | P | AB  | KI  | PLUS  |
| 8618 | 6081 | 2 |  | P | ABI | KI  | MINUS |
| 8619 | 6082 | 1 | $\frac{y^{3/2}}{(-x^2+1)^{3/2}}$                     | P | AB  | KI  | MINUS |
| 8620 | 6082 | 2 |  | P | ABI | KI  | PLUS  |
| 8621 | 6083 | 1 | $e^{\sqrt{-x^2+1}\sqrt{y}}$                          | P | AB  | LL  | PLUS  |
| 8622 | 6083 | 2 |  | P | ABI | LL  | MINUS |
| 8623 | 6084 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\sqrt{y}}}$                 | P | AB  | LL  | MINUS |
| 8624 | 6084 | 2 |  | P | ABI | LL  | PLUS  |
| 8625 | 6085 | 1 | $LOG(\sqrt{-x^2+1}\sqrt{y})$                         | P | AB  | L   | PLUS  |
| 8626 | 6085 | 2 |  | P | ABI | L   | MINUS |
| 8627 | 6086 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\sqrt{y}}\right)$     | P | AB  | L   | MINUS |
| 8628 | 6086 | 2 |  | P | ABI | L   | PLUS  |
| 8629 | 6087 | 1 | $\arcsin(\sqrt{-x^2+1}\sqrt{y})$                     | P | AB  | S   | PLUS  |
| 8630 | 6087 | 2 |  | P | ABI | S   | MINUS |
| 8631 | 6088 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\sqrt{y}}\right)$ | P | AB  | S   | MINUS |
| 8632 | 6088 | 2 |  | P | ABI | S   | PLUS  |



|      |      |   |  |   |     |    |       |
|------|------|---|--|---|-----|----|-------|
| 8633 | 6089 | 1 | $\arctan(\sqrt{-x^2+1}\sqrt{y})$   | P | AB  | T  | PLUS  |
| 8634 | 6089 | 2 |  | P | ABI | T  | MINUS |
| 8635 | 6090 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\sqrt{y}}\right)$                               | P | AB  | T  | MINUS |
| 8636 | 6090 | 2 |  | P | ABI | T  | PLUS  |
| 8637 | 6091 | 1 | $\sqrt{x^2y-y+1}$  | P | AB  | P  | PLUS  |
| 8638 | 6091 | 2 |  | P | ABI | P  | MINUS |
| 8639 | 6091 | 3 |  | H | AB  | H  | PLUS  |
| 8640 | 6091 | 4 |  | H | ABI | H  | MINUS |
| 8641 | 6092 | 1 | $\sqrt{\frac{x^2+y-1}{y}}$   | P | AB  | P  | MINUS |
| 8642 | 6092 | 2 |  | P | ABI | P  | PLUS  |
| 8643 | 6092 | 3 |  | H | AB  | H  | MINUS |
| 8644 | 6092 | 4 |  | H | ABI | H  | PLUS  |
| 8645 | 6093 | 1 | $\sqrt{-x^2y+y+1}$   | P | AB  | H  | PLUS  |
| 8646 | 6093 | 2 |  | P | ABI | H  | MINUS |
| 8647 | 6093 | 3 |  | H | AB  | P  | PLUS  |
| 8648 | 6093 | 4 |  | H | ABI | P  | MINUS |
| 8649 | 6094 | 1 | $\sqrt{-\frac{x^2-y-1}{y}}$  | P | AB  | H  | MINUS |
| 8650 | 6094 | 2 |  | P | ABI | H  | PLUS  |
| 8651 | 6094 | 3 |  | H | AB  | P  | MINUS |
| 8652 | 6094 | 4 |  | H | ABI | P  | PLUS  |
| 8653 | 6095 | 1 | $1/2 e^{\sqrt{-x^2+1}\sqrt{y}} - 1/2 e^{-\sqrt{-x^2+1}\sqrt{y}}$                   | P | AB  | SH | PLUS  |
| 8654 | 6095 | 2 |  | P | ABI | SH | MINUS |
| 8655 | 6096 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sqrt{y}}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sqrt{y}}}$ | P | AB  | SH | MINUS |
| 8656 | 6096 | 2 |  | P | ABI | SH | PLUS  |
| 8657 | 6097 | 1 | $1/2 e^{\sqrt{-x^2+1}\sqrt{y}} + 1/2 e^{-\sqrt{-x^2+1}\sqrt{y}}$                   | P | AB  | CH | PLUS  |
| 8658 | 6097 | 2 |  | P | ABI | CH | MINUS |
| 8659 | 6098 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sqrt{y}}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sqrt{y}}}$ | P | AB  | CH | MINUS |
| 8660 | 6098 | 2 |  | P | ABI | CH | PLUS  |
| 8661 | 6099 | 1 | $\frac{e^{2\sqrt{-x^2+1}\sqrt{y}}-1}{e^{2\sqrt{-x^2+1}\sqrt{y}}+1}$                | P | AB  | TH | PLUS  |
| 8662 | 6099 | 2 |  | P | ABI | TH | MINUS |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 8663 | 6100 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{\sqrt{y}}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{\sqrt{y}}} + 1 \right)^{-1}$ | P | AB  | TH   | MINUS |
| 8664 | 6100 | 2 |  | P | ABI | TH   | PLUS  |
| 8665 | 6101 | 1 | $\sqrt{-x^2+1}y^2$   | P | W   | CD   | PLUS  |
| 8666 | 6102 | 1 | $\frac{\sqrt{-x^2+1}}{y^2}$  | P | W   | CD   | MINUS |
| 8667 | 6103 | 1 | $\frac{1}{\sqrt{-x^2+1}y^2}$   | P | W   | CDI  | PLUS  |
| 8668 | 6104 | 1 | $\frac{y^2}{\sqrt{-x^2+1}}$  | P | W   | CDI  | MINUS |
| 8669 | 6105 | 1 | $\sqrt{-x^2+1}y^2\pi$  | P | W   | CDF  | PLUS  |
| 8670 | 6106 | 1 | $\frac{\sqrt{-x^2+1}\pi}{y^2}$   | P | W   | CDF  | MINUS |
| 8671 | 6107 | 1 | $\frac{1}{\sqrt{-x^2+1}y^2\pi}$  | P | W   | CDIF | PLUS  |
| 8672 | 6108 | 1 | $\frac{y^2}{\sqrt{-x^2+1}\pi}$   | P | W   | CDIF | MINUS |
| 8673 | 6109 | 1 | $-x^2y^4 + y^4$  | P | W   | AB   | PLUS  |
| 8674 | 6110 | 1 | $\frac{-x^2+1}{y^4}$   | P | W   | AB   | MINUS |
| 8675 | 6111 | 1 | $\sqrt{\sqrt{-x^2+1}y^2}$  | P | W   | W    | PLUS  |
| 8676 | 6112 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{y^2}}$   | P | W   | W    | MINUS |
| 8677 | 6113 | 1 | $-\frac{1}{(x^2-1)y^4}$  | P | W   | ABI  | PLUS  |
| 8678 | 6114 | 1 | $-\frac{y^4}{x^2-1}$   | P | W   | ABI  | MINUS |
| 8679 | 6115 | 1 | $(-x^2+1)^{3/2}y^6$  | P | W   | K    | PLUS  |
| 8680 | 6116 | 1 | $\frac{(-x^2+1)^{3/2}}{y^6}$   | P | W   | K    | MINUS |
| 8681 | 6117 | 1 | $\frac{1}{(-x^2+1)^{3/2}y^6}$  | P | W   | KI   | PLUS  |
| 8682 | 6118 | 1 | $\frac{y^6}{(-x^2+1)^{3/2}}$   | P | W   | KI   | MINUS |
| 8683 | 6119 | 1 | $e^{\sqrt{-x^2+1}y^2}$   | P | W   | LL   | PLUS  |

|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 8684 | 6120 | 1 | $e^{\frac{\sqrt{-x^2+1}}{y^2}}$  | P | W | LL | MINUS |
| 8685 | 6121 | 1 | $LOG(\sqrt{-x^2+1}y^2)$  | P | W | L  | PLUS  |
| 8686 | 6122 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{y^2}\right)$  | P | W | L  | MINUS |
| 8687 | 6123 | 1 | $\arcsin(\sqrt{-x^2+1}y^2)$  | P | W | S  | PLUS  |
| 8688 | 6124 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{y^2}\right)$  | P | W | S  | MINUS |
| 8689 | 6125 | 1 | $\arctan(\sqrt{-x^2+1}y^2)$  | P | W | T  | PLUS  |
| 8690 | 6126 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{y^2}\right)$  | P | W | T  | MINUS |
| 8691 | 6127 | 1 | $\sqrt{x^2y^4 - y^4 + 1}$  | P | W | P  | PLUS  |
| 8692 | 6127 | 2 |  | H | W | H  | PLUS  |
| 8693 | 6128 | 1 | $\sqrt{\frac{y^4+x^2-1}{y^4}}$   | P | W | P  | MINUS |
| 8694 | 6128 | 2 |  | H | W | H  | MINUS |
| 8695 | 6129 | 1 | $\sqrt{-x^2y^4 + y^4 + 1}$   | P | W | H  | PLUS  |
| 8696 | 6129 | 2 |  | H | W | P  | PLUS  |
| 8697 | 6130 | 1 | $\sqrt{-\frac{-y^4+x^2-1}{y^4}}$   | P | W | H  | MINUS |
| 8698 | 6130 | 2 |  | H | W | P  | MINUS |
| 8699 | 6131 | 1 | $1/2 e^{\sqrt{-x^2+1}y^2} - 1/2 e^{-\sqrt{-x^2+1}y^2}$   | P | W | SH | PLUS  |
| 8700 | 6132 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{y^2}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{y^2}}$                                       | P | W | SH | MINUS |
| 8701 | 6133 | 1 | $1/2 e^{\sqrt{-x^2+1}y^2} + 1/2 e^{-\sqrt{-x^2+1}y^2}$   | P | W | CH | PLUS  |
| 8702 | 6134 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{y^2}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{y^2}}$                                       | P | W | CH | MINUS |
| 8703 | 6135 | 1 | $\frac{e^2 \sqrt{-x^2+1}y^2 - 1}{e^2 \sqrt{-x^2+1}y^2 + 1}$  | P | W | TH | PLUS  |
| 8704 | 6136 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{y^2}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{y^2}} + 1 \right)^{-1}$ | P | W | TH | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8705 | 6137 | 1 | $\sqrt{-x^2+1}\sqrt[3]{y}$                 | P | K  | CD   | PLUS  |
| 8706 | 6137 | 2 |  | P | KI | CD   | MINUS |
| 8707 | 6138 | 1 | $\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}$        | P | K  | CD   | MINUS |
| 8708 | 6138 | 2 |  | P | KI | CD   | PLUS  |
| 8709 | 6139 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt[3]{y}}$       | P | K  | CDI  | PLUS  |
| 8710 | 6139 | 2 |  | P | KI | CDI  | MINUS |
| 8711 | 6140 | 1 | $\frac{\sqrt[3]{y}}{\sqrt{-x^2+1}}$        | P | K  | CDI  | MINUS |
| 8712 | 6140 | 2 |  | P | KI | CDI  | PLUS  |
| 8713 | 6141 | 1 | $\sqrt{-x^2+1}\sqrt[3]{y}\pi$              | P | K  | CDF  | PLUS  |
| 8714 | 6141 | 2 |  | P | KI | CDF  | MINUS |
| 8715 | 6142 | 1 | $\frac{\sqrt{-x^2+1}\pi}{\sqrt[3]{y}}$     | P | K  | CDF  | MINUS |
| 8716 | 6142 | 2 |  | P | KI | CDF  | PLUS  |
| 8717 | 6143 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt[3]{y}\pi}$    | P | K  | CDIF | PLUS  |
| 8718 | 6143 | 2 |  | P | KI | CDIF | MINUS |
| 8719 | 6144 | 1 | $\frac{\sqrt[3]{y}}{\sqrt{-x^2+1}\pi}$     | P | K  | CDIF | MINUS |
| 8720 | 6144 | 2 |  | P | KI | CDIF | PLUS  |
| 8721 | 6145 | 1 | $(-x^2+1)y^{2/3}$                          | P | K  | AB   | PLUS  |
| 8722 | 6145 | 2 |  | P | KI | AB   | MINUS |
| 8723 | 6146 | 1 | $\frac{-x^2+1}{y^{2/3}}$                   | P | K  | AB   | MINUS |
| 8724 | 6146 | 2 |  | P | KI | AB   | PLUS  |
| 8725 | 6147 | 1 | $\sqrt{\sqrt{-x^2+1}\sqrt[3]{y}}$          | P | K  | W    | PLUS  |
| 8726 | 6147 | 2 |  | P | KI | W    | MINUS |
| 8727 | 6148 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}$ | P | K  | W    | MINUS |
| 8728 | 6148 | 2 |  | P | KI | W    | PLUS  |
| 8729 | 6149 | 1 | $-\frac{1}{(x^2-1)y^{2/3}}$                | P | K  | ABI  | PLUS  |
| 8730 | 6149 | 2 |  | P | KI | ABI  | MINUS |
| 8731 | 6150 | 1 | $-\frac{y^{2/3}}{x^2-1}$                   | P | K  | ABI  | MINUS |
| 8732 | 6150 | 2 |  | P | KI | ABI  | PLUS  |

|      |      |   |   |   |    |    |       |
|------|------|---|---|---|----|----|-------|
| 8733 | 6151 | 1 | $(-x^2+1)^{3/2}y$                                       | P | K  | K  | PLUS  |
| 8734 | 6151 | 2 |   | P | KI | K  | MINUS |
| 8735 | 6152 | 1 | $\frac{(-x^2+1)^{3/2}}{y}$                              | P | K  | K  | MINUS |
| 8736 | 6152 | 2 |   | P | KI | K  | PLUS  |
| 8737 | 6153 | 1 | $\frac{1}{(-x^2+1)^{3/2}y}$                             | P | K  | KI | PLUS  |
| 8738 | 6153 | 2 |   | P | KI | KI | MINUS |
| 8739 | 6154 | 1 | $\frac{y}{(-x^2+1)^{3/2}}$                              | P | K  | KI | MINUS |
| 8740 | 6154 | 2 |   | P | KI | KI | PLUS  |
| 8741 | 6155 | 1 | $e^{\sqrt{-x^2+1}\sqrt[3]{y}}$                          | P | K  | LL | PLUS  |
| 8742 | 6155 | 2 |   | P | KI | LL | MINUS |
| 8743 | 6156 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}$                 | P | K  | LL | MINUS |
| 8744 | 6156 | 2 |   | P | KI | LL | PLUS  |
| 8745 | 6157 | 1 | $LOG(\sqrt{-x^2+1}\sqrt[3]{y})$                         | P | K  | L  | PLUS  |
| 8746 | 6157 | 2 |   | P | KI | L  | MINUS |
| 8747 | 6158 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}\right)$     | P | K  | L  | MINUS |
| 8748 | 6158 | 2 |   | P | KI | L  | PLUS  |
| 8749 | 6159 | 1 | $\arcsin(\sqrt{-x^2+1}\sqrt[3]{y})$                     | P | K  | S  | PLUS  |
| 8750 | 6159 | 2 |   | P | KI | S  | MINUS |
| 8751 | 6160 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}\right)$ | P | K  | S  | MINUS |
| 8752 | 6160 | 2 |   | P | KI | S  | PLUS  |
| 8753 | 6161 | 1 | $\arctan(\sqrt{-x^2+1}\sqrt[3]{y})$                     | P | K  | T  | PLUS  |
| 8754 | 6161 | 2 |   | P | KI | T  | MINUS |
| 8755 | 6162 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}\right)$ | P | K  | T  | MINUS |
| 8756 | 6162 | 2 |   | P | KI | T  | PLUS  |
| 8757 | 6163 | 1 | $\sqrt{x^2y^{2/3}-y^{2/3}+1}$                           | P | K  | P  | PLUS  |
| 8758 | 6163 | 2 |   | P | KI | P  | MINUS |
| 8759 | 6163 | 3 |   | H | K  | H  | PLUS  |
| 8760 | 6163 | 4 |   | H | KI | H  | MINUS |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 8761 | 6164 | 1 | $\sqrt{\frac{y^{2/3}+x^2-1}{y^{2/3}}}$   | P | K  | P   | MINUS |
| 8762 | 6164 | 2 |  | P | KI | P   | PLUS  |
| 8763 | 6164 | 3 |  | H | K  | H   | MINUS |
| 8764 | 6164 | 4 |  | H | KI | H   | PLUS  |
| 8765 | 6165 | 1 | $\sqrt{-x^2y^{2/3}+y^{2/3}+1}$   | P | K  | H   | PLUS  |
| 8766 | 6165 | 2 |  | P | KI | H   | MINUS |
| 8767 | 6165 | 3 |  | H | K  | P   | PLUS  |
| 8768 | 6165 | 4 |  | H | KI | P   | MINUS |
| 8769 | 6166 | 1 | $\sqrt{\frac{y^{2/3}-x^2+1}{y^{2/3}}}$   | P | K  | H   | MINUS |
| 8770 | 6166 | 2 |  | P | KI | H   | PLUS  |
| 8771 | 6166 | 3 |  | H | K  | P   | MINUS |
| 8772 | 6166 | 4 |  | H | KI | P   | PLUS  |
| 8773 | 6167 | 1 | $1/2e^{\sqrt{-x^2+1}\sqrt[3]{y}}-1/2e^{-\sqrt{-x^2+1}\sqrt[3]{y}}$   | P | K  | SH  | PLUS  |
| 8774 | 6167 | 2 |  | P | KI | SH  | MINUS |
| 8775 | 6168 | 1 | $1/2e^{\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}-1/2e^{-\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}$                               | P | K  | SH  | MINUS |
| 8776 | 6168 | 2 |  | P | KI | SH  | PLUS  |
| 8777 | 6169 | 1 | $1/2e^{\sqrt{-x^2+1}\sqrt[3]{y}}+1/2e^{-\sqrt{-x^2+1}\sqrt[3]{y}}$   | P | K  | CH  | PLUS  |
| 8778 | 6169 | 2 |  | P | KI | CH  | MINUS |
| 8779 | 6170 | 1 | $1/2e^{\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}+1/2e^{-\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}$                               | P | K  | CH  | MINUS |
| 8780 | 6170 | 2 |  | P | KI | CH  | PLUS  |
| 8781 | 6171 | 1 | $\frac{e^{2\sqrt{-x^2+1}\sqrt[3]{y}}-1}{e^{2\sqrt{-x^2+1}\sqrt[3]{y}}+1}$  | P | K  | TH  | PLUS  |
| 8782 | 6171 | 2 |  | P | KI | TH  | MINUS |
| 8783 | 6172 | 1 | $1\left(e^{2\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}-1\right)\left(e^{2\frac{\sqrt{-x^2+1}}{\sqrt[3]{y}}}+1\right)^{-1}$ | P | K  | TH  | MINUS |
| 8784 | 6172 | 2 |  | P | KI | TH  | PLUS  |
| 8785 | 6173 | 1 | $\sqrt{-x^2+1}\ln(y)$  | P | LL | CD  | PLUS  |
| 8786 | 6174 | 1 | $\frac{\sqrt{-x^2+1}}{\ln(y)}$   | P | LL | CD  | MINUS |
| 8787 | 6175 | 1 | $\frac{1}{\sqrt{-x^2+1}\ln(y)}$  | P | LL | CDI | PLUS  |
| 8788 | 6176 | 1 | $\frac{\ln(y)}{\sqrt{-x^2+1}}$   | P | LL | CDI | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 8789 | 6177 | 1 | $\sqrt{-x^2+1} \ln(y) \pi$                     | P | LL | CDF  | PLUS  |
| 8790 | 6178 | 1 | $\frac{\sqrt{-x^2+1}\pi}{\ln(y)}$              | P | LL | CDF  | MINUS |
| 8791 | 6179 | 1 | $\frac{1}{\sqrt{-x^2+1} \ln(y) \pi}$           | P | LL | CDIF | PLUS  |
| 8792 | 6180 | 1 | $\frac{\ln(y)}{\sqrt{-x^2+1} \pi}$             | P | LL | CDIF | MINUS |
| 8793 | 6181 | 1 | $(-x^2+1) (\ln(y))^2$                          | P | LL | AB   | PLUS  |
| 8794 | 6182 | 1 | $\frac{-x^2+1}{(\ln(y))^2}$                    | P | LL | AB   | MINUS |
| 8795 | 6183 | 1 | $\sqrt{\sqrt{-x^2+1} \ln(y)}$                  | P | LL | W    | PLUS  |
| 8796 | 6184 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\ln(y)}}$          | P | LL | W    | MINUS |
| 8797 | 6185 | 1 | $-\frac{1}{(x^2-1)(\ln(y))^2}$                 | P | LL | ABI  | PLUS  |
| 8798 | 6186 | 1 | $-\frac{(\ln(y))^2}{x^2-1}$                    | P | LL | ABI  | MINUS |
| 8799 | 6187 | 1 | $(-x^2+1)^{3/2} (\ln(y))^3$                    | P | LL | K    | PLUS  |
| 8800 | 6188 | 1 | $\frac{(-x^2+1)^{3/2}}{(\ln(y))^3}$            | P | LL | K    | MINUS |
| 8801 | 6189 | 1 | $\frac{1}{(-x^2+1)^{3/2} (\ln(y))^3}$          | P | LL | KI   | PLUS  |
| 8802 | 6190 | 1 | $\frac{(\ln(y))^3}{(-x^2+1)^{3/2}}$            | P | LL | KI   | MINUS |
| 8803 | 6191 | 1 | $y^{\sqrt{-x^2+1}}$                            | P | LL | LL   | PLUS  |
| 8804 | 6192 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\ln(y)}}$             | P | LL | LL   | MINUS |
| 8805 | 6193 | 1 | $LOG(\sqrt{-x^2+1} \ln(y))$                    | P | LL | L    | PLUS  |
| 8806 | 6194 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\ln(y)}\right)$ | P | LL | L    | MINUS |
| 8807 | 6195 | 1 | $\arcsin(\sqrt{-x^2+1} \ln(y))$                | P | LL | S    | PLUS  |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 8808 | 6196 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\ln(y)}\right)$   | P | LL | S   | MINUS |
| 8809 | 6197 | 1 | $\arctan\left(\sqrt{-x^2+1}\ln(y)\right)$  | P | LL | T   | PLUS  |
| 8810 | 6198 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\ln(y)}\right)$   | P | LL | T   | MINUS |
| 8811 | 6199 | 1 | $\sqrt{x^2(\ln(y))^2 - (\ln(y))^2 + 1}$  | P | LL | P   | PLUS  |
| 8812 | 6199 | 2 |  | H | LL | H   | PLUS  |
| 8813 | 6200 | 1 | $\sqrt{\frac{(\ln(y))^2 + x^2 - 1}{(\ln(y))^2}}$   | P | LL | P   | MINUS |
| 8814 | 6200 | 2 |  | H | LL | H   | MINUS |
| 8815 | 6201 | 1 | $\sqrt{-x^2(\ln(y))^2 + (\ln(y))^2 + 1}$   | P | LL | H   | PLUS  |
| 8816 | 6201 | 2 |  | H | LL | P   | PLUS  |
| 8817 | 6202 | 1 | $\sqrt{\frac{(\ln(y))^2 - x^2 + 1}{(\ln(y))^2}}$   | P | LL | H   | MINUS |
| 8818 | 6202 | 2 |  | H | LL | P   | MINUS |
| 8819 | 6203 | 1 | $1/2 y^{\sqrt{-x^2+1}} - 1/2 y^{-\sqrt{-x^2+1}}$   | P | LL | SH  | PLUS  |
| 8820 | 6204 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\ln(y)}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{\ln(y)}}$                                       | P | LL | SH  | MINUS |
| 8821 | 6205 | 1 | $1/2 y^{\sqrt{-x^2+1}} + 1/2 y^{-\sqrt{-x^2+1}}$   | P | LL | CH  | PLUS  |
| 8822 | 6206 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\ln(y)}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\ln(y)}}$                                       | P | LL | CH  | MINUS |
| 8823 | 6207 | 1 | $\frac{y^2 \sqrt{-x^2+1} - 1}{y^2 \sqrt{-x^2+1} + 1}$  | P | LL | TH  | PLUS  |
| 8824 | 6208 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{\ln(y)}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{\ln(y)}} + 1 \right)^{-1}$ | P | LL | TH  | MINUS |
| 8825 | 6209 | 1 | $\sqrt{-x^2+1} EXP(y)$   | P | L  | CD  | PLUS  |
| 8826 | 6210 | 1 | $\frac{\sqrt{-x^2+1}}{EXP(y)}$   | P | L  | CD  | MINUS |
| 8827 | 6211 | 1 | $\frac{1}{\sqrt{-x^2+1} EXP(y)}$   | P | L  | CDI | PLUS  |
| 8828 | 6212 | 1 | $\frac{EXP(y)}{\sqrt{-x^2+1}}$   | P | L  | CDI | MINUS |



|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 8829 | 6213 | 1 | $\sqrt{-x^2+1}EXP(y)\pi$                           | P | L | CDF  | PLUS  |
| 8830 | 6214 | 1 | $\frac{\sqrt{-x^2+1}\pi}{EXP(y)}$                  | P | L | CDF  | MINUS |
| 8831 | 6215 | 1 | $\frac{1}{\sqrt{-x^2+1}EXP(y)\pi}$                 | P | L | CDIF | PLUS  |
| 8832 | 6216 | 1 | $\frac{EXP(y)}{\sqrt{-x^2+1}\pi}$                  | P | L | CDIF | MINUS |
| 8833 | 6217 | 1 | $(-x^2+1)(EXP(y))^2$                               | P | L | AB   | PLUS  |
| 8834 | 6218 | 1 | $\frac{-x^2+1}{(EXP(y))^2}$                        | P | L | AB   | MINUS |
| 8835 | 6219 | 1 | $\sqrt{\sqrt{-x^2+1}EXP(y)}$                       | P | L | W    | PLUS  |
| 8836 | 6220 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{EXP(y)}}$              | P | L | W    | MINUS |
| 8837 | 6221 | 1 | $-\frac{1}{(x^2-1)(EXP(y))^2}$                     | P | L | ABI  | PLUS  |
| 8838 | 6222 | 1 | $-\frac{(EXP(y))^2}{x^2-1}$                        | P | L | ABI  | MINUS |
| 8839 | 6223 | 1 | $(-x^2+1)^{3/2}(EXP(y))^3$                         | P | L | K    | PLUS  |
| 8840 | 6224 | 1 | $\frac{(-x^2+1)^{3/2}}{(EXP(y))^3}$                | P | L | K    | MINUS |
| 8841 | 6225 | 1 | $\frac{1}{(-x^2+1)^{3/2}(EXP(y))^3}$               | P | L | KI   | PLUS  |
| 8842 | 6226 | 1 | $\frac{(EXP(y))^3}{(-x^2+1)^{3/2}}$                | P | L | KI   | MINUS |
| 8843 | 6227 | 1 | $e^{\sqrt{-x^2+1}EXP(y)}$                          | P | L | LL   | PLUS  |
| 8844 | 6228 | 1 | $e^{\frac{\sqrt{-x^2+1}}{EXP(y)}}$                 | P | L | LL   | MINUS |
| 8845 | 6229 | 1 | $LOG(\sqrt{-x^2+1}EXP(y))$                         | P | L | L    | PLUS  |
| 8846 | 6230 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{EXP(y)}\right)$     | P | L | L    | MINUS |
| 8847 | 6231 | 1 | $\arcsin(\sqrt{-x^2+1}EXP(y))$                     | P | L | S    | PLUS  |
| 8848 | 6232 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{EXP(y)}\right)$ | P | L | S    | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 8849 | 6233 | 1 | $\arctan(\sqrt{-x^2+1}EXP(y))$   | P | L | T   | PLUS  |
| 8850 | 6234 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{EXP(y)}\right)$   | P | L | T   | MINUS |
| 8851 | 6235 | 1 | $\sqrt{x^2(EXP(y))^2 - (EXP(y))^2 + 1}$  | P | L | P   | PLUS  |
| 8852 | 6235 | 2 |  | H | L | H   | PLUS  |
| 8853 | 6236 | 1 | $\sqrt{\frac{(EXP(y))^2 + x^2 - 1}{(EXP(y))^2}}$   | P | L | P   | MINUS |
| 8854 | 6236 | 2 |  | H | L | H   | MINUS |
| 8855 | 6237 | 1 | $\sqrt{-x^2(EXP(y))^2 + (EXP(y))^2 + 1}$   | P | L | H   | PLUS  |
| 8856 | 6237 | 2 |  | H | L | P   | PLUS  |
| 8857 | 6238 | 1 | $\sqrt{\frac{(EXP(y))^2 - x^2 + 1}{(EXP(y))^2}}$   | P | L | H   | MINUS |
| 8858 | 6238 | 2 |  | H | L | P   | MINUS |
| 8859 | 6239 | 1 | $1/2 e^{\sqrt{-x^2+1}EXP(y)} - 1/2 e^{-\sqrt{-x^2+1}EXP(y)}$   | P | L | SH  | PLUS  |
| 8860 | 6240 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{EXP(y)}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{EXP(y)}}$                                       | P | L | SH  | MINUS |
| 8861 | 6241 | 1 | $1/2 e^{\sqrt{-x^2+1}EXP(y)} + 1/2 e^{-\sqrt{-x^2+1}EXP(y)}$   | P | L | CH  | PLUS  |
| 8862 | 6242 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{EXP(y)}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{EXP(y)}}$                                       | P | L | CH  | MINUS |
| 8863 | 6243 | 1 | $\frac{e^2 \sqrt{-x^2+1}EXP(y) - 1}{e^2 \sqrt{-x^2+1}EXP(y) + 1}$  | P | L | TH  | PLUS  |
| 8864 | 6244 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{EXP(y)}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{EXP(y)}} + 1 \right)^{-1}$ | P | L | TH  | MINUS |
| 8865 | 6245 | 1 | $\sqrt{-x^2+1} \sin(y)$  | P | S | CD  | PLUS  |
| 8866 | 6246 | 1 | $\frac{\sqrt{-x^2+1}}{\sin(y)}$  | P | S | CD  | MINUS |
| 8867 | 6247 | 1 | $\frac{1}{\sqrt{-x^2+1} \sin(y)}$  | P | S | CDI | PLUS  |
| 8868 | 6248 | 1 | $\frac{\sin(y)}{\sqrt{-x^2+1}}$  | P | S | CDI | MINUS |
| 8869 | 6249 | 1 | $\sqrt{-x^2+1} \sin(y) \pi$  | P | S | CDF | PLUS  |

|      |      |   |   |   |   |      |       |
|------|------|---|---|---|---|------|-------|
| 8870 | 6250 | 1 | $\frac{\sqrt{-x^2+1}\pi}{\sin(y)}$                  | P | S | CDF  | MINUS |
| 8871 | 6251 | 1 | $\frac{1}{\sqrt{-x^2+1}\sin(y)\pi}$                 | P | S | CDIF | PLUS  |
| 8872 | 6252 | 1 | $\frac{\sin(y)}{\sqrt{-x^2+1}\pi}$                  | P | S | CDIF | MINUS |
| 8873 | 6253 | 1 | $(-x^2+1)(\sin(y))^2$                               | P | S | AB   | PLUS  |
| 8874 | 6254 | 1 | $\frac{-x^2+1}{(\sin(y))^2}$                        | P | S | AB   | MINUS |
| 8875 | 6255 | 1 | $\sqrt{\sqrt{-x^2+1}\sin(y)}$                       | P | S | W    | PLUS  |
| 8876 | 6256 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\sin(y)}}$              | P | S | W    | MINUS |
| 8877 | 6257 | 1 | $-\frac{1}{(x^2-1)(\sin(y))^2}$                     | P | S | ABI  | PLUS  |
| 8878 | 6258 | 1 | $-\frac{(\sin(y))^2}{x^2-1}$                        | P | S | ABI  | MINUS |
| 8879 | 6259 | 1 | $(-x^2+1)^{3/2}(\sin(y))^3$                         | P | S | K    | PLUS  |
| 8880 | 6260 | 1 | $\frac{(-x^2+1)^{3/2}}{(\sin(y))^3}$                | P | S | K    | MINUS |
| 8881 | 6261 | 1 | $\frac{1}{(-x^2+1)^{3/2}(\sin(y))^3}$               | P | S | KI   | PLUS  |
| 8882 | 6262 | 1 | $\frac{(\sin(y))^3}{(-x^2+1)^{3/2}}$                | P | S | KI   | MINUS |
| 8883 | 6263 | 1 | $e^{\sqrt{-x^2+1}\sin(y)}$                          | P | S | LL   | PLUS  |
| 8884 | 6264 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\sin(y)}}$                 | P | S | LL   | MINUS |
| 8885 | 6265 | 1 | $LOG(\sqrt{-x^2+1}\sin(y))$                         | P | S | L    | PLUS  |
| 8886 | 6266 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\sin(y)}\right)$     | P | S | L    | MINUS |
| 8887 | 6267 | 1 | $\arcsin(\sqrt{-x^2+1}\sin(y))$                     | P | S | S    | PLUS  |
| 8888 | 6268 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\sin(y)}\right)$ | P | S | S    | MINUS |
| 8889 | 6269 | 1 | $\arctan(\sqrt{-x^2+1}\sin(y))$                     | P | S | T    | PLUS  |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 8890 | 6270 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\sin(y)}\right)$  | P | S | T   | MINUS |
| 8891 | 6271 | 1 | $\sqrt{-(\cos(y))^2 x^2 + (\cos(y))^2 + x^2}$  | P | S | P   | PLUS  |
| 8892 | 6271 | 2 |  | H | S | H   | PLUS  |
| 8893 | 6272 | 1 | $\sqrt{-\frac{(\cos(y))^2 - x^2}{(\sin(y))^2}}$  | P | S | P   | MINUS |
| 8894 | 6272 | 2 |  | H | S | H   | MINUS |
| 8895 | 6273 | 1 | $\sqrt{(\cos(y))^2 x^2 - (\cos(y))^2 - x^2 + 2}$   | P | S | H   | PLUS  |
| 8896 | 6273 | 2 |  | H | S | P   | PLUS  |
| 8897 | 6274 | 1 | $\sqrt{\frac{(\sin(y))^2 - x^2 + 1}{(\sin(y))^2}}$   | P | S | H   | MINUS |
| 8898 | 6274 | 2 |  | H | S | P   | MINUS |
| 8899 | 6275 | 1 | $1/2 e^{\sqrt{-x^2+1} \sin(y)} - 1/2 e^{-\sqrt{-x^2+1} \sin(y)}$   | P | S | SH  | PLUS  |
| 8900 | 6276 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sin(y)}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sin(y)}}$                                       | P | S | SH  | MINUS |
| 8901 | 6277 | 1 | $1/2 e^{\sqrt{-x^2+1} \sin(y)} + 1/2 e^{-\sqrt{-x^2+1} \sin(y)}$   | P | S | CH  | PLUS  |
| 8902 | 6278 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sin(y)}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sin(y)}}$                                       | P | S | CH  | MINUS |
| 8903 | 6279 | 1 | $\frac{e^2 \sqrt{-x^2+1} \sin(y) - 1}{e^2 \sqrt{-x^2+1} \sin(y) + 1}$  | P | S | TH  | PLUS  |
| 8904 | 6280 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{\sin(y)}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{\sin(y)}} + 1 \right)^{-1}$ | P | S | TH  | MINUS |
| 8905 | 6281 | 1 | $\sqrt{-x^2+1} \tan(y)$  | P | T | CD  | PLUS  |
| 8906 | 6282 | 1 | $\frac{\sqrt{-x^2+1}}{\tan(y)}$  | P | T | CD  | MINUS |
| 8907 | 6283 | 1 | $\frac{1}{\sqrt{-x^2+1} \tan(y)}$  | P | T | CDI | PLUS  |
| 8908 | 6284 | 1 | $\frac{\tan(y)}{\sqrt{-x^2+1}}$  | P | T | CDI | MINUS |
| 8909 | 6285 | 1 | $\sqrt{-x^2+1} \tan(y) \pi$  | P | T | CDF | PLUS  |
| 8910 | 6286 | 1 | $\frac{\sqrt{-x^2+1} \pi}{\tan(y)}$  | P | T | CDF | MINUS |

|      |      |   |   |   |   |      |       |
|------|------|---|---|---|---|------|-------|
| 8911 | 6287 | 1 | $\frac{1}{\sqrt{-x^2+1}\tan(y)\pi}$                 | P | T | CDIF | PLUS  |
| 8912 | 6288 | 1 | $\frac{\tan(y)}{\sqrt{-x^2+1}\pi}$                  | P | T | CDIF | MINUS |
| 8913 | 6289 | 1 | $(-x^2+1)(\tan(y))^2$                               | P | T | AB   | PLUS  |
| 8914 | 6290 | 1 | $\frac{-x^2+1}{(\tan(y))^2}$                        | P | T | AB   | MINUS |
| 8915 | 6291 | 1 | $\sqrt{\sqrt{-x^2+1}\tan(y)}$                       | P | T | W    | PLUS  |
| 8916 | 6292 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\tan(y)}}$              | P | T | W    | MINUS |
| 8917 | 6293 | 1 | $-\frac{1}{(x^2-1)(\tan(y))^2}$                     | P | T | ABI  | PLUS  |
| 8918 | 6294 | 1 | $-\frac{(\tan(y))^2}{x^2-1}$                        | P | T | ABI  | MINUS |
| 8919 | 6295 | 1 | $(-x^2+1)^{3/2}(\tan(y))^3$                         | P | T | K    | PLUS  |
| 8920 | 6296 | 1 | $\frac{(-x^2+1)^{3/2}}{(\tan(y))^3}$                | P | T | K    | MINUS |
| 8921 | 6297 | 1 | $\frac{1}{(-x^2+1)^{3/2}(\tan(y))^3}$               | P | T | KI   | PLUS  |
| 8922 | 6298 | 1 | $\frac{(\tan(y))^3}{(-x^2+1)^{3/2}}$                | P | T | KI   | MINUS |
| 8923 | 6299 | 1 | $e^{\sqrt{-x^2+1}\tan(y)}$                          | P | T | LL   | PLUS  |
| 8924 | 6300 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\tan(y)}}$                 | P | T | LL   | MINUS |
| 8925 | 6301 | 1 | $LOG(\sqrt{-x^2+1}\tan(y))$                         | P | T | L    | PLUS  |
| 8926 | 6302 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\tan(y)}\right)$     | P | T | L    | MINUS |
| 8927 | 6303 | 1 | $\arcsin(\sqrt{-x^2+1}\tan(y))$                     | P | T | S    | PLUS  |
| 8928 | 6304 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\tan(y)}\right)$ | P | T | S    | MINUS |
| 8929 | 6305 | 1 | $\arctan(\sqrt{-x^2+1}\tan(y))$                     | P | T | T    | PLUS  |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 8930 | 6306 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\tan(y)}\right)$  | P | T | T   | MINUS |
| 8931 | 6307 | 1 | $\sqrt{-\frac{(\cos(y))^2 x^2 - 2(\cos(y))^2 - x^2 + 1}{(\cos(y))^2}}$   | P | T | P   | PLUS  |
| 8932 | 6307 | 2 |  | H | T | H   | PLUS  |
| 8933 | 6308 | 1 | $\sqrt{\frac{(\tan(y))^2 + x^2 - 1}{(\tan(y))^2}}$   | P | T | P   | MINUS |
| 8934 | 6308 | 2 |  | H | T | H   | MINUS |
| 8935 | 6309 | 1 | $\sqrt{\frac{(\cos(y))^2 x^2 - x^2 + 1}{(\cos(y))^2}}$   | P | T | H   | PLUS  |
| 8936 | 6309 | 2 |  | H | T | P   | PLUS  |
| 8937 | 6310 | 1 | $\sqrt{-\frac{(\cos(y))^2 x^2 - 1}{(\sin(y))^2}}$  | P | T | H   | MINUS |
| 8938 | 6310 | 2 |  | H | T | P   | MINUS |
| 8939 | 6311 | 1 | $1/2 e^{\sqrt{-x^2+1} \tan(y)} - 1/2 e^{-\sqrt{-x^2+1} \tan(y)}$   | P | T | SH  | PLUS  |
| 8940 | 6312 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\tan(y)}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{\tan(y)}}$                                       | P | T | SH  | MINUS |
| 8941 | 6313 | 1 | $1/2 e^{\sqrt{-x^2+1} \tan(y)} + 1/2 e^{-\sqrt{-x^2+1} \tan(y)}$   | P | T | CH  | PLUS  |
| 8942 | 6314 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\tan(y)}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\tan(y)}}$                                       | P | T | CH  | MINUS |
| 8943 | 6315 | 1 | $\frac{e^2 \sqrt{-x^2+1} \tan(y) - 1}{e^2 \sqrt{-x^2+1} \tan(y) + 1}$  | P | T | TH  | PLUS  |
| 8944 | 6316 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{\tan(y)}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{\tan(y)}} + 1 \right)^{-1}$ | P | T | TH  | MINUS |
| 8945 | 6317 | 1 | $\sqrt{-x^2+1} \sqrt{-y^2+1}$  | P | P | CD  | PLUS  |
| 8946 | 6318 | 1 | $\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}$  | P | P | CD  | MINUS |
| 8947 | 6319 | 1 | $\frac{1}{\sqrt{-x^2+1} \sqrt{-y^2+1}}$  | P | P | CDI | PLUS  |
| 8948 | 6320 | 1 | $\frac{\sqrt{-y^2+1}}{\sqrt{-x^2+1}}$  | P | P | CDI | MINUS |
| 8949 | 6321 | 1 | $\sqrt{-x^2+1} \sqrt{-y^2+1} \pi$  | P | P | CDF | PLUS  |
| 8950 | 6322 | 1 | $\frac{\sqrt{-x^2+1} \pi}{\sqrt{-y^2+1}}$  | P | P | CDF | MINUS |

|      |      |   |   |   |   |      |       |
|------|------|---|---|---|---|------|-------|
| 8951 | 6323 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt{-y^2+1}\pi}$             | P | P | CDIF | PLUS  |
| 8952 | 6324 | 1 | $\frac{\sqrt{-y^2+1}}{\sqrt{-x^2+1}\pi}$              | P | P | CDIF | MINUS |
| 8953 | 6325 | 1 | $(x^2-1)(y^2-1)$                                      | P | P | AB   | PLUS  |
| 8954 | 6325 | 2 |   | H | H | AB   | PLUS  |
| 8955 | 6326 | 1 | $\frac{x^2-1}{y^2-1}$                                 | P | P | AB   | MINUS |
| 8956 | 6326 | 2 |   | H | H | AB   | MINUS |
| 8957 | 6327 | 1 | $\sqrt{\sqrt{-x^2+1}\sqrt{-y^2+1}}$                   | P | P | W    | PLUS  |
| 8958 | 6328 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}}$          | P | P | W    | MINUS |
| 8959 | 6329 | 1 | $\frac{1}{(x^2-1)(y^2-1)}$                            | P | P | ABI  | PLUS  |
| 8960 | 6329 | 2 |   | H | H | ABI  | PLUS  |
| 8961 | 6330 | 1 | $\frac{y^2-1}{x^2-1}$                                 | P | P | ABI  | MINUS |
| 8962 | 6330 | 2 |   | H | H | ABI  | MINUS |
| 8963 | 6331 | 1 | $(-x^2+1)^{3/2}(-y^2+1)^{3/2}$                        | P | P | K    | PLUS  |
| 8964 | 6332 | 1 | $\frac{(-x^2+1)^{3/2}}{(-y^2+1)^{3/2}}$               | P | P | K    | MINUS |
| 8965 | 6333 | 1 | $\frac{1}{(-x^2+1)^{3/2}(-y^2+1)^{3/2}}$              | P | P | KI   | PLUS  |
| 8966 | 6334 | 1 | $\frac{(-y^2+1)^{3/2}}{(-x^2+1)^{3/2}}$               | P | P | KI   | MINUS |
| 8967 | 6335 | 1 | $e^{\sqrt{-x^2+1}\sqrt{-y^2+1}}$                      | P | P | LL   | PLUS  |
| 8968 | 6336 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}}$             | P | P | LL   | MINUS |
| 8969 | 6337 | 1 | $LOG\left(\sqrt{-x^2+1}\sqrt{-y^2+1}\right)$          | P | P | L    | PLUS  |
| 8970 | 6338 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}\right)$ | P | P | L    | MINUS |
| 8971 | 6339 | 1 | $\arcsin\left(\sqrt{-x^2+1}\sqrt{-y^2+1}\right)$      | P | P | S    | PLUS  |

|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 8972 | 6340 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}\right)$  | P | P | S  | MINUS |
| 8973 | 6341 | 1 | $\arctan\left(\sqrt{-x^2+1}\sqrt{-y^2+1}\right)$   | P | P | T  | PLUS  |
| 8974 | 6342 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}\right)$  | P | P | T  | MINUS |
| 8975 | 6343 | 1 | $\sqrt{-x^2y^2+x^2+y^2}$   | P | P | P  | PLUS  |
| 8976 | 6343 | 2 |  | P | H | H  | PLUS  |
| 8977 | 6343 | 3 |  | H | P | H  | PLUS  |
| 8978 | 6343 | 4 |  | H | H | P  | PLUS  |
| 8979 | 6344 | 1 | $\sqrt{-\frac{x^2-y^2}{y^2-1}}$  | P | P | P  | MINUS |
| 8980 | 6344 | 2 |  | P | H | H  | MINUS |
| 8981 | 6344 | 3 |  | H | P | H  | MINUS |
| 8982 | 6344 | 4 |  | H | H | P  | MINUS |
| 8983 | 6345 | 1 | $\sqrt{x^2y^2-x^2-y^2+2}$  | P | P | H  | PLUS  |
| 8984 | 6345 | 2 |  | P | H | P  | PLUS  |
| 8985 | 6345 | 3 |  | H | P | P  | PLUS  |
| 8986 | 6345 | 4 |  | H | H | H  | PLUS  |
| 8987 | 6346 | 1 | $\sqrt{\frac{x^2+y^2-2}{y^2-1}}$   | P | P | H  | MINUS |
| 8988 | 6346 | 2 |  | P | H | P  | MINUS |
| 8989 | 6346 | 3 |  | H | P | P  | MINUS |
| 8990 | 6346 | 4 |  | H | H | H  | MINUS |
| 8991 | 6347 | 1 | $1/2 e^{\sqrt{-x^2+1}\sqrt{-y^2+1}} - 1/2 e^{-\sqrt{-x^2+1}\sqrt{-y^2+1}}$   | P | P | SH | PLUS  |
| 8992 | 6348 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}}$                           | P | P | SH | MINUS |
| 8993 | 6349 | 1 | $1/2 e^{\sqrt{-x^2+1}\sqrt{-y^2+1}} + 1/2 e^{-\sqrt{-x^2+1}\sqrt{-y^2+1}}$   | P | P | CH | PLUS  |
| 8994 | 6350 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}}$                           | P | P | CH | MINUS |
| 8995 | 6351 | 1 | $\frac{e^{2\sqrt{-x^2+1}\sqrt{-y^2+1}}-1}{e^{2\sqrt{-x^2+1}\sqrt{-y^2+1}}+1}$  | P | P | TH | PLUS  |
| 8996 | 6352 | 1 | $1\left(e^{2\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}}-1\right)\left(e^{2\frac{\sqrt{-x^2+1}}{\sqrt{-y^2+1}}}+1\right)^{-1}$ | P | P | TH | MINUS |



|      |      |   |   |   |   |      |       |
|------|------|---|---|---|---|------|-------|
| 8997 | 6353 | 1 | $\sqrt{-x^2+1}\sqrt{y^2-1}$                 | P | H | CD   | PLUS  |
| 8998 | 6354 | 1 | $\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}$        | P | H | CD   | MINUS |
| 8999 | 6355 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt{y^2-1}}$       | P | H | CDI  | PLUS  |
| 9000 | 6356 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt{-x^2+1}}$        | P | H | CDI  | MINUS |
| 9001 | 6357 | 1 | $\sqrt{-x^2+1}\sqrt{y^2-1}\pi$              | P | H | CDF  | PLUS  |
| 9002 | 6358 | 1 | $\frac{\sqrt{-x^2+1}\pi}{\sqrt{y^2-1}}$     | P | H | CDF  | MINUS |
| 9003 | 6359 | 1 | $\frac{1}{\sqrt{-x^2+1}\sqrt{y^2-1}\pi}$    | P | H | CDIF | PLUS  |
| 9004 | 6360 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt{-x^2+1}\pi}$     | P | H | CDIF | MINUS |
| 9005 | 6361 | 1 | $-(x^2-1)(y^2-1)$                           | P | H | AB   | PLUS  |
| 9006 | 6361 | 2 |   | H | P | AB   | PLUS  |
| 9007 | 6362 | 1 | $\frac{-x^2+1}{y^2-1}$                      | P | H | AB   | MINUS |
| 9008 | 6362 | 2 |   | H | P | AB   | MINUS |
| 9009 | 6363 | 1 | $\sqrt{\sqrt{-x^2+1}\sqrt{y^2-1}}$          | P | H | W    | PLUS  |
| 9010 | 6364 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}}$ | P | H | W    | MINUS |
| 9011 | 6365 | 1 | $-\frac{1}{(x^2-1)(y^2-1)}$                 | P | H | ABI  | PLUS  |
| 9012 | 6365 | 2 |   | H | P | ABI  | PLUS  |
| 9013 | 6366 | 1 | $\frac{-y^2+1}{x^2-1}$                      | P | H | ABI  | MINUS |
| 9014 | 6366 | 2 |   | H | P | ABI  | MINUS |
| 9015 | 6367 | 1 | $(-x^2+1)^{3/2}(y^2-1)^{3/2}$               | P | H | K    | PLUS  |
| 9016 | 6368 | 1 | $\frac{(-x^2+1)^{3/2}}{(y^2-1)^{3/2}}$      | P | H | K    | MINUS |
| 9017 | 6369 | 1 | $\frac{1}{(-x^2+1)^{3/2}(y^2-1)^{3/2}}$     | P | H | KI   | PLUS  |

|      |      |   |  |   |    |    |       |
|------|------|---|--|---|----|----|-------|
| 9018 | 6370 | 1 | $\frac{(y^2-1)^{3/2}}{(-x^2+1)^{3/2}}$   | P | H  | KI | MINUS |
| 9019 | 6371 | 1 | $e^{\sqrt{-x^2+1}}\sqrt{y^2-1}$  | P | H  | LL | PLUS  |
| 9020 | 6372 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}}$   | P | H  | LL | MINUS |
| 9021 | 6373 | 1 | $LOG\left(\sqrt{-x^2+1}\sqrt{y^2-1}\right)$  | P | H  | L  | PLUS  |
| 9022 | 6374 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}\right)$   | P | H  | L  | MINUS |
| 9023 | 6375 | 1 | $\arcsin\left(\sqrt{-x^2+1}\sqrt{y^2-1}\right)$  | P | H  | S  | PLUS  |
| 9024 | 6376 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}\right)$   | P | H  | S  | MINUS |
| 9025 | 6377 | 1 | $\arctan\left(\sqrt{-x^2+1}\sqrt{y^2-1}\right)$  | P | H  | T  | PLUS  |
| 9026 | 6378 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}\right)$   | P | H  | T  | MINUS |
| 9027 | 6379 | 1 | $1/2 e^{\sqrt{-x^2+1}}\sqrt{y^2-1} - 1/2 e^{-\sqrt{-x^2+1}}\sqrt{y^2-1}$   | P | H  | SH | PLUS  |
| 9028 | 6380 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}}$                                       | P | H  | SH | MINUS |
| 9029 | 6381 | 1 | $1/2 e^{\sqrt{-x^2+1}}\sqrt{y^2-1} + 1/2 e^{-\sqrt{-x^2+1}}\sqrt{y^2-1}$   | P | H  | CH | PLUS  |
| 9030 | 6382 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}}$                                       | P | H  | CH | MINUS |
| 9031 | 6383 | 1 | $\frac{e^2 \sqrt{-x^2+1} \sqrt{y^2-1} - 1}{e^2 \sqrt{-x^2+1} \sqrt{y^2-1} + 1}$  | P | H  | TH | PLUS  |
| 9032 | 6384 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{\sqrt{y^2-1}}} + 1 \right)^{-1}$ | P | H  | TH | MINUS |
| 9033 | 6385 | 1 | $\sqrt{-x^2+1} \ln\left(y + \sqrt{y^2+1}\right)$   | P | SH | CD | PLUS  |
| 9034 | 6386 | 1 | $\frac{\sqrt{-x^2+1}}{\ln(y + \sqrt{y^2+1})}$  | P | SH | CD | MINUS |

|      |      |   |   |   |    |      |       |
|------|------|---|---|---|----|------|-------|
| 9035 | 6387 | 1 | $\frac{1}{\sqrt{-x^2+1} \ln(y+\sqrt{y^2+1})}$                   | P | SH | CDI  | PLUS  |
| 9036 | 6388 | 1 | $\frac{\ln(y+\sqrt{y^2+1})}{\sqrt{-x^2+1}}$                     | P | SH | CDI  | MINUS |
| 9037 | 6389 | 1 | $\sqrt{-x^2+1} \ln(y+\sqrt{y^2+1}) \pi$                         | P | SH | CDF  | PLUS  |
| 9038 | 6390 | 1 | $\frac{\sqrt{-x^2+1} \pi}{\ln(y+\sqrt{y^2+1})}$                 | P | SH | CDF  | MINUS |
| 9039 | 6391 | 1 | $\frac{1}{\sqrt{-x^2+1} \ln(y+\sqrt{y^2+1}) \pi}$               | P | SH | CDIF | PLUS  |
| 9040 | 6392 | 1 | $\frac{\ln(y+\sqrt{y^2+1})}{\sqrt{-x^2+1} \pi}$                 | P | SH | CDIF | MINUS |
| 9041 | 6393 | 1 | $(-x^2+1) \left( \ln(y+\sqrt{y^2+1}) \right)^2$                 | P | SH | AB   | PLUS  |
| 9042 | 6394 | 1 | $\frac{-x^2+1}{\left( \ln(y+\sqrt{y^2+1}) \right)^2}$           | P | SH | AB   | MINUS |
| 9043 | 6395 | 1 | $\sqrt{\sqrt{-x^2+1} \ln(y+\sqrt{y^2+1})}$                      | P | SH | W    | PLUS  |
| 9044 | 6396 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}}$              | P | SH | W    | MINUS |
| 9045 | 6397 | 1 | $-\frac{1}{(x^2-1) \left( \ln(y+\sqrt{y^2+1}) \right)^2}$       | P | SH | ABI  | PLUS  |
| 9046 | 6398 | 1 | $-\frac{\left( \ln(y+\sqrt{y^2+1}) \right)^2}{x^2-1}$           | P | SH | ABI  | MINUS |
| 9047 | 6399 | 1 | $(-x^2+1)^{3/2} \left( \ln(y+\sqrt{y^2+1}) \right)^3$           | P | SH | K    | PLUS  |
| 9048 | 6400 | 1 | $\frac{(-x^2+1)^{3/2}}{\left( \ln(y+\sqrt{y^2+1}) \right)^3}$   | P | SH | K    | MINUS |
| 9049 | 6401 | 1 | $\frac{1}{(-x^2+1)^{3/2} \left( \ln(y+\sqrt{y^2+1}) \right)^3}$ | P | SH | KI   | PLUS  |
| 9050 | 6402 | 1 | $\frac{\left( \ln(y+\sqrt{y^2+1}) \right)^3}{(-x^2+1)^{3/2}}$   | P | SH | KI   | MINUS |
| 9051 | 6403 | 1 | $\left( y+\sqrt{y^2+1} \right)^{\sqrt{-x^2+1}}$                 | P | SH | LL   | PLUS  |

|      |      |   |  |    |    |    |       |
|------|------|---|--|----|----|----|-------|
| 9052 | 6404 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}}$  | P  | SH | LL | MINUS |
| 9053 | 6405 | 1 | $LOG\left(\sqrt{-x^2+1}\ln\left(y+\sqrt{y^2+1}\right)\right)$  | P  | SH | L  | PLUS  |
| 9054 | 6406 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}\right)$  | P  | SH | L  | MINUS |
| 9055 | 6407 | 1 | $\arcsin\left(\sqrt{-x^2+1}\ln\left(y+\sqrt{y^2+1}\right)\right)$  | P  | SH | S  | PLUS  |
| 9056 | 6408 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}\right)$  | P  | SH | S  | MINUS |
| 9057 | 6409 | 1 | $\arctan\left(\sqrt{-x^2+1}\ln\left(y+\sqrt{y^2+1}\right)\right)$  | P  | SH | T  | PLUS  |
| 9058 | 6410 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}\right)$  | P  | SH | T  | MINUS |
| 9059 | 6411 | 1 | $\sqrt{x^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}+\mathfrak{SH}$  | P  | SH | P  | PLUS  |
| 9060 | 6411 | 2 | $\mathfrak{H}$   | H  | SH | H  | PLUS  |
| 9061 | 6412 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+x^2-1}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$     | P  | SH | P  | MINUS |
| 9062 | 6412 | 2 |  | H  | SH | H  | MINUS |
| 9063 | 6413 | 1 | $\sqrt{-x^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}-\mathfrak{SH}$ | H  | SH | H  | PLUS  |
| 9064 | 6413 | 2 | $\mathfrak{H}$   | H  | SH | P  | PLUS  |
| 9065 | 6414 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-x^2+1}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$     | P  | SH | H  | MINUS |
| 9066 | 6414 | 2 |  | H  | SH | P  | MINUS |
| 9067 | 6415 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt{-x^2+1}}-1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt{-x^2+1}}$                       | SH | SH | SH | PLUS  |
| 9068 | 6416 | 1 | $1/2e^{\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}}-1/2e^{-\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}}$                   | P  | SH | SH | MINUS |
| 9069 | 6417 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt{-x^2+1}}+1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt{-x^2+1}}$                       | SH | CH | SH | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9070 | 6418 | 1 | $1/2 e^{\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}} + 1/2 e^{-\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}}$                                       | P | SH | CH   | MINUS |
| 9071 | 6419 | 1 | $\frac{(y+\sqrt{y^2+1})^2 \sqrt{-x^2+1} - 1}{(y+\sqrt{y^2+1})^2 \sqrt{-x^2+1} + 1}$  | P | SH | TH   | PLUS  |
| 9072 | 6420 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2+1})}} + 1 \right)^{-1}$ | P | SH | TH   | MINUS |
| 9073 | 6421 | 1 | $\sqrt{-x^2+1} \ln(y + \sqrt{y^2-1})$  | P | CH | CD   | PLUS  |
| 9074 | 6422 | 1 | $\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2-1})}$  | P | CH | CD   | MINUS |
| 9075 | 6423 | 1 | $\frac{1}{\sqrt{-x^2+1} \ln(y+\sqrt{y^2-1})}$  | P | CH | CDI  | PLUS  |
| 9076 | 6424 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{-x^2+1}}$  | P | CH | CDI  | MINUS |
| 9077 | 6425 | 1 | $\sqrt{-x^2+1} \ln(y + \sqrt{y^2-1}) \pi$  | P | CH | CDF  | PLUS  |
| 9078 | 6426 | 1 | $\frac{\sqrt{-x^2+1} \pi}{\ln(y+\sqrt{y^2-1})}$  | P | CH | CDF  | MINUS |
| 9079 | 6427 | 1 | $\frac{1}{\sqrt{-x^2+1} \ln(y+\sqrt{y^2-1}) \pi}$  | P | CH | CDIF | PLUS  |
| 9080 | 6428 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{-x^2+1} \pi}$  | P | CH | CDIF | MINUS |
| 9081 | 6429 | 1 | $(-x^2+1) \left( \ln(y + \sqrt{y^2-1}) \right)^2$  | P | CH | AB   | PLUS  |
| 9082 | 6430 | 1 | $\frac{-x^2+1}{\left( \ln(y+\sqrt{y^2-1}) \right)^2}$  | P | CH | AB   | MINUS |
| 9083 | 6431 | 1 | $\sqrt{\sqrt{-x^2+1} \ln(y + \sqrt{y^2-1})}$   | P | CH | W    | PLUS  |
| 9084 | 6432 | 1 | $\sqrt{\frac{\sqrt{-x^2+1}}{\ln(y+\sqrt{y^2-1})}}$   | P | CH | W    | MINUS |
| 9085 | 6433 | 1 | $-\frac{1}{(x^2-1) \left( \ln(y+\sqrt{y^2-1}) \right)^2}$  | P | CH | ABI  | PLUS  |

|      |      |   |  |    |    |     |       |
|------|------|---|--|----|----|-----|-------|
| 9086 | 6434 | 1 | $-\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}{x^2-1}$   | P  | CH | ABI | MINUS |
| 9087 | 6435 | 1 | $\left(-x^2+1\right)^{3/2}\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3$   | P  | CH | K   | PLUS  |
| 9088 | 6436 | 1 | $\frac{\left(-x^2+1\right)^{3/2}}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}$                                  | P  | CH | K   | MINUS |
| 9089 | 6437 | 1 | $\frac{1}{\left(-x^2+1\right)^{3/2}\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}$                                 | P  | CH | KI  | PLUS  |
| 9090 | 6438 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}{\left(-x^2+1\right)^{3/2}}$                                  | P  | CH | KI  | MINUS |
| 9091 | 6439 | 1 | $\left(y+\sqrt{y^2-1}\right)^{\sqrt{-x^2+1}}$  | P  | CH | LL  | PLUS  |
| 9092 | 6440 | 1 | $e^{\frac{\sqrt{-x^2+1}}{\ln\left(y+\sqrt{y^2-1}\right)}}$   | P  | CH | LL  | MINUS |
| 9093 | 6441 | 1 | $LOG\left(\sqrt{-x^2+1}\ln\left(y+\sqrt{y^2-1}\right)\right)$  | P  | CH | L   | PLUS  |
| 9094 | 6442 | 1 | $LOG\left(\frac{\sqrt{-x^2+1}}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$   | P  | CH | L   | MINUS |
| 9095 | 6443 | 1 | $\arcsin\left(\sqrt{-x^2+1}\ln\left(y+\sqrt{y^2-1}\right)\right)$  | P  | CH | S   | PLUS  |
| 9096 | 6444 | 1 | $\arcsin\left(\frac{\sqrt{-x^2+1}}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$   | P  | CH | S   | MINUS |
| 9097 | 6445 | 1 | $\arctan\left(\sqrt{-x^2+1}\ln\left(y+\sqrt{y^2-1}\right)\right)$  | P  | CH | T   | PLUS  |
| 9098 | 6446 | 1 | $\arctan\left(\frac{\sqrt{-x^2+1}}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$   | P  | CH | T   | MINUS |
| 9099 | 6447 | 1 | $\sqrt{x^2\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2-\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}+1$          | CH | P  |     | PLUS  |
| 9100 | 6447 | 2 |  | H  | CH | H   | PLUS  |
| 9101 | 6448 | 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2+x^2-1}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}}$ | P  | CH | P   | MINUS |
| 9102 | 6448 | 2 |  | H  | CH | H   | MINUS |

|      |      |   |  |      |      |       |
|------|------|---|--|------|------|-------|
| 9103 | 6449 | 1 | $\sqrt{-x^2 \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 + \left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}$  | CH   | H    | PLUS  |
| 9104 | 6449 | 2 |  | H CH | P    | PLUS  |
| 9105 | 6450 | 1 | $\sqrt{\frac{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2 - x^2 + 1}{\left( \ln \left( y + \sqrt{y^2 - 1} \right) \right)^2}}$   | P CH | H    | MINUS |
| 9106 | 6450 | 2 |  | H CH | P    | MINUS |
| 9107 | 6451 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{\sqrt{-x^2 + 1}} - 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-\sqrt{-x^2 + 1}}$   | CH   | SH   | PLUS  |
| 9108 | 6452 | 1 | $1/2 e^{\frac{\sqrt{-x^2 + 1}}{\ln \left( y + \sqrt{y^2 - 1} \right)}} - 1/2 e^{-\frac{\sqrt{-x^2 + 1}}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$                                       | P CH | SH   | MINUS |
| 9109 | 6453 | 1 | $1/2 \left( y + \sqrt{y^2 - 1} \right)^{\sqrt{-x^2 + 1}} + 1/2 \left( y + \sqrt{y^2 - 1} \right)^{-\sqrt{-x^2 + 1}}$   | CH   | CH   | PLUS  |
| 9110 | 6454 | 1 | $1/2 e^{\frac{\sqrt{-x^2 + 1}}{\ln \left( y + \sqrt{y^2 - 1} \right)}} + 1/2 e^{-\frac{\sqrt{-x^2 + 1}}{\ln \left( y + \sqrt{y^2 - 1} \right)}}$                                       | P CH | CH   | MINUS |
| 9111 | 6455 | 1 | $\frac{\left( y + \sqrt{y^2 - 1} \right)^2 \sqrt{-x^2 + 1} - 1}{\left( y + \sqrt{y^2 - 1} \right)^2 \sqrt{-x^2 + 1} + 1}$  | P CH | TH   | PLUS  |
| 9112 | 6456 | 1 | $1 \left( e^{2 \frac{\sqrt{-x^2 + 1}}{\ln \left( y + \sqrt{y^2 - 1} \right)}} - 1 \right) \left( e^{2 \frac{\sqrt{-x^2 + 1}}{\ln \left( y + \sqrt{y^2 - 1} \right)}} + 1 \right)^{-1}$ | P CH | TH   | MINUS |
| 9113 | 6457 | 1 | $1/2 \sqrt{-x^2 + 1} \ln \left( \frac{-y-1}{y-1} \right)$  | P TH | CD   | PLUS  |
| 9114 | 6458 | 1 | $2 \sqrt{-x^2 + 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | P TH | CD   | MINUS |
| 9115 | 6459 | 1 | $2 \frac{1}{\sqrt{-x^2 + 1}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | P TH | CDI  | PLUS  |
| 9116 | 6460 | 1 | $1/2 \frac{1}{\sqrt{-x^2 + 1}} \ln \left( \frac{-y-1}{y-1} \right)$  | P TH | CDI  | MINUS |
| 9117 | 6461 | 1 | $1/2 \sqrt{-x^2 + 1} \ln \left( \frac{-y-1}{y-1} \right) \pi$  | P TH | CDF  | PLUS  |
| 9118 | 6462 | 1 | $2 \sqrt{-x^2 + 1} \pi \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | P TH | CDF  | MINUS |
| 9119 | 6463 | 1 | $2 \frac{1}{\sqrt{-x^2 + 1} \pi} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$  | P TH | CDIF | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9120 | 6464 | 1 | $1/2 \frac{1}{\sqrt{-x^2+1}\pi} \ln\left(\frac{-y-1}{y-1}\right)$                        | P | TH | CDIF | MINUS |
| 9121 | 6465 | 1 | $-1/4 (x^2 - 1) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$                         | P | TH | AB   | PLUS  |
| 9122 | 6466 | 1 | $(-4x^2 + 4) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$                         | P | TH | AB   | MINUS |
| 9123 | 6467 | 1 | $1/2 \sqrt{2} \sqrt{\sqrt{-x^2+1}} \ln\left(\frac{-y-1}{y-1}\right)$                     | P | TH | W    | PLUS  |
| 9124 | 6468 | 1 | $\sqrt{2} \sqrt{\sqrt{-x^2+1}} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$       | P | TH | W    | MINUS |
| 9125 | 6469 | 1 | $-4 \frac{1}{x^2-1} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$                  | P | TH | ABI  | PLUS  |
| 9126 | 6470 | 1 | $-\frac{1}{4x^2-4} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$                      | P | TH | ABI  | MINUS |
| 9127 | 6471 | 1 | $1/8 (-x^2 + 1)^{3/2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3$                   | P | TH | K    | PLUS  |
| 9128 | 6472 | 1 | $8 (-x^2 + 1)^{3/2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$                  | P | TH | K    | MINUS |
| 9129 | 6473 | 1 | $8 \frac{1}{(-x^2+1)^{3/2}} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$          | P | TH | KI   | PLUS  |
| 9130 | 6474 | 1 | $1/8 \frac{1}{(-x^2+1)^{3/2}} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3$           | P | TH | KI   | MINUS |
| 9131 | 6475 | 1 | $\left(-\frac{y+1}{y-1}\right)^{1/2 \sqrt{-x^2+1}}$                                      | P | TH | LL   | PLUS  |
| 9132 | 6476 | 1 | $e^{2 \sqrt{-x^2+1}} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$                 | P | TH | LL   | MINUS |
| 9133 | 6477 | 1 | $LOG\left(1/2 \sqrt{-x^2+1} \ln\left(\frac{-y-1}{y-1}\right)\right)$                     | P | TH | L    | PLUS  |
| 9134 | 6478 | 1 | $LOG\left(2 \sqrt{-x^2+1} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$     | P | TH | L    | MINUS |
| 9135 | 6479 | 1 | $\arcsin\left(1/2 \sqrt{-x^2+1} \ln\left(\frac{-y-1}{y-1}\right)\right)$                 | P | TH | S    | PLUS  |
| 9136 | 6480 | 1 | $\arcsin\left(2 \sqrt{-x^2+1} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$ | P | TH | S    | MINUS |



|      |      |   |  |   |     |       |       |
|------|------|---|--|---|-----|-------|-------|
| 9137 | 6481 | 1 | $\arctan\left(1/2\sqrt{-x^2+1}\ln\left(\frac{-y-1}{y-1}\right)\right)$   | P | TH  | T     | PLUS  |
| 9138 | 6482 | 1 | $\arctan\left(2\sqrt{-x^2+1}\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$   | P | TH  | T     | MINUS |
| 9139 | 6483 | 1 | $1/2\sqrt{4+(x^2-1)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2}$   | P | TH  | P     | PLUS  |
| 9140 | 6483 | 2 |  | H | TH  | H     | PLUS  |
| 9141 | 6484 | 1 | $\sqrt{1\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4x^2-4\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$  | P | TH  | P     | MINUS |
| 9142 | 6484 | 2 |  | H | TH  | H     | MINUS |
| 9143 | 6485 | 1 | $1/2\sqrt{-x^2\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2+4}$  | P | TH  | H     | PLUS  |
| 9144 | 6485 | 2 |  | H | TH  | P     | PLUS  |
| 9145 | 6486 | 1 | $\sqrt{1\left(\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2-4x^2+4\right)\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}}$  | P | TH  | H     | MINUS |
| 9146 | 6486 | 2 |  | H | TH  | P     | MINUS |
| 9147 | 6487 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{-x^2+1}}-1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{-x^2+1}}$   | P | TH  | SH    | PLUS  |
| 9148 | 6488 | 1 | $1/2e^{2\sqrt{-x^2+1}(\ln(\frac{-y-1}{y-1}))^{-1}}-1/2e^{-2\sqrt{-x^2+1}(\ln(\frac{-y-1}{y-1}))^{-1}}$   | P | TH  | SH    | MINUS |
| 9149 | 6489 | 1 | $1/2\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{-x^2+1}}+1/2\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{-x^2+1}}$   | P | TH  | CH    | PLUS  |
| 9150 | 6490 | 1 | $1/2e^{2\sqrt{-x^2+1}(\ln(\frac{-y-1}{y-1}))^{-1}}+1/2e^{-2\sqrt{-x^2+1}(\ln(\frac{-y-1}{y-1}))^{-1}}$   | P | TH  | CH    | MINUS |
| 9151 | 6491 | 1 | $1\left(-\left(\frac{-y-1}{y-1}\right)^{-1/2\sqrt{-x^2+1}}+\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{-x^2+1}}\right)\left(\left(\frac{-y-1}{y-1}\right)^{1/2\sqrt{-x^2+1}}\right)^{-1/2\sqrt{-x^2+1}}$ | P | TH  | PLUS  |       |
| 9152 | 6492 | 1 | $1\left(e^{4\sqrt{-x^2+1}(\ln(\frac{-y-1}{y-1}))^{-1}}-1\right)\left(e^{4\sqrt{-x^2+1}(\ln(\frac{-y-1}{y-1}))^{-1}}\right)^{-1}$   | P | TH  | MINUS |       |
| 9153 | 6493 | 1 | $\sqrt{x^2-1}y$  | H | CD  | CD    | PLUS  |
| 9154 | 6493 | 2 |  | H | CDI | CD    | MINUS |
| 9155 | 6493 | 3 |  | H | CDF | CDF   | PLUS  |
| 9156 | 6494 | 1 | $\frac{\sqrt{x^2-1}}{y}$   | H | CD  | CD    | MINUS |

|      |      |   |                                 |   |      |      |       |
|------|------|---|---------------------------------|---|------|------|-------|
| 9157 | 6494 | 2 |                                 | H | CDI  | CD   | PLUS  |
| 9158 | 6494 | 3 |                                 | H | CDIF | CDF  | PLUS  |
| 9159 | 6495 | 1 | $\frac{1}{\sqrt{x^2-1}y}$       | H | CD   | CDI  | PLUS  |
| 9160 | 6495 | 2 |                                 | H | CDI  | CDI  | MINUS |
| 9161 | 6495 | 3 |                                 | H | CDF  | CDIF | PLUS  |
| 9162 | 6496 | 1 | $\frac{y}{\sqrt{x^2-1}}$        | H | CD   | CDI  | MINUS |
| 9163 | 6496 | 2 |                                 | H | CDI  | CDI  | PLUS  |
| 9164 | 6496 | 3 |                                 | H | CDIF | CDIF | PLUS  |
| 9165 | 6497 | 1 | $\sqrt{x^2-1}y\pi$              | H | CD   | CDF  | PLUS  |
| 9166 | 6497 | 2 |                                 | H | CDI  | CDF  | MINUS |
| 9167 | 6497 | 3 |                                 | H | CDIF | CD   | MINUS |
| 9168 | 6498 | 1 | $\frac{\sqrt{x^2-1}\pi}{y}$     | H | CD   | CDF  | MINUS |
| 9169 | 6498 | 2 |                                 | H | CDI  | CDF  | PLUS  |
| 9170 | 6498 | 3 |                                 | H | CDF  | CD   | MINUS |
| 9171 | 6499 | 1 | $\frac{1}{\sqrt{x^2-1}y\pi}$    | H | CD   | CDIF | PLUS  |
| 9172 | 6499 | 2 |                                 | H | CDI  | CDIF | MINUS |
| 9173 | 6499 | 3 |                                 | H | CDIF | CDI  | MINUS |
| 9174 | 6500 | 1 | $\frac{y}{\sqrt{x^2-1}\pi}$     | H | CD   | CDIF | MINUS |
| 9175 | 6500 | 2 |                                 | H | CDI  | CDIF | PLUS  |
| 9176 | 6500 | 3 |                                 | H | CDF  | CDI  | MINUS |
| 9177 | 6501 | 1 | $(x^2-1)y^2$                    | H | CD   | AB   | PLUS  |
| 9178 | 6501 | 2 |                                 | H | CDI  | AB   | MINUS |
| 9179 | 6502 | 1 | $\frac{x^2-1}{y^2}$             | H | CD   | AB   | MINUS |
| 9180 | 6502 | 2 |                                 | H | CDI  | AB   | PLUS  |
| 9181 | 6503 | 1 | $\sqrt{\sqrt{x^2-1}y}$          | H | CD   | W    | PLUS  |
| 9182 | 6503 | 2 |                                 | H | CDI  | W    | MINUS |
| 9183 | 6504 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{y}}$ | H | CD   | W    | MINUS |
| 9184 | 6504 | 2 |                                 | H | CDI  | W    | PLUS  |
| 9185 | 6505 | 1 | $\frac{1}{(x^2-1)y^2}$          | H | CD   | ABI  | PLUS  |
| 9186 | 6505 | 2 |                                 | H | CDI  | ABI  | MINUS |
| 9187 | 6506 | 1 | $\frac{y^2}{x^2-1}$             | H | CD   | ABI  | MINUS |

|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 9188 | 6506 | 2 |  | H | CDI | ABI | PLUS  |
| 9189 | 6507 | 1 | $(x^2 - 1)^{3/2} y^3$                                | H | CD  | K   | PLUS  |
| 9190 | 6507 | 2 |  | H | CDI | K   | MINUS |
| 9191 | 6508 | 1 | $\frac{(x^2 - 1)^{3/2}}{y^3}$                        | H | CD  | K   | MINUS |
| 9192 | 6508 | 2 |  | H | CDI | K   | PLUS  |
| 9193 | 6509 | 1 | $\frac{1}{(x^2 - 1)^{3/2} y^3}$                      | H | CD  | KI  | PLUS  |
| 9194 | 6509 | 2 |  | H | CDI | KI  | MINUS |
| 9195 | 6510 | 1 | $\frac{y^3}{(x^2 - 1)^{3/2}}$                        | H | CD  | KI  | MINUS |
| 9196 | 6510 | 2 |  | H | CDI | KI  | PLUS  |
| 9197 | 6511 | 1 | $e^{\sqrt{x^2 - 1}y}$                                | H | CD  | LL  | PLUS  |
| 9198 | 6511 | 2 |  | H | CDI | LL  | MINUS |
| 9199 | 6512 | 1 | $e^{\frac{\sqrt{x^2 - 1}}{y}}$                       | H | CD  | LL  | MINUS |
| 9200 | 6512 | 2 |  | H | CDI | LL  | PLUS  |
| 9201 | 6513 | 1 | $LOG(\sqrt{x^2 - 1}y)$                               | H | CD  | L   | PLUS  |
| 9202 | 6513 | 2 |  | H | CDI | L   | MINUS |
| 9203 | 6514 | 1 | $LOG\left(\frac{\sqrt{x^2 - 1}}{y}\right)$           | H | CD  | L   | MINUS |
| 9204 | 6514 | 2 |  | H | CDI | L   | PLUS  |
| 9205 | 6515 | 1 | $\arcsin(\sqrt{x^2 - 1}y)$                           | H | CD  | S   | PLUS  |
| 9206 | 6515 | 2 |  | H | CDI | S   | MINUS |
| 9207 | 6516 | 1 | $\arcsin\left(\frac{\sqrt{x^2 - 1}}{y}\right)$       | H | CD  | S   | MINUS |
| 9208 | 6516 | 2 |  | H | CDI | S   | PLUS  |
| 9209 | 6517 | 1 | $\arctan(\sqrt{x^2 - 1}y)$                           | H | CD  | T   | PLUS  |
| 9210 | 6517 | 2 |  | H | CDI | T   | MINUS |
| 9211 | 6518 | 1 | $\arctan\left(\frac{\sqrt{x^2 - 1}}{y}\right)$       | H | CD  | T   | MINUS |
| 9212 | 6518 | 2 |  | H | CDI | T   | PLUS  |
| 9213 | 6519 | 1 | $1/2 e^{\sqrt{x^2 - 1}y} - 1/2 e^{-\sqrt{x^2 - 1}y}$ | H | CD  | SH  | PLUS  |
| 9214 | 6519 | 2 |  | H | CDI | SH  | MINUS |

|      |      |   |  |   |     |      |       |
|------|------|---|--|---|-----|------|-------|
| 9215 | 6520 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{y}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{y}}$                                       | H | CD  | SH   | MINUS |
| 9216 | 6520 | 2 |  | H | CDI | SH   | PLUS  |
| 9217 | 6521 | 1 | $1/2 e^{\sqrt{x^2-1}y} + 1/2 e^{-\sqrt{x^2-1}y}$   | H | CD  | CH   | PLUS  |
| 9218 | 6521 | 2 |  | H | CDI | CH   | MINUS |
| 9219 | 6522 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{y}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{y}}$                                       | H | CD  | CH   | MINUS |
| 9220 | 6522 | 2 |  | H | CDI | CH   | PLUS  |
| 9221 | 6523 | 1 | $\frac{e^2 \sqrt{x^2-1}y - 1}{e^2 \sqrt{x^2-1}y + 1}$  | H | CD  | TH   | PLUS  |
| 9222 | 6523 | 2 |  | H | CDI | TH   | MINUS |
| 9223 | 6524 | 1 | $1 \left( e^{2 \frac{\sqrt{x^2-1}}{y}} - 1 \right) \left( e^{2 \frac{\sqrt{x^2-1}}{y}} + 1 \right)^{-1}$ | H | CD  | TH   | MINUS |
| 9224 | 6524 | 2 |  | H | CDI | TH   | PLUS  |
| 9225 | 6525 | 1 | $\frac{\sqrt{x^2-1}y}{\pi}$  | H | CDF | CD   | PLUS  |
| 9226 | 6526 | 1 | $\frac{\pi}{\sqrt{x^2-1}y}$  | H | CDF | CDI  | PLUS  |
| 9227 | 6527 | 1 | $\frac{\sqrt{x^2-1}\pi^2}{y}$  | H | CDF | CDF  | MINUS |
| 9228 | 6528 | 1 | $\frac{y}{\sqrt{x^2-1}\pi^2}$  | H | CDF | CDIF | MINUS |
| 9229 | 6529 | 1 | $\frac{(x^2-1)y^2}{\pi^2}$   | H | CDF | AB   | PLUS  |
| 9230 | 6530 | 1 | $\frac{(x^2-1)\pi^2}{y^2}$   | H | CDF | AB   | MINUS |
| 9231 | 6531 | 1 | $\sqrt{\frac{\sqrt{x^2-1}y}{\pi}}$   | H | CDF | W    | PLUS  |
| 9232 | 6532 | 1 | $\sqrt{\frac{\sqrt{x^2-1}\pi}{y}}$   | H | CDF | W    | MINUS |
| 9233 | 6533 | 1 | $\frac{\pi^2}{(x^2-1)y^2}$   | H | CDF | ABI  | PLUS  |
| 9234 | 6534 | 1 | $\frac{y^2}{(x^2-1)\pi^2}$   | H | CDF | ABI  | MINUS |
| 9235 | 6535 | 1 | $\frac{(x^2-1)^{3/2}y^3}{\pi^3}$   | H | CDF | K    | PLUS  |
| 9236 | 6536 | 1 | $\frac{(x^2-1)^{3/2}\pi^3}{y^3}$   | H | CDF | K    | MINUS |

|      |      |   |  |   |      |     |       |
|------|------|---|--|---|------|-----|-------|
| 9237 | 6537 | 1 | $\frac{\pi^3}{(x^2-1)^{3/2}y^3}$   | H | CDF  | KI  | PLUS  |
| 9238 | 6538 | 1 | $\frac{y^3}{(x^2-1)^{3/2}\pi^3}$   | H | CDF  | KI  | MINUS |
| 9239 | 6539 | 1 | $e^{\frac{\sqrt{x^2-1}y}{\pi}}$  | H | CDF  | LL  | PLUS  |
| 9240 | 6540 | 1 | $e^{\frac{\sqrt{x^2-1}\pi}{y}}$  | H | CDF  | LL  | MINUS |
| 9241 | 6541 | 1 | $LOG\left(\frac{\sqrt{x^2-1}y}{\pi}\right)$  | H | CDF  | L   | PLUS  |
| 9242 | 6542 | 1 | $LOG\left(\frac{\sqrt{x^2-1}\pi}{y}\right)$  | H | CDF  | L   | MINUS |
| 9243 | 6543 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}y}{\pi}\right)$  | H | CDF  | S   | PLUS  |
| 9244 | 6544 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}\pi}{y}\right)$  | H | CDF  | S   | MINUS |
| 9245 | 6545 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}y}{\pi}\right)$  | H | CDF  | T   | PLUS  |
| 9246 | 6546 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}\pi}{y}\right)$  | H | CDF  | T   | MINUS |
| 9247 | 6547 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}y}{\pi}} - 1/2 e^{-\frac{\sqrt{x^2-1}y}{\pi}}$                               | H | CDF  | SH  | PLUS  |
| 9248 | 6548 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}\pi}{y}} - 1/2 e^{-\frac{\sqrt{x^2-1}\pi}{y}}$                               | H | CDF  | SH  | MINUS |
| 9249 | 6549 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}y}{\pi}} + 1/2 e^{-\frac{\sqrt{x^2-1}y}{\pi}}$                               | H | CDF  | CH  | PLUS  |
| 9250 | 6550 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}\pi}{y}} + 1/2 e^{-\frac{\sqrt{x^2-1}\pi}{y}}$                               | H | CDF  | CH  | MINUS |
| 9251 | 6551 | 1 | $1\left(e^{2\frac{\sqrt{x^2-1}y}{\pi}} - 1\right)\left(e^{2\frac{\sqrt{x^2-1}y}{\pi}} + 1\right)^{-1}$ | H | CDF  | TH  | PLUS  |
| 9252 | 6552 | 1 | $1\left(e^{2\frac{\sqrt{x^2-1}\pi}{y}} - 1\right)\left(e^{2\frac{\sqrt{x^2-1}\pi}{y}} + 1\right)^{-1}$ | H | CDF  | TH  | MINUS |
| 9253 | 6553 | 1 | $\frac{\sqrt{x^2-1}}{y\pi}$  | H | CDIF | CD  | PLUS  |
| 9254 | 6554 | 1 | $\frac{y\pi}{\sqrt{x^2-1}}$  | H | CDIF | CDI | PLUS  |

|      |      |   |   |   |      |      |       |
|------|------|---|---|---|------|------|-------|
| 9255 | 6555 | 1 | $\sqrt{x^2-1}y\pi^2$                            | H | CDIF | CDF  | MINUS |
| 9256 | 6556 | 1 | $\frac{1}{\sqrt{x^2-1}y\pi^2}$                  | H | CDIF | CDIF | MINUS |
| 9257 | 6557 | 1 | $\frac{x^2-1}{y^2\pi^2}$                        | H | CDIF | AB   | PLUS  |
| 9258 | 6558 | 1 | $(x^2-1)y^2\pi^2$                               | H | CDIF | AB   | MINUS |
| 9259 | 6559 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{y\pi}}$              | H | CDIF | W    | PLUS  |
| 9260 | 6560 | 1 | $\sqrt{\sqrt{x^2-1}y\pi}$                       | H | CDIF | W    | MINUS |
| 9261 | 6561 | 1 | $\frac{y^2\pi^2}{x^2-1}$                        | H | CDIF | ABI  | PLUS  |
| 9262 | 6562 | 1 | $\frac{1}{(x^2-1)y^2\pi^2}$                     | H | CDIF | ABI  | MINUS |
| 9263 | 6563 | 1 | $\frac{(x^2-1)^{3/2}}{y^3\pi^3}$                | H | CDIF | K    | PLUS  |
| 9264 | 6564 | 1 | $(x^2-1)^{3/2}y^3\pi^3$                         | H | CDIF | K    | MINUS |
| 9265 | 6565 | 1 | $\frac{y^3\pi^3}{(x^2-1)^{3/2}}$                | H | CDIF | KI   | PLUS  |
| 9266 | 6566 | 1 | $\frac{1}{(x^2-1)^{3/2}y^3\pi^3}$               | H | CDIF | KI   | MINUS |
| 9267 | 6567 | 1 | $e^{\frac{\sqrt{x^2-1}}{y\pi}}$                 | H | CDIF | LL   | PLUS  |
| 9268 | 6568 | 1 | $e^{\sqrt{x^2-1}y\pi}$                          | H | CDIF | LL   | MINUS |
| 9269 | 6569 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{y\pi}\right)$     | H | CDIF | L    | PLUS  |
| 9270 | 6570 | 1 | $LOG(\sqrt{x^2-1}y\pi)$                         | H | CDIF | L    | MINUS |
| 9271 | 6571 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{y\pi}\right)$ | H | CDIF | S    | PLUS  |
| 9272 | 6572 | 1 | $\arcsin(\sqrt{x^2-1}y\pi)$                     | H | CDIF | S    | MINUS |
| 9273 | 6573 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{y\pi}\right)$ | H | CDIF | T    | PLUS  |
| 9274 | 6574 | 1 | $\arctan(\sqrt{x^2-1}y\pi)$                     | H | CDIF | T    | MINUS |

|      |      |   |  |   |      |      |       |
|------|------|---|--|---|------|------|-------|
| 9275 | 6575 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{y\pi}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{y\pi}}$                                     | H | CDIF | SH   | PLUS  |
| 9276 | 6576 | 1 | $1/2 e^{\sqrt{x^2-1}y\pi} - 1/2 e^{-\sqrt{x^2-1}y\pi}$   | H | CDIF | SH   | MINUS |
| 9277 | 6577 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{y\pi}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{y\pi}}$                                     | H | CDIF | CH   | PLUS  |
| 9278 | 6578 | 1 | $1/2 e^{\sqrt{x^2-1}y\pi} + 1/2 e^{-\sqrt{x^2-1}y\pi}$   | H | CDIF | CH   | MINUS |
| 9279 | 6579 | 1 | $1 \left( e^{2\frac{\sqrt{x^2-1}}{y\pi}} - 1 \right) \left( e^{2\frac{\sqrt{x^2-1}}{y\pi}} + 1 \right)^{-1}$ | H | CDIF | TH   | PLUS  |
| 9280 | 6580 | 1 | $\frac{e^{2\sqrt{x^2-1}y\pi} - 1}{e^{2\sqrt{x^2-1}y\pi} + 1}$  | H | CDIF | TH   | MINUS |
| 9281 | 6581 | 1 | $\sqrt{x^2-1}\sqrt{y}$   | H | AB   | CD   | PLUS  |
| 9282 | 6581 | 2 |  | H | ABI  | CD   | MINUS |
| 9283 | 6582 | 1 | $\frac{\sqrt{x^2-1}}{\sqrt{y}}$  | H | AB   | CD   | MINUS |
| 9284 | 6582 | 2 |  | H | ABI  | CD   | PLUS  |
| 9285 | 6583 | 1 | $\frac{1}{\sqrt{x^2-1}\sqrt{y}}$   | H | AB   | CDI  | PLUS  |
| 9286 | 6583 | 2 |  | H | ABI  | CDI  | MINUS |
| 9287 | 6584 | 1 | $\frac{\sqrt{y}}{\sqrt{x^2-1}}$  | H | AB   | CDI  | MINUS |
| 9288 | 6584 | 2 |  | H | ABI  | CDI  | PLUS  |
| 9289 | 6585 | 1 | $\sqrt{x^2-1}\sqrt{y}\pi$  | H | AB   | CDF  | PLUS  |
| 9290 | 6585 | 2 |  | H | ABI  | CDF  | MINUS |
| 9291 | 6586 | 1 | $\frac{\sqrt{x^2-1}\pi}{\sqrt{y}}$   | H | AB   | CDF  | MINUS |
| 9292 | 6586 | 2 |  | H | ABI  | CDF  | PLUS  |
| 9293 | 6587 | 1 | $\frac{1}{\sqrt{x^2-1}\sqrt{y}\pi}$  | H | AB   | CDIF | PLUS  |
| 9294 | 6587 | 2 |  | H | ABI  | CDIF | MINUS |
| 9295 | 6588 | 1 | $\frac{\sqrt{y}}{\sqrt{x^2-1}\pi}$   | H | AB   | CDIF | MINUS |
| 9296 | 6588 | 2 |  | H | ABI  | CDIF | PLUS  |
| 9297 | 6589 | 1 | $x^2y - y$   | H | AB   | AB   | PLUS  |
| 9298 | 6589 | 2 |  | H | ABI  | AB   | MINUS |

|      |      |   |   |   |     |     |       |
|------|------|---|---|---|-----|-----|-------|
| 9299 | 6590 | 1 | $\frac{x^2-1}{y}$                               | H | AB  | AB  | MINUS |
| 9300 | 6590 | 2 |   | H | ABI | AB  | PLUS  |
| 9301 | 6591 | 1 | $\sqrt{\sqrt{x^2-1}\sqrt{y}}$                   | H | AB  | W   | PLUS  |
| 9302 | 6591 | 2 |   | H | ABI | W   | MINUS |
| 9303 | 6592 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\sqrt{y}}}$          | H | AB  | W   | MINUS |
| 9304 | 6592 | 2 |   | H | ABI | W   | PLUS  |
| 9305 | 6593 | 1 | $\frac{1}{(x^2-1)y}$                            | H | AB  | ABI | PLUS  |
| 9306 | 6593 | 2 |   | H | ABI | ABI | MINUS |
| 9307 | 6594 | 1 | $\frac{y}{x^2-1}$                               | H | AB  | ABI | MINUS |
| 9308 | 6594 | 2 |   | H | ABI | ABI | PLUS  |
| 9309 | 6595 | 1 | $(x^2-1)^{3/2}y^{3/2}$                          | H | AB  | K   | PLUS  |
| 9310 | 6595 | 2 |   | H | ABI | K   | MINUS |
| 9311 | 6596 | 1 | $\frac{(x^2-1)^{3/2}}{y^{3/2}}$                 | H | AB  | K   | MINUS |
| 9312 | 6596 | 2 |   | H | ABI | K   | PLUS  |
| 9313 | 6597 | 1 | $\frac{1}{(x^2-1)^{3/2}y^{3/2}}$                | H | AB  | KI  | PLUS  |
| 9314 | 6597 | 2 |   | H | ABI | KI  | MINUS |
| 9315 | 6598 | 1 | $\frac{y^{3/2}}{(x^2-1)^{3/2}}$                 | H | AB  | KI  | MINUS |
| 9316 | 6598 | 2 |   | H | ABI | KI  | PLUS  |
| 9317 | 6599 | 1 | $e^{\sqrt{x^2-1}\sqrt{y}}$                      | H | AB  | LL  | PLUS  |
| 9318 | 6599 | 2 |   | H | ABI | LL  | MINUS |
| 9319 | 6600 | 1 | $e^{\frac{\sqrt{x^2-1}}{\sqrt{y}}}$             | H | AB  | LL  | MINUS |
| 9320 | 6600 | 2 |   | H | ABI | LL  | PLUS  |
| 9321 | 6601 | 1 | $LOG(\sqrt{x^2-1}\sqrt{y})$                     | H | AB  | L   | PLUS  |
| 9322 | 6601 | 2 |   | H | ABI | L   | MINUS |
| 9323 | 6602 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\sqrt{y}}\right)$ | H | AB  | L   | MINUS |
| 9324 | 6602 | 2 |   | H | ABI | L   | PLUS  |
| 9325 | 6603 | 1 | $\arcsin(\sqrt{x^2-1}\sqrt{y})$                 | H | AB  | S   | PLUS  |
| 9326 | 6603 | 2 |   | H | ABI | S   | MINUS |



|      |      |   |  |   |     |     |       |
|------|------|---|--|---|-----|-----|-------|
| 9327 | 6604 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\sqrt{y}}\right)$  | H | AB  | S   | MINUS |
| 9328 | 6604 | 2 |  | H | ABI | S   | PLUS  |
| 9329 | 6605 | 1 | $\arctan\left(\sqrt{x^2-1}\sqrt{y}\right)$   | H | AB  | T   | PLUS  |
| 9330 | 6605 | 2 |  | H | ABI | T   | MINUS |
| 9331 | 6606 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\sqrt{y}}\right)$  | H | AB  | T   | MINUS |
| 9332 | 6606 | 2 |  | H | ABI | T   | PLUS  |
| 9333 | 6607 | 1 | $1/2 e^{\sqrt{x^2-1}\sqrt{y}} - 1/2 e^{-\sqrt{x^2-1}\sqrt{y}}$   | H | AB  | SH  | PLUS  |
| 9334 | 6607 | 2 |  | H | ABI | SH  | MINUS |
| 9335 | 6608 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt{y}}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt{y}}}$                                       | H | AB  | SH  | MINUS |
| 9336 | 6608 | 2 |  | H | ABI | SH  | PLUS  |
| 9337 | 6609 | 1 | $1/2 e^{\sqrt{x^2-1}\sqrt{y}} + 1/2 e^{-\sqrt{x^2-1}\sqrt{y}}$   | H | AB  | CH  | PLUS  |
| 9338 | 6609 | 2 |  | H | ABI | CH  | MINUS |
| 9339 | 6610 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt{y}}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt{y}}}$                                       | H | AB  | CH  | MINUS |
| 9340 | 6610 | 2 |  | H | ABI | CH  | PLUS  |
| 9341 | 6611 | 1 | $\frac{e^2 \sqrt{x^2-1}\sqrt{y}-1}{e^2 \sqrt{x^2-1}\sqrt{y}+1}$  | H | AB  | TH  | PLUS  |
| 9342 | 6611 | 2 |  | H | ABI | TH  | MINUS |
| 9343 | 6612 | 1 | $1 \left( e^{2 \frac{\sqrt{x^2-1}}{\sqrt{y}}} - 1 \right) \left( e^{2 \frac{\sqrt{x^2-1}}{\sqrt{y}}} + 1 \right)^{-1}$ | H | AB  | TH  | MINUS |
| 9344 | 6612 | 2 |  | H | ABI | TH  | PLUS  |
| 9345 | 6613 | 1 | $\sqrt{x^2-1}y^2$  | H | W   | CD  | PLUS  |
| 9346 | 6614 | 1 | $\frac{\sqrt{x^2-1}}{y^2}$   | H | W   | CD  | MINUS |
| 9347 | 6615 | 1 | $\frac{1}{\sqrt{x^2-1}y^2}$  | H | W   | CDI | PLUS  |
| 9348 | 6616 | 1 | $\frac{y^2}{\sqrt{x^2-1}}$   | H | W   | CDI | MINUS |
| 9349 | 6617 | 1 | $\sqrt{x^2-1}y^2\pi$   | H | W   | CDF | PLUS  |
| 9350 | 6618 | 1 | $\frac{\sqrt{x^2-1}\pi}{y^2}$  | H | W   | CDF | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 9351 | 6619 | 1 | $\frac{1}{\sqrt{x^2-1}y^2\pi}$                 | H | W | CDIF | PLUS  |
| 9352 | 6620 | 1 | $\frac{y^2}{\sqrt{x^2-1}\pi}$                  | H | W | CDIF | MINUS |
| 9353 | 6621 | 1 | $(x^2-1)y^4$                                   | H | W | AB   | PLUS  |
| 9354 | 6622 | 1 | $\frac{x^2-1}{y^4}$                            | H | W | AB   | MINUS |
| 9355 | 6623 | 1 | $\sqrt{\sqrt{x^2-1}y^2}$                       | H | W | W    | PLUS  |
| 9356 | 6624 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{y^2}}$              | H | W | W    | MINUS |
| 9357 | 6625 | 1 | $\frac{1}{(x^2-1)y^4}$                         | H | W | ABI  | PLUS  |
| 9358 | 6626 | 1 | $\frac{y^4}{x^2-1}$                            | H | W | ABI  | MINUS |
| 9359 | 6627 | 1 | $(x^2-1)^{3/2}y^6$                             | H | W | K    | PLUS  |
| 9360 | 6628 | 1 | $\frac{(x^2-1)^{3/2}}{y^6}$                    | H | W | K    | MINUS |
| 9361 | 6629 | 1 | $\frac{1}{(x^2-1)^{3/2}y^6}$                   | H | W | KI   | PLUS  |
| 9362 | 6630 | 1 | $\frac{y^6}{(x^2-1)^{3/2}}$                    | H | W | KI   | MINUS |
| 9363 | 6631 | 1 | $e^{\sqrt{x^2-1}y^2}$                          | H | W | LL   | PLUS  |
| 9364 | 6632 | 1 | $e^{\frac{\sqrt{x^2-1}}{y^2}}$                 | H | W | LL   | MINUS |
| 9365 | 6633 | 1 | $LOG(\sqrt{x^2-1}y^2)$                         | H | W | L    | PLUS  |
| 9366 | 6634 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{y^2}\right)$     | H | W | L    | MINUS |
| 9367 | 6635 | 1 | $\arcsin(\sqrt{x^2-1}y^2)$                     | H | W | S    | PLUS  |
| 9368 | 6636 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{y^2}\right)$ | H | W | S    | MINUS |
| 9369 | 6637 | 1 | $\arctan(\sqrt{x^2-1}y^2)$                     | H | W | T    | PLUS  |
| 9370 | 6638 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{y^2}\right)$ | H | W | T    | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9371 | 6639 | 1 | $1/2 e^{\sqrt{x^2-1}y^2} - 1/2 e^{-\sqrt{x^2-1}y^2}$   | H | W  | SH   | PLUS  |
| 9372 | 6640 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{y^2}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{y^2}}$                                     | H | W  | SH   | MINUS |
| 9373 | 6641 | 1 | $1/2 e^{\sqrt{x^2-1}y^2} + 1/2 e^{-\sqrt{x^2-1}y^2}$   | H | W  | CH   | PLUS  |
| 9374 | 6642 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{y^2}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{y^2}}$                                     | H | W  | CH   | MINUS |
| 9375 | 6643 | 1 | $\frac{e^{2\sqrt{x^2-1}y^2}-1}{e^{2\sqrt{x^2-1}y^2}+1}$  | H | W  | TH   | PLUS  |
| 9376 | 6644 | 1 | $1 \left( e^{2\frac{\sqrt{x^2-1}}{y^2}} - 1 \right) \left( e^{2\frac{\sqrt{x^2-1}}{y^2}} + 1 \right)^{-1}$ | H | W  | TH   | MINUS |
| 9377 | 6645 | 1 | $\sqrt{x^2-1} \sqrt[3]{y}$   | H | K  | CD   | PLUS  |
| 9378 | 6645 | 2 |  | H | KI | CD   | MINUS |
| 9379 | 6646 | 1 | $\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}$   | H | K  | CD   | MINUS |
| 9380 | 6646 | 2 |  | H | KI | CD   | PLUS  |
| 9381 | 6647 | 1 | $\frac{1}{\sqrt{x^2-1} \sqrt[3]{y}}$   | H | K  | CDI  | PLUS  |
| 9382 | 6647 | 2 |  | H | KI | CDI  | MINUS |
| 9383 | 6648 | 1 | $\frac{\sqrt[3]{y}}{\sqrt{x^2-1}}$   | H | K  | CDI  | MINUS |
| 9384 | 6648 | 2 |  | H | KI | CDI  | PLUS  |
| 9385 | 6649 | 1 | $\sqrt{x^2-1} \sqrt[3]{y} \pi$   | H | K  | CDF  | PLUS  |
| 9386 | 6649 | 2 |  | H | KI | CDF  | MINUS |
| 9387 | 6650 | 1 | $\frac{\sqrt{x^2-1} \pi}{\sqrt[3]{y}}$   | H | K  | CDF  | MINUS |
| 9388 | 6650 | 2 |  | H | KI | CDF  | PLUS  |
| 9389 | 6651 | 1 | $\frac{1}{\sqrt{x^2-1} \sqrt[3]{y} \pi}$   | H | K  | CDIF | PLUS  |
| 9390 | 6651 | 2 |  | H | KI | CDIF | MINUS |
| 9391 | 6652 | 1 | $\frac{\sqrt[3]{y}}{\sqrt{x^2-1} \pi}$   | H | K  | CDIF | MINUS |
| 9392 | 6652 | 2 |  | H | KI | CDIF | PLUS  |
| 9393 | 6653 | 1 | $(x^2-1) y^{2/3}$  | H | K  | AB   | PLUS  |
| 9394 | 6653 | 2 |  | H | KI | AB   | MINUS |
| 9395 | 6654 | 1 | $\frac{x^2-1}{y^{2/3}}$  | H | K  | AB   | MINUS |

|      |      |   |  |   |    |     |       |
|------|------|---|--|---|----|-----|-------|
| 9396 | 6654 | 2 |  | H | KI | AB  | PLUS  |
| 9397 | 6655 | 1 | $\sqrt{\sqrt{x^2-1}\sqrt[3]{y}}$                   | H | K  | W   | PLUS  |
| 9398 | 6655 | 2 |  | H | KI | W   | MINUS |
| 9399 | 6656 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}}$          | H | K  | W   | MINUS |
| 9400 | 6656 | 2 |  | H | KI | W   | PLUS  |
| 9401 | 6657 | 1 | $\frac{1}{(x^2-1)y^{2/3}}$                         | H | K  | ABI | PLUS  |
| 9402 | 6657 | 2 |  | H | KI | ABI | MINUS |
| 9403 | 6658 | 1 | $\frac{y^{2/3}}{x^2-1}$                            | H | K  | ABI | MINUS |
| 9404 | 6658 | 2 |  | H | KI | ABI | PLUS  |
| 9405 | 6659 | 1 | $(x^2-1)^{3/2}y$                                   | H | K  | K   | PLUS  |
| 9406 | 6659 | 2 |  | H | KI | K   | MINUS |
| 9407 | 6660 | 1 | $\frac{(x^2-1)^{3/2}}{y}$                          | H | K  | K   | MINUS |
| 9408 | 6660 | 2 |  | H | KI | K   | PLUS  |
| 9409 | 6661 | 1 | $\frac{1}{(x^2-1)^{3/2}y}$                         | H | K  | KI  | PLUS  |
| 9410 | 6661 | 2 |  | H | KI | KI  | MINUS |
| 9411 | 6662 | 1 | $\frac{y}{(x^2-1)^{3/2}}$                          | H | K  | KI  | MINUS |
| 9412 | 6662 | 2 |  | H | KI | KI  | PLUS  |
| 9413 | 6663 | 1 | $e^{\sqrt{x^2-1}\sqrt[3]{y}}$                      | H | K  | LL  | PLUS  |
| 9414 | 6663 | 2 |  | H | KI | LL  | MINUS |
| 9415 | 6664 | 1 | $e^{\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}}$             | H | K  | LL  | MINUS |
| 9416 | 6664 | 2 |  | H | KI | LL  | PLUS  |
| 9417 | 6665 | 1 | $LOG(\sqrt{x^2-1}\sqrt[3]{y})$                     | H | K  | L   | PLUS  |
| 9418 | 6665 | 2 |  | H | KI | L   | MINUS |
| 9419 | 6666 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}\right)$ | H | K  | L   | MINUS |
| 9420 | 6666 | 2 |  | H | KI | L   | PLUS  |
| 9421 | 6667 | 1 | $\arcsin(\sqrt{x^2-1}\sqrt[3]{y})$                 | H | K  | S   | PLUS  |
| 9422 | 6667 | 2 |  | H | KI | S   | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9423 | 6668 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}\right)$   | H | K  | S    | MINUS |
| 9424 | 6668 | 2 |  | H | KI | S    | PLUS  |
| 9425 | 6669 | 1 | $\arctan\left(\sqrt{x^2-1}\sqrt[3]{y}\right)$  | H | K  | T    | PLUS  |
| 9426 | 6669 | 2 |  | H | KI | T    | MINUS |
| 9427 | 6670 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}\right)$   | H | K  | T    | MINUS |
| 9428 | 6670 | 2 |  | H | KI | T    | PLUS  |
| 9429 | 6671 | 1 | $1/2 e^{\sqrt{x^2-1}\sqrt[3]{y}} - 1/2 e^{-\sqrt{x^2-1}\sqrt[3]{y}}$   | H | K  | SH   | PLUS  |
| 9430 | 6671 | 2 |  | H | KI | SH   | MINUS |
| 9431 | 6672 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}}$                           | H | K  | SH   | MINUS |
| 9432 | 6672 | 2 |  | H | KI | SH   | PLUS  |
| 9433 | 6673 | 1 | $1/2 e^{\sqrt{x^2-1}\sqrt[3]{y}} + 1/2 e^{-\sqrt{x^2-1}\sqrt[3]{y}}$   | H | K  | CH   | PLUS  |
| 9434 | 6673 | 2 |  | H | KI | CH   | MINUS |
| 9435 | 6674 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}}$                           | H | K  | CH   | MINUS |
| 9436 | 6674 | 2 |  | H | KI | CH   | PLUS  |
| 9437 | 6675 | 1 | $\frac{e^{2\sqrt{x^2-1}\sqrt[3]{y}}-1}{e^{2\sqrt{x^2-1}\sqrt[3]{y}}+1}$  | H | K  | TH   | PLUS  |
| 9438 | 6675 | 2 |  | H | KI | TH   | MINUS |
| 9439 | 6676 | 1 | $1\left(e^{2\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}}-1\right)\left(e^{2\frac{\sqrt{x^2-1}}{\sqrt[3]{y}}}+1\right)^{-1}$ | H | K  | TH   | MINUS |
| 9440 | 6676 | 2 |  | H | KI | TH   | PLUS  |
| 9441 | 6677 | 1 | $\sqrt{x^2-1}\ln(y)$   | H | LL | CD   | PLUS  |
| 9442 | 6678 | 1 | $\frac{\sqrt{x^2-1}}{\ln(y)}$  | H | LL | CD   | MINUS |
| 9443 | 6679 | 1 | $\frac{1}{\sqrt{x^2-1}\ln(y)}$   | H | LL | CDI  | PLUS  |
| 9444 | 6680 | 1 | $\frac{\ln(y)}{\sqrt{x^2-1}}$  | H | LL | CDI  | MINUS |
| 9445 | 6681 | 1 | $\sqrt{x^2-1}\ln(y)\pi$  | H | LL | CDF  | PLUS  |
| 9446 | 6682 | 1 | $\frac{\sqrt{x^2-1}\pi}{\ln(y)}$   | H | LL | CDF  | MINUS |
| 9447 | 6683 | 1 | $\frac{1}{\sqrt{x^2-1}\ln(y)\pi}$  | H | LL | CDIF | PLUS  |

|      |      |   |   |   |    |      |       |
|------|------|---|---|---|----|------|-------|
| 9448 | 6684 | 1 | $\frac{\ln(y)}{\sqrt{x^2-1}\pi}$                  | H | LL | CDIF | MINUS |
| 9449 | 6685 | 1 | $(x^2-1)(\ln(y))^2$                               | H | LL | AB   | PLUS  |
| 9450 | 6686 | 1 | $\frac{x^2-1}{(\ln(y))^2}$                        | H | LL | AB   | MINUS |
| 9451 | 6687 | 1 | $\sqrt{\sqrt{x^2-1}\ln(y)}$                       | H | LL | W    | PLUS  |
| 9452 | 6688 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\ln(y)}}$              | H | LL | W    | MINUS |
| 9453 | 6689 | 1 | $\frac{1}{(x^2-1)(\ln(y))^2}$                     | H | LL | ABI  | PLUS  |
| 9454 | 6690 | 1 | $\frac{(\ln(y))^2}{x^2-1}$                        | H | LL | ABI  | MINUS |
| 9455 | 6691 | 1 | $(x^2-1)^{3/2}(\ln(y))^3$                         | H | LL | K    | PLUS  |
| 9456 | 6692 | 1 | $\frac{(x^2-1)^{3/2}}{(\ln(y))^3}$                | H | LL | K    | MINUS |
| 9457 | 6693 | 1 | $\frac{1}{(x^2-1)^{3/2}(\ln(y))^3}$               | H | LL | KI   | PLUS  |
| 9458 | 6694 | 1 | $\frac{(\ln(y))^3}{(x^2-1)^{3/2}}$                | H | LL | KI   | MINUS |
| 9459 | 6695 | 1 | $y^{\sqrt{x^2-1}}$                                | H | LL | LL   | PLUS  |
| 9460 | 6696 | 1 | $e^{\frac{\sqrt{x^2-1}}{\ln(y)}}$                 | H | LL | LL   | MINUS |
| 9461 | 6697 | 1 | $LOG(\sqrt{x^2-1}\ln(y))$                         | H | LL | L    | PLUS  |
| 9462 | 6698 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\ln(y)}\right)$     | H | LL | L    | MINUS |
| 9463 | 6699 | 1 | $\arcsin(\sqrt{x^2-1}\ln(y))$                     | H | LL | S    | PLUS  |
| 9464 | 6700 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\ln(y)}\right)$ | H | LL | S    | MINUS |
| 9465 | 6701 | 1 | $\arctan(\sqrt{x^2-1}\ln(y))$                     | H | LL | T    | PLUS  |
| 9466 | 6702 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\ln(y)}\right)$ | H | LL | T    | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9467 | 6703 | 1 | $1/2 y^{\sqrt{x^2-1}} - 1/2 y^{-\sqrt{x^2-1}}$   | H | LL | SH   | PLUS  |
| 9468 | 6704 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\ln(y)}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\ln(y)}}$                                       | H | LL | SH   | MINUS |
| 9469 | 6705 | 1 | $1/2 y^{\sqrt{x^2-1}} + 1/2 y^{-\sqrt{x^2-1}}$   | H | LL | CH   | PLUS  |
| 9470 | 6706 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\ln(y)}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\ln(y)}}$                                       | H | LL | CH   | MINUS |
| 9471 | 6707 | 1 | $\frac{y^2 \sqrt{x^2-1} - 1}{y^2 \sqrt{x^2-1} + 1}$  | H | LL | TH   | PLUS  |
| 9472 | 6708 | 1 | $1 \left( e^{2 \frac{\sqrt{x^2-1}}{\ln(y)}} - 1 \right) \left( e^{2 \frac{\sqrt{x^2-1}}{\ln(y)}} + 1 \right)^{-1}$ | H | LL | TH   | MINUS |
| 9473 | 6709 | 1 | $\sqrt{x^2-1} EXP(y)$  | H | L  | CD   | PLUS  |
| 9474 | 6710 | 1 | $\frac{\sqrt{x^2-1}}{EXP(y)}$  | H | L  | CD   | MINUS |
| 9475 | 6711 | 1 | $\frac{1}{\sqrt{x^2-1} EXP(y)}$  | H | L  | CDI  | PLUS  |
| 9476 | 6712 | 1 | $\frac{EXP(y)}{\sqrt{x^2-1}}$  | H | L  | CDI  | MINUS |
| 9477 | 6713 | 1 | $\sqrt{x^2-1} EXP(y) \pi$  | H | L  | CDF  | PLUS  |
| 9478 | 6714 | 1 | $\frac{\sqrt{x^2-1} \pi}{EXP(y)}$  | H | L  | CDF  | MINUS |
| 9479 | 6715 | 1 | $\frac{1}{\sqrt{x^2-1} EXP(y) \pi}$  | H | L  | CDIF | PLUS  |
| 9480 | 6716 | 1 | $\frac{EXP(y)}{\sqrt{x^2-1} \pi}$  | H | L  | CDIF | MINUS |
| 9481 | 6717 | 1 | $(x^2 - 1) (EXP(y))^2$   | H | L  | AB   | PLUS  |
| 9482 | 6718 | 1 | $\frac{x^2 - 1}{(EXP(y))^2}$   | H | L  | AB   | MINUS |
| 9483 | 6719 | 1 | $\sqrt{\sqrt{x^2-1} EXP(y)}$   | H | L  | W    | PLUS  |
| 9484 | 6720 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{EXP(y)}}$   | H | L  | W    | MINUS |
| 9485 | 6721 | 1 | $\frac{1}{(x^2-1)(EXP(y))^2}$  | H | L  | ABI  | PLUS  |
| 9486 | 6722 | 1 | $\frac{(EXP(y))^2}{x^2-1}$   | H | L  | ABI  | MINUS |

|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 9487 | 6723 | 1 | $(x^2 - 1)^{3/2} (EXP(y))^3$   | H | L | K  | PLUS  |
| 9488 | 6724 | 1 | $\frac{(x^2 - 1)^{3/2}}{(EXP(y))^3}$   | H | L | K  | MINUS |
| 9489 | 6725 | 1 | $\frac{1}{(x^2 - 1)^{3/2} (EXP(y))^3}$   | H | L | KI | PLUS  |
| 9490 | 6726 | 1 | $\frac{(EXP(y))^3}{(x^2 - 1)^{3/2}}$   | H | L | KI | MINUS |
| 9491 | 6727 | 1 | $e^{\sqrt{x^2 - 1} EXP(y)}$  | H | L | LL | PLUS  |
| 9492 | 6728 | 1 | $e^{\frac{\sqrt{x^2 - 1}}{EXP(y)}}$  | H | L | LL | MINUS |
| 9493 | 6729 | 1 | $LOG(\sqrt{x^2 - 1} EXP(y))$   | H | L | L  | PLUS  |
| 9494 | 6730 | 1 | $LOG\left(\frac{\sqrt{x^2 - 1}}{EXP(y)}\right)$  | H | L | L  | MINUS |
| 9495 | 6731 | 1 | $\arcsin(\sqrt{x^2 - 1} EXP(y))$   | H | L | S  | PLUS  |
| 9496 | 6732 | 1 | $\arcsin\left(\frac{\sqrt{x^2 - 1}}{EXP(y)}\right)$  | H | L | S  | MINUS |
| 9497 | 6733 | 1 | $\arctan(\sqrt{x^2 - 1} EXP(y))$   | H | L | T  | PLUS  |
| 9498 | 6734 | 1 | $\arctan\left(\frac{\sqrt{x^2 - 1}}{EXP(y)}\right)$  | H | L | T  | MINUS |
| 9499 | 6735 | 1 | $1/2 e^{\sqrt{x^2 - 1} EXP(y)} - 1/2 e^{-\sqrt{x^2 - 1} EXP(y)}$   | H | L | SH | PLUS  |
| 9500 | 6736 | 1 | $1/2 e^{\frac{\sqrt{x^2 - 1}}{EXP(y)}} - 1/2 e^{-\frac{\sqrt{x^2 - 1}}{EXP(y)}}$                                     | H | L | SH | MINUS |
| 9501 | 6737 | 1 | $1/2 e^{\sqrt{x^2 - 1} EXP(y)} + 1/2 e^{-\sqrt{x^2 - 1} EXP(y)}$   | H | L | CH | PLUS  |
| 9502 | 6738 | 1 | $1/2 e^{\frac{\sqrt{x^2 - 1}}{EXP(y)}} + 1/2 e^{-\frac{\sqrt{x^2 - 1}}{EXP(y)}}$                                     | H | L | CH | MINUS |
| 9503 | 6739 | 1 | $\frac{e^{2\sqrt{x^2 - 1} EXP(y)} - 1}{e^{2\sqrt{x^2 - 1} EXP(y)} + 1}$  | H | L | TH | PLUS  |
| 9504 | 6740 | 1 | $1 \left( e^{2\frac{\sqrt{x^2 - 1}}{EXP(y)}} - 1 \right) \left( e^{2\frac{\sqrt{x^2 - 1}}{EXP(y)}} + 1 \right)^{-1}$ | H | L | TH | MINUS |
| 9505 | 6741 | 1 | $\sqrt{x^2 - 1} \sin(y)$   | H | S | CD | PLUS  |



|      |      |   |                                       |   |   |      |       |
|------|------|---|---------------------------------------|---|---|------|-------|
| 9506 | 6742 | 1 | $\frac{\sqrt{x^2-1}}{\sin(y)}$        | H | S | CD   | MINUS |
| 9507 | 6743 | 1 | $\frac{1}{\sqrt{x^2-1} \sin(y)}$      | H | S | CDI  | PLUS  |
| 9508 | 6744 | 1 | $\frac{\sin(y)}{\sqrt{x^2-1}}$        | H | S | CDI  | MINUS |
| 9509 | 6745 | 1 | $\sqrt{x^2-1} \sin(y) \pi$            | H | S | CDF  | PLUS  |
| 9510 | 6746 | 1 | $\frac{\sqrt{x^2-1} \pi}{\sin(y)}$    | H | S | CDF  | MINUS |
| 9511 | 6747 | 1 | $\frac{1}{\sqrt{x^2-1} \sin(y) \pi}$  | H | S | CDIF | PLUS  |
| 9512 | 6748 | 1 | $\frac{\sin(y)}{\sqrt{x^2-1} \pi}$    | H | S | CDIF | MINUS |
| 9513 | 6749 | 1 | $(x^2-1) (\sin(y))^2$                 | H | S | AB   | PLUS  |
| 9514 | 6750 | 1 | $\frac{x^2-1}{(\sin(y))^2}$           | H | S | AB   | MINUS |
| 9515 | 6751 | 1 | $\sqrt{\sqrt{x^2-1} \sin(y)}$         | H | S | W    | PLUS  |
| 9516 | 6752 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\sin(y)}}$ | H | S | W    | MINUS |
| 9517 | 6753 | 1 | $\frac{1}{(x^2-1)(\sin(y))^2}$        | H | S | ABI  | PLUS  |
| 9518 | 6754 | 1 | $\frac{(\sin(y))^2}{x^2-1}$           | H | S | ABI  | MINUS |
| 9519 | 6755 | 1 | $(x^2-1)^{3/2} (\sin(y))^3$           | H | S | K    | PLUS  |
| 9520 | 6756 | 1 | $\frac{(x^2-1)^{3/2}}{(\sin(y))^3}$   | H | S | K    | MINUS |
| 9521 | 6757 | 1 | $\frac{1}{(x^2-1)^{3/2} (\sin(y))^3}$ | H | S | KI   | PLUS  |
| 9522 | 6758 | 1 | $\frac{(\sin(y))^3}{(x^2-1)^{3/2}}$   | H | S | KI   | MINUS |
| 9523 | 6759 | 1 | $e^{\sqrt{x^2-1} \sin(y)}$            | H | S | LL   | PLUS  |
| 9524 | 6760 | 1 | $e^{\frac{\sqrt{x^2-1}}{\sin(y)}}$    | H | S | LL   | MINUS |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 9525 | 6761 | 1 | $LOG(\sqrt{x^2-1} \sin(y))$  | H | S | L    | PLUS  |
| 9526 | 6762 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\sin(y)}\right)$   | H | S | L    | MINUS |
| 9527 | 6763 | 1 | $\arcsin(\sqrt{x^2-1} \sin(y))$  | H | S | S    | PLUS  |
| 9528 | 6764 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\sin(y)}\right)$   | H | S | S    | MINUS |
| 9529 | 6765 | 1 | $\arctan(\sqrt{x^2-1} \sin(y))$  | H | S | T    | PLUS  |
| 9530 | 6766 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\sin(y)}\right)$   | H | S | T    | MINUS |
| 9531 | 6767 | 1 | $1/2 e^{\sqrt{x^2-1} \sin(y)} - 1/2 e^{-\sqrt{x^2-1} \sin(y)}$   | H | S | SH   | PLUS  |
| 9532 | 6768 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sin(y)}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\sin(y)}}$                                     | H | S | SH   | MINUS |
| 9533 | 6769 | 1 | $1/2 e^{\sqrt{x^2-1} \sin(y)} + 1/2 e^{-\sqrt{x^2-1} \sin(y)}$   | H | S | CH   | PLUS  |
| 9534 | 6770 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sin(y)}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\sin(y)}}$                                     | H | S | CH   | MINUS |
| 9535 | 6771 | 1 | $\frac{e^{2\sqrt{x^2-1} \sin(y)} - 1}{e^{2\sqrt{x^2-1} \sin(y)} + 1}$  | H | S | TH   | PLUS  |
| 9536 | 6772 | 1 | $1 \left( e^{2\frac{\sqrt{x^2-1}}{\sin(y)}} - 1 \right) \left( e^{2\frac{\sqrt{x^2-1}}{\sin(y)}} + 1 \right)^{-1}$ | H | S | TH   | MINUS |
| 9537 | 6773 | 1 | $\sqrt{x^2-1} \tan(y)$   | H | T | CD   | PLUS  |
| 9538 | 6774 | 1 | $\frac{\sqrt{x^2-1}}{\tan(y)}$   | H | T | CD   | MINUS |
| 9539 | 6775 | 1 | $\frac{1}{\sqrt{x^2-1} \tan(y)}$   | H | T | CDI  | PLUS  |
| 9540 | 6776 | 1 | $\frac{\tan(y)}{\sqrt{x^2-1}}$   | H | T | CDI  | MINUS |
| 9541 | 6777 | 1 | $\sqrt{x^2-1} \tan(y) \pi$   | H | T | CDF  | PLUS  |
| 9542 | 6778 | 1 | $\frac{\sqrt{x^2-1} \pi}{\tan(y)}$   | H | T | CDF  | MINUS |
| 9543 | 6779 | 1 | $\frac{1}{\sqrt{x^2-1} \tan(y) \pi}$   | H | T | CDIF | PLUS  |
| 9544 | 6780 | 1 | $\frac{\tan(y)}{\sqrt{x^2-1} \pi}$   | H | T | CDIF | MINUS |

|      |      |   |  |   |   |     |       |
|------|------|---|--|---|---|-----|-------|
| 9545 | 6781 | 1 | $(x^2 - 1) (\tan(y))^2$  | H | T | AB  | PLUS  |
| 9546 | 6782 | 1 | $\frac{x^2 - 1}{(\tan(y))^2}$                                      | H | T | AB  | MINUS |
| 9547 | 6783 | 1 | $\sqrt{\sqrt{x^2 - 1} \tan(y)}$                                    | H | T | W   | PLUS  |
| 9548 | 6784 | 1 | $\sqrt{\frac{\sqrt{x^2 - 1}}{\tan(y)}}$                            | H | T | W   | MINUS |
| 9549 | 6785 | 1 | $\frac{1}{(x^2 - 1)(\tan(y))^2}$                                   | H | T | ABI | PLUS  |
| 9550 | 6786 | 1 | $\frac{(\tan(y))^2}{x^2 - 1}$                                      | H | T | ABI | MINUS |
| 9551 | 6787 | 1 | $(x^2 - 1)^{3/2} (\tan(y))^3$                                      | H | T | K   | PLUS  |
| 9552 | 6788 | 1 | $\frac{(x^2 - 1)^{3/2}}{(\tan(y))^3}$                              | H | T | K   | MINUS |
| 9553 | 6789 | 1 | $\frac{1}{(x^2 - 1)^{3/2} (\tan(y))^3}$                            | H | T | KI  | PLUS  |
| 9554 | 6790 | 1 | $\frac{(\tan(y))^3}{(x^2 - 1)^{3/2}}$                              | H | T | KI  | MINUS |
| 9555 | 6791 | 1 | $e^{\sqrt{x^2 - 1} \tan(y)}$                                       | H | T | LL  | PLUS  |
| 9556 | 6792 | 1 | $e^{\frac{\sqrt{x^2 - 1}}{\tan(y)}}$                               | H | T | LL  | MINUS |
| 9557 | 6793 | 1 | $LOG(\sqrt{x^2 - 1} \tan(y))$                                      | H | T | L   | PLUS  |
| 9558 | 6794 | 1 | $LOG\left(\frac{\sqrt{x^2 - 1}}{\tan(y)}\right)$                   | H | T | L   | MINUS |
| 9559 | 6795 | 1 | $\arcsin(\sqrt{x^2 - 1} \tan(y))$                                  | H | T | S   | PLUS  |
| 9560 | 6796 | 1 | $\arcsin\left(\frac{\sqrt{x^2 - 1}}{\tan(y)}\right)$               | H | T | S   | MINUS |
| 9561 | 6797 | 1 | $\arctan(\sqrt{x^2 - 1} \tan(y))$                                  | H | T | T   | PLUS  |
| 9562 | 6798 | 1 | $\arctan\left(\frac{\sqrt{x^2 - 1}}{\tan(y)}\right)$               | H | T | T   | MINUS |
| 9563 | 6799 | 1 | $1/2 e^{\sqrt{x^2 - 1} \tan(y)} - 1/2 e^{-\sqrt{x^2 - 1} \tan(y)}$ | H | T | SH  | PLUS  |

|      |      |   |  |   |   |      |       |
|------|------|---|--|---|---|------|-------|
| 9564 | 6800 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\tan(y)}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\tan(y)}}$                                       | H | T | SH   | MINUS |
| 9565 | 6801 | 1 | $1/2 e^{\sqrt{x^2-1} \tan(y)} + 1/2 e^{-\sqrt{x^2-1} \tan(y)}$   | H | T | CH   | PLUS  |
| 9566 | 6802 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\tan(y)}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\tan(y)}}$                                       | H | T | CH   | MINUS |
| 9567 | 6803 | 1 | $\frac{e^2 \sqrt{x^2-1} \tan(y) - 1}{e^2 \sqrt{x^2-1} \tan(y) + 1}$  | H | T | TH   | PLUS  |
| 9568 | 6804 | 1 | $1 \left( e^{2 \frac{\sqrt{x^2-1}}{\tan(y)}} - 1 \right) \left( e^{2 \frac{\sqrt{x^2-1}}{\tan(y)}} + 1 \right)^{-1}$ | H | T | TH   | MINUS |
| 9569 | 6805 | 1 | $\sqrt{x^2-1} \sqrt{-y^2+1}$   | H | P | CD   | PLUS  |
| 9570 | 6806 | 1 | $\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}$   | H | P | CD   | MINUS |
| 9571 | 6807 | 1 | $\frac{1}{\sqrt{x^2-1} \sqrt{-y^2+1}}$   | H | P | CDI  | PLUS  |
| 9572 | 6808 | 1 | $\frac{\sqrt{-y^2+1}}{\sqrt{x^2-1}}$   | H | P | CDI  | MINUS |
| 9573 | 6809 | 1 | $\sqrt{x^2-1} \sqrt{-y^2+1} \pi$   | H | P | CDF  | PLUS  |
| 9574 | 6810 | 1 | $\frac{\sqrt{x^2-1} \pi}{\sqrt{-y^2+1}}$   | H | P | CDF  | MINUS |
| 9575 | 6811 | 1 | $\frac{1}{\sqrt{x^2-1} \sqrt{-y^2+1} \pi}$   | H | P | CDIF | PLUS  |
| 9576 | 6812 | 1 | $\frac{\sqrt{-y^2+1}}{\sqrt{x^2-1} \pi}$   | H | P | CDIF | MINUS |
| 9577 | 6813 | 1 | $\sqrt{\sqrt{x^2-1} \sqrt{-y^2+1}}$  | H | P | W    | PLUS  |
| 9578 | 6814 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}}$  | H | P | W    | MINUS |
| 9579 | 6815 | 1 | $(x^2-1)^{3/2} (-y^2+1)^{3/2}$   | H | P | K    | PLUS  |
| 9580 | 6816 | 1 | $\frac{(x^2-1)^{3/2}}{(-y^2+1)^{3/2}}$   | H | P | K    | MINUS |
| 9581 | 6817 | 1 | $\frac{1}{(x^2-1)^{3/2} (-y^2+1)^{3/2}}$   | H | P | KI   | PLUS  |

|      |      |   |  |   |   |    |       |
|------|------|---|--|---|---|----|-------|
| 9582 | 6818 | 1 | $\frac{(-y^2+1)^{3/2}}{(x^2-1)^{3/2}}$   | H | P | KI | MINUS |
| 9583 | 6819 | 1 | $e^{\sqrt{x^2-1}}\sqrt{-y^2+1}$  | H | P | LL | PLUS  |
| 9584 | 6820 | 1 | $e^{\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}}$   | H | P | LL | MINUS |
| 9585 | 6821 | 1 | $LOG\left(\sqrt{x^2-1}\sqrt{-y^2+1}\right)$  | H | P | L  | PLUS  |
| 9586 | 6822 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}\right)$   | H | P | L  | MINUS |
| 9587 | 6823 | 1 | $\arcsin\left(\sqrt{x^2-1}\sqrt{-y^2+1}\right)$  | H | P | S  | PLUS  |
| 9588 | 6824 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}\right)$   | H | P | S  | MINUS |
| 9589 | 6825 | 1 | $\arctan\left(\sqrt{x^2-1}\sqrt{-y^2+1}\right)$  | H | P | T  | PLUS  |
| 9590 | 6826 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}\right)$   | H | P | T  | MINUS |
| 9591 | 6827 | 1 | $1/2 e^{\sqrt{x^2-1}}\sqrt{-y^2+1} - 1/2 e^{-\sqrt{x^2-1}}\sqrt{-y^2+1}$   | H | P | SH | PLUS  |
| 9592 | 6828 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}}$                                       | H | P | SH | MINUS |
| 9593 | 6829 | 1 | $1/2 e^{\sqrt{x^2-1}}\sqrt{-y^2+1} + 1/2 e^{-\sqrt{x^2-1}}\sqrt{-y^2+1}$   | H | P | CH | PLUS  |
| 9594 | 6830 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}}$                                       | H | P | CH | MINUS |
| 9595 | 6831 | 1 | $\frac{e^2 \sqrt{x^2-1} \sqrt{-y^2+1} - 1}{e^2 \sqrt{x^2-1} \sqrt{-y^2+1} + 1}$  | H | P | TH | PLUS  |
| 9596 | 6832 | 1 | $1 \left( e^{2 \frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}} - 1 \right) \left( e^{2 \frac{\sqrt{x^2-1}}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | H | P | TH | MINUS |
| 9597 | 6833 | 1 | $\sqrt{x^2-1}\sqrt{y^2-1}$   | H | H | CD | PLUS  |
| 9598 | 6834 | 1 | $\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}$  | H | H | CD | MINUS |

|      |      |   |   |   |   |      |       |
|------|------|---|---|---|---|------|-------|
| 9599 | 6835 | 1 | $\frac{1}{\sqrt{x^2-1}\sqrt{y^2-1}}$                    | H | H | CDI  | PLUS  |
| 9600 | 6836 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt{x^2-1}}$                     | H | H | CDI  | MINUS |
| 9601 | 6837 | 1 | $\sqrt{x^2-1}\sqrt{y^2-1}\pi$                           | H | H | CDF  | PLUS  |
| 9602 | 6838 | 1 | $\frac{\sqrt{x^2-1}\pi}{\sqrt{y^2-1}}$                  | H | H | CDF  | MINUS |
| 9603 | 6839 | 1 | $\frac{1}{\sqrt{x^2-1}\sqrt{y^2-1}\pi}$                 | H | H | CDIF | PLUS  |
| 9604 | 6840 | 1 | $\frac{\sqrt{y^2-1}}{\sqrt{x^2-1}\pi}$                  | H | H | CDIF | MINUS |
| 9605 | 6841 | 1 | $\sqrt{\sqrt{x^2-1}\sqrt{y^2-1}}$                       | H | H | W    | PLUS  |
| 9606 | 6842 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}}$              | H | H | W    | MINUS |
| 9607 | 6843 | 1 | $(x^2-1)^{3/2}(y^2-1)^{3/2}$                            | H | H | K    | PLUS  |
| 9608 | 6844 | 1 | $\frac{(x^2-1)^{3/2}}{(y^2-1)^{3/2}}$                   | H | H | K    | MINUS |
| 9609 | 6845 | 1 | $\frac{1}{(x^2-1)^{3/2}(y^2-1)^{3/2}}$                  | H | H | KI   | PLUS  |
| 9610 | 6846 | 1 | $\frac{(y^2-1)^{3/2}}{(x^2-1)^{3/2}}$                   | H | H | KI   | MINUS |
| 9611 | 6847 | 1 | $e^{\sqrt{x^2-1}\sqrt{y^2-1}}$                          | H | H | LL   | PLUS  |
| 9612 | 6848 | 1 | $e^{\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}}$                 | H | H | LL   | MINUS |
| 9613 | 6849 | 1 | $LOG\left(\sqrt{x^2-1}\sqrt{y^2-1}\right)$              | H | H | L    | PLUS  |
| 9614 | 6850 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}\right)$     | H | H | L    | MINUS |
| 9615 | 6851 | 1 | $\arcsin\left(\sqrt{x^2-1}\sqrt{y^2-1}\right)$          | H | H | S    | PLUS  |
| 9616 | 6852 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}\right)$ | H | H | S    | MINUS |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9617 | 6853 | 1 | $\arctan\left(\sqrt{x^2-1}\sqrt{y^2-1}\right)$   | H | H  | T    | PLUS  |
| 9618 | 6854 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}\right)$  | H | H  | T    | MINUS |
| 9619 | 6855 | 1 | $1/2 e^{\sqrt{x^2-1}\sqrt{y^2-1}} - 1/2 e^{-\sqrt{x^2-1}\sqrt{y^2-1}}$   | H | H  | SH   | PLUS  |
| 9620 | 6856 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}}$                                       | H | H  | SH   | MINUS |
| 9621 | 6857 | 1 | $1/2 e^{\sqrt{x^2-1}\sqrt{y^2-1}} + 1/2 e^{-\sqrt{x^2-1}\sqrt{y^2-1}}$   | H | H  | CH   | PLUS  |
| 9622 | 6858 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}}$                                       | H | H  | CH   | MINUS |
| 9623 | 6859 | 1 | $\frac{e^2 \sqrt{x^2-1}\sqrt{y^2-1} - 1}{e^2 \sqrt{x^2-1}\sqrt{y^2-1} + 1}$  | H | H  | TH   | PLUS  |
| 9624 | 6860 | 1 | $1 \left( e^{2 \frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}} - 1 \right) \left( e^{2 \frac{\sqrt{x^2-1}}{\sqrt{y^2-1}}} + 1 \right)^{-1}$ | H | H  | TH   | MINUS |
| 9625 | 6861 | 1 | $\sqrt{x^2-1} \ln\left(y + \sqrt{y^2+1}\right)$  | H | SH | CD   | PLUS  |
| 9626 | 6862 | 1 | $\frac{\sqrt{x^2-1}}{\ln\left(y + \sqrt{y^2+1}\right)}$  | H | SH | CD   | MINUS |
| 9627 | 6863 | 1 | $\frac{1}{\sqrt{x^2-1} \ln\left(y + \sqrt{y^2+1}\right)}$  | H | SH | CDI  | PLUS  |
| 9628 | 6864 | 1 | $\frac{\ln\left(y + \sqrt{y^2+1}\right)}{\sqrt{x^2-1}}$  | H | SH | CDI  | MINUS |
| 9629 | 6865 | 1 | $\sqrt{x^2-1} \ln\left(y + \sqrt{y^2+1}\right) \pi$  | H | SH | CDF  | PLUS  |
| 9630 | 6866 | 1 | $\frac{\sqrt{x^2-1} \pi}{\ln\left(y + \sqrt{y^2+1}\right)}$  | H | SH | CDF  | MINUS |
| 9631 | 6867 | 1 | $\frac{1}{\sqrt{x^2-1} \ln\left(y + \sqrt{y^2+1}\right) \pi}$  | H | SH | CDIF | PLUS  |
| 9632 | 6868 | 1 | $\frac{\ln\left(y + \sqrt{y^2+1}\right)}{\sqrt{x^2-1} \pi}$  | H | SH | CDIF | MINUS |
| 9633 | 6869 | 1 | $\left(x^2 - 1\right) \left(\ln\left(y + \sqrt{y^2+1}\right)\right)^2$   | H | SH | AB   | PLUS  |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 9634 | 6870 | 1 | $\frac{x^2-1}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}$             | H | SH | AB  | MINUS |
| 9635 | 6871 | 1 | $\sqrt{\sqrt{x^2-1}\ln\left(y+\sqrt{y^2+1}\right)}$                       | H | SH | W   | PLUS  |
| 9636 | 6872 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2+1}\right)}}$              | H | SH | W   | MINUS |
| 9637 | 6873 | 1 | $\frac{1}{(x^2-1)\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}$          | H | SH | ABI | PLUS  |
| 9638 | 6874 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}{x^2-1}$             | H | SH | ABI | MINUS |
| 9639 | 6875 | 1 | $(x^2-1)^{3/2}\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3$              | H | SH | K   | PLUS  |
| 9640 | 6876 | 1 | $\frac{(x^2-1)^{3/2}}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}$     | H | SH | K   | MINUS |
| 9641 | 6877 | 1 | $\frac{1}{(x^2-1)^{3/2}\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}$    | H | SH | KI  | PLUS  |
| 9642 | 6878 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^3}{(x^2-1)^{3/2}}$     | H | SH | KI  | MINUS |
| 9643 | 6879 | 1 | $\left(y+\sqrt{y^2+1}\right)^{\sqrt{x^2-1}}$                              | H | SH | LL  | PLUS  |
| 9644 | 6880 | 1 | $e^{\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2+1}\right)}}$                 | H | SH | LL  | MINUS |
| 9645 | 6881 | 1 | $LOG\left(\sqrt{x^2-1}\ln\left(y+\sqrt{y^2+1}\right)\right)$              | H | SH | L   | PLUS  |
| 9646 | 6882 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$     | H | SH | L   | MINUS |
| 9647 | 6883 | 1 | $\arcsin\left(\sqrt{x^2-1}\ln\left(y+\sqrt{y^2+1}\right)\right)$          | H | SH | S   | PLUS  |
| 9648 | 6884 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$ | H | SH | S   | MINUS |
| 9649 | 6885 | 1 | $\arctan\left(\sqrt{x^2-1}\ln\left(y+\sqrt{y^2+1}\right)\right)$          | H | SH | T   | PLUS  |



|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9650 | 6886 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}\right)$   | H | SH | T    | MINUS |
| 9651 | 6887 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt{x^2-1}} - 1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt{x^2-1}}$                                 | H | SH | SH   | PLUS  |
| 9652 | 6888 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}}$                           | H | SH | SH   | MINUS |
| 9653 | 6889 | 1 | $1/2\left(y+\sqrt{y^2+1}\right)^{\sqrt{x^2-1}} + 1/2\left(y+\sqrt{y^2+1}\right)^{-\sqrt{x^2-1}}$                                 | H | SH | CH   | PLUS  |
| 9654 | 6890 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}}$                           | H | SH | CH   | MINUS |
| 9655 | 6891 | 1 | $\frac{\left(y+\sqrt{y^2+1}\right)^{2\sqrt{x^2-1}}-1}{\left(y+\sqrt{y^2+1}\right)^{2\sqrt{x^2-1}}+1}$                            | H | SH | TH   | PLUS  |
| 9656 | 6892 | 1 | $1\left(e^{2\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}}-1\right)\left(e^{2\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2+1})}}+1\right)^{-1}$ | H | SH | TH   | MINUS |
| 9657 | 6893 | 1 | $\sqrt{x^2-1}\ln\left(y+\sqrt{y^2-1}\right)$   | H | CH | CD   | PLUS  |
| 9658 | 6894 | 1 | $\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}$   | H | CH | CD   | MINUS |
| 9659 | 6895 | 1 | $\frac{1}{\sqrt{x^2-1}\ln(y+\sqrt{y^2-1})}$  | H | CH | CDI  | PLUS  |
| 9660 | 6896 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x^2-1}}$   | H | CH | CDI  | MINUS |
| 9661 | 6897 | 1 | $\sqrt{x^2-1}\ln\left(y+\sqrt{y^2-1}\right)\pi$  | H | CH | CDF  | PLUS  |
| 9662 | 6898 | 1 | $\frac{\sqrt{x^2-1}\pi}{\ln(y+\sqrt{y^2-1})}$  | H | CH | CDF  | MINUS |
| 9663 | 6899 | 1 | $\frac{1}{\sqrt{x^2-1}\ln(y+\sqrt{y^2-1})\pi}$   | H | CH | CDIF | PLUS  |
| 9664 | 6900 | 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\sqrt{x^2-1}\pi}$  | H | CH | CDIF | MINUS |
| 9665 | 6901 | 1 | $(x^2-1)\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2$   | H | CH | AB   | PLUS  |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 9666 | 6902 | 1 | $\frac{x^2-1}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}$             | H | CH | AB  | MINUS |
| 9667 | 6903 | 1 | $\sqrt{\sqrt{x^2-1}\ln\left(y+\sqrt{y^2-1}\right)}$                       | H | CH | W   | PLUS  |
| 9668 | 6904 | 1 | $\sqrt{\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2-1}\right)}}$              | H | CH | W   | MINUS |
| 9669 | 6905 | 1 | $\frac{1}{(x^2-1)\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}$          | H | CH | ABI | PLUS  |
| 9670 | 6906 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^2}{x^2-1}$             | H | CH | ABI | MINUS |
| 9671 | 6907 | 1 | $(x^2-1)^{3/2}\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3$              | H | CH | K   | PLUS  |
| 9672 | 6908 | 1 | $\frac{(x^2-1)^{3/2}}{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}$     | H | CH | K   | MINUS |
| 9673 | 6909 | 1 | $\frac{1}{(x^2-1)^{3/2}\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}$    | H | CH | KI  | PLUS  |
| 9674 | 6910 | 1 | $\frac{\left(\ln\left(y+\sqrt{y^2-1}\right)\right)^3}{(x^2-1)^{3/2}}$     | H | CH | KI  | MINUS |
| 9675 | 6911 | 1 | $\left(y+\sqrt{y^2-1}\right)^{\sqrt{x^2-1}}$                              | H | CH | LL  | PLUS  |
| 9676 | 6912 | 1 | $e^{\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2-1}\right)}}$                 | H | CH | LL  | MINUS |
| 9677 | 6913 | 1 | $LOG\left(\sqrt{x^2-1}\ln\left(y+\sqrt{y^2-1}\right)\right)$              | H | CH | L   | PLUS  |
| 9678 | 6914 | 1 | $LOG\left(\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$     | H | CH | L   | MINUS |
| 9679 | 6915 | 1 | $\arcsin\left(\sqrt{x^2-1}\ln\left(y+\sqrt{y^2-1}\right)\right)$          | H | CH | S   | PLUS  |
| 9680 | 6916 | 1 | $\arcsin\left(\frac{\sqrt{x^2-1}}{\ln\left(y+\sqrt{y^2-1}\right)}\right)$ | H | CH | S   | MINUS |
| 9681 | 6917 | 1 | $\arctan\left(\sqrt{x^2-1}\ln\left(y+\sqrt{y^2-1}\right)\right)$          | H | CH | T   | PLUS  |

|      |      |   |  |   |    |      |       |
|------|------|---|--|---|----|------|-------|
| 9682 | 6918 | 1 | $\arctan\left(\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}\right)$   | H | CH | T    | MINUS |
| 9683 | 6919 | 1 | $1/2 \left(y + \sqrt{y^2-1}\right)^{\sqrt{x^2-1}} - 1/2 \left(y + \sqrt{y^2-1}\right)^{-\sqrt{x^2-1}}$                                 | H | CH | SH   | PLUS  |
| 9684 | 6920 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}} - 1/2 e^{-\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}}$                                 | H | CH | SH   | MINUS |
| 9685 | 6921 | 1 | $1/2 \left(y + \sqrt{y^2-1}\right)^{\sqrt{x^2-1}} + 1/2 \left(y + \sqrt{y^2-1}\right)^{-\sqrt{x^2-1}}$                                 | H | CH | CH   | PLUS  |
| 9686 | 6922 | 1 | $1/2 e^{\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}} + 1/2 e^{-\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}}$                                 | H | CH | CH   | MINUS |
| 9687 | 6923 | 1 | $\frac{\left(y+\sqrt{y^2-1}\right)^{2\sqrt{x^2-1}}-1}{\left(y+\sqrt{y^2-1}\right)^{2\sqrt{x^2-1}}+1}$                                  | H | CH | TH   | PLUS  |
| 9688 | 6924 | 1 | $1 \left(e^{2\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}} - 1\right) \left(e^{2\frac{\sqrt{x^2-1}}{\ln(y+\sqrt{y^2-1})}} + 1\right)^{-1}$ | H | CH | TH   | MINUS |
| 9689 | 6925 | 1 | $1/2 \sqrt{x^2-1} \ln\left(\frac{-y-1}{y-1}\right)$  | H | TH | CD   | PLUS  |
| 9690 | 6926 | 1 | $2 \sqrt{x^2-1} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | H | TH | CD   | MINUS |
| 9691 | 6927 | 1 | $2 \frac{1}{\sqrt{x^2-1}} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | H | TH | CDI  | PLUS  |
| 9692 | 6928 | 1 | $1/2 \frac{1}{\sqrt{x^2-1}} \ln\left(\frac{-y-1}{y-1}\right)$  | H | TH | CDI  | MINUS |
| 9693 | 6929 | 1 | $1/2 \sqrt{x^2-1} \ln\left(\frac{-y-1}{y-1}\right) \pi$  | H | TH | CDF  | PLUS  |
| 9694 | 6930 | 1 | $2 \sqrt{x^2-1} \pi \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | H | TH | CDF  | MINUS |
| 9695 | 6931 | 1 | $2 \frac{1}{\sqrt{x^2-1}\pi} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | H | TH | CDIF | PLUS  |
| 9696 | 6932 | 1 | $1/2 \frac{1}{\sqrt{x^2-1}\pi} \ln\left(\frac{-y-1}{y-1}\right)$   | H | TH | CDIF | MINUS |
| 9697 | 6933 | 1 | $1/4 (x^2-1) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | H | TH | AB   | PLUS  |

|      |      |   |   |   |    |     |       |
|------|------|---|---|---|----|-----|-------|
| 9698 | 6934 | 1 | $(4x^2 - 4) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                              | H | TH | AB  | MINUS |
| 9699 | 6935 | 1 | $1/2 \sqrt{2} \sqrt{\sqrt{x^2 - 1} \ln \left( \frac{-y-1}{y-1} \right)}$                          | H | TH | W   | PLUS  |
| 9700 | 6936 | 1 | $\sqrt{2} \sqrt{\sqrt{x^2 - 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$          | H | TH | W   | MINUS |
| 9701 | 6937 | 1 | $4 \frac{1}{x^2 - 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$                     | H | TH | ABI | PLUS  |
| 9702 | 6938 | 1 | $\frac{1}{4x^2 - 4} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$                         | H | TH | ABI | MINUS |
| 9703 | 6939 | 1 | $1/8 (x^2 - 1)^{3/2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$                        | H | TH | K   | PLUS  |
| 9704 | 6940 | 1 | $8 (x^2 - 1)^{3/2} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$                       | H | TH | K   | MINUS |
| 9705 | 6941 | 1 | $8 \frac{1}{(x^2 - 1)^{3/2}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$             | H | TH | KI  | PLUS  |
| 9706 | 6942 | 1 | $1/8 \frac{1}{(x^2 - 1)^{3/2}} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$              | H | TH | KI  | MINUS |
| 9707 | 6943 | 1 | $\left( -\frac{y+1}{y-1} \right)^{1/2 \sqrt{x^2 - 1}}$  | H | TH | LL  | PLUS  |
| 9708 | 6944 | 1 | $e^{2 \sqrt{x^2 - 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$                    | H | TH | LL  | MINUS |
| 9709 | 6945 | 1 | $LOG \left( 1/2 \sqrt{x^2 - 1} \ln \left( \frac{-y-1}{y-1} \right) \right)$                       | H | TH | L   | PLUS  |
| 9710 | 6946 | 1 | $LOG \left( 2 \sqrt{x^2 - 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$     | H | TH | L   | MINUS |
| 9711 | 6947 | 1 | $\arcsin \left( 1/2 \sqrt{x^2 - 1} \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | H | TH | S   | PLUS  |
| 9712 | 6948 | 1 | $\arcsin \left( 2 \sqrt{x^2 - 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | H | TH | S   | MINUS |
| 9713 | 6949 | 1 | $\arctan \left( 1/2 \sqrt{x^2 - 1} \ln \left( \frac{-y-1}{y-1} \right) \right)$                   | H | TH | T   | PLUS  |
| 9714 | 6950 | 1 | $\arctan \left( 2 \sqrt{x^2 - 1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$ | H | TH | T   | MINUS |

|      |      |   |  |    |      |            |
|------|------|---|--|----|------|------------|
| 9715 | 6951 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt{x^2-1}} - 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt{x^2-1}} H$   | TH | SH   | PLUS       |
| 9716 | 6952 | 1 | $1/2 e^{2 \sqrt{x^2-1} (\ln(\frac{-y-1}{y-1}))^{-1}} - 1/2 e^{-2 \sqrt{x^2-1} (\ln(\frac{-y-1}{y-1}))^{-1}} H$   | TH | SH   | MINUS      |
| 9717 | 6953 | 1 | $1/2 \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt{x^2-1}} + 1/2 \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt{x^2-1}} H$   | TH | CH   | PLUS       |
| 9718 | 6954 | 1 | $1/2 e^{2 \sqrt{x^2-1} (\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 e^{-2 \sqrt{x^2-1} (\ln(\frac{-y-1}{y-1}))^{-1}} H$   | TH | CH   | MINUS      |
| 9719 | 6955 | 1 | $1 \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt{x^2-1}} - \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt{x^2-1}} \right) \left( \left( \frac{-y-1}{y-1} \right)^{1/2 \sqrt{x^2-1}} H - \left( \frac{-y-1}{y-1} \right)^{-1/2 \sqrt{x^2-1}} H \right)^{-1}$ | TH | TH   | PLUS       |
| 9720 | 6956 | 1 | $1 \left( e^{4 \sqrt{x^2-1} (\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right) \left( e^{4 \sqrt{x^2-1} (\ln(\frac{-y-1}{y-1}))^{-1}} H + \Pi \right)^{-1} H$   | TH |      | MINUS      |
| 9721 | 6957 | 1 | $\ln(x + \sqrt{x^2+1}) y$  | SH | CD   | CD PLUS    |
| 9722 | 6957 | 2 |  | SH | CDI  | CD MINUS   |
| 9723 | 6957 | 3 |  | SH | CDF  | CDF PLUS   |
| 9724 | 6958 | 1 | $\frac{\ln(x + \sqrt{x^2+1})}{y}$  | SH | CD   | CD MINUS   |
| 9725 | 6958 | 2 |  | SH | CDI  | CD PLUS    |
| 9726 | 6958 | 3 |  | SH | CDIF | CDF PLUS   |
| 9727 | 6959 | 1 | $\frac{1}{\ln(x + \sqrt{x^2+1}) y}$  | SH | CD   | CDI PLUS   |
| 9728 | 6959 | 2 |  | SH | CDI  | CDI MINUS  |
| 9729 | 6959 | 3 |  | SH | CDF  | CDIF PLUS  |
| 9730 | 6960 | 1 | $\frac{y}{\ln(x + \sqrt{x^2+1})}$  | SH | CD   | CDI MINUS  |
| 9731 | 6960 | 2 |  | SH | CDI  | CDI PLUS   |
| 9732 | 6960 | 3 |  | SH | CDIF | CDIF PLUS  |
| 9733 | 6961 | 1 | $\ln(x + \sqrt{x^2+1}) y \pi$  | SH | CD   | CDF PLUS   |
| 9734 | 6961 | 2 |  | SH | CDI  | CDF MINUS  |
| 9735 | 6961 | 3 |  | SH | CDIF | CD MINUS   |
| 9736 | 6962 | 1 | $\frac{\ln(x + \sqrt{x^2+1}) \pi}{y}$  | SH | CD   | CDF MINUS  |
| 9737 | 6962 | 2 |  | SH | CDI  | CDF PLUS   |
| 9738 | 6962 | 3 |  | SH | CDF  | CD MINUS   |
| 9739 | 6963 | 1 | $\frac{1}{\ln(x + \sqrt{x^2+1}) y \pi}$  | SH | CD   | CDIF PLUS  |
| 9740 | 6963 | 2 |  | SH | CDI  | CDIF MINUS |

|      |      |   |   |    |      |      |       |
|------|------|---|---|----|------|------|-------|
| 9741 | 6963 | 3 |   | SH | CDIF | CDI  | MINUS |
| 9742 | 6964 | 1 | $\frac{y}{\ln(x+\sqrt{x^2+1})\pi}$      | SH | CD   | CDIF | MINUS |
| 9743 | 6964 | 2 |   | SH | CDI  | CDIF | PLUS  |
| 9744 | 6964 | 3 |   | SH | CDF  | CDI  | MINUS |
| 9745 | 6965 | 1 | $(\ln(x+\sqrt{x^2+1}))^2 y^2$           | SH | CD   | AB   | PLUS  |
| 9746 | 6965 | 2 |   | SH | CDI  | AB   | MINUS |
| 9747 | 6966 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{y^2}$   | SH | CD   | AB   | MINUS |
| 9748 | 6966 | 2 |   | SH | CDI  | AB   | PLUS  |
| 9749 | 6967 | 1 | $\sqrt{\ln(x+\sqrt{x^2+1})} y$          | SH | CD   | W    | PLUS  |
| 9750 | 6967 | 2 |   | SH | CDI  | W    | MINUS |
| 9751 | 6968 | 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{y}}$  | SH | CD   | W    | MINUS |
| 9752 | 6968 | 2 |   | SH | CDI  | W    | PLUS  |
| 9753 | 6969 | 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 y^2}$ | SH | CD   | ABI  | PLUS  |
| 9754 | 6969 | 2 |   | SH | CDI  | ABI  | MINUS |
| 9755 | 6970 | 1 | $\frac{y^2}{(\ln(x+\sqrt{x^2+1}))^2}$   | SH | CD   | ABI  | MINUS |
| 9756 | 6970 | 2 |   | SH | CDI  | ABI  | PLUS  |
| 9757 | 6971 | 1 | $(\ln(x+\sqrt{x^2+1}))^3 y^3$           | SH | CD   | K    | PLUS  |
| 9758 | 6971 | 2 |   | SH | CDI  | K    | MINUS |
| 9759 | 6972 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{y^3}$   | SH | CD   | K    | MINUS |
| 9760 | 6972 | 2 |   | SH | CDI  | K    | PLUS  |
| 9761 | 6973 | 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 y^3}$ | SH | CD   | KI   | PLUS  |
| 9762 | 6973 | 2 |   | SH | CDI  | KI   | MINUS |
| 9763 | 6974 | 1 | $\frac{y^3}{(\ln(x+\sqrt{x^2+1}))^3}$   | SH | CD   | KI   | MINUS |
| 9764 | 6974 | 2 |   | SH | CDI  | KI   | PLUS  |
| 9765 | 6975 | 1 | $(x+\sqrt{x^2+1})^y$                    | SH | CD   | LL   | PLUS  |
| 9766 | 6975 | 2 |   | SH | CDI  | LL   | MINUS |
| 9767 | 6976 | 1 | $\sqrt[y]{x+\sqrt{x^2+1}}$              | SH | CD   | LL   | MINUS |

|      |      |   |   |    |     |    |       |
|------|------|---|---|----|-----|----|-------|
| 9768 | 6976 | 2 |   | SH | CDI | LL | PLUS  |
| 9769 | 6977 | 1 | $LOG (\ln (x + \sqrt{x^2 + 1}) y)$                                      | SH | CD  | L  | PLUS  |
| 9770 | 6977 | 2 |   | SH | CDI | L  | MINUS |
| 9771 | 6978 | 1 | $LOG \left( \frac{\ln(x + \sqrt{x^2 + 1})}{y} \right)$                  | SH | CD  | L  | MINUS |
| 9772 | 6978 | 2 |   | SH | CDI | L  | PLUS  |
| 9773 | 6979 | 1 | $\arcsin (\ln (x + \sqrt{x^2 + 1}) y)$                                  | SH | CD  | S  | PLUS  |
| 9774 | 6979 | 2 |   | SH | CDI | S  | MINUS |
| 9775 | 6980 | 1 | $\arcsin \left( \frac{\ln(x + \sqrt{x^2 + 1})}{y} \right)$              | SH | CD  | S  | MINUS |
| 9776 | 6980 | 2 |   | SH | CDI | S  | PLUS  |
| 9777 | 6981 | 1 | $\arctan (\ln (x + \sqrt{x^2 + 1}) y)$                                  | SH | CD  | T  | PLUS  |
| 9778 | 6981 | 2 |   | SH | CDI | T  | MINUS |
| 9779 | 6982 | 1 | $\arctan \left( \frac{\ln(x + \sqrt{x^2 + 1})}{y} \right)$              | SH | CD  | T  | MINUS |
| 9780 | 6982 | 2 |   | SH | CDI | T  | PLUS  |
| 9781 | 6983 | 1 | $\sqrt{-\left(\ln (x + \sqrt{x^2 + 1})\right)^2 y^2 + 1}$               | SH | CD  | P  | PLUS  |
| 9782 | 6983 | 2 |   | SH | CDI | P  | MINUS |
| 9783 | 6984 | 1 | $\sqrt{-\frac{\left(\ln(x + \sqrt{x^2 + 1})\right)^2 - y^2}{y^2}}$      | SH | CD  | P  | MINUS |
| 9784 | 6984 | 2 |   | SH | CDI | P  | PLUS  |
| 9785 | 6985 | 1 | $\sqrt{\left(\ln (x + \sqrt{x^2 + 1})\right)^2 y^2 + 1}$                | SH | CD  | H  | PLUS  |
| 9786 | 6985 | 2 |   | SH | CDI | H  | MINUS |
| 9787 | 6986 | 1 | $\sqrt{\frac{\left(\ln(x + \sqrt{x^2 + 1})\right)^2 + y^2}{y^2}}$       | SH | CD  | H  | MINUS |
| 9788 | 6986 | 2 |   | SH | CDI | H  | PLUS  |
| 9789 | 6987 | 1 | $1/2 (x + \sqrt{x^2 + 1})^y - 1/2 (x + \sqrt{x^2 + 1})^{-y}$            | SH | CD  | SH | PLUS  |
| 9790 | 6987 | 2 |   | SH | CDI | SH | MINUS |
| 9791 | 6988 | 1 | $1/2 \sqrt[y]{x + \sqrt{x^2 + 1}} - 1/2 (x + \sqrt{x^2 + 1})^{-y^{-1}}$ | SH | CD  | SH | MINUS |
| 9792 | 6988 | 2 |   | SH | CDI | SH | PLUS  |

|      |      |   |  |    |     |      |       |
|------|------|---|--|----|-----|------|-------|
| 9793 | 6989 | 1 | $1/2 (x + \sqrt{x^2 + 1})^y + 1/2 (x + \sqrt{x^2 + 1})^{-y}$   | SH | CD  | CH   | PLUS  |
| 9794 | 6989 | 2 |  | SH | CDI | CH   | MINUS |
| 9795 | 6990 | 1 | $1/2 \sqrt[y]{x + \sqrt{x^2 + 1}} + 1/2 (x + \sqrt{x^2 + 1})^{-y^{-1}}$                                      | SH | CD  | CH   | MINUS |
| 9796 | 6990 | 2 |  | SH | CDI | CH   | PLUS  |
| 9797 | 6991 | 1 | $\frac{(x + \sqrt{x^2 + 1})^{2y} - 1}{(x + \sqrt{x^2 + 1})^{2y} + 1}$  | SH | CD  | TH   | PLUS  |
| 9798 | 6991 | 2 |  | SH | CDI | TH   | MINUS |
| 9799 | 6992 | 1 | $1 \left( (x + \sqrt{x^2 + 1})^{2y^{-1}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^{2y^{-1}} + 1 \right)^{-1}$ | SH | CD  | TH   | MINUS |
| 9800 | 6992 | 2 |  | SH | CDI | TH   | PLUS  |
| 9801 | 6993 | 1 | $\frac{\ln(x + \sqrt{x^2 + 1})y}{\pi}$   | SH | CDF | CD   | PLUS  |
| 9802 | 6994 | 1 | $\frac{\pi}{\ln(x + \sqrt{x^2 + 1})y}$   | SH | CDF | CDI  | PLUS  |
| 9803 | 6995 | 1 | $\frac{\ln(x + \sqrt{x^2 + 1})\pi^2}{y}$   | SH | CDF | CDF  | MINUS |
| 9804 | 6996 | 1 | $\frac{y}{\ln(x + \sqrt{x^2 + 1})\pi^2}$   | SH | CDF | CDIF | MINUS |
| 9805 | 6997 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^2 y^2}{\pi^2}$  | SH | CDF | AB   | PLUS  |
| 9806 | 6998 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^2 \pi^2}{y^2}$  | SH | CDF | AB   | MINUS |
| 9807 | 6999 | 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 + 1})y}{\pi}}$  | SH | CDF | W    | PLUS  |
| 9808 | 7000 | 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 + 1})\pi}{y}}$  | SH | CDF | W    | MINUS |
| 9809 | 7001 | 1 | $\frac{\pi^2}{(\ln(x + \sqrt{x^2 + 1}))^2 y^2}$  | SH | CDF | ABI  | PLUS  |
| 9810 | 7002 | 1 | $\frac{y^2}{(\ln(x + \sqrt{x^2 + 1}))^2 \pi^2}$  | SH | CDF | ABI  | MINUS |
| 9811 | 7003 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^3 y^3}{\pi^3}$  | SH | CDF | K    | PLUS  |
| 9812 | 7004 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^3 \pi^3}{y^3}$  | SH | CDF | K    | MINUS |



|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 9813 | 7005 | 1 | $\frac{\pi^3}{(\ln(x+\sqrt{x^2+1}))^3 y^3}$  | SH | CDF | KI | PLUS  |
| 9814 | 7006 | 1 | $\frac{y^3}{(\ln(x+\sqrt{x^2+1}))^3 \pi^3}$  | SH | CDF | KI | MINUS |
| 9815 | 7007 | 1 | $(x + \sqrt{x^2 + 1})^{\frac{y}{\pi}}$   | SH | CDF | LL | PLUS  |
| 9816 | 7008 | 1 | $(x + \sqrt{x^2 + 1})^{\frac{\pi}{y}}$   | SH | CDF | LL | MINUS |
| 9817 | 7009 | 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})y}{\pi}\right)$                                     | SH | CDF | L  | PLUS  |
| 9818 | 7010 | 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})\pi}{y}\right)$                                     | SH | CDF | L  | MINUS |
| 9819 | 7011 | 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})y}{\pi}\right)$                                 | SH | CDF | S  | PLUS  |
| 9820 | 7012 | 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})\pi}{y}\right)$                                 | SH | CDF | S  | MINUS |
| 9821 | 7013 | 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})y}{\pi}\right)$                                 | SH | CDF | T  | PLUS  |
| 9822 | 7014 | 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})\pi}{y}\right)$                                 | SH | CDF | T  | MINUS |
| 9823 | 7015 | 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2+1}))^2 y^2 - \pi^2}{\pi^2}}$                            | SH | CDF | P  | PLUS  |
| 9824 | 7016 | 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2+1}))^2 \pi^2 - y^2}{y^2}}$                              | SH | CDF | P  | MINUS |
| 9825 | 7017 | 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2+1}))^2 y^2 + \pi^2}{\pi^2}}$                             | SH | CDF | H  | PLUS  |
| 9826 | 7018 | 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2+1}))^2 \pi^2 + y^2}{y^2}}$                               | SH | CDF | H  | MINUS |
| 9827 | 7019 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{y}{\pi}} - 1/2 (x + \sqrt{x^2 + 1})^{-\frac{y}{\pi}}$ | SH | CDF | SH | PLUS  |
| 9828 | 7020 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{\pi}{y}} - 1/2 (x + \sqrt{x^2 + 1})^{-\frac{\pi}{y}}$ | SH | CDF | SH | MINUS |
| 9829 | 7021 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{y}{\pi}} + 1/2 (x + \sqrt{x^2 + 1})^{-\frac{y}{\pi}}$ | SH | CDF | CH | PLUS  |

|      |      |   |  |    |      |      |       |
|------|------|---|--|----|------|------|-------|
| 9830 | 7022 | 1 | $1/2 \left( x + \sqrt{x^2 + 1} \right)^{\frac{\pi}{y}} + 1/2 \left( x + \sqrt{x^2 + 1} \right)^{-\frac{\pi}{y}}$   | SH | CDF  | CH   | MINUS |
| 9831 | 7023 | 1 | $1 \left( \left( x + \sqrt{x^2 + 1} \right)^{2 \frac{y}{\pi}} - 1 \right) \left( \left( x + \sqrt{x^2 + 1} \right)^{2 \frac{y}{\pi}} + \text{SH} \right)^{-1}$ |    | CDF  | TH   | PLUS  |
| 9832 | 7024 | 1 | $1 \left( \left( x + \sqrt{x^2 + 1} \right)^{2 \frac{\pi}{y}} - 1 \right) \left( \left( x + \sqrt{x^2 + 1} \right)^{2 \frac{\pi}{y}} + \text{SH} \right)^{-1}$ |    | CDF  | TH   | MINUS |
| 9833 | 7025 | 1 | $\frac{\ln(x + \sqrt{x^2 + 1})}{y\pi}$   | SH | CDIF | CD   | PLUS  |
| 9834 | 7026 | 1 | $\frac{y\pi}{\ln(x + \sqrt{x^2 + 1})}$   | SH | CDIF | CDI  | PLUS  |
| 9835 | 7027 | 1 | $\ln(x + \sqrt{x^2 + 1}) y\pi^2$   | SH | CDIF | CDF  | MINUS |
| 9836 | 7028 | 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) y\pi^2}$   | SH | CDIF | CDIF | MINUS |
| 9837 | 7029 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^2}{y^2\pi^2}$   | SH | CDIF | AB   | PLUS  |
| 9838 | 7030 | 1 | $(\ln(x + \sqrt{x^2 + 1}))^2 y^2\pi^2$   | SH | CDIF | AB   | MINUS |
| 9839 | 7031 | 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 + 1})}{y\pi}}$  | SH | CDIF | W    | PLUS  |
| 9840 | 7032 | 1 | $\sqrt{\ln(x + \sqrt{x^2 + 1})} y\pi$  | SH | CDIF | W    | MINUS |
| 9841 | 7033 | 1 | $\frac{y^2\pi^2}{(\ln(x + \sqrt{x^2 + 1}))^2}$   | SH | CDIF | ABI  | PLUS  |
| 9842 | 7034 | 1 | $\frac{1}{(\ln(x + \sqrt{x^2 + 1}))^2 y^2\pi^2}$   | SH | CDIF | ABI  | MINUS |
| 9843 | 7035 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^3}{y^3\pi^3}$   | SH | CDIF | K    | PLUS  |
| 9844 | 7036 | 1 | $(\ln(x + \sqrt{x^2 + 1}))^3 y^3\pi^3$   | SH | CDIF | K    | MINUS |
| 9845 | 7037 | 1 | $\frac{y^3\pi^3}{(\ln(x + \sqrt{x^2 + 1}))^3}$   | SH | CDIF | KI   | PLUS  |
| 9846 | 7038 | 1 | $\frac{1}{(\ln(x + \sqrt{x^2 + 1}))^3 y^3\pi^3}$   | SH | CDIF | KI   | MINUS |
| 9847 | 7039 | 1 | $(x + \sqrt{x^2 + 1})^{\frac{1}{y\pi}}$  | SH | CDIF | LL   | PLUS  |

|      |      |   |  |    |      |    |       |
|------|------|---|--|----|------|----|-------|
| 9848 | 7040 | 1 | $(x + \sqrt{x^2 + 1})^{y\pi}$  | SH | CDIF | LL | MINUS |
| 9849 | 7041 | 1 | $LOG \left( \frac{\ln(x + \sqrt{x^2 + 1})}{y\pi} \right)$  | SH | CDIF | L  | PLUS  |
| 9850 | 7042 | 1 | $LOG (\ln (x + \sqrt{x^2 + 1}) y\pi)$  | SH | CDIF | L  | MINUS |
| 9851 | 7043 | 1 | $\arcsin \left( \frac{\ln(x + \sqrt{x^2 + 1})}{y\pi} \right)$  | SH | CDIF | S  | PLUS  |
| 9852 | 7044 | 1 | $\arcsin (\ln (x + \sqrt{x^2 + 1}) y\pi)$  | SH | CDIF | S  | MINUS |
| 9853 | 7045 | 1 | $\arctan \left( \frac{\ln(x + \sqrt{x^2 + 1})}{y\pi} \right)$  | SH | CDIF | T  | PLUS  |
| 9854 | 7046 | 1 | $\arctan (\ln (x + \sqrt{x^2 + 1}) y\pi)$  | SH | CDIF | T  | MINUS |
| 9855 | 7047 | 1 | $\sqrt{-\frac{y^2\pi^2 + (\ln(x + \sqrt{x^2 + 1}))^2}{y^2\pi^2}}$  | SH | CDIF | P  | PLUS  |
| 9856 | 7048 | 1 | $\sqrt{-(\ln(x + \sqrt{x^2 + 1}))^2 y^2\pi^2 + 1}$   | SH | CDIF | P  | MINUS |
| 9857 | 7049 | 1 | $\sqrt{\frac{y^2\pi^2 + (\ln(x + \sqrt{x^2 + 1}))^2}{y^2\pi^2}}$   | SH | CDIF | H  | PLUS  |
| 9858 | 7050 | 1 | $\sqrt{(\ln(x + \sqrt{x^2 + 1}))^2 y^2\pi^2 + 1}$  | SH | CDIF | H  | MINUS |
| 9859 | 7051 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{y\pi}} - 1/2 (x + \sqrt{x^2 + 1})^{-\frac{1}{y\pi}}$                                     | SH | CDIF | SH | PLUS  |
| 9860 | 7052 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{y\pi} - 1/2 (x + \sqrt{x^2 + 1})^{-y\pi}$   | SH | CDIF | SH | MINUS |
| 9861 | 7053 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{y\pi}} + 1/2 (x + \sqrt{x^2 + 1})^{-\frac{1}{y\pi}}$                                     | SH | CDIF | CH | PLUS  |
| 9862 | 7054 | 1 | $1/2 (x + \sqrt{x^2 + 1})^{y\pi} + 1/2 (x + \sqrt{x^2 + 1})^{-y\pi}$   | SH | CDIF | CH | MINUS |
| 9863 | 7055 | 1 | $1 \left( (x + \sqrt{x^2 + 1})^{2\frac{1}{y\pi}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^{2\frac{1}{y\pi}} - 1 \right)^{-1}$ | SH | CDIF | TH | PLUS  |
| 9864 | 7056 | 1 | $\frac{(x + \sqrt{x^2 + 1})^{2y\pi} - 1}{(x + \sqrt{x^2 + 1})^{2y\pi} + 1}$  | SH | CDIF | TH | MINUS |
| 9865 | 7057 | 1 | $\ln(x + \sqrt{x^2 + 1}) \sqrt{y}$   | SH | AB   | CD | PLUS  |
| 9866 | 7057 | 2 |  | SH | ABI  | CD | MINUS |

|      |      |   |   |    |     |      |       |
|------|------|---|---|----|-----|------|-------|
| 9867 | 7058 | 1 | $\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{y}}$        | SH | AB  | CD   | MINUS |
| 9868 | 7058 | 2 |   | SH | ABI | CD   | PLUS  |
| 9869 | 7059 | 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt{y}}$       | SH | AB  | CDI  | PLUS  |
| 9870 | 7059 | 2 |   | SH | ABI | CDI  | MINUS |
| 9871 | 7060 | 1 | $\frac{\sqrt{y}}{\ln(x+\sqrt{x^2+1})}$        | SH | AB  | CDI  | MINUS |
| 9872 | 7060 | 2 |   | SH | ABI | CDI  | PLUS  |
| 9873 | 7061 | 1 | $\ln(x+\sqrt{x^2+1})\sqrt{y}\pi$              | SH | AB  | CDF  | PLUS  |
| 9874 | 7061 | 2 |   | SH | ABI | CDF  | MINUS |
| 9875 | 7062 | 1 | $\frac{\ln(x+\sqrt{x^2+1})\pi}{\sqrt{y}}$     | SH | AB  | CDF  | MINUS |
| 9876 | 7062 | 2 |   | SH | ABI | CDF  | PLUS  |
| 9877 | 7063 | 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt{y}\pi}$    | SH | AB  | CDIF | PLUS  |
| 9878 | 7063 | 2 |   | SH | ABI | CDIF | MINUS |
| 9879 | 7064 | 1 | $\frac{\sqrt{y}}{\ln(x+\sqrt{x^2+1})\pi}$     | SH | AB  | CDIF | MINUS |
| 9880 | 7064 | 2 |   | SH | ABI | CDIF | PLUS  |
| 9881 | 7065 | 1 | $(\ln(x+\sqrt{x^2+1}))^2 y$                   | SH | AB  | AB   | PLUS  |
| 9882 | 7065 | 2 |   | SH | ABI | AB   | MINUS |
| 9883 | 7066 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{y}$           | SH | AB  | AB   | MINUS |
| 9884 | 7066 | 2 |   | SH | ABI | AB   | PLUS  |
| 9885 | 7067 | 1 | $\sqrt{\ln(x+\sqrt{x^2+1})}\sqrt{y}$          | SH | AB  | W    | PLUS  |
| 9886 | 7067 | 2 |   | SH | ABI | W    | MINUS |
| 9887 | 7068 | 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{y}}}$ | SH | AB  | W    | MINUS |
| 9888 | 7068 | 2 |   | SH | ABI | W    | PLUS  |
| 9889 | 7069 | 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 y}$         | SH | AB  | ABI  | PLUS  |
| 9890 | 7069 | 2 |   | SH | ABI | ABI  | MINUS |
| 9891 | 7070 | 1 | $\frac{y}{(\ln(x+\sqrt{x^2+1}))^2}$           | SH | AB  | ABI  | MINUS |
| 9892 | 7070 | 2 |   | SH | ABI | ABI  | PLUS  |

|      |      |   |  |    |     |    |       |
|------|------|---|--|----|-----|----|-------|
| 9893 | 7071 | 1 | $(\ln(x + \sqrt{x^2 + 1}))^3 y^{3/2}$                          | SH | AB  | K  | PLUS  |
| 9894 | 7071 | 2 |  | SH | ABI | K  | MINUS |
| 9895 | 7072 | 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^3}{y^{3/2}}$                  | SH | AB  | K  | MINUS |
| 9896 | 7072 | 2 |  | SH | ABI | K  | PLUS  |
| 9897 | 7073 | 1 | $\frac{1}{(\ln(x + \sqrt{x^2 + 1}))^3 y^{3/2}}$                | SH | AB  | KI | PLUS  |
| 9898 | 7073 | 2 |  | SH | ABI | KI | MINUS |
| 9899 | 7074 | 1 | $\frac{y^{3/2}}{(\ln(x + \sqrt{x^2 + 1}))^3}$                  | SH | AB  | KI | MINUS |
| 9900 | 7074 | 2 |  | SH | ABI | KI | PLUS  |
| 9901 | 7075 | 1 | $(x + \sqrt{x^2 + 1}) \sqrt{y}$                                | SH | AB  | LL | PLUS  |
| 9902 | 7075 | 2 |  | SH | ABI | LL | MINUS |
| 9903 | 7076 | 1 | $(x + \sqrt{x^2 + 1}) \frac{1}{\sqrt{y}}$                      | SH | AB  | LL | MINUS |
| 9904 | 7076 | 2 |  | SH | ABI | LL | PLUS  |
| 9905 | 7077 | 1 | $LOG(\ln(x + \sqrt{x^2 + 1}) \sqrt{y})$                        | SH | AB  | L  | PLUS  |
| 9906 | 7077 | 2 |  | SH | ABI | L  | MINUS |
| 9907 | 7078 | 1 | $LOG\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y}}\right)$     | SH | AB  | L  | MINUS |
| 9908 | 7078 | 2 |  | SH | ABI | L  | PLUS  |
| 9909 | 7079 | 1 | $\arcsin(\ln(x + \sqrt{x^2 + 1}) \sqrt{y})$                    | SH | AB  | S  | PLUS  |
| 9910 | 7079 | 2 |  | SH | ABI | S  | MINUS |
| 9911 | 7080 | 1 | $\arcsin\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y}}\right)$ | SH | AB  | S  | MINUS |
| 9912 | 7080 | 2 |  | SH | ABI | S  | PLUS  |
| 9913 | 7081 | 1 | $\arctan(\ln(x + \sqrt{x^2 + 1}) \sqrt{y})$                    | SH | AB  | T  | PLUS  |
| 9914 | 7081 | 2 |  | SH | ABI | T  | MINUS |
| 9915 | 7082 | 1 | $\arctan\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y}}\right)$ | SH | AB  | T  | MINUS |
| 9916 | 7082 | 2 |  | SH | ABI | T  | PLUS  |
| 9917 | 7083 | 1 | $\sqrt{-(\ln(x + \sqrt{x^2 + 1}))^2 y + 1}$                    | SH | AB  | P  | PLUS  |
| 9918 | 7083 | 2 |  | SH | ABI | P  | MINUS |

|      |      |   |  |    |     |     |       |
|------|------|---|--|----|-----|-----|-------|
| 9919 | 7084 | 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2+1}))^2-y}{y}}$  | SH | AB  | P   | MINUS |
| 9920 | 7084 | 2 |  | SH | ABI | P   | PLUS  |
| 9921 | 7085 | 1 | $\sqrt{(\ln(x+\sqrt{x^2+1}))^2 y + 1}$   | SH | AB  | H   | PLUS  |
| 9922 | 7085 | 2 |  | SH | ABI | H   | MINUS |
| 9923 | 7086 | 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2+1}))^2+y}{y}}$   | SH | AB  | H   | MINUS |
| 9924 | 7086 | 2 |  | SH | ABI | H   | PLUS  |
| 9925 | 7087 | 1 | $1/2 (x + \sqrt{x^2+1})^{\sqrt{y}} - 1/2 (x + \sqrt{x^2+1})^{-\sqrt{y}}$   | SH | AB  | SH  | PLUS  |
| 9926 | 7087 | 2 |  | SH | ABI | SH  | MINUS |
| 9927 | 7088 | 1 | $1/2 (x + \sqrt{x^2+1})^{\frac{1}{\sqrt{y}}} - 1/2 (x + \sqrt{x^2+1})^{-\frac{1}{\sqrt{y}}}$                                     | SH | AB  | SH  | MINUS |
| 9928 | 7088 | 2 |  | SH | ABI | SH  | PLUS  |
| 9929 | 7089 | 1 | $1/2 (x + \sqrt{x^2+1})^{\sqrt{y}} + 1/2 (x + \sqrt{x^2+1})^{-\sqrt{y}}$   | SH | AB  | CH  | PLUS  |
| 9930 | 7089 | 2 |  | SH | ABI | CH  | MINUS |
| 9931 | 7090 | 1 | $1/2 (x + \sqrt{x^2+1})^{\frac{1}{\sqrt{y}}} + 1/2 (x + \sqrt{x^2+1})^{-\frac{1}{\sqrt{y}}}$                                     | SH | AB  | CH  | MINUS |
| 9932 | 7090 | 2 |  | SH | ABI | CH  | PLUS  |
| 9933 | 7091 | 1 | $\frac{(x+\sqrt{x^2+1})^{2\sqrt{y}}-1}{(x+\sqrt{x^2+1})^{2\sqrt{y}}+1}$  | SH | AB  | TH  | PLUS  |
| 9934 | 7091 | 2 |  | SH | ABI | TH  | MINUS |
| 9935 | 7092 | 1 | $1 \left( (x + \sqrt{x^2+1})^{2\frac{1}{\sqrt{y}}} - 1 \right) \left( (x + \sqrt{x^2+1})^{2\frac{1}{\sqrt{y}}} - 1 \right)^{-1}$ | SH | AB  | TH  | MINUS |
| 9936 | 7092 | 2 |  | SH | ABI | TH  | PLUS  |
| 9937 | 7093 | 1 | $\ln(x + \sqrt{x^2+1}) y^2$  | SH | W   | CD  | PLUS  |
| 9938 | 7094 | 1 | $\frac{\ln(x+\sqrt{x^2+1})}{y^2}$  | SH | W   | CD  | MINUS |
| 9939 | 7095 | 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})y^2}$   | SH | W   | CDI | PLUS  |
| 9940 | 7096 | 1 | $\frac{y^2}{\ln(x+\sqrt{x^2+1})}$  | SH | W   | CDI | MINUS |
| 9941 | 7097 | 1 | $\ln(x + \sqrt{x^2+1}) y^2 \pi$  | SH | W   | CDF | PLUS  |

|      |      |   |   |    |   |      |       |
|------|------|---|---|----|---|------|-------|
| 9942 | 7098 | 1 | $\frac{\ln(x+\sqrt{x^2+1})\pi}{y^2}$              | SH | W | CDF  | MINUS |
| 9943 | 7099 | 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})y^2\pi}$             | SH | W | CDIF | PLUS  |
| 9944 | 7100 | 1 | $\frac{y^2}{\ln(x+\sqrt{x^2+1})\pi}$              | SH | W | CDIF | MINUS |
| 9945 | 7101 | 1 | $(\ln(x+\sqrt{x^2+1}))^2 y^4$                     | SH | W | AB   | PLUS  |
| 9946 | 7102 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{y^4}$             | SH | W | AB   | MINUS |
| 9947 | 7103 | 1 | $\sqrt{\ln(x+\sqrt{x^2+1})} y^2$                  | SH | W | W    | PLUS  |
| 9948 | 7104 | 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{y^2}}$          | SH | W | W    | MINUS |
| 9949 | 7105 | 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 y^4}$           | SH | W | ABI  | PLUS  |
| 9950 | 7106 | 1 | $\frac{y^4}{(\ln(x+\sqrt{x^2+1}))^2}$             | SH | W | ABI  | MINUS |
| 9951 | 7107 | 1 | $(\ln(x+\sqrt{x^2+1}))^3 y^6$                     | SH | W | K    | PLUS  |
| 9952 | 7108 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{y^6}$             | SH | W | K    | MINUS |
| 9953 | 7109 | 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 y^6}$           | SH | W | KI   | PLUS  |
| 9954 | 7110 | 1 | $\frac{y^6}{(\ln(x+\sqrt{x^2+1}))^3}$             | SH | W | KI   | MINUS |
| 9955 | 7111 | 1 | $(x+\sqrt{x^2+1})^{y^2}$                          | SH | W | LL   | PLUS  |
| 9956 | 7112 | 1 | $(x+\sqrt{x^2+1})^{y^{-2}}$                       | SH | W | LL   | MINUS |
| 9957 | 7113 | 1 | $LOG(\ln(x+\sqrt{x^2+1}) y^2)$                    | SH | W | L    | PLUS  |
| 9958 | 7114 | 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{y^2}\right)$ | SH | W | L    | MINUS |
| 9959 | 7115 | 1 | $\arcsin(\ln(x+\sqrt{x^2+1}) y^2)$                | SH | W | S    | PLUS  |

|      |      |   |   |    |    |     |       |
|------|------|---|---|----|----|-----|-------|
| 9960 | 7116 | 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{y^2}\right)$   | SH | W  | S   | MINUS |
| 9961 | 7117 | 1 | $\arctan(\ln(x+\sqrt{x^2+1})y^2)$   | SH | W  | T   | PLUS  |
| 9962 | 7118 | 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{y^2}\right)$   | SH | W  | T   | MINUS |
| 9963 | 7119 | 1 | $\sqrt{-(\ln(x+\sqrt{x^2+1}))^2 y^4 + 1}$   | SH | W  | P   | PLUS  |
| 9964 | 7120 | 1 | $\sqrt{-\frac{-y^4+(\ln(x+\sqrt{x^2+1}))^2}{y^4}}$  | SH | W  | P   | MINUS |
| 9965 | 7121 | 1 | $\sqrt{(\ln(x+\sqrt{x^2+1}))^2 y^4 + 1}$  | SH | W  | H   | PLUS  |
| 9966 | 7122 | 1 | $\sqrt{\frac{y^4+(\ln(x+\sqrt{x^2+1}))^2}{y^4}}$  | SH | W  | H   | MINUS |
| 9967 | 7123 | 1 | $1/2 (x+\sqrt{x^2+1})^{y^2} - 1/2 (x+\sqrt{x^2+1})^{-y^2}$  | SH | W  | SH  | PLUS  |
| 9968 | 7124 | 1 | $1/2 (x+\sqrt{x^2+1})^{y^{-2}} - 1/2 (x+\sqrt{x^2+1})^{-y^{-2}}$                                  | SH | W  | SH  | MINUS |
| 9969 | 7125 | 1 | $1/2 (x+\sqrt{x^2+1})^{y^2} + 1/2 (x+\sqrt{x^2+1})^{-y^2}$  | SH | W  | CH  | PLUS  |
| 9970 | 7126 | 1 | $1/2 (x+\sqrt{x^2+1})^{y^{-2}} + 1/2 (x+\sqrt{x^2+1})^{-y^{-2}}$                                  | SH | W  | CH  | MINUS |
| 9971 | 7127 | 1 | $\frac{(x+\sqrt{x^2+1})^{2y^2}-1}{(x+\sqrt{x^2+1})^{2y^2}+1}$                                     | SH | W  | TH  | PLUS  |
| 9972 | 7128 | 1 | $1\left((x+\sqrt{x^2+1})^{2y^{-2}}-1\right)\left((x+\sqrt{x^2+1})^{2y^{-2}}_{SH+1}\right)^{-1}_W$ |    |    | TH  | MINUS |
| 9973 | 7129 | 1 | $\ln(x+\sqrt{x^2+1})\sqrt[3]{y}$  | SH | K  | CD  | PLUS  |
| 9974 | 7129 | 2 |   | SH | KI | CD  | MINUS |
| 9975 | 7130 | 1 | $\frac{\ln(x+\sqrt{x^2+1})}{\sqrt[3]{y}}$   | SH | K  | CD  | MINUS |
| 9976 | 7130 | 2 |   | SH | KI | CD  | PLUS  |
| 9977 | 7131 | 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt[3]{y}}$  | SH | K  | CDI | PLUS  |
| 9978 | 7131 | 2 |   | SH | KI | CDI | MINUS |



|       |      |   |  |    |    |      |       |
|-------|------|---|--|----|----|------|-------|
| 9979  | 7132 | 1 | $\frac{\sqrt[3]{y}}{\ln(x+\sqrt{x^2+1})}$        | SH | K  | CDI  | MINUS |
| 9980  | 7132 | 2 |  | SH | KI | CDI  | PLUS  |
| 9981  | 7133 | 1 | $\ln(x+\sqrt{x^2+1})\sqrt[3]{y}\pi$              | SH | K  | CDF  | PLUS  |
| 9982  | 7133 | 2 |  | SH | KI | CDF  | MINUS |
| 9983  | 7134 | 1 | $\frac{\ln(x+\sqrt{x^2+1})\pi}{\sqrt[3]{y}}$     | SH | K  | CDF  | MINUS |
| 9984  | 7134 | 2 |  | SH | KI | CDF  | PLUS  |
| 9985  | 7135 | 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt[3]{y}\pi}$    | SH | K  | CDIF | PLUS  |
| 9986  | 7135 | 2 |  | SH | KI | CDIF | MINUS |
| 9987  | 7136 | 1 | $\frac{\sqrt[3]{y}}{\ln(x+\sqrt{x^2+1})\pi}$     | SH | K  | CDIF | MINUS |
| 9988  | 7136 | 2 |  | SH | KI | CDIF | PLUS  |
| 9989  | 7137 | 1 | $(\ln(x+\sqrt{x^2+1}))^2 y^{2/3}$                | SH | K  | AB   | PLUS  |
| 9990  | 7137 | 2 |  | SH | KI | AB   | MINUS |
| 9991  | 7138 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{y^{2/3}}$        | SH | K  | AB   | MINUS |
| 9992  | 7138 | 2 |  | SH | KI | AB   | PLUS  |
| 9993  | 7139 | 1 | $\sqrt{\ln(x+\sqrt{x^2+1})}\sqrt[3]{y}$          | SH | K  | W    | PLUS  |
| 9994  | 7139 | 2 |  | SH | KI | W    | MINUS |
| 9995  | 7140 | 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\sqrt[3]{y}}}$ | SH | K  | W    | MINUS |
| 9996  | 7140 | 2 |  | SH | KI | W    | PLUS  |
| 9997  | 7141 | 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 y^{2/3}}$      | SH | K  | ABI  | PLUS  |
| 9998  | 7141 | 2 |  | SH | KI | ABI  | MINUS |
| 9999  | 7142 | 1 | $\frac{y^{2/3}}{(\ln(x+\sqrt{x^2+1}))^2}$        | SH | K  | ABI  | MINUS |
| 10000 | 7142 | 2 |  | SH | KI | ABI  | PLUS  |
| 10001 | 7143 | 1 | $(\ln(x+\sqrt{x^2+1}))^3 y$                      | SH | K  | K    | PLUS  |
| 10002 | 7143 | 2 |  | SH | KI | K    | MINUS |
| 10003 | 7144 | 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{y}$              | SH | K  | K    | MINUS |
| 10004 | 7144 | 2 |  | SH | KI | K    | PLUS  |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 10005 7145 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 y}$                         | SH | K  | KI | PLUS  |
| 10006 7145 2 |   | SH | KI | KI | MINUS |
| 10007 7146 1 | $\frac{y}{(\ln(x+\sqrt{x^2+1}))^3}$                           | SH | K  | KI | MINUS |
| 10008 7146 2 |   | SH | KI | KI | PLUS  |
| 10009 7147 1 | $(x + \sqrt{x^2 + 1})^{\sqrt[3]{y}}$                          | SH | K  | LL | PLUS  |
| 10010 7147 2 |   | SH | KI | LL | MINUS |
| 10011 7148 1 | $(x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt[3]{y}}}$                | SH | K  | LL | MINUS |
| 10012 7148 2 |   | SH | KI | LL | PLUS  |
| 10013 7149 1 | $LOG(\ln(x + \sqrt{x^2 + 1})^{\sqrt[3]{y}})$                  | SH | K  | L  | PLUS  |
| 10014 7149 2 |   | SH | KI | L  | MINUS |
| 10015 7150 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{\sqrt[3]{y}}\right)$     | SH | K  | L  | MINUS |
| 10016 7150 2 |   | SH | KI | L  | PLUS  |
| 10017 7151 1 | $\arcsin(\ln(x + \sqrt{x^2 + 1})^{\sqrt[3]{y}})$              | SH | K  | S  | PLUS  |
| 10018 7151 2 |   | SH | KI | S  | MINUS |
| 10019 7152 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{\sqrt[3]{y}}\right)$ | SH | K  | S  | MINUS |
| 10020 7152 2 |   | SH | KI | S  | PLUS  |
| 10021 7153 1 | $\arctan(\ln(x + \sqrt{x^2 + 1})^{\sqrt[3]{y}})$              | SH | K  | T  | PLUS  |
| 10022 7153 2 |   | SH | KI | T  | MINUS |
| 10023 7154 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{\sqrt[3]{y}}\right)$ | SH | K  | T  | MINUS |
| 10024 7154 2 |   | SH | KI | T  | PLUS  |
| 10025 7155 1 | $\sqrt{-(\ln(x + \sqrt{x^2 + 1}))^2 y^{2/3} + 1}$             | SH | K  | P  | PLUS  |
| 10026 7155 2 |   | SH | KI | P  | MINUS |
| 10027 7156 1 | $\sqrt{\frac{y^{2/3} - (\ln(x+\sqrt{x^2+1}))^2}{y^{2/3}}}$    | SH | K  | P  | MINUS |
| 10028 7156 2 |   | SH | KI | P  | PLUS  |
| 10029 7157 1 | $\sqrt{(\ln(x + \sqrt{x^2 + 1}))^2 y^{2/3} + 1}$              | SH | K  | H  | PLUS  |
| 10030 7157 2 |   | SH | KI | H  | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 10031 7158 1 | $\sqrt{\frac{y^{2/3} + (\ln(x + \sqrt{x^2 + 1}))^2}{y^{2/3}}}$   | SH | K  | H    | MINUS |
| 10032 7158 2 |  | SH | KI | H    | PLUS  |
| 10033 7159 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{3}{\sqrt[3]{y}}} - 1/2 (x + \sqrt{x^2 + 1})^{-\frac{3}{\sqrt[3]{y}}}$                                   | SH | K  | SH   | PLUS  |
| 10034 7159 2 |  | SH | KI | SH   | MINUS |
| 10035 7160 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt[3]{y}}} - 1/2 (x + \sqrt{x^2 + 1})^{-\frac{1}{\sqrt[3]{y}}}$                                   | SH | K  | SH   | MINUS |
| 10036 7160 2 |  | SH | KI | SH   | PLUS  |
| 10037 7161 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{3}{\sqrt[3]{y}}} + 1/2 (x + \sqrt{x^2 + 1})^{-\frac{3}{\sqrt[3]{y}}}$                                   | SH | K  | CH   | PLUS  |
| 10038 7161 2 |  | SH | KI | CH   | MINUS |
| 10039 7162 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt[3]{y}}} + 1/2 (x + \sqrt{x^2 + 1})^{-\frac{1}{\sqrt[3]{y}}}$                                   | SH | K  | CH   | MINUS |
| 10040 7162 2 |  | SH | KI | CH   | PLUS  |
| 10041 7163 1 | $\frac{(x + \sqrt{x^2 + 1})^2 \frac{3}{\sqrt[3]{y}} - 1}{(x + \sqrt{x^2 + 1})^2 \frac{3}{\sqrt[3]{y}} + 1}$                              | SH | K  | TH   | PLUS  |
| 10042 7163 2 |  | SH | KI | TH   | MINUS |
| 10043 7164 1 | $1 \left( (x + \sqrt{x^2 + 1})^2 \frac{1}{\sqrt[3]{y}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^2 \frac{1}{\sqrt[3]{y}} + 1 \right)^{-1}$ | SH | K  | TH   | MINUS |
| 10044 7164 2 |  | SH | KI | TH   | PLUS  |
| 10045 7165 1 | $\ln(x + \sqrt{x^2 + 1}) \ln(y)$   | SH | LL | CD   | PLUS  |
| 10046 7166 1 | $\frac{\ln(x + \sqrt{x^2 + 1})}{\ln(y)}$   | SH | LL | CD   | MINUS |
| 10047 7167 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \ln(y)}$   | SH | LL | CDI  | PLUS  |
| 10048 7168 1 | $\frac{\ln(y)}{\ln(x + \sqrt{x^2 + 1})}$   | SH | LL | CDI  | MINUS |
| 10049 7169 1 | $\ln(x + \sqrt{x^2 + 1}) \ln(y) \pi$   | SH | LL | CDF  | PLUS  |
| 10050 7170 1 | $\frac{\ln(x + \sqrt{x^2 + 1}) \pi}{\ln(y)}$   | SH | LL | CDF  | MINUS |
| 10051 7171 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \ln(y) \pi}$   | SH | LL | CDIF | PLUS  |
| 10052 7172 1 | $\frac{\ln(y)}{\ln(x + \sqrt{x^2 + 1}) \pi}$   | SH | LL | CDIF | MINUS |
| 10053 7173 1 | $(\ln(x + \sqrt{x^2 + 1}))^2 (\ln(y))^2$   | SH | LL | AB   | PLUS  |

|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 10054 7174 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{(\ln(y))^2}$             | SH | LL | AB  | MINUS |
| 10055 7175 1 | $\sqrt{\ln(x+\sqrt{x^2+1}) \ln(y)}$                      | SH | LL | W   | PLUS  |
| 10056 7176 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\ln(y)}}$              | SH | LL | W   | MINUS |
| 10057 7177 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 (\ln(y))^2}$           | SH | LL | ABI | PLUS  |
| 10058 7178 1 | $\frac{(\ln(y))^2}{(\ln(x+\sqrt{x^2+1}))^2}$             | SH | LL | ABI | MINUS |
| 10059 7179 1 | $(\ln(x+\sqrt{x^2+1}))^3 (\ln(y))^3$                     | SH | LL | K   | PLUS  |
| 10060 7180 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(\ln(y))^3}$             | SH | LL | K   | MINUS |
| 10061 7181 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 (\ln(y))^3}$           | SH | LL | KI  | PLUS  |
| 10062 7182 1 | $\frac{(\ln(y))^3}{(\ln(x+\sqrt{x^2+1}))^3}$             | SH | LL | KI  | MINUS |
| 10063 7183 1 | $(x+\sqrt{x^2+1})^{\ln(y)}$                              | SH | LL | LL  | PLUS  |
| 10064 7184 1 | $(x+\sqrt{x^2+1})^{(\ln(y))^{-1}}$                       | SH | LL | LL  | MINUS |
| 10065 7185 1 | $LOG(\ln(x+\sqrt{x^2+1}) \ln(y))$                        | SH | LL | L   | PLUS  |
| 10066 7186 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{\ln(y)}\right)$     | SH | LL | L   | MINUS |
| 10067 7187 1 | $\arcsin(\ln(x+\sqrt{x^2+1}) \ln(y))$                    | SH | LL | S   | PLUS  |
| 10068 7188 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{\ln(y)}\right)$ | SH | LL | S   | MINUS |
| 10069 7189 1 | $\arctan(\ln(x+\sqrt{x^2+1}) \ln(y))$                    | SH | LL | T   | PLUS  |
| 10070 7190 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{\ln(y)}\right)$ | SH | LL | T   | MINUS |
| 10071 7191 1 | $\sqrt{-(\ln(x+\sqrt{x^2+1}))^2 (\ln(y))^2 + 1}$         | SH | LL | P   | PLUS  |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 10072 7192 1 | $\sqrt{\frac{(\ln(y))^2 - (\ln(x + \sqrt{x^2 + 1}))^2}{(\ln(y))^2}}$   | SH | LL | P    | MINUS |
| 10073 7193 1 | $\sqrt{(\ln(x + \sqrt{x^2 + 1}))^2 (\ln(y))^2 + 1}$  | SH | LL | H    | PLUS  |
| 10074 7194 1 | $\sqrt{\frac{(\ln(y))^2 + (\ln(x + \sqrt{x^2 + 1}))^2}{(\ln(y))^2}}$   | SH | LL | H    | MINUS |
| 10075 7195 1 | $1/2 (x + \sqrt{x^2 + 1})^{\ln(y)} - 1/2 (x + \sqrt{x^2 + 1})^{-\ln(y)}$   | SH | LL | SH   | PLUS  |
| 10076 7196 1 | $1/2 (x + \sqrt{x^2 + 1})^{(\ln(y))^{-1}} - 1/2 (x + \sqrt{x^2 + 1})^{-(\ln(y))^{-1}}$                                       | SH | LL | SH   | MINUS |
| 10077 7197 1 | $1/2 (x + \sqrt{x^2 + 1})^{\ln(y)} + 1/2 (x + \sqrt{x^2 + 1})^{-\ln(y)}$   | SH | LL | CH   | PLUS  |
| 10078 7198 1 | $1/2 (x + \sqrt{x^2 + 1})^{(\ln(y))^{-1}} + 1/2 (x + \sqrt{x^2 + 1})^{-(\ln(y))^{-1}}$                                       | SH | LL | CH   | MINUS |
| 10079 7199 1 | $\frac{(x + \sqrt{x^2 + 1})^{2 \ln(y)} - 1}{(x + \sqrt{x^2 + 1})^{2 \ln(y)} + 1}$  | SH | LL | TH   | PLUS  |
| 10080 7200 1 | $1 \left( (x + \sqrt{x^2 + 1})^{2 (\ln(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^{2 (\ln(y))^{-1}} + 1 \right)^{-1}$ | SH | LL | TH   | MINUS |
| 10081 7201 1 | $\ln(x + \sqrt{x^2 + 1}) \text{EXP}(y)$  | SH | L  | CD   | PLUS  |
| 10082 7202 1 | $\frac{\ln(x + \sqrt{x^2 + 1})}{\text{EXP}(y)}$  | SH | L  | CD   | MINUS |
| 10083 7203 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \text{EXP}(y)}$  | SH | L  | CDI  | PLUS  |
| 10084 7204 1 | $\frac{\text{EXP}(y)}{\ln(x + \sqrt{x^2 + 1})}$  | SH | L  | CDI  | MINUS |
| 10085 7205 1 | $\ln(x + \sqrt{x^2 + 1}) \text{EXP}(y) \pi$  | SH | L  | CDF  | PLUS  |
| 10086 7206 1 | $\frac{\ln(x + \sqrt{x^2 + 1}) \pi}{\text{EXP}(y)}$  | SH | L  | CDF  | MINUS |
| 10087 7207 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \text{EXP}(y) \pi}$  | SH | L  | CDIF | PLUS  |
| 10088 7208 1 | $\frac{\text{EXP}(y)}{\ln(x + \sqrt{x^2 + 1}) \pi}$  | SH | L  | CDIF | MINUS |
| 10089 7209 1 | $(\ln(x + \sqrt{x^2 + 1}))^2 (\text{EXP}(y))^2$  | SH | L  | AB   | PLUS  |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 10090 7210 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{(EXP(y))^2}$             | SH | L | AB  | MINUS |
| 10091 7211 1 | $\sqrt{\ln(x+\sqrt{x^2+1}) EXP(y)}$                      | SH | L | W   | PLUS  |
| 10092 7212 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{EXP(y)}}$              | SH | L | W   | MINUS |
| 10093 7213 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 (EXP(y))^2}$           | SH | L | ABI | PLUS  |
| 10094 7214 1 | $\frac{(EXP(y))^2}{(\ln(x+\sqrt{x^2+1}))^2}$             | SH | L | ABI | MINUS |
| 10095 7215 1 | $(\ln(x+\sqrt{x^2+1}))^3 (EXP(y))^3$                     | SH | L | K   | PLUS  |
| 10096 7216 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(EXP(y))^3}$             | SH | L | K   | MINUS |
| 10097 7217 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 (EXP(y))^3}$           | SH | L | KI  | PLUS  |
| 10098 7218 1 | $\frac{(EXP(y))^3}{(\ln(x+\sqrt{x^2+1}))^3}$             | SH | L | KI  | MINUS |
| 10099 7219 1 | $(x+\sqrt{x^2+1})^{EXP(y)}$                              | SH | L | LL  | PLUS  |
| 10100 7220 1 | $(x+\sqrt{x^2+1})^{(EXP(y))^{-1}}$                       | SH | L | LL  | MINUS |
| 10101 7221 1 | $LOG(\ln(x+\sqrt{x^2+1}) EXP(y))$                        | SH | L | L   | PLUS  |
| 10102 7222 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{EXP(y)}\right)$     | SH | L | L   | MINUS |
| 10103 7223 1 | $\arcsin(\ln(x+\sqrt{x^2+1}) EXP(y))$                    | SH | L | S   | PLUS  |
| 10104 7224 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{EXP(y)}\right)$ | SH | L | S   | MINUS |
| 10105 7225 1 | $\arctan(\ln(x+\sqrt{x^2+1}) EXP(y))$                    | SH | L | T   | PLUS  |
| 10106 7226 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{EXP(y)}\right)$ | SH | L | T   | MINUS |
| 10107 7227 1 | $\sqrt{-(\ln(x+\sqrt{x^2+1}))^2 (EXP(y))^2 + 1}$         | SH | L | P   | PLUS  |

|              |   |    |   |      |       |
|--------------|---|----|---|------|-------|
| 10108 7228 1 | $\sqrt{\frac{(EXP(y))^2 - (\ln(x + \sqrt{x^2 + 1}))^2}{(EXP(y))^2}}$  | SH | L | P    | MINUS |
| 10109 7229 1 | $\sqrt{(\ln(x + \sqrt{x^2 + 1}))^2 (EXP(y))^2 + 1}$   | SH | L | H    | PLUS  |
| 10110 7230 1 | $\sqrt{\frac{(EXP(y))^2 + (\ln(x + \sqrt{x^2 + 1}))^2}{(EXP(y))^2}}$  | SH | L | H    | MINUS |
| 10111 7231 1 | $1/2 (x + \sqrt{x^2 + 1})^{EXP(y)} - 1/2 (x + \sqrt{x^2 + 1}) \bar{SH}^{EXP(y)} L$  | SH | L | SH   | PLUS  |
| 10112 7232 1 | $1/2 (x + \sqrt{x^2 + 1})^{(EXP(y))^{-1}} - 1/2 (x + \sqrt{x^2 + 1}) \bar{SH}^{-(EXP(y))^{-1}} L$                             | SH | L | SH   | MINUS |
| 10113 7233 1 | $1/2 (x + \sqrt{x^2 + 1})^{EXP(y)} + 1/2 (x + \sqrt{x^2 + 1}) \bar{SH}^{EXP(y)} L$  |    |   | CH   | PLUS  |
| 10114 7234 1 | $1/2 (x + \sqrt{x^2 + 1})^{(EXP(y))^{-1}} + 1/2 (x + \sqrt{x^2 + 1}) \bar{SH}^{-(EXP(y))^{-1}} L$                             |    |   | CH   | MINUS |
| 10115 7235 1 | $\frac{(x + \sqrt{x^2 + 1})^{2 EXP(y)} - 1}{(x + \sqrt{x^2 + 1})^{2 EXP(y)} + 1}$   | SH | L | TH   | PLUS  |
| 10116 7236 1 | $1 \left( (x + \sqrt{x^2 + 1})^{2 (EXP(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^{2 (EXP(y))^{-1}} L \right)^{-1} TH$ |    |   | TH   | MINUS |
| 10117 7237 1 | $\ln(x + \sqrt{x^2 + 1}) \sin(y)$   | SH | S | CD   | PLUS  |
| 10118 7238 1 | $\frac{\ln(x + \sqrt{x^2 + 1})}{\sin(y)}$   | SH | S | CD   | MINUS |
| 10119 7239 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \sin(y)}$   | SH | S | CDI  | PLUS  |
| 10120 7240 1 | $\frac{\sin(y)}{\ln(x + \sqrt{x^2 + 1})}$   | SH | S | CDI  | MINUS |
| 10121 7241 1 | $\ln(x + \sqrt{x^2 + 1}) \sin(y) \pi$   | SH | S | CDF  | PLUS  |
| 10122 7242 1 | $\frac{\ln(x + \sqrt{x^2 + 1}) \pi}{\sin(y)}$   | SH | S | CDF  | MINUS |
| 10123 7243 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \sin(y) \pi}$   | SH | S | CDIF | PLUS  |
| 10124 7244 1 | $\frac{\sin(y)}{\ln(x + \sqrt{x^2 + 1}) \pi}$   | SH | S | CDIF | MINUS |
| 10125 7245 1 | $(\ln(x + \sqrt{x^2 + 1}))^2 (\sin(y))^2$   | SH | S | AB   | PLUS  |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 10126 7246 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{(\sin(y))^2}$                          | SH | S | AB  | MINUS |
| 10127 7247 1 | $\sqrt{\ln(x+\sqrt{x^2+1}) \sin(y)}$                                   | SH | S | W   | PLUS  |
| 10128 7248 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\sin(y)}}$                           | SH | S | W   | MINUS |
| 10129 7249 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 (\sin(y))^2}$                        | SH | S | ABI | PLUS  |
| 10130 7250 1 | $\frac{(\sin(y))^2}{(\ln(x+\sqrt{x^2+1}))^2}$                          | SH | S | ABI | MINUS |
| 10131 7251 1 | $(\ln(x+\sqrt{x^2+1}))^3 (\sin(y))^3$                                  | SH | S | K   | PLUS  |
| 10132 7252 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(\sin(y))^3}$                          | SH | S | K   | MINUS |
| 10133 7253 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 (\sin(y))^3}$                        | SH | S | KI  | PLUS  |
| 10134 7254 1 | $\frac{(\sin(y))^3}{(\ln(x+\sqrt{x^2+1}))^3}$                          | SH | S | KI  | MINUS |
| 10135 7255 1 | $(x+\sqrt{x^2+1})^{\sin(y)}$   | SH | S | LL  | PLUS  |
| 10136 7256 1 | $(x+\sqrt{x^2+1})^{(\sin(y))^{-1}}$                                    | SH | S | LL  | MINUS |
| 10137 7257 1 | $LOG(\ln(x+\sqrt{x^2+1}) \sin(y))$                                     | SH | S | L   | PLUS  |
| 10138 7258 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{\sin(y)}\right)$                  | SH | S | L   | MINUS |
| 10139 7259 1 | $\arcsin(\ln(x+\sqrt{x^2+1}) \sin(y))$                                 | SH | S | S   | PLUS  |
| 10140 7260 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{\sin(y)}\right)$              | SH | S | S   | MINUS |
| 10141 7261 1 | $\arctan(\ln(x+\sqrt{x^2+1}) \sin(y))$                                 | SH | S | T   | PLUS  |
| 10142 7262 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{\sin(y)}\right)$              | SH | S | T   | MINUS |
| 10143 7263 1 | $\sqrt{(\cos(y))^2 (\ln(x+\sqrt{x^2+1}))^2 - (\ln(x+\sqrt{x^2+1}))^2}$ | SH | S | U   | PLUS  |



|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 10144 7264 1 | $\sqrt{\frac{(\sin(y))^2 - (\ln(x + \sqrt{x^2 + 1}))^2}{(\sin(y))^2}}$   | SH | S | P    | MINUS |
| 10145 7265 1 | $\sqrt{-(\cos(y))^2 (\ln(x + \sqrt{x^2 + 1}))^2 + (\ln(x + \sqrt{x^2 + 1}))^2 + 1}$  | SH | S | H    | PLUS  |
| 10146 7266 1 | $\sqrt{\frac{(\sin(y))^2 + (\ln(x + \sqrt{x^2 + 1}))^2}{(\sin(y))^2}}$   | SH | S | H    | MINUS |
| 10147 7267 1 | $1/2 (x + \sqrt{x^2 + 1})^{\sin(y)} - 1/2 (x + \sqrt{x^2 + 1})^{-\sin(y)}$   | SH | S | SH   | PLUS  |
| 10148 7268 1 | $1/2 (x + \sqrt{x^2 + 1})^{(\sin(y))^{-1}} - 1/2 (x + \sqrt{x^2 + 1})^{-(\sin(y))^{-1}}$                                       | SH | S | SH   | MINUS |
| 10149 7269 1 | $1/2 (x + \sqrt{x^2 + 1})^{\sin(y)} + 1/2 (x + \sqrt{x^2 + 1})^{-\sin(y)}$   | SH | S | CH   | PLUS  |
| 10150 7270 1 | $1/2 (x + \sqrt{x^2 + 1})^{(\sin(y))^{-1}} + 1/2 (x + \sqrt{x^2 + 1})^{-(\sin(y))^{-1}}$                                       | SH | S | CH   | MINUS |
| 10151 7271 1 | $\frac{(x + \sqrt{x^2 + 1})^{2 \sin(y)} - 1}{(x + \sqrt{x^2 + 1})^{2 \sin(y)} + 1}$  | SH | S | TH   | PLUS  |
| 10152 7272 1 | $1 \left( (x + \sqrt{x^2 + 1})^{2 (\sin(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^{2 (\sin(y))^{-1}} + 1 \right)^{-1}$ | SH | S | TH   | MINUS |
| 10153 7273 1 | $\ln(x + \sqrt{x^2 + 1}) \tan(y)$  | SH | T | CD   | PLUS  |
| 10154 7274 1 | $\frac{\ln(x + \sqrt{x^2 + 1})}{\tan(y)}$  | SH | T | CD   | MINUS |
| 10155 7275 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \tan(y)}$  | SH | T | CDI  | PLUS  |
| 10156 7276 1 | $\frac{\tan(y)}{\ln(x + \sqrt{x^2 + 1})}$  | SH | T | CDI  | MINUS |
| 10157 7277 1 | $\ln(x + \sqrt{x^2 + 1}) \tan(y) \pi$  | SH | T | CDF  | PLUS  |
| 10158 7278 1 | $\frac{\ln(x + \sqrt{x^2 + 1}) \pi}{\tan(y)}$  | SH | T | CDF  | MINUS |
| 10159 7279 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \tan(y) \pi}$  | SH | T | CDIF | PLUS  |
| 10160 7280 1 | $\frac{\tan(y)}{\ln(x + \sqrt{x^2 + 1}) \pi}$  | SH | T | CDIF | MINUS |
| 10161 7281 1 | $(\ln(x + \sqrt{x^2 + 1}))^2 (\tan(y))^2$  | SH | T | AB   | PLUS  |

|              |   |    |   |     |       |
|--------------|---|----|---|-----|-------|
| 10162 7282 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{(\tan(y))^2}$             | SH | T | AB  | MINUS |
| 10163 7283 1 | $\sqrt{\ln(x+\sqrt{x^2+1}) \tan(y)}$                      | SH | T | W   | PLUS  |
| 10164 7284 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\tan(y)}}$              | SH | T | W   | MINUS |
| 10165 7285 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 (\tan(y))^2}$           | SH | T | ABI | PLUS  |
| 10166 7286 1 | $\frac{(\tan(y))^2}{(\ln(x+\sqrt{x^2+1}))^2}$             | SH | T | ABI | MINUS |
| 10167 7287 1 | $(\ln(x+\sqrt{x^2+1}))^3 (\tan(y))^3$                     | SH | T | K   | PLUS  |
| 10168 7288 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(\tan(y))^3}$             | SH | T | K   | MINUS |
| 10169 7289 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 (\tan(y))^3}$           | SH | T | KI  | PLUS  |
| 10170 7290 1 | $\frac{(\tan(y))^3}{(\ln(x+\sqrt{x^2+1}))^3}$             | SH | T | KI  | MINUS |
| 10171 7291 1 | $(x+\sqrt{x^2+1})^{\tan(y)}$                              | SH | T | LL  | PLUS  |
| 10172 7292 1 | $(x+\sqrt{x^2+1})^{(\tan(y))^{-1}}$                       | SH | T | LL  | MINUS |
| 10173 7293 1 | $LOG(\ln(x+\sqrt{x^2+1}) \tan(y))$                        | SH | T | L   | PLUS  |
| 10174 7294 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{\tan(y)}\right)$     | SH | T | L   | MINUS |
| 10175 7295 1 | $\arcsin(\ln(x+\sqrt{x^2+1}) \tan(y))$                    | SH | T | S   | PLUS  |
| 10176 7296 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{\tan(y)}\right)$ | SH | T | S   | MINUS |
| 10177 7297 1 | $\arctan(\ln(x+\sqrt{x^2+1}) \tan(y))$                    | SH | T | T   | PLUS  |
| 10178 7298 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{\tan(y)}\right)$ | SH | T | T   | MINUS |

|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 10179 7299 1 | $\sqrt{\frac{(\cos(y))^2 (\ln(x+\sqrt{x^2+1}))^2 + (\cos(y))^2 - (\ln(x+\sqrt{x^2+1}))^2}{(\cos(y))^2}}$                 | SH | T | P    | PLUS  |
| 10180 7300 1 | $\sqrt{\frac{(\tan(y))^2 - (\ln(x+\sqrt{x^2+1}))^2}{(\tan(y))^2}}$   | SH | T | P    | MINUS |
| 10181 7301 1 | $\sqrt{-\frac{(\cos(y))^2 (\ln(x+\sqrt{x^2+1}))^2 - (\cos(y))^2 - (\ln(x+\sqrt{x^2+1}))^2}{(\cos(y))^2}}$                | SH | T | H    | PLUS  |
| 10182 7302 1 | $\sqrt{\frac{(\tan(y))^2 + (\ln(x+\sqrt{x^2+1}))^2}{(\tan(y))^2}}$   | SH | T | H    | MINUS |
| 10183 7303 1 | $1/2 (x + \sqrt{x^2+1})^{\tan(y)} - 1/2 (x + \sqrt{x^2+1})^{-\tan(y)}$   | SH | T | SH   | PLUS  |
| 10184 7304 1 | $1/2 (x + \sqrt{x^2+1})^{(\tan(y))^{-1}} - 1/2 (x + \sqrt{x^2+1})^{-(\tan(y))^{-1}}$                                     | SH | T | SH   | MINUS |
| 10185 7305 1 | $1/2 (x + \sqrt{x^2+1})^{\tan(y)} + 1/2 (x + \sqrt{x^2+1})^{-\tan(y)}$   | SH | T | CH   | PLUS  |
| 10186 7306 1 | $1/2 (x + \sqrt{x^2+1})^{(\tan(y))^{-1}} + 1/2 (x + \sqrt{x^2+1})^{-(\tan(y))^{-1}}$                                     | SH | T | CH   | MINUS |
| 10187 7307 1 | $\frac{(x+\sqrt{x^2+1})^{2 \tan(y)} - 1}{(x+\sqrt{x^2+1})^{2 \tan(y)} + 1}$  | SH | T | TH   | PLUS  |
| 10188 7308 1 | $1 \left( (x + \sqrt{x^2+1})^{2(\tan(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2+1})^{2(\tan(y))^{-1}} + 1 \right)^{-1}$ | SH | T | TH   | MINUS |
| 10189 7309 1 | $\ln(x + \sqrt{x^2+1}) \sqrt{-y^2+1}$  | SH | P | CD   | PLUS  |
| 10190 7310 1 | $\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{-y^2+1}}$  | SH | P | CD   | MINUS |
| 10191 7311 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt{-y^2+1}}$   | SH | P | CDI  | PLUS  |
| 10192 7312 1 | $\frac{\sqrt{-y^2+1}}{\ln(x+\sqrt{x^2+1})}$  | SH | P | CDI  | MINUS |
| 10193 7313 1 | $\ln(x + \sqrt{x^2+1}) \sqrt{-y^2+1} \pi$  | SH | P | CDF  | PLUS  |
| 10194 7314 1 | $\frac{\ln(x+\sqrt{x^2+1})\pi}{\sqrt{-y^2+1}}$   | SH | P | CDF  | MINUS |
| 10195 7315 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt{-y^2+1}\pi}$  | SH | P | CDIF | PLUS  |

|              |   |    |   |      |       |
|--------------|---|----|---|------|-------|
| 10196 7316 1 | $\frac{\sqrt{-y^2+1}}{\ln(x+\sqrt{x^2+1})\pi}$                  | SH | P | CDIF | MINUS |
| 10197 7317 1 | $(\ln(x+\sqrt{x^2+1}))^2(-y^2+1)$                               | SH | P | AB   | PLUS  |
| 10198 7318 1 | $-\frac{(\ln(x+\sqrt{x^2+1}))^2}{y^2-1}$                        | SH | P | AB   | MINUS |
| 10199 7319 1 | $\sqrt{\ln(x+\sqrt{x^2+1})\sqrt{-y^2+1}}$                       | SH | P | W    | PLUS  |
| 10200 7320 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{-y^2+1}}}$              | SH | P | W    | MINUS |
| 10201 7321 1 | $-\frac{1}{(\ln(x+\sqrt{x^2+1}))^2(y^2-1)}$                     | SH | P | ABI  | PLUS  |
| 10202 7322 1 | $\frac{-y^2+1}{(\ln(x+\sqrt{x^2+1}))^2}$                        | SH | P | ABI  | MINUS |
| 10203 7323 1 | $(\ln(x+\sqrt{x^2+1}))^3(-y^2+1)^{3/2}$                         | SH | P | K    | PLUS  |
| 10204 7324 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(-y^2+1)^{3/2}}$                | SH | P | K    | MINUS |
| 10205 7325 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3(-y^2+1)^{3/2}}$               | SH | P | KI   | PLUS  |
| 10206 7326 1 | $\frac{(-y^2+1)^{3/2}}{(\ln(x+\sqrt{x^2+1}))^3}$                | SH | P | KI   | MINUS |
| 10207 7327 1 | $(x+\sqrt{x^2+1})\sqrt{-y^2+1}$                                 | SH | P | LL   | PLUS  |
| 10208 7328 1 | $(x+\sqrt{x^2+1})\frac{1}{\sqrt{-y^2+1}}$                       | SH | P | LL   | MINUS |
| 10209 7329 1 | $LOG\left(\ln(x+\sqrt{x^2+1})\sqrt{-y^2+1}\right)$              | SH | P | L    | PLUS  |
| 10210 7330 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{-y^2+1}}\right)$     | SH | P | L    | MINUS |
| 10211 7331 1 | $\arcsin\left(\ln(x+\sqrt{x^2+1})\sqrt{-y^2+1}\right)$          | SH | P | S    | PLUS  |
| 10212 7332 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{-y^2+1}}\right)$ | SH | P | S    | MINUS |
| 10213 7333 1 | $\arctan\left(\ln(x+\sqrt{x^2+1})\sqrt{-y^2+1}\right)$          | SH | P | T    | PLUS  |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 10214 7334 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{-y^2+1}}\right)$  | SH | P | T   | MINUS |
| 10215 7335 1 | $\sqrt{(\ln(x+\sqrt{x^2+1}))^2 y^2 - (\ln(x+\sqrt{x^2+1}))^2}$   | SH | H | H   | PLUS  |
| 10216 7335 2 |  | SH | H | H   | PLUS  |
| 10217 7336 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2+1}))^2 + y^2 - 1}{y^2 - 1}}$   | SH | P | P   | MINUS |
| 10218 7336 2 |  | SH | H | H   | MINUS |
| 10219 7337 1 | $\sqrt{-(\ln(x+\sqrt{x^2+1}))^2 y^2 + (\ln(x+\sqrt{x^2+1}))^2}$  | SH | H | P   | PLUS  |
| 10220 7337 2 |  | SH | H | P   | PLUS  |
| 10221 7338 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2+1}))^2 - y^2 + 1}{y^2 - 1}}$  | SH | P | H   | MINUS |
| 10222 7338 2 |  | SH | H | P   | MINUS |
| 10223 7339 1 | $1/2 (x + \sqrt{x^2 + 1})^{\sqrt{-y^2+1}} - 1/2 (x + \sqrt{x^2 + 1})^{\sqrt{-y^2+1}}$  | SH | P | P   | PLUS  |
| 10224 7340 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt{-y^2+1}}} - 1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt{-y^2+1}}}$                                    | SH | P | P   | MINUS |
| 10225 7341 1 | $1/2 (x + \sqrt{x^2 + 1})^{\sqrt{-y^2+1}} + 1/2 (x + \sqrt{x^2 + 1})^{\sqrt{-y^2+1}}$  | CH | P | P   | PLUS  |
| 10226 7342 1 | $1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt{-y^2+1}}} + 1/2 (x + \sqrt{x^2 + 1})^{\frac{1}{\sqrt{-y^2+1}}}$                                    | CH | P | P   | MINUS |
| 10227 7343 1 | $\frac{(x+\sqrt{x^2+1})^2 \sqrt{-y^2+1} - 1}{(x+\sqrt{x^2+1})^2 \sqrt{-y^2+1} + 1}$  | SH | P | TH  | PLUS  |
| 10228 7344 1 | $1 \left( (x + \sqrt{x^2 + 1})^2 \frac{1}{\sqrt{-y^2+1}} - 1 \right) \left( (x + \sqrt{x^2 + 1})^2 \frac{1}{\sqrt{-y^2+1}} + 1 \right)^{-1}$ | SH | P | TH  | MINUS |
| 10229 7345 1 | $\ln(x + \sqrt{x^2 + 1}) \sqrt{y^2 - 1}$   | SH | H | CD  | PLUS  |
| 10230 7346 1 | $\frac{\ln(x+\sqrt{x^2+1})}{\sqrt{y^2-1}}$   | SH | H | CD  | MINUS |
| 10231 7347 1 | $\frac{1}{\ln(x+\sqrt{x^2+1})\sqrt{y^2-1}}$  | SH | H | CDI | PLUS  |
| 10232 7348 1 | $\frac{\sqrt{y^2-1}}{\ln(x+\sqrt{x^2+1})}$   | SH | H | CDI | MINUS |

|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 10233 7349 1 | $\ln(x + \sqrt{x^2 + 1}) \sqrt{y^2 - 1} \pi$                     | SH | H | CDF  | PLUS  |
| 10234 7350 1 | $\frac{\ln(x + \sqrt{x^2 + 1}) \pi}{\sqrt{y^2 - 1}}$             | SH | H | CDF  | MINUS |
| 10235 7351 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \sqrt{y^2 - 1} \pi}$           | SH | H | CDIF | PLUS  |
| 10236 7352 1 | $\frac{\sqrt{y^2 - 1}}{\ln(x + \sqrt{x^2 + 1}) \pi}$             | SH | H | CDIF | MINUS |
| 10237 7353 1 | $(\ln(x + \sqrt{x^2 + 1}))^2 (y^2 - 1)$                          | SH | H | AB   | PLUS  |
| 10238 7354 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^2}{y^2 - 1}$                    | SH | H | AB   | MINUS |
| 10239 7355 1 | $\sqrt{\ln(x + \sqrt{x^2 + 1}) \sqrt{y^2 - 1}}$                  | SH | H | W    | PLUS  |
| 10240 7356 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y^2 - 1}}}$          | SH | H | W    | MINUS |
| 10241 7357 1 | $\frac{1}{(\ln(x + \sqrt{x^2 + 1}))^2 (y^2 - 1)}$                | SH | H | ABI  | PLUS  |
| 10242 7358 1 | $\frac{y^2 - 1}{(\ln(x + \sqrt{x^2 + 1}))^2}$                    | SH | H | ABI  | MINUS |
| 10243 7359 1 | $(\ln(x + \sqrt{x^2 + 1}))^3 (y^2 - 1)^{3/2}$                    | SH | H | K    | PLUS  |
| 10244 7360 1 | $\frac{(\ln(x + \sqrt{x^2 + 1}))^3}{(y^2 - 1)^{3/2}}$            | SH | H | K    | MINUS |
| 10245 7361 1 | $\frac{1}{(\ln(x + \sqrt{x^2 + 1}))^3 (y^2 - 1)^{3/2}}$          | SH | H | KI   | PLUS  |
| 10246 7362 1 | $\frac{(y^2 - 1)^{3/2}}{(\ln(x + \sqrt{x^2 + 1}))^3}$            | SH | H | KI   | MINUS |
| 10247 7363 1 | $(x + \sqrt{x^2 + 1}) \sqrt{y^2 - 1}$                            | SH | H | LL   | PLUS  |
| 10248 7364 1 | $(x + \sqrt{x^2 + 1}) \frac{1}{\sqrt{y^2 - 1}}$                  | SH | H | LL   | MINUS |
| 10249 7365 1 | $LOG(\ln(x + \sqrt{x^2 + 1}) \sqrt{y^2 - 1})$                    | SH | H | L    | PLUS  |
| 10250 7366 1 | $LOG\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y^2 - 1}}\right)$ | SH | H | L    | MINUS |

|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 10251 7367 1 | $\arcsin \left( \ln \left( x + \sqrt{x^2 + 1} \right) \sqrt{y^2 - 1} \right)$  | SH | H  | S   | PLUS  |
| 10252 7368 1 | $\arcsin \left( \frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y^2 - 1}} \right)$  | SH | H  | S   | MINUS |
| 10253 7369 1 | $\arctan \left( \ln \left( x + \sqrt{x^2 + 1} \right) \sqrt{y^2 - 1} \right)$  | SH | H  | T   | PLUS  |
| 10254 7370 1 | $\arctan \left( \frac{\ln(x + \sqrt{x^2 + 1})}{\sqrt{y^2 - 1}} \right)$  | SH | H  | T   | MINUS |
| 10255 7371 1 | $1/2 \left( x + \sqrt{x^2 + 1} \right)^{\sqrt{y^2 - 1}} - 1/2 \left( x + \sqrt{x^2 + 1} \right)^{-\sqrt{y^2 - 1}}$   | SH | H  |     | PLUS  |
| 10256 7372 1 | $1/2 \left( x + \sqrt{x^2 + 1} \right)^{\frac{1}{\sqrt{y^2 - 1}}} - 1/2 \left( x + \sqrt{x^2 + 1} \right)^{-\frac{1}{\sqrt{y^2 - 1}}}$                                   | SH | H  |     | MINUS |
| 10257 7373 1 | $1/2 \left( x + \sqrt{x^2 + 1} \right)^{\sqrt{y^2 - 1}} + 1/2 \left( x + \sqrt{x^2 + 1} \right)^{-\sqrt{y^2 - 1}}$   | CH |    |     | PLUS  |
| 10258 7374 1 | $1/2 \left( x + \sqrt{x^2 + 1} \right)^{\frac{1}{\sqrt{y^2 - 1}}} + 1/2 \left( x + \sqrt{x^2 + 1} \right)^{-\frac{1}{\sqrt{y^2 - 1}}}$                                   | CH |    |     | MINUS |
| 10259 7375 1 | $\frac{(x + \sqrt{x^2 + 1})^2 \sqrt{y^2 - 1} - 1}{(x + \sqrt{x^2 + 1})^2 \sqrt{y^2 - 1} + 1}$  | SH | H  | TH  | PLUS  |
| 10260 7376 1 | $1 \left( \left( x + \sqrt{x^2 + 1} \right)^2 \frac{1}{\sqrt{y^2 - 1}} - 1 \right) \left( \left( x + \sqrt{x^2 + 1} \right)^2 \frac{1}{\sqrt{y^2 - 1}} + 1 \right)^{-1}$ | TH |    |     | MINUS |
| 10261 7377 1 | $\ln \left( x + \sqrt{x^2 + 1} \right) \ln \left( y + \sqrt{y^2 + 1} \right)$  | SH | SH | CD  | PLUS  |
| 10262 7378 1 | $\frac{\ln(x + \sqrt{x^2 + 1})}{\ln(y + \sqrt{y^2 + 1})}$  | SH | SH | CD  | MINUS |
| 10263 7379 1 | $\frac{1}{\ln(x + \sqrt{x^2 + 1}) \ln(y + \sqrt{y^2 + 1})}$  | SH | SH | CDI | PLUS  |
| 10264 7380 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{\ln(x + \sqrt{x^2 + 1})}$  | SH | SH | CDI | MINUS |
| 10265 7381 1 | $\ln \left( x + \sqrt{x^2 + 1} \right) \ln \left( y + \sqrt{y^2 + 1} \right) \pi$  | SH | SH | CDF | PLUS  |
| 10266 7382 1 | $\frac{\ln(x + \sqrt{x^2 + 1}) \pi}{\ln(y + \sqrt{y^2 + 1})}$  | SH | SH | CDF | MINUS |

|              |   |    |    |            |
|--------------|---|----|----|------------|
| 10267 7383 1 | $\frac{1}{\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2+1}) \pi}$           | SH | SH | CDIF PLUS  |
| 10268 7384 1 | $\frac{\ln(y+\sqrt{y^2+1})}{\ln(x+\sqrt{x^2+1}) \pi}$             | SH | SH | CDIF MINUS |
| 10269 7385 1 | $(\ln(x+\sqrt{x^2+1}))^2 (\ln(y+\sqrt{y^2+1}))^2$                 | SH | SH | AB PLUS    |
| 10270 7386 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{(\ln(y+\sqrt{y^2+1}))^2}$         | SH | SH | AB MINUS   |
| 10271 7387 1 | $\sqrt{\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2+1})}$                  | SH | SH | W PLUS     |
| 10272 7388 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\ln(y+\sqrt{y^2+1})}}$          | SH | SH | W MINUS    |
| 10273 7389 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 (\ln(y+\sqrt{y^2+1}))^2}$       | SH | SH | ABI PLUS   |
| 10274 7390 1 | $\frac{(\ln(y+\sqrt{y^2+1}))^2}{(\ln(x+\sqrt{x^2+1}))^2}$         | SH | SH | ABI MINUS  |
| 10275 7391 1 | $(\ln(x+\sqrt{x^2+1}))^3 (\ln(y+\sqrt{y^2+1}))^3$                 | SH | SH | K PLUS     |
| 10276 7392 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(\ln(y+\sqrt{y^2+1}))^3}$         | SH | SH | K MINUS    |
| 10277 7393 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 (\ln(y+\sqrt{y^2+1}))^3}$       | SH | SH | KI PLUS    |
| 10278 7394 1 | $\frac{(\ln(y+\sqrt{y^2+1}))^3}{(\ln(x+\sqrt{x^2+1}))^3}$         | SH | SH | KI MINUS   |
| 10279 7395 1 | $(x+\sqrt{x^2+1})^{\ln(y+\sqrt{y^2+1})}$                          | SH | SH | LL PLUS    |
| 10280 7396 1 | $(x+\sqrt{x^2+1})^{(\ln(y+\sqrt{y^2+1}))^{-1}}$                   | SH | SH | LL MINUS   |
| 10281 7397 1 | $LOG(\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2+1}))$                    | SH | SH | L PLUS     |
| 10282 7398 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2+1})}{\ln(y+\sqrt{y^2+1})}\right)$ | SH | SH | L MINUS    |



|              |  |    |    |    |       |
|--------------|--|----|----|----|-------|
| 10283 7399 1 | $\arcsin\left(\ln\left(x+\sqrt{x^2+1}\right)\ln\left(y+\sqrt{y^2+1}\right)\right)$   | SH | SH | S  | PLUS  |
| 10284 7400 1 | $\arcsin\left(\frac{\ln\left(x+\sqrt{x^2+1}\right)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$  | SH | SH | S  | MINUS |
| 10285 7401 1 | $\arctan\left(\ln\left(x+\sqrt{x^2+1}\right)\ln\left(y+\sqrt{y^2+1}\right)\right)$   | SH | SH | T  | PLUS  |
| 10286 7402 1 | $\arctan\left(\frac{\ln\left(x+\sqrt{x^2+1}\right)}{\ln\left(y+\sqrt{y^2+1}\right)}\right)$  | SH | SH | T  | MINUS |
| 10287 7403 1 | $\sqrt{-\left(\ln\left(x+\sqrt{x^2+1}\right)\right)^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}$   | SH | SH | P  | PLUS  |
| 10288 7404 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2-\left(\ln\left(x+\sqrt{x^2+1}\right)\right)^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$   | SH | SH | P  | MINUS |
| 10289 7405 1 | $\sqrt{\left(\ln\left(x+\sqrt{x^2+1}\right)\right)^2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+}$   | SH | SH | H  | PLUS  |
| 10290 7406 1 | $\sqrt{\frac{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2+\left(\ln\left(x+\sqrt{x^2+1}\right)\right)^2}{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^2}}$   | SH | SH | H  | MINUS |
| 10291 7407 1 | $1/2\left(x+\sqrt{x^2+1}\right)^{\ln\left(y+\sqrt{y^2+1}\right)}-1/2\left(x+\sqrt{x^2+1}\right)^{-\ln\left(y+\sqrt{y^2+1}\right)}$   | SH | SH | CH | PLUS  |
| 10292 7408 1 | $1/2\left(x+\sqrt{x^2+1}\right)^{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^{-1}}-1/2\left(x+\sqrt{x^2+1}\right)^{-\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^{-1}}$                               | SH | SH | CH | MINUS |
| 10293 7409 1 | $1/2\left(x+\sqrt{x^2+1}\right)^{\ln\left(y+\sqrt{y^2+1}\right)}+1/2\left(x+\sqrt{x^2+1}\right)^{-\ln\left(y+\sqrt{y^2+1}\right)}$   | SH | SH | CH | PLUS  |
| 10294 7410 1 | $1/2\left(x+\sqrt{x^2+1}\right)^{\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^{-1}}+1/2\left(x+\sqrt{x^2+1}\right)^{-\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^{-1}}$                               | SH | SH | CH | MINUS |
| 10295 7411 1 | $\frac{\left(x+\sqrt{x^2+1}\right)^{2\ln\left(y+\sqrt{y^2+1}\right)}-1}{\left(x+\sqrt{x^2+1}\right)^{2\ln\left(y+\sqrt{y^2+1}\right)}+1}$  | SH | SH | TH | PLUS  |
| 10296 7412 1 | $1\left(\left(x+\sqrt{x^2+1}\right)^{2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^{-1}}-1\right)\left(\left(x+\sqrt{x^2+1}\right)^{2\left(\ln\left(y+\sqrt{y^2+1}\right)\right)^{-1}}+1\right)^{-1}$ | SH | SH | TH | MINUS |
| 10297 7413 1 | $\ln\left(x+\sqrt{x^2+1}\right)\ln\left(y+\sqrt{y^2-1}\right)$   | SH | CH | CD | PLUS  |
| 10298 7414 1 | $\frac{\ln\left(x+\sqrt{x^2+1}\right)}{\ln\left(y+\sqrt{y^2-1}\right)}$  | SH | CH | CD | MINUS |

|              |   |    |    |      |       |
|--------------|---|----|----|------|-------|
| 10299 7415 1 | $\frac{1}{\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2-1})}$         | SH | CH | CDI  | PLUS  |
| 10300 7416 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\ln(x+\sqrt{x^2+1})}$           | SH | CH | CDI  | MINUS |
| 10301 7417 1 | $\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2-1}) \pi$               | SH | CH | CDF  | PLUS  |
| 10302 7418 1 | $\frac{\ln(x+\sqrt{x^2+1}) \pi}{\ln(y+\sqrt{y^2-1})}$       | SH | CH | CDF  | MINUS |
| 10303 7419 1 | $\frac{1}{\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2-1}) \pi}$     | SH | CH | CDIF | PLUS  |
| 10304 7420 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\ln(x+\sqrt{x^2+1}) \pi}$       | SH | CH | CDIF | MINUS |
| 10305 7421 1 | $(\ln(x+\sqrt{x^2+1}))^2 (\ln(y+\sqrt{y^2-1}))^2$           | SH | CH | AB   | PLUS  |
| 10306 7422 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^2}{(\ln(y+\sqrt{y^2-1}))^2}$   | SH | CH | AB   | MINUS |
| 10307 7423 1 | $\sqrt{\ln(x+\sqrt{x^2+1}) \ln(y+\sqrt{y^2-1})}$            | SH | CH | W    | PLUS  |
| 10308 7424 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2+1})}{\ln(y+\sqrt{y^2-1})}}$    | SH | CH | W    | MINUS |
| 10309 7425 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^2 (\ln(y+\sqrt{y^2-1}))^2}$ | SH | CH | ABI  | PLUS  |
| 10310 7426 1 | $\frac{(\ln(y+\sqrt{y^2-1}))^2}{(\ln(x+\sqrt{x^2+1}))^2}$   | SH | CH | ABI  | MINUS |
| 10311 7427 1 | $(\ln(x+\sqrt{x^2+1}))^3 (\ln(y+\sqrt{y^2-1}))^3$           | SH | CH | K    | PLUS  |
| 10312 7428 1 | $\frac{(\ln(x+\sqrt{x^2+1}))^3}{(\ln(y+\sqrt{y^2-1}))^3}$   | SH | CH | K    | MINUS |
| 10313 7429 1 | $\frac{1}{(\ln(x+\sqrt{x^2+1}))^3 (\ln(y+\sqrt{y^2-1}))^3}$ | SH | CH | KI   | PLUS  |
| 10314 7430 1 | $\frac{(\ln(y+\sqrt{y^2-1}))^3}{(\ln(x+\sqrt{x^2+1}))^3}$   | SH | CH | KI   | MINUS |

|              |  |    |    |       |       |
|--------------|--|----|----|-------|-------|
| 10315 7431 1 | $(x + \sqrt{x^2 + 1})^{\ln(y + \sqrt{y^2 - 1})}$   | SH | CH | LL    | PLUS  |
| 10316 7432 1 | $(x + \sqrt{x^2 + 1})^{\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}}$   | SH | CH | LL    | MINUS |
| 10317 7433 1 | $LOG\left(\ln(x + \sqrt{x^2 + 1}) \ln(y + \sqrt{y^2 - 1})\right)$  | SH | CH | L     | PLUS  |
| 10318 7434 1 | $LOG\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\ln(y + \sqrt{y^2 - 1})}\right)$  | SH | CH | L     | MINUS |
| 10319 7435 1 | $\arcsin\left(\ln(x + \sqrt{x^2 + 1}) \ln(y + \sqrt{y^2 - 1})\right)$  | SH | CH | S     | PLUS  |
| 10320 7436 1 | $\arcsin\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\ln(y + \sqrt{y^2 - 1})}\right)$  | SH | CH | S     | MINUS |
| 10321 7437 1 | $\arctan\left(\ln(x + \sqrt{x^2 + 1}) \ln(y + \sqrt{y^2 - 1})\right)$  | SH | CH | T     | PLUS  |
| 10322 7438 1 | $\arctan\left(\frac{\ln(x + \sqrt{x^2 + 1})}{\ln(y + \sqrt{y^2 - 1})}\right)$  | SH | CH | T     | MINUS |
| 10323 7439 1 | $\sqrt{-(\ln(x + \sqrt{x^2 + 1}))^2 (\ln(y + \sqrt{y^2 - 1}))^2}$  | SH | CH | P     | PLUS  |
| 10324 7440 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 - (\ln(x + \sqrt{x^2 + 1}))^2}{(\ln(y + \sqrt{y^2 - 1}))^2}}$   | SH | CH | P     | MINUS |
| 10325 7441 1 | $\sqrt{(\ln(x + \sqrt{x^2 + 1}))^2 (\ln(y + \sqrt{y^2 - 1}))^2 + 1}$   | SH | CH | H     | PLUS  |
| 10326 7442 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 + (\ln(x + \sqrt{x^2 + 1}))^2}{(\ln(y + \sqrt{y^2 - 1}))^2}}$   | SH | CH | H     | MINUS |
| 10327 7443 1 | $1/2 (x + \sqrt{x^2 + 1})^{\ln(y + \sqrt{y^2 - 1})} - 1/2 (x + \sqrt{x^2 + 1})^{-\ln(y + \sqrt{y^2 - 1})}$                                     | SH | CH | PLUS  |       |
| 10328 7444 1 | $1/2 (x + \sqrt{x^2 + 1})^{\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}} - 1/2 (x + \sqrt{x^2 + 1})^{-\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}}$ | SH | CH | MINUS |       |
| 10329 7445 1 | $1/2 (x + \sqrt{x^2 + 1})^{\ln(y + \sqrt{y^2 - 1})} + 1/2 (x + \sqrt{x^2 + 1})^{-\ln(y + \sqrt{y^2 - 1})}$                                     | SH | CH | PLUS  |       |
| 10330 7446 1 | $1/2 (x + \sqrt{x^2 + 1})^{\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}} + 1/2 (x + \sqrt{x^2 + 1})^{-\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}}$ | SH | CH | MINUS |       |

|       |      |   |  |    |    |      |       |
|-------|------|---|--|----|----|------|-------|
| 10331 | 7447 | 1 | $\frac{(x+\sqrt{x^2+1})^2 \ln(y+\sqrt{y^2-1}) - 1}{(x+\sqrt{x^2+1})^2 \ln(y+\sqrt{y^2-1}) + 1}$  | SH | CH | TH   | PLUS  |
| 10332 | 7448 | 1 | $1 \left( (x + \sqrt{x^2 + 1})^2 (\ln(y + \sqrt{y^2 - 1}))^{-1} - 1 \right) \left( (x - \sqrt{x^2 + 1})^2 (\ln(y + \sqrt{y^2 - 1}))^{-1} + 1 \right)^{-1}$ | SH | CH | TH   | MINUS |
| 10333 | 7449 | 1 | $1/2 \ln(x + \sqrt{x^2 + 1}) \ln\left(\frac{-y-1}{y-1}\right)$   | SH | TH | CD   | PLUS  |
| 10334 | 7450 | 1 | $2 \ln(x + \sqrt{x^2 + 1}) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | SH | TH | CD   | MINUS |
| 10335 | 7451 | 1 | $2 \frac{1}{\ln(x+\sqrt{x^2+1})} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | SH | TH | CDI  | PLUS  |
| 10336 | 7452 | 1 | $1/2 \frac{1}{\ln(x+\sqrt{x^2+1})} \ln\left(\frac{-y-1}{y-1}\right)$   | SH | TH | CDI  | MINUS |
| 10337 | 7453 | 1 | $1/2 \ln(x + \sqrt{x^2 + 1}) \ln\left(\frac{-y-1}{y-1}\right) \pi$   | SH | TH | CDF  | PLUS  |
| 10338 | 7454 | 1 | $2 \ln(x + \sqrt{x^2 + 1}) \pi \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | SH | TH | CDF  | MINUS |
| 10339 | 7455 | 1 | $2 \frac{1}{\ln(x+\sqrt{x^2+1})\pi} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | SH | TH | CDIF | PLUS  |
| 10340 | 7456 | 1 | $1/2 \frac{1}{\ln(x+\sqrt{x^2+1})\pi} \ln\left(\frac{-y-1}{y-1}\right)$  | SH | TH | CDIF | MINUS |
| 10341 | 7457 | 1 | $1/4 (\ln(x + \sqrt{x^2 + 1}))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | SH | TH | AB   | PLUS  |
| 10342 | 7458 | 1 | $4 (\ln(x + \sqrt{x^2 + 1}))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$   | SH | TH | AB   | MINUS |
| 10343 | 7459 | 1 | $1/2 \sqrt{2} \sqrt{\ln(x + \sqrt{x^2 + 1}) \ln\left(\frac{-y-1}{y-1}\right)}$   | SH | TH | W    | PLUS  |
| 10344 | 7460 | 1 | $\sqrt{2} \sqrt{\ln(x + \sqrt{x^2 + 1}) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$   | SH | TH | W    | MINUS |
| 10345 | 7461 | 1 | $4 \frac{1}{(\ln(x+\sqrt{x^2+1}))^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$   | SH | TH | ABI  | PLUS  |
| 10346 | 7462 | 1 | $1/4 \frac{1}{(\ln(x+\sqrt{x^2+1}))^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | SH | TH | ABI  | MINUS |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 10347 7463 1 | $1/8 \left( \ln(x + \sqrt{x^2 + 1}) \right)^3 \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^3$  | SH | TH | K  | PLUS  |
| 10348 7464 1 | $8 \left( \ln(x + \sqrt{x^2 + 1}) \right)^3 \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-3}$   | SH | TH | K  | MINUS |
| 10349 7465 1 | $8 \frac{1}{(\ln(x + \sqrt{x^2 + 1}))^3} \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-3}$  | SH | TH | KI | PLUS  |
| 10350 7466 1 | $1/8 \frac{1}{(\ln(x + \sqrt{x^2 + 1}))^3} \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^3$   | SH | TH | KI | MINUS |
| 10351 7467 1 | $(x + \sqrt{x^2 + 1})^{1/2} \ln\left(\frac{-y-1}{y-1}\right)$   | SH | TH | LL | PLUS  |
| 10352 7468 1 | $(x + \sqrt{x^2 + 1})^2 \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-1}$   | SH | TH | LL | MINUS |
| 10353 7469 1 | $LOG \left( 1/2 \ln(x + \sqrt{x^2 + 1}) \ln\left(\frac{-y-1}{y-1}\right) \right)$   | SH | TH | L  | PLUS  |
| 10354 7470 1 | $LOG \left( 2 \ln(x + \sqrt{x^2 + 1}) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-1} \right)$   | SH | TH | L  | MINUS |
| 10355 7471 1 | $\arcsin \left( 1/2 \ln(x + \sqrt{x^2 + 1}) \ln\left(\frac{-y-1}{y-1}\right) \right)$   | SH | TH | S  | PLUS  |
| 10356 7472 1 | $\arcsin \left( 2 \ln(x + \sqrt{x^2 + 1}) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-1} \right)$   | SH | TH | S  | MINUS |
| 10357 7473 1 | $\arctan \left( 1/2 \ln(x + \sqrt{x^2 + 1}) \ln\left(\frac{-y-1}{y-1}\right) \right)$   | SH | TH | T  | PLUS  |
| 10358 7474 1 | $\arctan \left( 2 \ln(x + \sqrt{x^2 + 1}) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-1} \right)$   | SH | TH | T  | MINUS |
| 10359 7475 1 | $1/2 \sqrt{-\left( \ln(x + \sqrt{x^2 + 1}) \right)^2 \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 + 4}$  | SH | TH | P  | PLUS  |
| 10360 7476 1 | $\sqrt{1 \left( \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 - 4 \left( \ln(x + \sqrt{x^2 + 1}) \right)^2 \right) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-2}}$ | SH | TH | P  | MINUS |
| 10361 7477 1 | $1/2 \sqrt{\left( \ln(x + \sqrt{x^2 + 1}) \right)^2 \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 + 4}$   | SH | TH | H  | PLUS  |
| 10362 7478 1 | $\sqrt{1 \left( \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^2 + 4 \left( \ln(x + \sqrt{x^2 + 1}) \right)^2 \right) \left( \ln\left(\frac{-y-1}{y-1}\right) \right)^{-2}}$ | SH | TH | H  | MINUS |

|              |   |    |      |            |
|--------------|---|----|------|------------|
| 10363 7479 1 | $1/2 (x + \sqrt{x^2 + 1})^{1/2 \ln(\frac{-y-1}{y-1})} - 1/2 (x + \sqrt{x^2 - 1})^{-1/2 \ln(\frac{-y-1}{y-1})}$                                      | TH | CH   | PLUS       |
| 10364 7480 1 | $1/2 (x + \sqrt{x^2 + 1})^{2(\ln(\frac{-y-1}{y-1}))^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-2(\ln(\frac{-y-1}{y-1}))^{-1}}$                              | TH | CH   | MINUS      |
| 10365 7481 1 | $1/2 (x + \sqrt{x^2 + 1})^{1/2 \ln(\frac{-y-1}{y-1})} + 1/2 (x + \sqrt{x^2 - 1})^{-1/2 \ln(\frac{-y-1}{y-1})}$                                      | TH | CH   | PLUS       |
| 10366 7482 1 | $1/2 (x + \sqrt{x^2 + 1})^{2(\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-2(\ln(\frac{-y-1}{y-1}))^{-1}}$                              | TH | CH   | MINUS      |
| 10367 7483 1 | $1 \left( (x + \sqrt{x^2 + 1})^{1/2 \ln(\frac{-y-1}{y-1})} - (x + \sqrt{x^2 - 1})^{1/2 \ln(\frac{-y-1}{y-1})} \right)$                              | TH | CH   | PLUS       |
| 10368 7484 1 | $1 \left( (x + \sqrt{x^2 + 1})^{4(\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{4(\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right)$ | TH | CH   | MINUS      |
| 10369 7485 1 | $\ln(x + \sqrt{x^2 - 1}) y$   | CH | CD   | CD PLUS    |
| 10370 7485 2 |   | CH | CDI  | CD MINUS   |
| 10371 7485 3 |   | CH | CDF  | CDF PLUS   |
| 10372 7486 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{y}$   | CH | CD   | CD MINUS   |
| 10373 7486 2 |   | CH | CDI  | CD PLUS    |
| 10374 7486 3 |   | CH | CDIF | CDF PLUS   |
| 10375 7487 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) y}$   | CH | CD   | CDI PLUS   |
| 10376 7487 2 |   | CH | CDI  | CDI MINUS  |
| 10377 7487 3 |   | CH | CDF  | CDIF PLUS  |
| 10378 7488 1 | $\frac{y}{\ln(x + \sqrt{x^2 - 1})}$   | CH | CD   | CDI MINUS  |
| 10379 7488 2 |   | CH | CDI  | CDI PLUS   |
| 10380 7488 3 |   | CH | CDIF | CDIF PLUS  |
| 10381 7489 1 | $\ln(x + \sqrt{x^2 - 1}) y \pi$   | CH | CD   | CDF PLUS   |
| 10382 7489 2 |   | CH | CDI  | CDF MINUS  |
| 10383 7489 3 |   | CH | CDIF | CD MINUS   |
| 10384 7490 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{y}$   | CH | CD   | CDF MINUS  |
| 10385 7490 2 |   | CH | CDI  | CDF PLUS   |
| 10386 7490 3 |   | CH | CDF  | CD MINUS   |
| 10387 7491 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) y \pi}$   | CH | CD   | CDIF PLUS  |
| 10388 7491 2 |   | CH | CDI  | CDIF MINUS |

|              |   |    |      |      |       |
|--------------|---|----|------|------|-------|
| 10389 7491 3 |   | CH | CDIF | CDI  | MINUS |
| 10390 7492 1 | $\frac{y}{\ln(x+\sqrt{x^2-1})\pi}$      | CH | CD   | CDIF | MINUS |
| 10391 7492 2 |   | CH | CDI  | CDIF | PLUS  |
| 10392 7492 3 |   | CH | CDF  | CDI  | MINUS |
| 10393 7493 1 | $(\ln(x+\sqrt{x^2-1}))^2 y^2$           | CH | CD   | AB   | PLUS  |
| 10394 7493 2 |   | CH | CDI  | AB   | MINUS |
| 10395 7494 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{y^2}$   | CH | CD   | AB   | MINUS |
| 10396 7494 2 |   | CH | CDI  | AB   | PLUS  |
| 10397 7495 1 | $\sqrt{\ln(x+\sqrt{x^2-1})} y$          | CH | CD   | W    | PLUS  |
| 10398 7495 2 |   | CH | CDI  | W    | MINUS |
| 10399 7496 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{y}}$  | CH | CD   | W    | MINUS |
| 10400 7496 2 |   | CH | CDI  | W    | PLUS  |
| 10401 7497 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 y^2}$ | CH | CD   | ABI  | PLUS  |
| 10402 7497 2 |   | CH | CDI  | ABI  | MINUS |
| 10403 7498 1 | $\frac{y^2}{(\ln(x+\sqrt{x^2-1}))^2}$   | CH | CD   | ABI  | MINUS |
| 10404 7498 2 |   | CH | CDI  | ABI  | PLUS  |
| 10405 7499 1 | $(\ln(x+\sqrt{x^2-1}))^3 y^3$           | CH | CD   | K    | PLUS  |
| 10406 7499 2 |   | CH | CDI  | K    | MINUS |
| 10407 7500 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{y^3}$   | CH | CD   | K    | MINUS |
| 10408 7500 2 |   | CH | CDI  | K    | PLUS  |
| 10409 7501 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 y^3}$ | CH | CD   | KI   | PLUS  |
| 10410 7501 2 |   | CH | CDI  | KI   | MINUS |
| 10411 7502 1 | $\frac{y^3}{(\ln(x+\sqrt{x^2-1}))^3}$   | CH | CD   | KI   | MINUS |
| 10412 7502 2 |   | CH | CDI  | KI   | PLUS  |
| 10413 7503 1 | $(x+\sqrt{x^2-1})^y$                    | CH | CD   | LL   | PLUS  |
| 10414 7503 2 |   | CH | CDI  | LL   | MINUS |
| 10415 7504 1 | $\sqrt[y]{x+\sqrt{x^2-1}}$              | CH | CD   | LL   | MINUS |

|              |   |    |     |    |       |
|--------------|---|----|-----|----|-------|
| 10416 7504 2 |   | CH | CDI | LL | PLUS  |
| 10417 7505 1 | $LOG (\ln (x + \sqrt{x^2 - 1}) y)$                                      | CH | CD  | L  | PLUS  |
| 10418 7505 2 |   | CH | CDI | L  | MINUS |
| 10419 7506 1 | $LOG \left( \frac{\ln(x + \sqrt{x^2 - 1})}{y} \right)$                  | CH | CD  | L  | MINUS |
| 10420 7506 2 |   | CH | CDI | L  | PLUS  |
| 10421 7507 1 | $\arcsin (\ln (x + \sqrt{x^2 - 1}) y)$                                  | CH | CD  | S  | PLUS  |
| 10422 7507 2 |   | CH | CDI | S  | MINUS |
| 10423 7508 1 | $\arcsin \left( \frac{\ln(x + \sqrt{x^2 - 1})}{y} \right)$              | CH | CD  | S  | MINUS |
| 10424 7508 2 |   | CH | CDI | S  | PLUS  |
| 10425 7509 1 | $\arctan (\ln (x + \sqrt{x^2 - 1}) y)$                                  | CH | CD  | T  | PLUS  |
| 10426 7509 2 |   | CH | CDI | T  | MINUS |
| 10427 7510 1 | $\arctan \left( \frac{\ln(x + \sqrt{x^2 - 1})}{y} \right)$              | CH | CD  | T  | MINUS |
| 10428 7510 2 |   | CH | CDI | T  | PLUS  |
| 10429 7511 1 | $\sqrt{-\left(\ln (x + \sqrt{x^2 - 1})\right)^2 y^2 + 1}$               | CH | CD  | P  | PLUS  |
| 10430 7511 2 |   | CH | CDI | P  | MINUS |
| 10431 7512 1 | $\sqrt{-\frac{\left(\ln(x + \sqrt{x^2 - 1})\right)^2 - y^2}{y^2}}$      | CH | CD  | P  | MINUS |
| 10432 7512 2 |   | CH | CDI | P  | PLUS  |
| 10433 7513 1 | $\sqrt{\left(\ln (x + \sqrt{x^2 - 1})\right)^2 y^2 + 1}$                | CH | CD  | H  | PLUS  |
| 10434 7513 2 |   | CH | CDI | H  | MINUS |
| 10435 7514 1 | $\sqrt{\frac{\left(\ln(x + \sqrt{x^2 - 1})\right)^2 + y^2}{y^2}}$       | CH | CD  | H  | MINUS |
| 10436 7514 2 |   | CH | CDI | H  | PLUS  |
| 10437 7515 1 | $1/2 (x + \sqrt{x^2 - 1})^y - 1/2 (x + \sqrt{x^2 - 1})^{-y}$            | CH | CD  | SH | PLUS  |
| 10438 7515 2 |   | CH | CDI | SH | MINUS |
| 10439 7516 1 | $1/2 \sqrt[y]{x + \sqrt{x^2 - 1}} - 1/2 (x + \sqrt{x^2 - 1})^{-y^{-1}}$ | CH | CD  | SH | MINUS |
| 10440 7516 2 |   | CH | CDI | SH | PLUS  |



|              |  |    |     |      |       |
|--------------|--|----|-----|------|-------|
| 10441 7517 1 | $1/2 (x + \sqrt{x^2 - 1})^y + 1/2 (x + \sqrt{x^2 - 1})^{-y}$   | CH | CD  | CH   | PLUS  |
| 10442 7517 2 |  | CH | CDI | CH   | MINUS |
| 10443 7518 1 | $1/2 \sqrt[y]{x + \sqrt{x^2 - 1}} + 1/2 (x + \sqrt{x^2 - 1})^{-y^{-1}}$                                      | CH | CD  | CH   | MINUS |
| 10444 7518 2 |  | CH | CDI | CH   | PLUS  |
| 10445 7519 1 | $\frac{(x + \sqrt{x^2 - 1})^{2y} - 1}{(x + \sqrt{x^2 - 1})^{2y} + 1}$  | CH | CD  | TH   | PLUS  |
| 10446 7519 2 |  | CH | CDI | TH   | MINUS |
| 10447 7520 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2y^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2y^{-1}} - 1 \right)^{-1}$ | CH | CD  | TH   | MINUS |
| 10448 7520 2 |  | CH | CDI | TH   | PLUS  |
| 10449 7521 1 | $\frac{\ln(x + \sqrt{x^2 - 1})y}{\pi}$   | CH | CDF | CD   | PLUS  |
| 10450 7522 1 | $\frac{\pi}{\ln(x + \sqrt{x^2 - 1})y}$   | CH | CDF | CDI  | PLUS  |
| 10451 7523 1 | $\frac{\ln(x + \sqrt{x^2 - 1})\pi^2}{y}$   | CH | CDF | CDF  | MINUS |
| 10452 7524 1 | $\frac{y}{\ln(x + \sqrt{x^2 - 1})\pi^2}$   | CH | CDF | CDIF | MINUS |
| 10453 7525 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^2 y^2}{\pi^2}$  | CH | CDF | AB   | PLUS  |
| 10454 7526 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^2 \pi^2}{y^2}$  | CH | CDF | AB   | MINUS |
| 10455 7527 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 - 1})y}{\pi}}$  | CH | CDF | W    | PLUS  |
| 10456 7528 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 - 1})\pi}{y}}$  | CH | CDF | W    | MINUS |
| 10457 7529 1 | $\frac{\pi^2}{(\ln(x + \sqrt{x^2 - 1}))^2 y^2}$  | CH | CDF | ABI  | PLUS  |
| 10458 7530 1 | $\frac{y^2}{(\ln(x + \sqrt{x^2 - 1}))^2 \pi^2}$  | CH | CDF | ABI  | MINUS |
| 10459 7531 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^3 y^3}{\pi^3}$  | CH | CDF | K    | PLUS  |
| 10460 7532 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^3 \pi^3}{y^3}$  | CH | CDF | K    | MINUS |

|              |  |    |     |    |       |
|--------------|--|----|-----|----|-------|
| 10461 7533 1 | $\frac{\pi^3}{(\ln(x+\sqrt{x^2-1}))^3 y^3}$  | CH | CDF | KI | PLUS  |
| 10462 7534 1 | $\frac{y^3}{(\ln(x+\sqrt{x^2-1}))^3 \pi^3}$  | CH | CDF | KI | MINUS |
| 10463 7535 1 | $(x + \sqrt{x^2 - 1})^{\frac{y}{\pi}}$   | CH | CDF | LL | PLUS  |
| 10464 7536 1 | $(x + \sqrt{x^2 - 1})^{\frac{\pi}{y}}$   | CH | CDF | LL | MINUS |
| 10465 7537 1 | $LOG \left( \frac{\ln(x+\sqrt{x^2-1})y}{\pi} \right)$                                  | CH | CDF | L  | PLUS  |
| 10466 7538 1 | $LOG \left( \frac{\ln(x+\sqrt{x^2-1})\pi}{y} \right)$                                  | CH | CDF | L  | MINUS |
| 10467 7539 1 | $\arcsin \left( \frac{\ln(x+\sqrt{x^2-1})y}{\pi} \right)$                              | CH | CDF | S  | PLUS  |
| 10468 7540 1 | $\arcsin \left( \frac{\ln(x+\sqrt{x^2-1})\pi}{y} \right)$                              | CH | CDF | S  | MINUS |
| 10469 7541 1 | $\arctan \left( \frac{\ln(x+\sqrt{x^2-1})y}{\pi} \right)$                              | CH | CDF | T  | PLUS  |
| 10470 7542 1 | $\arctan \left( \frac{\ln(x+\sqrt{x^2-1})\pi}{y} \right)$                              | CH | CDF | T  | MINUS |
| 10471 7543 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2-1}))^2 y^2 - \pi^2}{\pi^2}}$                            | CH | CDF | P  | PLUS  |
| 10472 7544 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2-1}))^2 \pi^2 - y^2}{y^2}}$                              | CH | CDF | P  | MINUS |
| 10473 7545 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2-1}))^2 y^2 + \pi^2}{\pi^2}}$                             | CH | CDF | H  | PLUS  |
| 10474 7546 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2-1}))^2 \pi^2 + y^2}{y^2}}$                               | CH | CDF | H  | MINUS |
| 10475 7547 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{y}{\pi}} - 1/2 (x + \sqrt{x^2 - 1})^{-\frac{y}{\pi}}$ | CH | CDF | SH | PLUS  |
| 10476 7548 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{\pi}{y}} - 1/2 (x + \sqrt{x^2 - 1})^{-\frac{\pi}{y}}$ | CH | CDF | SH | MINUS |
| 10477 7549 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{y}{\pi}} + 1/2 (x + \sqrt{x^2 - 1})^{-\frac{y}{\pi}}$ | CH | CDF | CH | PLUS  |

|              |  |    |      |      |       |
|--------------|--|----|------|------|-------|
| 10478 7550 1 | $1/2 \left( x + \sqrt{x^2 - 1} \right)^{\frac{\pi}{y}} + 1/2 \left( x + \sqrt{x^2 - 1} \right)^{-\frac{\pi}{y}}$                                       | CH | CDF  | CH   | MINUS |
| 10479 7551 1 | $1 \left( \left( x + \sqrt{x^2 - 1} \right)^{2 \frac{y}{\pi}} - 1 \right) \left( \left( x + \sqrt{x^2 - 1} \right)^{2 \frac{y}{\pi}} + 1 \right)^{-1}$ | CH | CDF  | TH   | PLUS  |
| 10480 7552 1 | $1 \left( \left( x + \sqrt{x^2 - 1} \right)^{2 \frac{\pi}{y}} - 1 \right) \left( \left( x + \sqrt{x^2 - 1} \right)^{2 \frac{\pi}{y}} + 1 \right)^{-1}$ | CH | CDF  | TH   | MINUS |
| 10481 7553 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{y\pi}$   | CH | CDIF | CD   | PLUS  |
| 10482 7554 1 | $\frac{y\pi}{\ln(x + \sqrt{x^2 - 1})}$   | CH | CDIF | CDI  | PLUS  |
| 10483 7555 1 | $\ln(x + \sqrt{x^2 - 1}) y\pi^2$   | CH | CDIF | CDF  | MINUS |
| 10484 7556 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) y\pi^2}$   | CH | CDIF | CDIF | MINUS |
| 10485 7557 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^2}{y^2\pi^2}$   | CH | CDIF | AB   | PLUS  |
| 10486 7558 1 | $(\ln(x + \sqrt{x^2 - 1}))^2 y^2\pi^2$   | CH | CDIF | AB   | MINUS |
| 10487 7559 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 - 1})}{y\pi}}$  | CH | CDIF | W    | PLUS  |
| 10488 7560 1 | $\sqrt{\ln(x + \sqrt{x^2 - 1})} y\pi$  | CH | CDIF | W    | MINUS |
| 10489 7561 1 | $\frac{y^2\pi^2}{(\ln(x + \sqrt{x^2 - 1}))^2}$   | CH | CDIF | ABI  | PLUS  |
| 10490 7562 1 | $\frac{1}{(\ln(x + \sqrt{x^2 - 1}))^2 y^2\pi^2}$   | CH | CDIF | ABI  | MINUS |
| 10491 7563 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^3}{y^3\pi^3}$   | CH | CDIF | K    | PLUS  |
| 10492 7564 1 | $(\ln(x + \sqrt{x^2 - 1}))^3 y^3\pi^3$   | CH | CDIF | K    | MINUS |
| 10493 7565 1 | $\frac{y^3\pi^3}{(\ln(x + \sqrt{x^2 - 1}))^3}$   | CH | CDIF | KI   | PLUS  |
| 10494 7566 1 | $\frac{1}{(\ln(x + \sqrt{x^2 - 1}))^3 y^3\pi^3}$   | CH | CDIF | KI   | MINUS |
| 10495 7567 1 | $(x + \sqrt{x^2 - 1})^{\frac{1}{y\pi}}$  | CH | CDIF | LL   | PLUS  |

|              |  |    |      |    |       |
|--------------|--|----|------|----|-------|
| 10496 7568 1 | $(x + \sqrt{x^2 - 1})^{y\pi}$  | CH | CDIF | LL | MINUS |
| 10497 7569 1 | $LOG \left( \frac{\ln(x + \sqrt{x^2 - 1})}{y\pi} \right)$  | CH | CDIF | L  | PLUS  |
| 10498 7570 1 | $LOG (\ln (x + \sqrt{x^2 - 1}) y\pi)$  | CH | CDIF | L  | MINUS |
| 10499 7571 1 | $\arcsin \left( \frac{\ln(x + \sqrt{x^2 - 1})}{y\pi} \right)$  | CH | CDIF | S  | PLUS  |
| 10500 7572 1 | $\arcsin (\ln (x + \sqrt{x^2 - 1}) y\pi)$  | CH | CDIF | S  | MINUS |
| 10501 7573 1 | $\arctan \left( \frac{\ln(x + \sqrt{x^2 - 1})}{y\pi} \right)$  | CH | CDIF | T  | PLUS  |
| 10502 7574 1 | $\arctan (\ln (x + \sqrt{x^2 - 1}) y\pi)$  | CH | CDIF | T  | MINUS |
| 10503 7575 1 | $\sqrt{-\frac{y^2\pi^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{y^2\pi^2}}$  | CH | CDIF | P  | PLUS  |
| 10504 7576 1 | $\sqrt{-(\ln(x + \sqrt{x^2 - 1}))^2 y^2\pi^2 + 1}$   | CH | CDIF | P  | MINUS |
| 10505 7577 1 | $\sqrt{\frac{y^2\pi^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{y^2\pi^2}}$   | CH | CDIF | H  | PLUS  |
| 10506 7578 1 | $\sqrt{(\ln(x + \sqrt{x^2 - 1}))^2 y^2\pi^2 + 1}$  | CH | CDIF | H  | MINUS |
| 10507 7579 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{y\pi}} - 1/2 (x + \sqrt{x^2 - 1})^{-\frac{1}{y\pi}}$                                 | CH | CDIF | SH | PLUS  |
| 10508 7580 1 | $1/2 (x + \sqrt{x^2 - 1})^{y\pi} - 1/2 (x + \sqrt{x^2 - 1})^{-y\pi}$   | CH | CDIF | SH | MINUS |
| 10509 7581 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{y\pi}} + 1/2 (x + \sqrt{x^2 - 1})^{-\frac{1}{y\pi}}$                                 | CH | CDIF | CH | PLUS  |
| 10510 7582 1 | $1/2 (x + \sqrt{x^2 - 1})^{y\pi} + 1/2 (x + \sqrt{x^2 - 1})^{-y\pi}$   | CH | CDIF | CH | MINUS |
| 10511 7583 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2\frac{1}{y\pi}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2\frac{1}{y\pi}} \right)^{-1}$ | CH | CDIF | TH | PLUS  |
| 10512 7584 1 | $\frac{(x + \sqrt{x^2 - 1})^{2y\pi} - 1}{(x + \sqrt{x^2 - 1})^{2y\pi} + 1}$  | CH | CDIF | TH | MINUS |
| 10513 7585 1 | $\ln(x + \sqrt{x^2 - 1}) \sqrt{y}$   | CH | AB   | CD | PLUS  |
| 10514 7585 2 |  | CH | ABI  | CD | MINUS |

|              |   |    |     |      |       |
|--------------|---|----|-----|------|-------|
| 10515 7586 1 | $\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{y}}$        | CH | AB  | CD   | MINUS |
| 10516 7586 2 |   | CH | ABI | CD   | PLUS  |
| 10517 7587 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt{y}}$       | CH | AB  | CDI  | PLUS  |
| 10518 7587 2 |   | CH | ABI | CDI  | MINUS |
| 10519 7588 1 | $\frac{\sqrt{y}}{\ln(x+\sqrt{x^2-1})}$        | CH | AB  | CDI  | MINUS |
| 10520 7588 2 |   | CH | ABI | CDI  | PLUS  |
| 10521 7589 1 | $\ln(x+\sqrt{x^2-1})\sqrt{y}\pi$              | CH | AB  | CDF  | PLUS  |
| 10522 7589 2 |   | CH | ABI | CDF  | MINUS |
| 10523 7590 1 | $\frac{\ln(x+\sqrt{x^2-1})\pi}{\sqrt{y}}$     | CH | AB  | CDF  | MINUS |
| 10524 7590 2 |   | CH | ABI | CDF  | PLUS  |
| 10525 7591 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt{y}\pi}$    | CH | AB  | CDIF | PLUS  |
| 10526 7591 2 |   | CH | ABI | CDIF | MINUS |
| 10527 7592 1 | $\frac{\sqrt{y}}{\ln(x+\sqrt{x^2-1})\pi}$     | CH | AB  | CDIF | MINUS |
| 10528 7592 2 |   | CH | ABI | CDIF | PLUS  |
| 10529 7593 1 | $(\ln(x+\sqrt{x^2-1}))^2 y$                   | CH | AB  | AB   | PLUS  |
| 10530 7593 2 |   | CH | ABI | AB   | MINUS |
| 10531 7594 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{y}$           | CH | AB  | AB   | MINUS |
| 10532 7594 2 |   | CH | ABI | AB   | PLUS  |
| 10533 7595 1 | $\sqrt{\ln(x+\sqrt{x^2-1})}\sqrt{y}$          | CH | AB  | W    | PLUS  |
| 10534 7595 2 |   | CH | ABI | W    | MINUS |
| 10535 7596 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{y}}}$ | CH | AB  | W    | MINUS |
| 10536 7596 2 |   | CH | ABI | W    | PLUS  |
| 10537 7597 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 y}$         | CH | AB  | ABI  | PLUS  |
| 10538 7597 2 |   | CH | ABI | ABI  | MINUS |
| 10539 7598 1 | $\frac{y}{(\ln(x+\sqrt{x^2-1}))^2}$           | CH | AB  | ABI  | MINUS |
| 10540 7598 2 |   | CH | ABI | ABI  | PLUS  |

|              |  |    |     |    |       |
|--------------|--|----|-----|----|-------|
| 10541 7599 1 | $(\ln(x + \sqrt{x^2 - 1}))^3 y^{3/2}$                          | CH | AB  | K  | PLUS  |
| 10542 7599 2 |  | CH | ABI | K  | MINUS |
| 10543 7600 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^3}{y^{3/2}}$                  | CH | AB  | K  | MINUS |
| 10544 7600 2 |  | CH | ABI | K  | PLUS  |
| 10545 7601 1 | $\frac{1}{(\ln(x + \sqrt{x^2 - 1}))^3 y^{3/2}}$                | CH | AB  | KI | PLUS  |
| 10546 7601 2 |  | CH | ABI | KI | MINUS |
| 10547 7602 1 | $\frac{y^{3/2}}{(\ln(x + \sqrt{x^2 - 1}))^3}$                  | CH | AB  | KI | MINUS |
| 10548 7602 2 |  | CH | ABI | KI | PLUS  |
| 10549 7603 1 | $(x + \sqrt{x^2 - 1})^{\sqrt{y}}$                              | CH | AB  | LL | PLUS  |
| 10550 7603 2 |  | CH | ABI | LL | MINUS |
| 10551 7604 1 | $(x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt{y}}}$                    | CH | AB  | LL | MINUS |
| 10552 7604 2 |  | CH | ABI | LL | PLUS  |
| 10553 7605 1 | $LOG(\ln(x + \sqrt{x^2 - 1}) \sqrt{y})$                        | CH | AB  | L  | PLUS  |
| 10554 7605 2 |  | CH | ABI | L  | MINUS |
| 10555 7606 1 | $LOG\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y}}\right)$     | CH | AB  | L  | MINUS |
| 10556 7606 2 |  | CH | ABI | L  | PLUS  |
| 10557 7607 1 | $\arcsin(\ln(x + \sqrt{x^2 - 1}) \sqrt{y})$                    | CH | AB  | S  | PLUS  |
| 10558 7607 2 |  | CH | ABI | S  | MINUS |
| 10559 7608 1 | $\arcsin\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y}}\right)$ | CH | AB  | S  | MINUS |
| 10560 7608 2 |  | CH | ABI | S  | PLUS  |
| 10561 7609 1 | $\arctan(\ln(x + \sqrt{x^2 - 1}) \sqrt{y})$                    | CH | AB  | T  | PLUS  |
| 10562 7609 2 |  | CH | ABI | T  | MINUS |
| 10563 7610 1 | $\arctan\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y}}\right)$ | CH | AB  | T  | MINUS |
| 10564 7610 2 |  | CH | ABI | T  | PLUS  |
| 10565 7611 1 | $\sqrt{-(\ln(x + \sqrt{x^2 - 1}))^2 y + 1}$                    | CH | AB  | P  | PLUS  |
| 10566 7611 2 |  | CH | ABI | P  | MINUS |

|              |  |    |     |     |       |
|--------------|--|----|-----|-----|-------|
| 10567 7612 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2-1}))^2-y}{y}}$  | CH | AB  | P   | MINUS |
| 10568 7612 2 |  | CH | ABI | P   | PLUS  |
| 10569 7613 1 | $\sqrt{(\ln(x+\sqrt{x^2-1}))^2 y + 1}$   | CH | AB  | H   | PLUS  |
| 10570 7613 2 |  | CH | ABI | H   | MINUS |
| 10571 7614 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2-1}))^2+y}{y}}$   | CH | AB  | H   | MINUS |
| 10572 7614 2 |  | CH | ABI | H   | PLUS  |
| 10573 7615 1 | $1/2 (x + \sqrt{x^2-1})^{\sqrt{y}} - 1/2 (x + \sqrt{x^2-1})^{-\sqrt{y}}$   | CH | AB  | SH  | PLUS  |
| 10574 7615 2 |  | CH | ABI | SH  | MINUS |
| 10575 7616 1 | $1/2 (x + \sqrt{x^2-1})^{\frac{1}{\sqrt{y}}} - 1/2 (x + \sqrt{x^2-1})^{-\frac{1}{\sqrt{y}}}$                                     | CH | AB  | SH  | MINUS |
| 10576 7616 2 |  | CH | ABI | SH  | PLUS  |
| 10577 7617 1 | $1/2 (x + \sqrt{x^2-1})^{\sqrt{y}} + 1/2 (x + \sqrt{x^2-1})^{-\sqrt{y}}$   | CH | AB  | CH  | PLUS  |
| 10578 7617 2 |  | CH | ABI | CH  | MINUS |
| 10579 7618 1 | $1/2 (x + \sqrt{x^2-1})^{\frac{1}{\sqrt{y}}} + 1/2 (x + \sqrt{x^2-1})^{-\frac{1}{\sqrt{y}}}$                                     | CH | AB  | CH  | MINUS |
| 10580 7618 2 |  | CH | ABI | CH  | PLUS  |
| 10581 7619 1 | $\frac{(x+\sqrt{x^2-1})^{2\sqrt{y}}-1}{(x+\sqrt{x^2-1})^{2\sqrt{y}}+1}$  | CH | AB  | TH  | PLUS  |
| 10582 7619 2 |  | CH | ABI | TH  | MINUS |
| 10583 7620 1 | $1 \left( (x + \sqrt{x^2-1})^{2\frac{1}{\sqrt{y}}} - 1 \right) \left( (x + \sqrt{x^2-1})^{2\frac{1}{\sqrt{y}}} + 1 \right)^{-1}$ | CH | AB  | TH  | MINUS |
| 10584 7620 2 |  | CH | ABI | TH  | PLUS  |
| 10585 7621 1 | $\ln(x + \sqrt{x^2-1}) y^2$  | CH | W   | CD  | PLUS  |
| 10586 7622 1 | $\frac{\ln(x+\sqrt{x^2-1})}{y^2}$  | CH | W   | CD  | MINUS |
| 10587 7623 1 | $\frac{1}{\ln(x+\sqrt{x^2-1}) y^2}$  | CH | W   | CDI | PLUS  |
| 10588 7624 1 | $\frac{y^2}{\ln(x+\sqrt{x^2-1})}$  | CH | W   | CDI | MINUS |
| 10589 7625 1 | $\ln(x + \sqrt{x^2-1}) y^2 \pi$  | CH | W   | CDF | PLUS  |

|              |   |    |   |      |       |
|--------------|---|----|---|------|-------|
| 10590 7626 1 | $\frac{\ln(x+\sqrt{x^2-1})\pi}{y^2}$              | CH | W | CDF  | MINUS |
| 10591 7627 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})y^2\pi}$             | CH | W | CDIF | PLUS  |
| 10592 7628 1 | $\frac{y^2}{\ln(x+\sqrt{x^2-1})\pi}$              | CH | W | CDIF | MINUS |
| 10593 7629 1 | $(\ln(x+\sqrt{x^2-1}))^2 y^4$                     | CH | W | AB   | PLUS  |
| 10594 7630 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{y^4}$             | CH | W | AB   | MINUS |
| 10595 7631 1 | $\sqrt{\ln(x+\sqrt{x^2-1})} y^2$                  | CH | W | W    | PLUS  |
| 10596 7632 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{y^2}}$          | CH | W | W    | MINUS |
| 10597 7633 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 y^4}$           | CH | W | ABI  | PLUS  |
| 10598 7634 1 | $\frac{y^4}{(\ln(x+\sqrt{x^2-1}))^2}$             | CH | W | ABI  | MINUS |
| 10599 7635 1 | $(\ln(x+\sqrt{x^2-1}))^3 y^6$                     | CH | W | K    | PLUS  |
| 10600 7636 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{y^6}$             | CH | W | K    | MINUS |
| 10601 7637 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 y^6}$           | CH | W | KI   | PLUS  |
| 10602 7638 1 | $\frac{y^6}{(\ln(x+\sqrt{x^2-1}))^3}$             | CH | W | KI   | MINUS |
| 10603 7639 1 | $(x+\sqrt{x^2-1})^{y^2}$                          | CH | W | LL   | PLUS  |
| 10604 7640 1 | $(x+\sqrt{x^2-1})^{y^{-2}}$                       | CH | W | LL   | MINUS |
| 10605 7641 1 | $LOG(\ln(x+\sqrt{x^2-1}) y^2)$                    | CH | W | L    | PLUS  |
| 10606 7642 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{y^2}\right)$ | CH | W | L    | MINUS |
| 10607 7643 1 | $\arcsin(\ln(x+\sqrt{x^2-1}) y^2)$                | CH | W | S    | PLUS  |



|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 10608 7644 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{y^2}\right)$                                      | CH | W  | S   | MINUS |
| 10609 7645 1 | $\arctan(\ln(x+\sqrt{x^2-1})y^2)$  | CH | W  | T   | PLUS  |
| 10610 7646 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{y^2}\right)$                                      | CH | W  | T   | MINUS |
| 10611 7647 1 | $\sqrt{-(\ln(x+\sqrt{x^2-1}))^2 y^4 + 1}$  | CH | W  | P   | PLUS  |
| 10612 7648 1 | $\sqrt{-\frac{-y^4+(\ln(x+\sqrt{x^2-1}))^2}{y^4}}$   | CH | W  | P   | MINUS |
| 10613 7649 1 | $\sqrt{(\ln(x+\sqrt{x^2-1}))^2 y^4 + 1}$   | CH | W  | H   | PLUS  |
| 10614 7650 1 | $\sqrt{\frac{y^4+(\ln(x+\sqrt{x^2-1}))^2}{y^4}}$   | CH | W  | H   | MINUS |
| 10615 7651 1 | $1/2 (x+\sqrt{x^2-1})^{y^2} - 1/2 (x+\sqrt{x^2-1})^{-y^2}$                                 | CH | W  | SH  | PLUS  |
| 10616 7652 1 | $1/2 (x+\sqrt{x^2-1})^{y^{-2}} - 1/2 (x+\sqrt{x^2-1})^{-y^{-2}}$                           | CH | W  | SH  | MINUS |
| 10617 7653 1 | $1/2 (x+\sqrt{x^2-1})^{y^2} + 1/2 (x+\sqrt{x^2-1})^{-y^2}$                                 | CH | W  | CH  | PLUS  |
| 10618 7654 1 | $1/2 (x+\sqrt{x^2-1})^{y^{-2}} + 1/2 (x+\sqrt{x^2-1})^{-y^{-2}}$                           | CH | W  | CH  | MINUS |
| 10619 7655 1 | $\frac{(x+\sqrt{x^2-1})^{2y^2}-1}{(x+\sqrt{x^2-1})^{2y^2}+1}$                              | CH | W  | TH  | PLUS  |
| 10620 7656 1 | $1\left((x+\sqrt{x^2-1})^{2y^{-2}}-1\right)\left((x+\sqrt{x^2-1})^{2y^{-2}}+1\right)^{-1}$ | CH | W  | TH  | MINUS |
| 10621 7657 1 | $\ln(x+\sqrt{x^2-1})\sqrt[3]{y}$   | CH | K  | CD  | PLUS  |
| 10622 7657 2 |  | CH | KI | CD  | MINUS |
| 10623 7658 1 | $\frac{\ln(x+\sqrt{x^2-1})}{\sqrt[3]{y}}$  | CH | K  | CD  | MINUS |
| 10624 7658 2 |  | CH | KI | CD  | PLUS  |
| 10625 7659 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt[3]{y}}$   | CH | K  | CDI | PLUS  |
| 10626 7659 2 |  | CH | KI | CDI | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 10627 7660 1 | $\frac{\sqrt[3]{y}}{\ln(x+\sqrt{x^2-1})}$        | CH | K  | CDI  | MINUS |
| 10628 7660 2 |  | CH | KI | CDI  | PLUS  |
| 10629 7661 1 | $\ln(x+\sqrt{x^2-1})\sqrt[3]{y}\pi$              | CH | K  | CDF  | PLUS  |
| 10630 7661 2 |  | CH | KI | CDF  | MINUS |
| 10631 7662 1 | $\frac{\ln(x+\sqrt{x^2-1})\pi}{\sqrt[3]{y}}$     | CH | K  | CDF  | MINUS |
| 10632 7662 2 |  | CH | KI | CDF  | PLUS  |
| 10633 7663 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt[3]{y}\pi}$    | CH | K  | CDIF | PLUS  |
| 10634 7663 2 |  | CH | KI | CDIF | MINUS |
| 10635 7664 1 | $\frac{\sqrt[3]{y}}{\ln(x+\sqrt{x^2-1})\pi}$     | CH | K  | CDIF | MINUS |
| 10636 7664 2 |  | CH | KI | CDIF | PLUS  |
| 10637 7665 1 | $(\ln(x+\sqrt{x^2-1}))^2 y^{2/3}$                | CH | K  | AB   | PLUS  |
| 10638 7665 2 |  | CH | KI | AB   | MINUS |
| 10639 7666 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{y^{2/3}}$        | CH | K  | AB   | MINUS |
| 10640 7666 2 |  | CH | KI | AB   | PLUS  |
| 10641 7667 1 | $\sqrt{\ln(x+\sqrt{x^2-1})}\sqrt[3]{y}$          | CH | K  | W    | PLUS  |
| 10642 7667 2 |  | CH | KI | W    | MINUS |
| 10643 7668 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\sqrt[3]{y}}}$ | CH | K  | W    | MINUS |
| 10644 7668 2 |  | CH | KI | W    | PLUS  |
| 10645 7669 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 y^{2/3}}$      | CH | K  | ABI  | PLUS  |
| 10646 7669 2 |  | CH | KI | ABI  | MINUS |
| 10647 7670 1 | $\frac{y^{2/3}}{(\ln(x+\sqrt{x^2-1}))^2}$        | CH | K  | ABI  | MINUS |
| 10648 7670 2 |  | CH | KI | ABI  | PLUS  |
| 10649 7671 1 | $(\ln(x+\sqrt{x^2-1}))^3 y$                      | CH | K  | K    | PLUS  |
| 10650 7671 2 |  | CH | KI | K    | MINUS |
| 10651 7672 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{y}$              | CH | K  | K    | MINUS |
| 10652 7672 2 |  | CH | KI | K    | PLUS  |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 10653 7673 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 y}$                         | CH | K  | KI | PLUS  |
| 10654 7673 2 |   | CH | KI | KI | MINUS |
| 10655 7674 1 | $\frac{y}{(\ln(x+\sqrt{x^2-1}))^3}$                           | CH | K  | KI | MINUS |
| 10656 7674 2 |   | CH | KI | KI | PLUS  |
| 10657 7675 1 | $(x + \sqrt{x^2 - 1})^{\sqrt[3]{y}}$                          | CH | K  | LL | PLUS  |
| 10658 7675 2 |   | CH | KI | LL | MINUS |
| 10659 7676 1 | $(x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt[3]{y}}}$                | CH | K  | LL | MINUS |
| 10660 7676 2 |   | CH | KI | LL | PLUS  |
| 10661 7677 1 | $LOG(\ln(x + \sqrt{x^2 - 1})^{\sqrt[3]{y}})$                  | CH | K  | L  | PLUS  |
| 10662 7677 2 |   | CH | KI | L  | MINUS |
| 10663 7678 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{\sqrt[3]{y}}\right)$     | CH | K  | L  | MINUS |
| 10664 7678 2 |   | CH | KI | L  | PLUS  |
| 10665 7679 1 | $\arcsin(\ln(x + \sqrt{x^2 - 1})^{\sqrt[3]{y}})$              | CH | K  | S  | PLUS  |
| 10666 7679 2 |   | CH | KI | S  | MINUS |
| 10667 7680 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{\sqrt[3]{y}}\right)$ | CH | K  | S  | MINUS |
| 10668 7680 2 |   | CH | KI | S  | PLUS  |
| 10669 7681 1 | $\arctan(\ln(x + \sqrt{x^2 - 1})^{\sqrt[3]{y}})$              | CH | K  | T  | PLUS  |
| 10670 7681 2 |   | CH | KI | T  | MINUS |
| 10671 7682 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{\sqrt[3]{y}}\right)$ | CH | K  | T  | MINUS |
| 10672 7682 2 |   | CH | KI | T  | PLUS  |
| 10673 7683 1 | $\sqrt{-(\ln(x + \sqrt{x^2 - 1}))^2 y^{2/3} + 1}$             | CH | K  | P  | PLUS  |
| 10674 7683 2 |   | CH | KI | P  | MINUS |
| 10675 7684 1 | $\sqrt{\frac{y^{2/3} - (\ln(x+\sqrt{x^2-1}))^2}{y^{2/3}}}$    | CH | K  | P  | MINUS |
| 10676 7684 2 |   | CH | KI | P  | PLUS  |
| 10677 7685 1 | $\sqrt{(\ln(x + \sqrt{x^2 - 1}))^2 y^{2/3} + 1}$              | CH | K  | H  | PLUS  |
| 10678 7685 2 |   | CH | KI | H  | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 10679 7686 1 | $\sqrt{\frac{y^{2/3} + (\ln(x + \sqrt{x^2 - 1}))^2}{y^{2/3}}}$   | CH | K  | H    | MINUS |
| 10680 7686 2 |  | CH | KI | H    | PLUS  |
| 10681 7687 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt[3]{y}}} - 1/2 (x + \sqrt{x^2 - 1})^{-\frac{1}{\sqrt[3]{y}}}$                                   | CH | K  | SH   | PLUS  |
| 10682 7687 2 |  | CH | KI | SH   | MINUS |
| 10683 7688 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt[3]{y}}} - 1/2 (x + \sqrt{x^2 - 1})^{-\frac{1}{\sqrt[3]{y}}}$                                   | CH | K  | SH   | MINUS |
| 10684 7688 2 |  | CH | KI | SH   | PLUS  |
| 10685 7689 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt[3]{y}}} + 1/2 (x + \sqrt{x^2 - 1})^{-\frac{1}{\sqrt[3]{y}}}$                                   | CH | K  | CH   | PLUS  |
| 10686 7689 2 |  | CH | KI | CH   | MINUS |
| 10687 7690 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt[3]{y}}} + 1/2 (x + \sqrt{x^2 - 1})^{-\frac{1}{\sqrt[3]{y}}}$                                   | CH | K  | CH   | MINUS |
| 10688 7690 2 |  | CH | KI | CH   | PLUS  |
| 10689 7691 1 | $\frac{(x + \sqrt{x^2 - 1})^2 \frac{1}{\sqrt[3]{y}} - 1}{(x + \sqrt{x^2 - 1})^2 \frac{1}{\sqrt[3]{y}} + 1}$                              | CH | K  | TH   | PLUS  |
| 10690 7691 2 |  | CH | KI | TH   | MINUS |
| 10691 7692 1 | $1 \left( (x + \sqrt{x^2 - 1})^2 \frac{1}{\sqrt[3]{y}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^2 \frac{1}{\sqrt[3]{y}} + 1 \right)^{-1}$ | CH | K  | TH   | MINUS |
| 10692 7692 2 |  | CH | KI | TH   | PLUS  |
| 10693 7693 1 | $\ln(x + \sqrt{x^2 - 1}) \ln(y)$   | CH | LL | CD   | PLUS  |
| 10694 7694 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y)}$   | CH | LL | CD   | MINUS |
| 10695 7695 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \ln(y)}$   | CH | LL | CDI  | PLUS  |
| 10696 7696 1 | $\frac{\ln(y)}{\ln(x + \sqrt{x^2 - 1})}$   | CH | LL | CDI  | MINUS |
| 10697 7697 1 | $\ln(x + \sqrt{x^2 - 1}) \ln(y) \pi$   | CH | LL | CDF  | PLUS  |
| 10698 7698 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{\ln(y)}$   | CH | LL | CDF  | MINUS |
| 10699 7699 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \ln(y) \pi}$   | CH | LL | CDIF | PLUS  |
| 10700 7700 1 | $\frac{\ln(y)}{\ln(x + \sqrt{x^2 - 1}) \pi}$   | CH | LL | CDIF | MINUS |
| 10701 7701 1 | $(\ln(x + \sqrt{x^2 - 1}))^2 (\ln(y))^2$   | CH | LL | AB   | PLUS  |

|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 10702 7702 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{(\ln(y))^2}$             | CH | LL | AB  | MINUS |
| 10703 7703 1 | $\sqrt{\ln(x+\sqrt{x^2-1}) \ln(y)}$                      | CH | LL | W   | PLUS  |
| 10704 7704 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\ln(y)}}$              | CH | LL | W   | MINUS |
| 10705 7705 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 (\ln(y))^2}$           | CH | LL | ABI | PLUS  |
| 10706 7706 1 | $\frac{(\ln(y))^2}{(\ln(x+\sqrt{x^2-1}))^2}$             | CH | LL | ABI | MINUS |
| 10707 7707 1 | $(\ln(x+\sqrt{x^2-1}))^3 (\ln(y))^3$                     | CH | LL | K   | PLUS  |
| 10708 7708 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(\ln(y))^3}$             | CH | LL | K   | MINUS |
| 10709 7709 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 (\ln(y))^3}$           | CH | LL | KI  | PLUS  |
| 10710 7710 1 | $\frac{(\ln(y))^3}{(\ln(x+\sqrt{x^2-1}))^3}$             | CH | LL | KI  | MINUS |
| 10711 7711 1 | $(x+\sqrt{x^2-1})^{\ln(y)}$                              | CH | LL | LL  | PLUS  |
| 10712 7712 1 | $(x+\sqrt{x^2-1})^{(\ln(y))^{-1}}$                       | CH | LL | LL  | MINUS |
| 10713 7713 1 | $LOG(\ln(x+\sqrt{x^2-1}) \ln(y))$                        | CH | LL | L   | PLUS  |
| 10714 7714 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{\ln(y)}\right)$     | CH | LL | L   | MINUS |
| 10715 7715 1 | $\arcsin(\ln(x+\sqrt{x^2-1}) \ln(y))$                    | CH | LL | S   | PLUS  |
| 10716 7716 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{\ln(y)}\right)$ | CH | LL | S   | MINUS |
| 10717 7717 1 | $\arctan(\ln(x+\sqrt{x^2-1}) \ln(y))$                    | CH | LL | T   | PLUS  |
| 10718 7718 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{\ln(y)}\right)$ | CH | LL | T   | MINUS |
| 10719 7719 1 | $\sqrt{-(\ln(x+\sqrt{x^2-1}))^2 (\ln(y))^2 + 1}$         | CH | LL | P   | PLUS  |

|       |      |   |  |    |    |      |       |
|-------|------|---|--|----|----|------|-------|
| 10720 | 7720 | 1 | $\sqrt{\frac{(\ln(y))^2 - (\ln(x + \sqrt{x^2 - 1}))^2}{(\ln(y))^2}}$   | CH | LL | P    | MINUS |
| 10721 | 7721 | 1 | $\sqrt{(\ln(x + \sqrt{x^2 - 1}))^2 (\ln(y))^2 + 1}$  | CH | LL | H    | PLUS  |
| 10722 | 7722 | 1 | $\sqrt{\frac{(\ln(y))^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{(\ln(y))^2}}$   | CH | LL | H    | MINUS |
| 10723 | 7723 | 1 | $1/2 (x + \sqrt{x^2 - 1})^{\ln(y)} - 1/2 (x + \sqrt{x^2 - 1})^{-\ln(y)}$   | CH | LL | SH   | PLUS  |
| 10724 | 7724 | 1 | $1/2 (x + \sqrt{x^2 - 1})^{(\ln(y))^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-(\ln(y))^{-1}}$                                       | CH | LL | SH   | MINUS |
| 10725 | 7725 | 1 | $1/2 (x + \sqrt{x^2 - 1})^{\ln(y)} + 1/2 (x + \sqrt{x^2 - 1})^{-\ln(y)}$   | CH | LL | CH   | PLUS  |
| 10726 | 7726 | 1 | $1/2 (x + \sqrt{x^2 - 1})^{(\ln(y))^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-(\ln(y))^{-1}}$                                       | CH | LL | CH   | MINUS |
| 10727 | 7727 | 1 | $\frac{(x + \sqrt{x^2 - 1})^{2 \ln(y)} - 1}{(x + \sqrt{x^2 - 1})^{2 \ln(y)} + 1}$  | CH | LL | TH   | PLUS  |
| 10728 | 7728 | 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2 (\ln(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2 (\ln(y))^{-1}} + 1 \right)^{-1}$ | CH | LL | TH   | MINUS |
| 10729 | 7729 | 1 | $\ln(x + \sqrt{x^2 - 1}) \text{EXP}(y)$  | CH | L  | CD   | PLUS  |
| 10730 | 7730 | 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{\text{EXP}(y)}$  | CH | L  | CD   | MINUS |
| 10731 | 7731 | 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \text{EXP}(y)}$  | CH | L  | CDI  | PLUS  |
| 10732 | 7732 | 1 | $\frac{\text{EXP}(y)}{\ln(x + \sqrt{x^2 - 1})}$  | CH | L  | CDI  | MINUS |
| 10733 | 7733 | 1 | $\ln(x + \sqrt{x^2 - 1}) \text{EXP}(y) \pi$  | CH | L  | CDF  | PLUS  |
| 10734 | 7734 | 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{\text{EXP}(y)}$  | CH | L  | CDF  | MINUS |
| 10735 | 7735 | 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \text{EXP}(y) \pi}$  | CH | L  | CDIF | PLUS  |
| 10736 | 7736 | 1 | $\frac{\text{EXP}(y)}{\ln(x + \sqrt{x^2 - 1}) \pi}$  | CH | L  | CDIF | MINUS |
| 10737 | 7737 | 1 | $(\ln(x + \sqrt{x^2 - 1}))^2 (\text{EXP}(y))^2$  | CH | L  | AB   | PLUS  |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 10738 7738 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{(EXP(y))^2}$             | CH | L | AB  | MINUS |
| 10739 7739 1 | $\sqrt{\ln(x+\sqrt{x^2-1}) EXP(y)}$                      | CH | L | W   | PLUS  |
| 10740 7740 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{EXP(y)}}$              | CH | L | W   | MINUS |
| 10741 7741 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 (EXP(y))^2}$           | CH | L | ABI | PLUS  |
| 10742 7742 1 | $\frac{(EXP(y))^2}{(\ln(x+\sqrt{x^2-1}))^2}$             | CH | L | ABI | MINUS |
| 10743 7743 1 | $(\ln(x+\sqrt{x^2-1}))^3 (EXP(y))^3$                     | CH | L | K   | PLUS  |
| 10744 7744 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(EXP(y))^3}$             | CH | L | K   | MINUS |
| 10745 7745 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 (EXP(y))^3}$           | CH | L | KI  | PLUS  |
| 10746 7746 1 | $\frac{(EXP(y))^3}{(\ln(x+\sqrt{x^2-1}))^3}$             | CH | L | KI  | MINUS |
| 10747 7747 1 | $(x+\sqrt{x^2-1})^{EXP(y)}$                              | CH | L | LL  | PLUS  |
| 10748 7748 1 | $(x+\sqrt{x^2-1})^{(EXP(y))^{-1}}$                       | CH | L | LL  | MINUS |
| 10749 7749 1 | $LOG(\ln(x+\sqrt{x^2-1}) EXP(y))$                        | CH | L | L   | PLUS  |
| 10750 7750 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{EXP(y)}\right)$     | CH | L | L   | MINUS |
| 10751 7751 1 | $\arcsin(\ln(x+\sqrt{x^2-1}) EXP(y))$                    | CH | L | S   | PLUS  |
| 10752 7752 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{EXP(y)}\right)$ | CH | L | S   | MINUS |
| 10753 7753 1 | $\arctan(\ln(x+\sqrt{x^2-1}) EXP(y))$                    | CH | L | T   | PLUS  |
| 10754 7754 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{EXP(y)}\right)$ | CH | L | T   | MINUS |
| 10755 7755 1 | $\sqrt{-(\ln(x+\sqrt{x^2-1}))^2 (EXP(y))^2 + 1}$         | CH | L | P   | PLUS  |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 10756 7756 1 | $\sqrt{\frac{(EXP(y))^2 - (\ln(x + \sqrt{x^2 - 1}))^2}{(EXP(y))^2}}$   | CH | L  | P    | MINUS |
| 10757 7757 1 | $\sqrt{(\ln(x + \sqrt{x^2 - 1}))^2 (EXP(y))^2 + 1}$  | CH | L  | H    | PLUS  |
| 10758 7758 1 | $\sqrt{\frac{(EXP(y))^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{(EXP(y))^2}}$   | CH | L  | H    | MINUS |
| 10759 7759 1 | $1/2 (x + \sqrt{x^2 - 1})^{EXP(y)} - 1/2 (x + \sqrt{x^2 - 1})^{\bar{C}H^{EXP(y)}}$   | L  | SH | PLUS |       |
| 10760 7760 1 | $1/2 (x + \sqrt{x^2 - 1})^{(EXP(y))^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-(EXP(y))^{-1}}$                                       | CH | L  | SH   | MINUS |
| 10761 7761 1 | $1/2 (x + \sqrt{x^2 - 1})^{EXP(y)} + 1/2 (x + \sqrt{x^2 - 1})^{\bar{C}H^{EXP(y)}}$   | L  | CH | PLUS |       |
| 10762 7762 1 | $1/2 (x + \sqrt{x^2 - 1})^{(EXP(y))^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-(EXP(y))^{-1}}$                                       | CH | L  | CH   | MINUS |
| 10763 7763 1 | $\frac{(x + \sqrt{x^2 - 1})^{2 EXP(y)} - 1}{(x + \sqrt{x^2 - 1})^{2 EXP(y)} + 1}$  | CH | L  | TH   | PLUS  |
| 10764 7764 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2 (EXP(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2 (EXP(y))^{-1}} + 1 \right)^{-1}$ | CH | L  | TH   | MINUS |
| 10765 7765 1 | $\ln(x + \sqrt{x^2 - 1}) \sin(y)$  | CH | S  | CD   | PLUS  |
| 10766 7766 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{\sin(y)}$  | CH | S  | CD   | MINUS |
| 10767 7767 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \sin(y)}$  | CH | S  | CDI  | PLUS  |
| 10768 7768 1 | $\frac{\sin(y)}{\ln(x + \sqrt{x^2 - 1})}$  | CH | S  | CDI  | MINUS |
| 10769 7769 1 | $\ln(x + \sqrt{x^2 - 1}) \sin(y) \pi$  | CH | S  | CDF  | PLUS  |
| 10770 7770 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{\sin(y)}$  | CH | S  | CDF  | MINUS |
| 10771 7771 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \sin(y) \pi}$  | CH | S  | CDIF | PLUS  |
| 10772 7772 1 | $\frac{\sin(y)}{\ln(x + \sqrt{x^2 - 1}) \pi}$  | CH | S  | CDIF | MINUS |
| 10773 7773 1 | $(\ln(x + \sqrt{x^2 - 1}))^2 (\sin(y))^2$  | CH | S  | AB   | PLUS  |



|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 10774 7774 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{(\sin(y))^2}$                          | CH | S | AB  | MINUS |
| 10775 7775 1 | $\sqrt{\ln(x+\sqrt{x^2-1}) \sin(y)}$                                   | CH | S | W   | PLUS  |
| 10776 7776 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\sin(y)}}$                           | CH | S | W   | MINUS |
| 10777 7777 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 (\sin(y))^2}$                        | CH | S | ABI | PLUS  |
| 10778 7778 1 | $\frac{(\sin(y))^2}{(\ln(x+\sqrt{x^2-1}))^2}$                          | CH | S | ABI | MINUS |
| 10779 7779 1 | $(\ln(x+\sqrt{x^2-1}))^3 (\sin(y))^3$                                  | CH | S | K   | PLUS  |
| 10780 7780 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(\sin(y))^3}$                          | CH | S | K   | MINUS |
| 10781 7781 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 (\sin(y))^3}$                        | CH | S | KI  | PLUS  |
| 10782 7782 1 | $\frac{(\sin(y))^3}{(\ln(x+\sqrt{x^2-1}))^3}$                          | CH | S | KI  | MINUS |
| 10783 7783 1 | $(x+\sqrt{x^2-1})^{\sin(y)}$   | CH | S | LL  | PLUS  |
| 10784 7784 1 | $(x+\sqrt{x^2-1})^{(\sin(y))^{-1}}$                                    | CH | S | LL  | MINUS |
| 10785 7785 1 | $LOG(\ln(x+\sqrt{x^2-1}) \sin(y))$                                     | CH | S | L   | PLUS  |
| 10786 7786 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{\sin(y)}\right)$                  | CH | S | L   | MINUS |
| 10787 7787 1 | $\arcsin(\ln(x+\sqrt{x^2-1}) \sin(y))$                                 | CH | S | S   | PLUS  |
| 10788 7788 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{\sin(y)}\right)$              | CH | S | S   | MINUS |
| 10789 7789 1 | $\arctan(\ln(x+\sqrt{x^2-1}) \sin(y))$                                 | CH | S | T   | PLUS  |
| 10790 7790 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{\sin(y)}\right)$              | CH | S | T   | MINUS |
| 10791 7791 1 | $\sqrt{(\cos(y))^2 (\ln(x+\sqrt{x^2-1}))^2 - (\ln(x+\sqrt{x^2-1}))^2}$ | CH | S | S+1 | PLUS  |

|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 10792 7792 1 | $\sqrt{\frac{(\sin(y))^2 - (\ln(x + \sqrt{x^2 - 1}))^2}{(\sin(y))^2}}$   | CH | S | P    | MINUS |
| 10793 7793 1 | $\sqrt{-(\cos(y))^2 (\ln(x + \sqrt{x^2 - 1}))^2 + (\ln(x + \sqrt{x^2 - 1}))^2} + 1$  | CH | S | H    | PLUS  |
| 10794 7794 1 | $\sqrt{\frac{(\sin(y))^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{(\sin(y))^2}}$   | CH | S | H    | MINUS |
| 10795 7795 1 | $1/2 (x + \sqrt{x^2 - 1})^{\sin(y)} - 1/2 (x + \sqrt{x^2 - 1})^{-\sin(y)}$   | CH | S | SH   | PLUS  |
| 10796 7796 1 | $1/2 (x + \sqrt{x^2 - 1})^{(\sin(y))^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-(\sin(y))^{-1}}$                                       | CH | S | SH   | MINUS |
| 10797 7797 1 | $1/2 (x + \sqrt{x^2 - 1})^{\sin(y)} + 1/2 (x + \sqrt{x^2 - 1})^{-\sin(y)}$   | CH | S | CH   | PLUS  |
| 10798 7798 1 | $1/2 (x + \sqrt{x^2 - 1})^{(\sin(y))^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-(\sin(y))^{-1}}$                                       | CH | S | CH   | MINUS |
| 10799 7799 1 | $\frac{(x + \sqrt{x^2 - 1})^{2 \sin(y)} - 1}{(x + \sqrt{x^2 - 1})^{2 \sin(y)} + 1}$  | CH | S | TH   | PLUS  |
| 10800 7800 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2 (\sin(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2 (\sin(y))^{-1}} + 1 \right)^{-1}$ | CH | S | TH   | MINUS |
| 10801 7801 1 | $\ln(x + \sqrt{x^2 - 1}) \tan(y)$  | CH | T | CD   | PLUS  |
| 10802 7802 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{\tan(y)}$  | CH | T | CD   | MINUS |
| 10803 7803 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \tan(y)}$  | CH | T | CDI  | PLUS  |
| 10804 7804 1 | $\frac{\tan(y)}{\ln(x + \sqrt{x^2 - 1})}$  | CH | T | CDI  | MINUS |
| 10805 7805 1 | $\ln(x + \sqrt{x^2 - 1}) \tan(y) \pi$  | CH | T | CDF  | PLUS  |
| 10806 7806 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{\tan(y)}$  | CH | T | CDF  | MINUS |
| 10807 7807 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \tan(y) \pi}$  | CH | T | CDIF | PLUS  |
| 10808 7808 1 | $\frac{\tan(y)}{\ln(x + \sqrt{x^2 - 1}) \pi}$  | CH | T | CDIF | MINUS |
| 10809 7809 1 | $(\ln(x + \sqrt{x^2 - 1}))^2 (\tan(y))^2$  | CH | T | AB   | PLUS  |

|              |   |    |   |     |       |
|--------------|---|----|---|-----|-------|
| 10810 7810 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{(\tan(y))^2}$             | CH | T | AB  | MINUS |
| 10811 7811 1 | $\sqrt{\ln(x+\sqrt{x^2-1}) \tan(y)}$                      | CH | T | W   | PLUS  |
| 10812 7812 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\tan(y)}}$              | CH | T | W   | MINUS |
| 10813 7813 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 (\tan(y))^2}$           | CH | T | ABI | PLUS  |
| 10814 7814 1 | $\frac{(\tan(y))^2}{(\ln(x+\sqrt{x^2-1}))^2}$             | CH | T | ABI | MINUS |
| 10815 7815 1 | $(\ln(x+\sqrt{x^2-1}))^3 (\tan(y))^3$                     | CH | T | K   | PLUS  |
| 10816 7816 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(\tan(y))^3}$             | CH | T | K   | MINUS |
| 10817 7817 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 (\tan(y))^3}$           | CH | T | KI  | PLUS  |
| 10818 7818 1 | $\frac{(\tan(y))^3}{(\ln(x+\sqrt{x^2-1}))^3}$             | CH | T | KI  | MINUS |
| 10819 7819 1 | $(x+\sqrt{x^2-1})^{\tan(y)}$                              | CH | T | LL  | PLUS  |
| 10820 7820 1 | $(x+\sqrt{x^2-1})^{(\tan(y))^{-1}}$                       | CH | T | LL  | MINUS |
| 10821 7821 1 | $LOG(\ln(x+\sqrt{x^2-1}) \tan(y))$                        | CH | T | L   | PLUS  |
| 10822 7822 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{\tan(y)}\right)$     | CH | T | L   | MINUS |
| 10823 7823 1 | $\arcsin(\ln(x+\sqrt{x^2-1}) \tan(y))$                    | CH | T | S   | PLUS  |
| 10824 7824 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{\tan(y)}\right)$ | CH | T | S   | MINUS |
| 10825 7825 1 | $\arctan(\ln(x+\sqrt{x^2-1}) \tan(y))$                    | CH | T | T   | PLUS  |
| 10826 7826 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{\tan(y)}\right)$ | CH | T | T   | MINUS |

|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 10827 7827 1 | $\sqrt{\frac{(\cos(y))^2 (\ln(x+\sqrt{x^2-1}))^2 + (\cos(y))^2 - (\ln(x+\sqrt{x^2-1}))^2}{(\cos(y))^2}}$                 | CH | T | P    | PLUS  |
| 10828 7828 1 | $\sqrt{\frac{(\tan(y))^2 - (\ln(x+\sqrt{x^2-1}))^2}{(\tan(y))^2}}$   | CH | T | P    | MINUS |
| 10829 7829 1 | $\sqrt{-\frac{(\cos(y))^2 (\ln(x+\sqrt{x^2-1}))^2 - (\cos(y))^2 - (\ln(x+\sqrt{x^2-1}))^2}{(\cos(y))^2}}$                | CH | T | H    | PLUS  |
| 10830 7830 1 | $\sqrt{\frac{(\tan(y))^2 + (\ln(x+\sqrt{x^2-1}))^2}{(\tan(y))^2}}$   | CH | T | H    | MINUS |
| 10831 7831 1 | $1/2 (x + \sqrt{x^2-1})^{\tan(y)} - 1/2 (x + \sqrt{x^2-1})^{-\tan(y)}$   | CH | T | SH   | PLUS  |
| 10832 7832 1 | $1/2 (x + \sqrt{x^2-1})^{(\tan(y))^{-1}} - 1/2 (x + \sqrt{x^2-1})^{-(\tan(y))^{-1}}$                                     | CH | T | SH   | MINUS |
| 10833 7833 1 | $1/2 (x + \sqrt{x^2-1})^{\tan(y)} + 1/2 (x + \sqrt{x^2-1})^{-\tan(y)}$   | CH | T | CH   | PLUS  |
| 10834 7834 1 | $1/2 (x + \sqrt{x^2-1})^{(\tan(y))^{-1}} + 1/2 (x + \sqrt{x^2-1})^{-(\tan(y))^{-1}}$                                     | CH | T | CH   | MINUS |
| 10835 7835 1 | $\frac{(x+\sqrt{x^2-1})^{2 \tan(y)} - 1}{(x+\sqrt{x^2-1})^{2 \tan(y)} + 1}$  | CH | T | TH   | PLUS  |
| 10836 7836 1 | $1 \left( (x + \sqrt{x^2-1})^{2(\tan(y))^{-1}} - 1 \right) \left( (x + \sqrt{x^2-1})^{2(\tan(y))^{-1}} + 1 \right)^{-1}$ | CH | T | TH   | MINUS |
| 10837 7837 1 | $\ln(x + \sqrt{x^2-1}) \sqrt{-y^2+1}$  | CH | P | CD   | PLUS  |
| 10838 7838 1 | $\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{-y^2+1}}$  | CH | P | CD   | MINUS |
| 10839 7839 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt{-y^2+1}}$   | CH | P | CDI  | PLUS  |
| 10840 7840 1 | $\frac{\sqrt{-y^2+1}}{\ln(x+\sqrt{x^2-1})}$  | CH | P | CDI  | MINUS |
| 10841 7841 1 | $\ln(x + \sqrt{x^2-1}) \sqrt{-y^2+1} \pi$  | CH | P | CDF  | PLUS  |
| 10842 7842 1 | $\frac{\ln(x+\sqrt{x^2-1})\pi}{\sqrt{-y^2+1}}$   | CH | P | CDF  | MINUS |
| 10843 7843 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt{-y^2+1}\pi}$  | CH | P | CDIF | PLUS  |

|              |   |    |   |      |       |
|--------------|---|----|---|------|-------|
| 10844 7844 1 | $\frac{\sqrt{-y^2+1}}{\ln(x+\sqrt{x^2-1})\pi}$                  | CH | P | CDIF | MINUS |
| 10845 7845 1 | $(\ln(x+\sqrt{x^2-1}))^2(-y^2+1)$                               | CH | P | AB   | PLUS  |
| 10846 7846 1 | $-\frac{(\ln(x+\sqrt{x^2-1}))^2}{y^2-1}$                        | CH | P | AB   | MINUS |
| 10847 7847 1 | $\sqrt{\ln(x+\sqrt{x^2-1})\sqrt{-y^2+1}}$                       | CH | P | W    | PLUS  |
| 10848 7848 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{-y^2+1}}}$              | CH | P | W    | MINUS |
| 10849 7849 1 | $-\frac{1}{(\ln(x+\sqrt{x^2-1}))^2(y^2-1)}$                     | CH | P | ABI  | PLUS  |
| 10850 7850 1 | $\frac{-y^2+1}{(\ln(x+\sqrt{x^2-1}))^2}$                        | CH | P | ABI  | MINUS |
| 10851 7851 1 | $(\ln(x+\sqrt{x^2-1}))^3(-y^2+1)^{3/2}$                         | CH | P | K    | PLUS  |
| 10852 7852 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(-y^2+1)^{3/2}}$                | CH | P | K    | MINUS |
| 10853 7853 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3(-y^2+1)^{3/2}}$               | CH | P | KI   | PLUS  |
| 10854 7854 1 | $\frac{(-y^2+1)^{3/2}}{(\ln(x+\sqrt{x^2-1}))^3}$                | CH | P | KI   | MINUS |
| 10855 7855 1 | $(x+\sqrt{x^2-1})\sqrt{-y^2+1}$                                 | CH | P | LL   | PLUS  |
| 10856 7856 1 | $(x+\sqrt{x^2-1})\frac{1}{\sqrt{-y^2+1}}$                       | CH | P | LL   | MINUS |
| 10857 7857 1 | $LOG\left(\ln(x+\sqrt{x^2-1})\sqrt{-y^2+1}\right)$              | CH | P | L    | PLUS  |
| 10858 7858 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{-y^2+1}}\right)$     | CH | P | L    | MINUS |
| 10859 7859 1 | $\arcsin\left(\ln(x+\sqrt{x^2-1})\sqrt{-y^2+1}\right)$          | CH | P | S    | PLUS  |
| 10860 7860 1 | $\arcsin\left(\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{-y^2+1}}\right)$ | CH | P | S    | MINUS |
| 10861 7861 1 | $\arctan\left(\ln(x+\sqrt{x^2-1})\sqrt{-y^2+1}\right)$          | CH | P | T    | PLUS  |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 10862 7862 1 | $\arctan\left(\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{-y^2+1}}\right)$  | CH | P | T   | MINUS |
| 10863 7863 1 | $\sqrt{(\ln(x+\sqrt{x^2-1}))^2 y^2 - (\ln(x+\sqrt{x^2-1}))^2}$   | CH | P | P   | PLUS  |
| 10864 7863 2 |  | CH | H | H   | PLUS  |
| 10865 7864 1 | $\sqrt{\frac{(\ln(x+\sqrt{x^2-1}))^2 + y^2 - 1}{y^2 - 1}}$   | CH | P | P   | MINUS |
| 10866 7864 2 |  | CH | H | H   | MINUS |
| 10867 7865 1 | $\sqrt{-(\ln(x+\sqrt{x^2-1}))^2 y^2 + (\ln(x+\sqrt{x^2-1}))^2}$  | CH | P | H   | PLUS  |
| 10868 7865 2 |  | CH | H | P   | PLUS  |
| 10869 7866 1 | $\sqrt{-\frac{(\ln(x+\sqrt{x^2-1}))^2 - y^2 + 1}{y^2 - 1}}$  | CH | P | H   | MINUS |
| 10870 7866 2 |  | CH | H | P   | MINUS |
| 10871 7867 1 | $1/2 (x + \sqrt{x^2 - 1})^{\sqrt{-y^2+1}} - 1/2 (x + \sqrt{x^2 - 1})^{\sqrt{-y^2+1}}$  | CH | P | SH  | PLUS  |
| 10872 7868 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt{-y^2+1}}} - 1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt{-y^2+1}}}$                                      | CH | P | SH  | MINUS |
| 10873 7869 1 | $1/2 (x + \sqrt{x^2 - 1})^{\sqrt{-y^2+1}} + 1/2 (x + \sqrt{x^2 - 1})^{\sqrt{-y^2+1}}$  | CH | P | CH  | PLUS  |
| 10874 7870 1 | $1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt{-y^2+1}}} + 1/2 (x + \sqrt{x^2 - 1})^{\frac{1}{\sqrt{-y^2+1}}}$                                      | CH | P | CH  | MINUS |
| 10875 7871 1 | $\frac{(x+\sqrt{x^2-1})^{2\sqrt{-y^2+1}} - 1}{(x+\sqrt{x^2-1})^{2\sqrt{-y^2+1}} + 1}$  | CH | P | TH  | PLUS  |
| 10876 7872 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2\frac{1}{\sqrt{-y^2+1}}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2\frac{1}{\sqrt{-y^2+1}}} + 1 \right)^{-1}$ | CH | P | TH  | MINUS |
| 10877 7873 1 | $\ln(x + \sqrt{x^2 - 1}) \sqrt{y^2 - 1}$   | CH | H | CD  | PLUS  |
| 10878 7874 1 | $\frac{\ln(x+\sqrt{x^2-1})}{\sqrt{y^2-1}}$   | CH | H | CD  | MINUS |
| 10879 7875 1 | $\frac{1}{\ln(x+\sqrt{x^2-1})\sqrt{y^2-1}}$  | CH | H | CDI | PLUS  |
| 10880 7876 1 | $\frac{\sqrt{y^2-1}}{\ln(x+\sqrt{x^2-1})}$   | CH | H | CDI | MINUS |

|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 10881 7877 1 | $\ln(x + \sqrt{x^2 - 1}) \sqrt{y^2 - 1} \pi$                     | CH | H | CDF  | PLUS  |
| 10882 7878 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{\sqrt{y^2 - 1}}$             | CH | H | CDF  | MINUS |
| 10883 7879 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \sqrt{y^2 - 1} \pi}$           | CH | H | CDIF | PLUS  |
| 10884 7880 1 | $\frac{\sqrt{y^2 - 1}}{\ln(x + \sqrt{x^2 - 1}) \pi}$             | CH | H | CDIF | MINUS |
| 10885 7881 1 | $(\ln(x + \sqrt{x^2 - 1}))^2 (y^2 - 1)$                          | CH | H | AB   | PLUS  |
| 10886 7882 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^2}{y^2 - 1}$                    | CH | H | AB   | MINUS |
| 10887 7883 1 | $\sqrt{\ln(x + \sqrt{x^2 - 1}) \sqrt{y^2 - 1}}$                  | CH | H | W    | PLUS  |
| 10888 7884 1 | $\sqrt{\frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y^2 - 1}}}$          | CH | H | W    | MINUS |
| 10889 7885 1 | $\frac{1}{(\ln(x + \sqrt{x^2 - 1}))^2 (y^2 - 1)}$                | CH | H | ABI  | PLUS  |
| 10890 7886 1 | $\frac{y^2 - 1}{(\ln(x + \sqrt{x^2 - 1}))^2}$                    | CH | H | ABI  | MINUS |
| 10891 7887 1 | $(\ln(x + \sqrt{x^2 - 1}))^3 (y^2 - 1)^{3/2}$                    | CH | H | K    | PLUS  |
| 10892 7888 1 | $\frac{(\ln(x + \sqrt{x^2 - 1}))^3}{(y^2 - 1)^{3/2}}$            | CH | H | K    | MINUS |
| 10893 7889 1 | $\frac{1}{(\ln(x + \sqrt{x^2 - 1}))^3 (y^2 - 1)^{3/2}}$          | CH | H | KI   | PLUS  |
| 10894 7890 1 | $\frac{(y^2 - 1)^{3/2}}{(\ln(x + \sqrt{x^2 - 1}))^3}$            | CH | H | KI   | MINUS |
| 10895 7891 1 | $(x + \sqrt{x^2 - 1}) \sqrt{y^2 - 1}$                            | CH | H | LL   | PLUS  |
| 10896 7892 1 | $(x + \sqrt{x^2 - 1}) \frac{1}{\sqrt{y^2 - 1}}$                  | CH | H | LL   | MINUS |
| 10897 7893 1 | $LOG(\ln(x + \sqrt{x^2 - 1}) \sqrt{y^2 - 1})$                    | CH | H | L    | PLUS  |
| 10898 7894 1 | $LOG\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y^2 - 1}}\right)$ | CH | H | L    | MINUS |

|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 10899 7895 1 | $\arcsin \left( \ln \left( x + \sqrt{x^2 - 1} \right) \sqrt{y^2 - 1} \right)$  | CH | H  | S   | PLUS  |
| 10900 7896 1 | $\arcsin \left( \frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y^2 - 1}} \right)$  | CH | H  | S   | MINUS |
| 10901 7897 1 | $\arctan \left( \ln \left( x + \sqrt{x^2 - 1} \right) \sqrt{y^2 - 1} \right)$  | CH | H  | T   | PLUS  |
| 10902 7898 1 | $\arctan \left( \frac{\ln(x + \sqrt{x^2 - 1})}{\sqrt{y^2 - 1}} \right)$  | CH | H  | T   | MINUS |
| 10903 7899 1 | $1/2 \left( x + \sqrt{x^2 - 1} \right)^{\sqrt{y^2 - 1}} - 1/2 \left( x + \sqrt{x^2 - 1} \right)^{-\sqrt{y^2 - 1}}$   | CH | H  | SH  | PLUS  |
| 10904 7900 1 | $1/2 \left( x + \sqrt{x^2 - 1} \right)^{\frac{1}{\sqrt{y^2 - 1}}} - 1/2 \left( x + \sqrt{x^2 - 1} \right)^{-\frac{1}{\sqrt{y^2 - 1}}}$                                   | CH | H  | SH  | MINUS |
| 10905 7901 1 | $1/2 \left( x + \sqrt{x^2 - 1} \right)^{\sqrt{y^2 - 1}} + 1/2 \left( x + \sqrt{x^2 - 1} \right)^{-\sqrt{y^2 - 1}}$   | CH | H  | CH  | PLUS  |
| 10906 7902 1 | $1/2 \left( x + \sqrt{x^2 - 1} \right)^{\frac{1}{\sqrt{y^2 - 1}}} + 1/2 \left( x + \sqrt{x^2 - 1} \right)^{-\frac{1}{\sqrt{y^2 - 1}}}$                                   | CH | H  | CH  | MINUS |
| 10907 7903 1 | $\frac{(x + \sqrt{x^2 - 1})^2 \sqrt{y^2 - 1} - 1}{(x + \sqrt{x^2 - 1})^2 \sqrt{y^2 - 1} + 1}$  | CH | H  | TH  | PLUS  |
| 10908 7904 1 | $1 \left( \left( x + \sqrt{x^2 - 1} \right)^2 \frac{1}{\sqrt{y^2 - 1}} - 1 \right) \left( \left( x + \sqrt{x^2 - 1} \right)^2 \frac{1}{\sqrt{y^2 - 1}} + 1 \right)^{-1}$ | CH | H  | TH  | MINUS |
| 10909 7905 1 | $\ln \left( x + \sqrt{x^2 - 1} \right) \ln \left( y + \sqrt{y^2 + 1} \right)$  | CH | SH | CD  | PLUS  |
| 10910 7906 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 + 1})}$  | CH | SH | CD  | MINUS |
| 10911 7907 1 | $\frac{1}{\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 + 1})}$  | CH | SH | CDI | PLUS  |
| 10912 7908 1 | $\frac{\ln(y + \sqrt{y^2 + 1})}{\ln(x + \sqrt{x^2 - 1})}$  | CH | SH | CDI | MINUS |
| 10913 7909 1 | $\ln \left( x + \sqrt{x^2 - 1} \right) \ln \left( y + \sqrt{y^2 + 1} \right) \pi$  | CH | SH | CDF | PLUS  |
| 10914 7910 1 | $\frac{\ln(x + \sqrt{x^2 - 1}) \pi}{\ln(y + \sqrt{y^2 + 1})}$  | CH | SH | CDF | MINUS |



|              |   |    |    |            |
|--------------|---|----|----|------------|
| 10915 7911 1 | $\frac{1}{\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2+1}) \pi}$           | CH | SH | CDIF PLUS  |
| 10916 7912 1 | $\frac{\ln(y+\sqrt{y^2+1})}{\ln(x+\sqrt{x^2-1}) \pi}$             | CH | SH | CDIF MINUS |
| 10917 7913 1 | $(\ln(x+\sqrt{x^2-1}))^2 (\ln(y+\sqrt{y^2+1}))^2$                 | CH | SH | AB PLUS    |
| 10918 7914 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{(\ln(y+\sqrt{y^2+1}))^2}$         | CH | SH | AB MINUS   |
| 10919 7915 1 | $\sqrt{\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2+1})}$                  | CH | SH | W PLUS     |
| 10920 7916 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\ln(y+\sqrt{y^2+1})}}$          | CH | SH | W MINUS    |
| 10921 7917 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 (\ln(y+\sqrt{y^2+1}))^2}$       | CH | SH | ABI PLUS   |
| 10922 7918 1 | $\frac{(\ln(y+\sqrt{y^2+1}))^2}{(\ln(x+\sqrt{x^2-1}))^2}$         | CH | SH | ABI MINUS  |
| 10923 7919 1 | $(\ln(x+\sqrt{x^2-1}))^3 (\ln(y+\sqrt{y^2+1}))^3$                 | CH | SH | K PLUS     |
| 10924 7920 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(\ln(y+\sqrt{y^2+1}))^3}$         | CH | SH | K MINUS    |
| 10925 7921 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 (\ln(y+\sqrt{y^2+1}))^3}$       | CH | SH | KI PLUS    |
| 10926 7922 1 | $\frac{(\ln(y+\sqrt{y^2+1}))^3}{(\ln(x+\sqrt{x^2-1}))^3}$         | CH | SH | KI MINUS   |
| 10927 7923 1 | $(x+\sqrt{x^2-1})^{\ln(y+\sqrt{y^2+1})}$                          | CH | SH | LL PLUS    |
| 10928 7924 1 | $(x+\sqrt{x^2-1})^{(\ln(y+\sqrt{y^2+1}))^{-1}}$                   | CH | SH | LL MINUS   |
| 10929 7925 1 | $LOG(\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2+1}))$                    | CH | SH | L PLUS     |
| 10930 7926 1 | $LOG\left(\frac{\ln(x+\sqrt{x^2-1})}{\ln(y+\sqrt{y^2+1})}\right)$ | CH | SH | L MINUS    |

|              |  |    |    |    |       |
|--------------|--|----|----|----|-------|
| 10931 7927 1 | $\arcsin\left(\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 + 1})\right)$  | CH | SH | S  | PLUS  |
| 10932 7928 1 | $\arcsin\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 + 1})}\right)$  | CH | SH | S  | MINUS |
| 10933 7929 1 | $\arctan\left(\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 + 1})\right)$  | CH | SH | T  | PLUS  |
| 10934 7930 1 | $\arctan\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 + 1})}\right)$  | CH | SH | T  | MINUS |
| 10935 7931 1 | $\sqrt{-(\ln(x + \sqrt{x^2 - 1}))^2 (\ln(y + \sqrt{y^2 + 1}))^2}$  | CH | SH | P  | PLUS  |
| 10936 7932 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 + 1}))^2 - (\ln(x + \sqrt{x^2 - 1}))^2}{(\ln(y + \sqrt{y^2 + 1}))^2}}$   | CH | SH | P  | MINUS |
| 10937 7933 1 | $\sqrt{(\ln(x + \sqrt{x^2 - 1}))^2 (\ln(y + \sqrt{y^2 + 1}))^2 + 1}$   | CH | SH | H  | PLUS  |
| 10938 7934 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 + 1}))^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{(\ln(y + \sqrt{y^2 + 1}))^2}}$   | CH | SH | H  | MINUS |
| 10939 7935 1 | $1/2 (x + \sqrt{x^2 - 1})^{\ln(y + \sqrt{y^2 + 1})} - 1/2 (x + \sqrt{x^2 - 1})^{-\ln(y + \sqrt{y^2 + 1})}$   | CH | SH | SH | PLUS  |
| 10940 7936 1 | $1/2 (x + \sqrt{x^2 - 1})^{(\ln(y + \sqrt{y^2 + 1}))^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-(\ln(y + \sqrt{y^2 + 1}))^{-1}}$                                       | CH | SH | SH | MINUS |
| 10941 7937 1 | $1/2 (x + \sqrt{x^2 - 1})^{\ln(y + \sqrt{y^2 + 1})} + 1/2 (x + \sqrt{x^2 - 1})^{-\ln(y + \sqrt{y^2 + 1})}$   | CH | SH | CH | PLUS  |
| 10942 7938 1 | $1/2 (x + \sqrt{x^2 - 1})^{(\ln(y + \sqrt{y^2 + 1}))^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-(\ln(y + \sqrt{y^2 + 1}))^{-1}}$                                       | CH | SH | CH | MINUS |
| 10943 7939 1 | $\frac{(x + \sqrt{x^2 - 1})^{2 \ln(y + \sqrt{y^2 + 1})} - 1}{(x + \sqrt{x^2 - 1})^{2 \ln(y + \sqrt{y^2 + 1})} + 1}$  | CH | SH | TH | PLUS  |
| 10944 7940 1 | $1 \left( (x + \sqrt{x^2 - 1})^{2 (\ln(y + \sqrt{y^2 + 1}))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{2 (\ln(y + \sqrt{y^2 + 1}))^{-1}} + 1 \right)^{-1}$ | CH | SH | TH | MINUS |
| 10945 7941 1 | $\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 - 1})$  | CH | CH | CD | PLUS  |
| 10946 7942 1 | $\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 - 1})}$  | CH | CH | CD | MINUS |

|              |   |    |    |      |       |
|--------------|---|----|----|------|-------|
| 10947 7943 1 | $\frac{1}{\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2-1})}$         | CH | CH | CDI  | PLUS  |
| 10948 7944 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\ln(x+\sqrt{x^2-1})}$           | CH | CH | CDI  | MINUS |
| 10949 7945 1 | $\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2-1}) \pi$               | CH | CH | CDF  | PLUS  |
| 10950 7946 1 | $\frac{\ln(x+\sqrt{x^2-1}) \pi}{\ln(y+\sqrt{y^2-1})}$       | CH | CH | CDF  | MINUS |
| 10951 7947 1 | $\frac{1}{\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2-1}) \pi}$     | CH | CH | CDIF | PLUS  |
| 10952 7948 1 | $\frac{\ln(y+\sqrt{y^2-1})}{\ln(x+\sqrt{x^2-1}) \pi}$       | CH | CH | CDIF | MINUS |
| 10953 7949 1 | $(\ln(x+\sqrt{x^2-1}))^2 (\ln(y+\sqrt{y^2-1}))^2$           | CH | CH | AB   | PLUS  |
| 10954 7950 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^2}{(\ln(y+\sqrt{y^2-1}))^2}$   | CH | CH | AB   | MINUS |
| 10955 7951 1 | $\sqrt{\ln(x+\sqrt{x^2-1}) \ln(y+\sqrt{y^2-1})}$            | CH | CH | W    | PLUS  |
| 10956 7952 1 | $\sqrt{\frac{\ln(x+\sqrt{x^2-1})}{\ln(y+\sqrt{y^2-1})}}$    | CH | CH | W    | MINUS |
| 10957 7953 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^2 (\ln(y+\sqrt{y^2-1}))^2}$ | CH | CH | ABI  | PLUS  |
| 10958 7954 1 | $\frac{(\ln(y+\sqrt{y^2-1}))^2}{(\ln(x+\sqrt{x^2-1}))^2}$   | CH | CH | ABI  | MINUS |
| 10959 7955 1 | $(\ln(x+\sqrt{x^2-1}))^3 (\ln(y+\sqrt{y^2-1}))^3$           | CH | CH | K    | PLUS  |
| 10960 7956 1 | $\frac{(\ln(x+\sqrt{x^2-1}))^3}{(\ln(y+\sqrt{y^2-1}))^3}$   | CH | CH | K    | MINUS |
| 10961 7957 1 | $\frac{1}{(\ln(x+\sqrt{x^2-1}))^3 (\ln(y+\sqrt{y^2-1}))^3}$ | CH | CH | KI   | PLUS  |
| 10962 7958 1 | $\frac{(\ln(y+\sqrt{y^2-1}))^3}{(\ln(x+\sqrt{x^2-1}))^3}$   | CH | CH | KI   | MINUS |

|              |  |    |    |    |       |
|--------------|--|----|----|----|-------|
| 10963 7959 1 | $(x + \sqrt{x^2 - 1})^{\ln(y + \sqrt{y^2 - 1})}$   | CH | CH | LL | PLUS  |
| 10964 7960 1 | $(x + \sqrt{x^2 - 1})^{\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}}$   | CH | CH | LL | MINUS |
| 10965 7961 1 | $LOG\left(\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 - 1})\right)$  | CH | CH | L  | PLUS  |
| 10966 7962 1 | $LOG\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 - 1})}\right)$  | CH | CH | L  | MINUS |
| 10967 7963 1 | $\arcsin\left(\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 - 1})\right)$  | CH | CH | S  | PLUS  |
| 10968 7964 1 | $\arcsin\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 - 1})}\right)$  | CH | CH | S  | MINUS |
| 10969 7965 1 | $\arctan\left(\ln(x + \sqrt{x^2 - 1}) \ln(y + \sqrt{y^2 - 1})\right)$  | CH | CH | T  | PLUS  |
| 10970 7966 1 | $\arctan\left(\frac{\ln(x + \sqrt{x^2 - 1})}{\ln(y + \sqrt{y^2 - 1})}\right)$  | CH | CH | T  | MINUS |
| 10971 7967 1 | $\sqrt{-(\ln(x + \sqrt{x^2 - 1}))^2 (\ln(y + \sqrt{y^2 - 1}))^2}$  | CH | CH | P  | PLUS  |
| 10972 7968 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 - (\ln(x + \sqrt{x^2 - 1}))^2}{(\ln(y + \sqrt{y^2 - 1}))^2}}$   | CH | CH | P  | MINUS |
| 10973 7969 1 | $\sqrt{(\ln(x + \sqrt{x^2 - 1}))^2 (\ln(y + \sqrt{y^2 - 1}))^2 + 1}$   | CH | CH | H  | PLUS  |
| 10974 7970 1 | $\sqrt{\frac{(\ln(y + \sqrt{y^2 - 1}))^2 + (\ln(x + \sqrt{x^2 - 1}))^2}{(\ln(y + \sqrt{y^2 - 1}))^2}}$   | CH | CH | H  | MINUS |
| 10975 7971 1 | $1/2 (x + \sqrt{x^2 - 1})^{\ln(y + \sqrt{y^2 - 1})} - 1/2 (x + \sqrt{x^2 - 1})^{-\ln(y + \sqrt{y^2 - 1})}$                                     | CH | CH | SH | PLUS  |
| 10976 7972 1 | $1/2 (x + \sqrt{x^2 - 1})^{\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}}$ | CH | CH | SH | MINUS |
| 10977 7973 1 | $1/2 (x + \sqrt{x^2 - 1})^{\ln(y + \sqrt{y^2 - 1})} + 1/2 (x + \sqrt{x^2 - 1})^{-\ln(y + \sqrt{y^2 - 1})}$                                     | CH | CH | CH | PLUS  |
| 10978 7974 1 | $1/2 (x + \sqrt{x^2 - 1})^{\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-\left(\ln(y + \sqrt{y^2 - 1})\right)^{-1}}$ | CH | CH | CH | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 10979 7975 1 | $\frac{(x+\sqrt{x^2-1})^2 \ln(y+\sqrt{y^2-1})_{-1}}{(x+\sqrt{x^2-1})^2 \ln(y+\sqrt{y^2-1})_{+1}}$  | CH | CH | TH   | PLUS  |
| 10980 7976 1 | $1 \left( (x+\sqrt{x^2-1})^2 (\ln(y+\sqrt{y^2-1}))^{-1} - 1 \right) \left( (x+\sqrt{x^2-1})^2 (\ln(y+\sqrt{y^2-1}))^{-1} + 1 \right)^{-1}$ | CH | CH | TH   | MINUS |
| 10981 7977 1 | $1/2 \ln(x+\sqrt{x^2-1}) \ln\left(\frac{-y-1}{y-1}\right)$   | CH | TH | CD   | PLUS  |
| 10982 7978 1 | $2 \ln(x+\sqrt{x^2-1}) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | CH | TH | CD   | MINUS |
| 10983 7979 1 | $2 \frac{1}{\ln(x+\sqrt{x^2-1})} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | CH | TH | CDI  | PLUS  |
| 10984 7980 1 | $1/2 \frac{1}{\ln(x+\sqrt{x^2-1})} \ln\left(\frac{-y-1}{y-1}\right)$   | CH | TH | CDI  | MINUS |
| 10985 7981 1 | $1/2 \ln(x+\sqrt{x^2-1}) \ln\left(\frac{-y-1}{y-1}\right) \pi$   | CH | TH | CDF  | PLUS  |
| 10986 7982 1 | $2 \ln(x+\sqrt{x^2-1}) \pi \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$   | CH | TH | CDF  | MINUS |
| 10987 7983 1 | $2 \frac{1}{\ln(x+\sqrt{x^2-1})\pi} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}$  | CH | TH | CDIF | PLUS  |
| 10988 7984 1 | $1/2 \frac{1}{\ln(x+\sqrt{x^2-1})\pi} \ln\left(\frac{-y-1}{y-1}\right)$  | CH | TH | CDIF | MINUS |
| 10989 7985 1 | $1/4 (\ln(x+\sqrt{x^2-1}))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | CH | TH | AB   | PLUS  |
| 10990 7986 1 | $4 (\ln(x+\sqrt{x^2-1}))^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$   | CH | TH | AB   | MINUS |
| 10991 7987 1 | $1/2 \sqrt{2} \sqrt{\ln(x+\sqrt{x^2-1}) \ln\left(\frac{-y-1}{y-1}\right)}$   | CH | TH | W    | PLUS  |
| 10992 7988 1 | $\sqrt{2} \sqrt{\ln(x+\sqrt{x^2-1}) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$   | CH | TH | W    | MINUS |
| 10993 7989 1 | $4 \frac{1}{(\ln(x+\sqrt{x^2-1}))^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$   | CH | TH | ABI  | PLUS  |
| 10994 7990 1 | $1/4 \frac{1}{(\ln(x+\sqrt{x^2-1}))^2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2$  | CH | TH | ABI  | MINUS |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 10995 7991 1 | $1/8 \left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$   | CH | TH | K  | PLUS  |
| 10996 7992 1 | $8 \left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^3 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$  | CH | TH | K  | MINUS |
| 10997 7993 1 | $8 \frac{1}{\left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-3}$  | CH | TH | KI | PLUS  |
| 10998 7994 1 | $1/8 \frac{1}{\left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^3} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^3$   | CH | TH | KI | MINUS |
| 10999 7995 1 | $\left( x + \sqrt{x^2 - 1} \right)^{1/2} \ln \left( \frac{-y-1}{y-1} \right)$   | CH | TH | LL | PLUS  |
| 11000 7996 1 | $\left( x + \sqrt{x^2 - 1} \right)^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | CH | TH | LL | MINUS |
| 11001 7997 1 | $LOG \left( 1/2 \ln \left( x + \sqrt{x^2 - 1} \right) \ln \left( \frac{-y-1}{y-1} \right) \right)$  | CH | TH | L  | PLUS  |
| 11002 7998 1 | $LOG \left( 2 \ln \left( x + \sqrt{x^2 - 1} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CH | TH | L  | MINUS |
| 11003 7999 1 | $\arcsin \left( 1/2 \ln \left( x + \sqrt{x^2 - 1} \right) \ln \left( \frac{-y-1}{y-1} \right) \right)$  | CH | TH | S  | PLUS  |
| 11004 8000 1 | $\arcsin \left( 2 \ln \left( x + \sqrt{x^2 - 1} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CH | TH | S  | MINUS |
| 11005 8001 1 | $\arctan \left( 1/2 \ln \left( x + \sqrt{x^2 - 1} \right) \ln \left( \frac{-y-1}{y-1} \right) \right)$  | CH | TH | T  | PLUS  |
| 11006 8002 1 | $\arctan \left( 2 \ln \left( x + \sqrt{x^2 - 1} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1} \right)$  | CH | TH | T  | MINUS |
| 11007 8003 1 | $1/2 \sqrt{-\left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$   | CH | TH | P  | PLUS  |
| 11008 8004 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 - 4 \left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$ | CH | TH | P  | MINUS |
| 11009 8005 1 | $1/2 \sqrt{\left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4}$  | CH | TH | H  | PLUS  |
| 11010 8006 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 4 \left( \ln \left( x + \sqrt{x^2 - 1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$ | CH | TH | H  | MINUS |

|              |   |    |      |      |       |
|--------------|---|----|------|------|-------|
| 11011 8007 1 | $1/2 (x + \sqrt{x^2 - 1})^{1/2 \ln(\frac{-y-1}{y-1})} - 1/2 (x + \sqrt{x^2 - 1})^{-1/2 \ln(\frac{-y-1}{y-1})}$  | TH | CD   | CD   | PLUS  |
| 11012 8008 1 | $1/2 (x + \sqrt{x^2 - 1})^{2(\ln(\frac{-y-1}{y-1}))^{-1}} - 1/2 (x + \sqrt{x^2 - 1})^{-2(\ln(\frac{-y-1}{y-1}))^{-1}}$  | TH | CD   | CD   | MINUS |
| 11013 8009 1 | $1/2 (x + \sqrt{x^2 - 1})^{1/2 \ln(\frac{-y-1}{y-1})} + 1/2 (x + \sqrt{x^2 - 1})^{-1/2 \ln(\frac{-y-1}{y-1})}$  | TH | CD   | CD   | PLUS  |
| 11014 8010 1 | $1/2 (x + \sqrt{x^2 - 1})^{2(\ln(\frac{-y-1}{y-1}))^{-1}} + 1/2 (x + \sqrt{x^2 - 1})^{-2(\ln(\frac{-y-1}{y-1}))^{-1}}$  | TH | CD   | CD   | MINUS |
| 11015 8011 1 | $1 \left( (x + \sqrt{x^2 - 1})^{1/2 \ln(\frac{-y-1}{y-1})} - (x + \sqrt{x^2 - 1})^{-1/2 \ln(\frac{-y-1}{y-1})} \right) \ln(x + \sqrt{x^2 - 1})^{1/2 \ln(\frac{-y-1}{y-1})} + (x + \sqrt{x^2 - 1})^{-1/2 \ln(\frac{-y-1}{y-1})}$ | TH | CD   | CD   | PLUS  |
| 11016 8012 1 | $1 \left( (x + \sqrt{x^2 - 1})^{4(\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right) \left( (x + \sqrt{x^2 - 1})^{4(\ln(\frac{-y-1}{y-1}))^{-1}} - 1 \right)^{-1}$  | TH | CD   | CD   | MINUS |
| 11017 8013 1 | $1/2 \ln\left(\frac{-x-1}{x-1}\right) y$  | TH | CD   | CD   | PLUS  |
| 11018 8013 2 |   | TH | CDI  | CD   | MINUS |
| 11019 8013 3 |   | TH | CDF  | CDF  | PLUS  |
| 11020 8014 1 | $1/2 \frac{1}{y} \ln\left(\frac{-x-1}{x-1}\right)$  | TH | CD   | CD   | MINUS |
| 11021 8014 2 |   | TH | CDI  | CD   | PLUS  |
| 11022 8014 3 |   | TH | CDIF | CDF  | PLUS  |
| 11023 8015 1 | $2 \frac{1}{y} \left( \ln\left(\frac{-x-1}{x-1}\right) \right)^{-1}$  | TH | CD   | CDI  | PLUS  |
| 11024 8015 2 |   | TH | CDI  | CDI  | MINUS |
| 11025 8015 3 |   | TH | CDF  | CDIF | PLUS  |
| 11026 8016 1 | $2 y \left( \ln\left(\frac{-x-1}{x-1}\right) \right)^{-1}$  | TH | CD   | CDI  | MINUS |
| 11027 8016 2 |   | TH | CDI  | CDI  | PLUS  |
| 11028 8016 3 |   | TH | CDIF | CDIF | PLUS  |
| 11029 8017 1 | $1/2 \ln\left(\frac{-x-1}{x-1}\right) y\pi$   | TH | CD   | CDF  | PLUS  |
| 11030 8017 2 |   | TH | CDI  | CDF  | MINUS |
| 11031 8017 3 |   | TH | CDIF | CD   | MINUS |
| 11032 8018 1 | $1/2 \frac{\pi}{y} \ln\left(\frac{-x-1}{x-1}\right)$  | TH | CD   | CDF  | MINUS |
| 11033 8018 2 |   | TH | CDI  | CDF  | PLUS  |
| 11034 8018 3 |   | TH | CDF  | CD   | MINUS |

|              |  |    |      |            |
|--------------|--|----|------|------------|
| 11035 8019 1 | $2 \frac{1}{y\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$ | TH | CD   | CDIF PLUS  |
| 11036 8019 2 |  | TH | CDI  | CDIF MINUS |
| 11037 8019 3 |  | TH | CDIF | CDI MINUS  |
| 11038 8020 1 | $2 \frac{y}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | CD   | CDIF MINUS |
| 11039 8020 2 |  | TH | CDI  | CDIF PLUS  |
| 11040 8020 3 |  | TH | CDF  | CDI MINUS  |
| 11041 8021 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^2$             | TH | CD   | AB PLUS    |
| 11042 8021 2 |  | TH | CDI  | AB MINUS   |
| 11043 8022 1 | $1/4 \frac{1}{y^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$   | TH | CD   | AB MINUS   |
| 11044 8022 2 |  | TH | CDI  | AB PLUS    |
| 11045 8023 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right)} y$                | TH | CD   | W PLUS     |
| 11046 8023 2 |  | TH | CDI  | W MINUS    |
| 11047 8024 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{y} \ln \left( \frac{-x-1}{x-1} \right)}$      | TH | CD   | W MINUS    |
| 11048 8024 2 |  | TH | CDI  | W PLUS     |
| 11049 8025 1 | $4 \frac{1}{y^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$  | TH | CD   | ABI PLUS   |
| 11050 8025 2 |  | TH | CDI  | ABI MINUS  |
| 11051 8026 1 | $4 y^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$            | TH | CD   | ABI MINUS  |
| 11052 8026 2 |  | TH | CDI  | ABI PLUS   |
| 11053 8027 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 y^3$             | TH | CD   | K PLUS     |
| 11054 8027 2 |  | TH | CDI  | K MINUS    |
| 11055 8028 1 | $1/8 \frac{1}{y^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$   | TH | CD   | K MINUS    |
| 11056 8028 2 |  | TH | CDI  | K PLUS     |
| 11057 8029 1 | $8 \frac{1}{y^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$  | TH | CD   | KI PLUS    |
| 11058 8029 2 |  | TH | CDI  | KI MINUS   |
| 11059 8030 1 | $8 y^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$            | TH | CD   | KI MINUS   |
| 11060 8030 2 |  | TH | CDI  | KI PLUS    |



|              |   |    |     |    |       |
|--------------|---|----|-----|----|-------|
| 11061 8031 1 | $\left(-\frac{x+1}{x-1}\right)^{y/2}$   | TH | CD  | LL | PLUS  |
| 11062 8031 2 |   | TH | CDI | LL | MINUS |
| 11063 8032 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2 y^{-1}}$  | TH | CD  | LL | MINUS |
| 11064 8032 2 |   | TH | CDI | LL | PLUS  |
| 11065 8033 1 | $LOG\left(1/2 \ln\left(\frac{-x-1}{x-1}\right)y\right)$   | TH | CD  | L  | PLUS  |
| 11066 8033 2 |   | TH | CDI | L  | MINUS |
| 11067 8034 1 | $LOG\left(1/2 \frac{1}{y} \ln\left(\frac{-x-1}{x-1}\right)\right)$                              | TH | CD  | L  | MINUS |
| 11068 8034 2 |   | TH | CDI | L  | PLUS  |
| 11069 8035 1 | $\arcsin\left(1/2 \ln\left(\frac{-x-1}{x-1}\right)y\right)$                                     | TH | CD  | S  | PLUS  |
| 11070 8035 2 |   | TH | CDI | S  | MINUS |
| 11071 8036 1 | $\arcsin\left(1/2 \frac{1}{y} \ln\left(\frac{-x-1}{x-1}\right)\right)$                          | TH | CD  | S  | MINUS |
| 11072 8036 2 |   | TH | CDI | S  | PLUS  |
| 11073 8037 1 | $\arctan\left(1/2 \ln\left(\frac{-x-1}{x-1}\right)y\right)$                                     | TH | CD  | T  | PLUS  |
| 11074 8037 2 |   | TH | CDI | T  | MINUS |
| 11075 8038 1 | $\arctan\left(1/2 \frac{1}{y} \ln\left(\frac{-x-1}{x-1}\right)\right)$                          | TH | CD  | T  | MINUS |
| 11076 8038 2 |   | TH | CDI | T  | PLUS  |
| 11077 8039 1 | $1/2 \sqrt{-\left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 y^2 + 4}$                           | TH | CD  | P  | PLUS  |
| 11078 8039 2 |   | TH | CDI | P  | MINUS |
| 11079 8040 1 | $1/2 \sqrt{\frac{1}{y^2} \left(4 y^2 - \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2\right)}$ | TH | CD  | P  | MINUS |
| 11080 8040 2 |   | TH | CDI | P  | PLUS  |
| 11081 8041 1 | $1/2 \sqrt{\left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 y^2 + 4}$                            | TH | CD  | H  | PLUS  |
| 11082 8041 2 |   | TH | CDI | H  | MINUS |
| 11083 8042 1 | $1/2 \sqrt{\frac{1}{y^2} \left(\left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 + 4 y^2\right)}$ | TH | CD  | H  | MINUS |
| 11084 8042 2 |   | TH | CDI | H  | PLUS  |

|              |  |    |     |      |       |
|--------------|--|----|-----|------|-------|
| 11085 8043 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{y/2} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-y/2}$   | TH | CD  | SH   | PLUS  |
| 11086 8043 2 |  | TH | CDI | SH   | MINUS |
| 11087 8044 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 y^{-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 y^{-1}}$   | TH | CD  | SH   | MINUS |
| 11088 8044 2 |  | TH | CDI | SH   | PLUS  |
| 11089 8045 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{y/2} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-y/2}$   | TH | CD  | CH   | PLUS  |
| 11090 8045 2 |  | TH | CDI | CH   | MINUS |
| 11091 8046 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 y^{-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 y^{-1}}$   | TH | CD  | CH   | MINUS |
| 11092 8046 2 |  | TH | CDI | CH   | PLUS  |
| 11093 8047 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{y/2} - \left( \frac{-x-1}{x-1} \right)^{-y/2} \right) \left( \left( \frac{-x-1}{x-1} \right)^{y/2} + \left( \frac{-x-1}{x-1} \right)^{-y/2} \right)^{-1}$                             | TH | CD  | TH   | PLUS  |
| 11094 8047 2 |  | TH | CDI | TH   | MINUS |
| 11095 8048 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 y^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 y^{-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 y^{-1}} + \left( \frac{-x-1}{x-1} \right)^{-1/2 y^{-1}} \right)^{-1}$ | TH | CD  | TH   | MINUS |
| 11096 8048 2 |  | TH | CDI | TH   | PLUS  |
| 11097 8049 1 | $1/2 \frac{y}{\pi} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | CDF | CD   | PLUS  |
| 11098 8050 1 | $2 \frac{\pi}{y} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | CDF | CDI  | PLUS  |
| 11099 8051 1 | $1/2 \frac{\pi^2}{y} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | CDF | CDF  | MINUS |
| 11100 8052 1 | $2 \frac{y}{\pi^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | CDF | CDIF | MINUS |
| 11101 8053 1 | $1/4 \frac{y^2}{\pi^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$   | TH | CDF | AB   | PLUS  |
| 11102 8054 1 | $1/4 \frac{\pi^2}{y^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$   | TH | CDF | AB   | MINUS |
| 11103 8055 1 | $1/2 \sqrt{2} \sqrt{\frac{y}{\pi} \ln \left( \frac{-x-1}{x-1} \right)}$  | TH | CDF | W    | PLUS  |
| 11104 8056 1 | $1/2 \sqrt{2} \sqrt{\frac{\pi}{y} \ln \left( \frac{-x-1}{x-1} \right)}$  | TH | CDF | W    | MINUS |

|              |   |    |     |     |       |
|--------------|---|----|-----|-----|-------|
| 11105 8057 1 | $4 \frac{\pi^2}{y^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$                                   | TH | CDF | ABI | PLUS  |
| 11106 8058 1 | $4 \frac{y^2}{\pi^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$                                   | TH | CDF | ABI | MINUS |
| 11107 8059 1 | $1/8 \frac{y^3}{\pi^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$                                    | TH | CDF | K   | PLUS  |
| 11108 8060 1 | $1/8 \frac{\pi^3}{y^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$                                    | TH | CDF | K   | MINUS |
| 11109 8061 1 | $8 \frac{\pi^3}{y^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$                                   | TH | CDF | KI  | PLUS  |
| 11110 8062 1 | $8 \frac{y^3}{\pi^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$                                   | TH | CDF | KI  | MINUS |
| 11111 8063 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} \frac{y}{\pi}$   | TH | CDF | LL  | PLUS  |
| 11112 8064 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} \frac{\pi}{y}$   | TH | CDF | LL  | MINUS |
| 11113 8065 1 | $LOG \left( 1/2 \frac{y}{\pi} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                      | TH | CDF | L   | PLUS  |
| 11114 8066 1 | $LOG \left( 1/2 \frac{\pi}{y} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                      | TH | CDF | L   | MINUS |
| 11115 8067 1 | $\arcsin \left( 1/2 \frac{y}{\pi} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                  | TH | CDF | S   | PLUS  |
| 11116 8068 1 | $\arcsin \left( 1/2 \frac{\pi}{y} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                  | TH | CDF | S   | MINUS |
| 11117 8069 1 | $\arctan \left( 1/2 \frac{y}{\pi} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                  | TH | CDF | T   | PLUS  |
| 11118 8070 1 | $\arctan \left( 1/2 \frac{\pi}{y} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                  | TH | CDF | T   | MINUS |
| 11119 8071 1 | $1/2 \sqrt{\frac{1}{\pi^2} \left( -\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^2 + 4 \pi^2} \right)$ | TH | CDF | P   | PLUS  |
| 11120 8072 1 | $1/2 \sqrt{\frac{1}{y^2} \left( -\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \pi^2 + 4 y^2} \right)$   | TH | CDF | P   | MINUS |

|              |  |    |      |      |       |
|--------------|--|----|------|------|-------|
| 11121 8073 1 | $1/2 \sqrt{\frac{1}{\pi^2} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^2 + 4 \pi^2 \right)}$   | TH | CDF  | H    | PLUS  |
| 11122 8074 1 | $1/2 \sqrt{\frac{1}{y^2} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \pi^2 + 4 y^2 \right)}$   | TH | CDF  | H    | MINUS |
| 11123 8075 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{y}{\pi}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{y}{\pi}}$   | TH | CDF  | SH   | PLUS  |
| 11124 8076 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{\pi}{y}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{\pi}{y}}$   | TH | CDF  | SH   | MINUS |
| 11125 8077 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{y}{\pi}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{y}{\pi}}$   | TH | CDF  | CH   | PLUS  |
| 11126 8078 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{\pi}{y}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{\pi}{y}}$   | TH | CDF  | CH   | MINUS |
| 11127 8079 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{y}{\pi}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{y}{\pi}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{y}{\pi}} + \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{y}{\pi}} \right)^{-1}$ | TH | CDIF | TH   | PLUS  |
| 11128 8080 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{\pi}{y}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{\pi}{y}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{\pi}{y}} + \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{\pi}{y}} \right)^{-1}$ | TH | CDIF | TH   | MINUS |
| 11129 8081 1 | $1/2 \frac{1}{y\pi} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | CDIF | CD   | PLUS  |
| 11130 8082 1 | $2 y \pi \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | CDIF | CDI  | PLUS  |
| 11131 8083 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) y \pi^2$  | TH | CDIF | CDF  | MINUS |
| 11132 8084 1 | $2 \frac{1}{y\pi^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | CDIF | CDIF | MINUS |
| 11133 8085 1 | $1/4 \frac{1}{y^2 \pi^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$   | TH | CDIF | AB   | PLUS  |
| 11134 8086 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^2 \pi^2$   | TH | CDIF | AB   | MINUS |
| 11135 8087 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{y\pi} \ln \left( \frac{-x-1}{x-1} \right)}$   | TH | CDIF | W    | PLUS  |
| 11136 8088 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) y \pi}$  | TH | CDIF | W    | MINUS |

|              |  |    |      |     |       |
|--------------|--|----|------|-----|-------|
| 11137 8089 1 | $4 y^2 \pi^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$  | TH | CDIF | ABI | PLUS  |
| 11138 8090 1 | $4 \frac{1}{y^2 \pi^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$                                    | TH | CDIF | ABI | MINUS |
| 11139 8091 1 | $1/8 \frac{1}{y^3 \pi^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$                                     | TH | CDIF | K   | PLUS  |
| 11140 8092 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 y^3 \pi^3$   | TH | CDIF | K   | MINUS |
| 11141 8093 1 | $8 y^3 \pi^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$  | TH | CDIF | KI  | PLUS  |
| 11142 8094 1 | $8 \frac{1}{y^3 \pi^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$                                    | TH | CDIF | KI  | MINUS |
| 11143 8095 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} \frac{1}{y\pi}$   | TH | CDIF | LL  | PLUS  |
| 11144 8096 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} y\pi$   | TH | CDIF | LL  | MINUS |
| 11145 8097 1 | $LOG \left( 1/2 \frac{1}{y\pi} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | CDIF | L   | PLUS  |
| 11146 8098 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) y\pi \right)$  | TH | CDIF | L   | MINUS |
| 11147 8099 1 | $\arcsin \left( 1/2 \frac{1}{y\pi} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                    | TH | CDIF | S   | PLUS  |
| 11148 8100 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) y\pi \right)$  | TH | CDIF | S   | MINUS |
| 11149 8101 1 | $\arctan \left( 1/2 \frac{1}{y\pi} \ln \left( \frac{-x-1}{x-1} \right) \right)$                                    | TH | CDIF | T   | PLUS  |
| 11150 8102 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) y\pi \right)$  | TH | CDIF | T   | MINUS |
| 11151 8103 1 | $1/2 \sqrt{\frac{1}{y^2 \pi^2} \left( 4 y^2 \pi^2 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$ | TH | CDIF | P   | PLUS  |
| 11152 8104 1 | $1/2 \sqrt{- \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^2 \pi^2 + 4}$                                  | TH | CDIF | P   | MINUS |
| 11153 8105 1 | $1/2 \sqrt{\frac{1}{y^2 \pi^2} \left( 4 y^2 \pi^2 + \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$ | TH | CDIF | H   | PLUS  |

|              |  |    |      |      |       |
|--------------|--|----|------|------|-------|
| 11154 8106 1 | $1/2 \sqrt{\left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 y^2 \pi^2 + 4}$   | TH | CDIF | H    | MINUS |
| 11155 8107 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 \frac{1}{y\pi}} - 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 \frac{1}{y\pi}}$   | TH | CDIF | SH   | PLUS  |
| 11156 8108 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 y\pi} - 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 y\pi}$   | TH | CDIF | SH   | MINUS |
| 11157 8109 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 \frac{1}{y\pi}} + 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 \frac{1}{y\pi}}$   | TH | CDIF | CH   | PLUS  |
| 11158 8110 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 y\pi} + 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 y\pi}$   | TH | CDIF | CH   | MINUS |
| 11159 8111 1 | $1 \left( \left(\frac{-x-1}{x-1}\right)^{1/2 \frac{1}{y\pi}} - \left(\frac{-x-1}{x-1}\right)^{-1/2 \frac{1}{y\pi}} \right) \left( \left(\frac{-x-1}{x-1}\right)^{1/2 \frac{1}{y\pi}} - \left(\frac{-x-1}{x-1}\right)^{-1/2 \frac{1}{y\pi}} \right)^{-1}$ | TH | CDIF | TH   | PLUS  |
| 11160 8112 1 | $1 \left( \left(\frac{-x-1}{x-1}\right)^{1/2 y\pi} - \left(\frac{-x-1}{x-1}\right)^{-1/2 y\pi} \right) \left( \left(\frac{-x-1}{x-1}\right)^{1/2 y\pi} - \left(\frac{-x-1}{x-1}\right)^{-1/2 y\pi} \right)^{-1}$   | TH | CDIF | TH   | MINUS |
| 11161 8113 1 | $1/2 \ln\left(\frac{-x-1}{x-1}\right) \sqrt{y}$  | TH | AB   | CD   | PLUS  |
| 11162 8113 2 |  | TH | ABI  | CD   | MINUS |
| 11163 8114 1 | $1/2 \frac{1}{\sqrt{y}} \ln\left(\frac{-x-1}{x-1}\right)$  | TH | AB   | CD   | MINUS |
| 11164 8114 2 |  | TH | ABI  | CD   | PLUS  |
| 11165 8115 1 | $2 \frac{1}{\sqrt{y}} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$  | TH | AB   | CDI  | PLUS  |
| 11166 8115 2 |  | TH | ABI  | CDI  | MINUS |
| 11167 8116 1 | $2 \sqrt{y} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$  | TH | AB   | CDI  | MINUS |
| 11168 8116 2 |  | TH | ABI  | CDI  | PLUS  |
| 11169 8117 1 | $1/2 \ln\left(\frac{-x-1}{x-1}\right) \sqrt{y\pi}$   | TH | AB   | CDF  | PLUS  |
| 11170 8117 2 |  | TH | ABI  | CDF  | MINUS |
| 11171 8118 1 | $1/2 \frac{\pi}{\sqrt{y}} \ln\left(\frac{-x-1}{x-1}\right)$  | TH | AB   | CDF  | MINUS |
| 11172 8118 2 |  | TH | ABI  | CDF  | PLUS  |
| 11173 8119 1 | $2 \frac{1}{\sqrt{y\pi}} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$   | TH | AB   | CDIF | PLUS  |
| 11174 8119 2 |  | TH | ABI  | CDIF | MINUS |

|              |  |    |     |      |       |
|--------------|--|----|-----|------|-------|
| 11175 8120 1 | $2 \frac{\sqrt{y}}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$ | TH | AB  | CDIF | MINUS |
| 11176 8120 2 |  | TH | ABI | CDIF | PLUS  |
| 11177 8121 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y$                     | TH | AB  | AB   | PLUS  |
| 11178 8121 2 |  | TH | ABI | AB   | MINUS |
| 11179 8122 1 | $1/4 \frac{1}{y} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$           | TH | AB  | AB   | MINUS |
| 11180 8122 2 |  | TH | ABI | AB   | PLUS  |
| 11181 8123 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right)} \sqrt{y}$               | TH | AB  | W    | PLUS  |
| 11182 8123 2 |  | TH | ABI | W    | MINUS |
| 11183 8124 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sqrt{y}} \ln \left( \frac{-x-1}{x-1} \right)}$     | TH | AB  | W    | MINUS |
| 11184 8124 2 |  | TH | ABI | W    | PLUS  |
| 11185 8125 1 | $4 \frac{1}{y} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$          | TH | AB  | ABI  | PLUS  |
| 11186 8125 2 |  | TH | ABI | ABI  | MINUS |
| 11187 8126 1 | $4 y \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$                    | TH | AB  | ABI  | MINUS |
| 11188 8126 2 |  | TH | ABI | ABI  | PLUS  |
| 11189 8127 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 y^{3/2}$               | TH | AB  | K    | PLUS  |
| 11190 8127 2 |  | TH | ABI | K    | MINUS |
| 11191 8128 1 | $1/8 \frac{1}{y^{3/2}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$     | TH | AB  | K    | MINUS |
| 11192 8128 2 |  | TH | ABI | K    | PLUS  |
| 11193 8129 1 | $8 \frac{1}{y^{3/2}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$    | TH | AB  | KI   | PLUS  |
| 11194 8129 2 |  | TH | ABI | KI   | MINUS |
| 11195 8130 1 | $8 y^{3/2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$              | TH | AB  | KI   | MINUS |
| 11196 8130 2 |  | TH | ABI | KI   | PLUS  |
| 11197 8131 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} \sqrt{y}$                                 | TH | AB  | LL   | PLUS  |
| 11198 8131 2 |  | TH | ABI | LL   | MINUS |

|              |  |    |     |    |       |
|--------------|--|----|-----|----|-------|
| 11199 8132 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2} \frac{1}{\sqrt{y}}$   | TH | AB  | LL | MINUS |
| 11200 8132 2 |  | TH | ABI | LL | PLUS  |
| 11201 8133 1 | $LOG \left(1/2 \ln \left(\frac{-x-1}{x-1}\right) \sqrt{y}\right)$                                      | TH | AB  | L  | PLUS  |
| 11202 8133 2 |  | TH | ABI | L  | MINUS |
| 11203 8134 1 | $LOG \left(1/2 \frac{1}{\sqrt{y}} \ln \left(\frac{-x-1}{x-1}\right)\right)$                            | TH | AB  | L  | MINUS |
| 11204 8134 2 |  | TH | ABI | L  | PLUS  |
| 11205 8135 1 | $\arcsin \left(1/2 \ln \left(\frac{-x-1}{x-1}\right) \sqrt{y}\right)$                                  | TH | AB  | S  | PLUS  |
| 11206 8135 2 |  | TH | ABI | S  | MINUS |
| 11207 8136 1 | $\arcsin \left(1/2 \frac{1}{\sqrt{y}} \ln \left(\frac{-x-1}{x-1}\right)\right)$                        | TH | AB  | S  | MINUS |
| 11208 8136 2 |  | TH | ABI | S  | PLUS  |
| 11209 8137 1 | $\arctan \left(1/2 \ln \left(\frac{-x-1}{x-1}\right) \sqrt{y}\right)$                                  | TH | AB  | T  | PLUS  |
| 11210 8137 2 |  | TH | ABI | T  | MINUS |
| 11211 8138 1 | $\arctan \left(1/2 \frac{1}{\sqrt{y}} \ln \left(\frac{-x-1}{x-1}\right)\right)$                        | TH | AB  | T  | MINUS |
| 11212 8138 2 |  | TH | ABI | T  | PLUS  |
| 11213 8139 1 | $1/2 \sqrt{-\left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 y + 4}$                                   | TH | AB  | P  | PLUS  |
| 11214 8139 2 |  | TH | ABI | P  | MINUS |
| 11215 8140 1 | $1/2 \sqrt{\frac{1}{y} \left(-\left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 + 4 y\right)}$          | TH | AB  | P  | MINUS |
| 11216 8140 2 |  | TH | ABI | P  | PLUS  |
| 11217 8141 1 | $1/2 \sqrt{\left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 y + 4}$                                    | TH | AB  | H  | PLUS  |
| 11218 8141 2 |  | TH | ABI | H  | MINUS |
| 11219 8142 1 | $1/2 \sqrt{\frac{1}{y} \left(\left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 + 4 y\right)}$           | TH | AB  | H  | MINUS |
| 11220 8142 2 |  | TH | ABI | H  | PLUS  |
| 11221 8143 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2} \sqrt{y} - 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2} \sqrt{y}$ | TH | AB  | SH | PLUS  |
| 11222 8143 2 |  | TH | ABI | SH | MINUS |



|              |  |    |     |      |       |
|--------------|--|----|-----|------|-------|
| 11223 8144 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{y}}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{y}}}$   | TH | AB  | SH   | MINUS |
| 11224 8144 2 |  | TH | ABI | SH   | PLUS  |
| 11225 8145 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{y}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{y}}$   | TH | AB  | CH   | PLUS  |
| 11226 8145 2 |  | TH | ABI | CH   | MINUS |
| 11227 8146 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{y}}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{y}}}$   | TH | AB  | CH   | MINUS |
| 11228 8146 2 |  | TH | ABI | CH   | PLUS  |
| 11229 8147 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{y}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{y}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{y}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{y}} \right)^{-1}$   | TH | AB  | TH   | PLUS  |
| 11230 8147 2 |  | TH | ABI | TH   | MINUS |
| 11231 8148 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{y}}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{y}}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{y}}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{y}}} \right)^{-1}$ | TH | AB  | TH   | MINUS |
| 11232 8148 2 |  | TH | ABI | TH   | PLUS  |
| 11233 8149 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) y^2$  | TH | W   | CD   | PLUS  |
| 11234 8150 1 | $1/2 \frac{1}{y^2} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | W   | CD   | MINUS |
| 11235 8151 1 | $2 \frac{1}{y^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | W   | CDI  | PLUS  |
| 11236 8152 1 | $2 y^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | W   | CDI  | MINUS |
| 11237 8153 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) y^2 \pi$  | TH | W   | CDF  | PLUS  |
| 11238 8154 1 | $1/2 \frac{\pi}{y^2} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | W   | CDF  | MINUS |
| 11239 8155 1 | $2 \frac{1}{y^2 \pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | W   | CDIF | PLUS  |
| 11240 8156 1 | $2 \frac{y^2}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | W   | CDIF | MINUS |
| 11241 8157 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^4$   | TH | W   | AB   | PLUS  |
| 11242 8158 1 | $1/4 \frac{1}{y^4} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$   | TH | W   | AB   | MINUS |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 11243 8159 1 | $1/2 \sqrt{2} \sqrt{\ln\left(\frac{-x-1}{x-1}\right)} y^2$               | TH | W | W   | PLUS  |
| 11244 8160 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{y^2} \ln\left(\frac{-x-1}{x-1}\right)}$     | TH | W | W   | MINUS |
| 11245 8161 1 | $4 \frac{1}{y^4} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$     | TH | W | ABI | PLUS  |
| 11246 8162 1 | $4 y^4 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$               | TH | W | ABI | MINUS |
| 11247 8163 1 | $1/8 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3 y^6$                | TH | W | K   | PLUS  |
| 11248 8164 1 | $1/8 \frac{1}{y^6} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3$      | TH | W | K   | MINUS |
| 11249 8165 1 | $8 \frac{1}{y^6} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-3}$     | TH | W | KI  | PLUS  |
| 11250 8166 1 | $8 y^6 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-3}$               | TH | W | KI  | MINUS |
| 11251 8167 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2} y^2$                                | TH | W | LL  | PLUS  |
| 11252 8168 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2} y^{-2}$                             | TH | W | LL  | MINUS |
| 11253 8169 1 | $LOG\left(1/2 \ln\left(\frac{-x-1}{x-1}\right) y^2\right)$               | TH | W | L   | PLUS  |
| 11254 8170 1 | $LOG\left(1/2 \frac{1}{y^2} \ln\left(\frac{-x-1}{x-1}\right)\right)$     | TH | W | L   | MINUS |
| 11255 8171 1 | $\arcsin\left(1/2 \ln\left(\frac{-x-1}{x-1}\right) y^2\right)$           | TH | W | S   | PLUS  |
| 11256 8172 1 | $\arcsin\left(1/2 \frac{1}{y^2} \ln\left(\frac{-x-1}{x-1}\right)\right)$ | TH | W | S   | MINUS |
| 11257 8173 1 | $\arctan\left(1/2 \ln\left(\frac{-x-1}{x-1}\right) y^2\right)$           | TH | W | T   | PLUS  |
| 11258 8174 1 | $\arctan\left(1/2 \frac{1}{y^2} \ln\left(\frac{-x-1}{x-1}\right)\right)$ | TH | W | T   | MINUS |
| 11259 8175 1 | $1/2 \sqrt{-\left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 y^4 + 4}$    | TH | W | P   | PLUS  |

|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 11260 8176 1 | $1/2 \sqrt{\frac{1}{y^4} \left( 4y^4 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$  | TH | W  | P   | MINUS |
| 11261 8177 1 | $1/2 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^4 + 4}$  | TH | W  | H   | PLUS  |
| 11262 8178 1 | $1/2 \sqrt{\frac{1}{y^4} \left( 4y^4 + \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$  | TH | W  | H   | MINUS |
| 11263 8179 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} y^2 - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} y^2$   | TH | W  | SH  | PLUS  |
| 11264 8180 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} y^{-2} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} y^{-2}$   | TH | W  | SH  | MINUS |
| 11265 8181 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} y^2 + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} y^2$   | TH | W  | CH  | PLUS  |
| 11266 8182 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} y^{-2} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} y^{-2}$   | TH | W  | CH  | MINUS |
| 11267 8183 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2} y^2 - \left( \frac{-x-1}{x-1} \right)^{-1/2} y^2 \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2} y^2 \right)^{\text{TH}} + \left( \frac{-x-1}{x-1} \right)^{-1/2} y^2 \left( \frac{-x-1}{x-1} \right)^{-1}$             | TH | W  | PI  | PLUS  |
| 11268 8184 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2} y^{-2} - \left( \frac{-x-1}{x-1} \right)^{-1/2} y^{-2} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2} y^{-2} \right)^{\text{TH}} + \left( \frac{-x-1}{x-1} \right)^{-1/2} y^{-2} \left( \frac{-x-1}{x-1} \right)^{-1}$ | TH | W  | PI  | MINUS |
| 11269 8185 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt[3]{y}$  | TH | K  | CD  | PLUS  |
| 11270 8185 2 |  | TH | KI | CD  | MINUS |
| 11271 8186 1 | $1/2 \frac{1}{\sqrt[3]{y}} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | K  | CD  | MINUS |
| 11272 8186 2 |  | TH | KI | CD  | PLUS  |
| 11273 8187 1 | $2 \frac{1}{\sqrt[3]{y}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | K  | CDI | PLUS  |
| 11274 8187 2 |  | TH | KI | CDI | MINUS |
| 11275 8188 1 | $2 \sqrt[3]{y} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | K  | CDI | MINUS |
| 11276 8188 2 |  | TH | KI | CDI | PLUS  |
| 11277 8189 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt[3]{y} \pi$  | TH | K  | CDF | PLUS  |
| 11278 8189 2 |  | TH | KI | CDF | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 11279 8190 1 | $1/2 \frac{\pi}{\sqrt[3]{y}} \ln \left( \frac{-x-1}{x-1} \right)$                    | TH | K  | CDF  | MINUS |
| 11280 8190 2 |  | TH | KI | CDF  | PLUS  |
| 11281 8191 1 | $2 \frac{1}{\sqrt[3]{y}\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$ | TH | K  | CDIF | PLUS  |
| 11282 8191 2 |  | TH | KI | CDIF | MINUS |
| 11283 8192 1 | $2 \frac{\sqrt[3]{y}}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | K  | CDIF | MINUS |
| 11284 8192 2 |  | TH | KI | CDIF | PLUS  |
| 11285 8193 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^{2/3}$                   | TH | K  | AB   | PLUS  |
| 11286 8193 2 |  | TH | KI | AB   | MINUS |
| 11287 8194 1 | $1/4 \frac{1}{y^{2/3}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$         | TH | K  | AB   | MINUS |
| 11288 8194 2 |  | TH | KI | AB   | PLUS  |
| 11289 8195 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right)} \sqrt[3]{y}$                | TH | K  | W    | PLUS  |
| 11290 8195 2 |  | TH | KI | W    | MINUS |
| 11291 8196 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sqrt[3]{y}} \ln \left( \frac{-x-1}{x-1} \right)}$      | TH | K  | W    | MINUS |
| 11292 8196 2 |  | TH | KI | W    | PLUS  |
| 11293 8197 1 | $4 \frac{1}{y^{2/3}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$        | TH | K  | ABI  | PLUS  |
| 11294 8197 2 |  | TH | KI | ABI  | MINUS |
| 11295 8198 1 | $4 y^{2/3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$                  | TH | K  | ABI  | MINUS |
| 11296 8198 2 |  | TH | KI | ABI  | PLUS  |
| 11297 8199 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 y$                         | TH | K  | K    | PLUS  |
| 11298 8199 2 |  | TH | KI | K    | MINUS |
| 11299 8200 1 | $1/8 \frac{1}{y} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$               | TH | K  | K    | MINUS |
| 11300 8200 2 |  | TH | KI | K    | PLUS  |
| 11301 8201 1 | $8 \frac{1}{y} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$              | TH | K  | KI   | PLUS  |
| 11302 8201 2 |  | TH | KI | KI   | MINUS |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 11303 8202 1 | $8y \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$  | TH | K  | KI | MINUS |
| 11304 8202 2 |   | TH | KI | KI | PLUS  |
| 11305 8203 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \sqrt[3]{y}}$   | TH | K  | LL | PLUS  |
| 11306 8203 2 |   | TH | KI | LL | MINUS |
| 11307 8204 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \frac{1}{\sqrt[3]{y}}}$   | TH | K  | LL | MINUS |
| 11308 8204 2 |   | TH | KI | LL | PLUS  |
| 11309 8205 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt[3]{y} \right)$  | TH | K  | L  | PLUS  |
| 11310 8205 2 |   | TH | KI | L  | MINUS |
| 11311 8206 1 | $LOG \left( 1/2 \frac{1}{\sqrt[3]{y}} \ln \left( \frac{-x-1}{x-1} \right) \right)$                              | TH | K  | L  | MINUS |
| 11312 8206 2 |   | TH | KI | L  | PLUS  |
| 11313 8207 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt[3]{y} \right)$                                    | TH | K  | S  | PLUS  |
| 11314 8207 2 |   | TH | KI | S  | MINUS |
| 11315 8208 1 | $\arcsin \left( 1/2 \frac{1}{\sqrt[3]{y}} \ln \left( \frac{-x-1}{x-1} \right) \right)$                          | TH | K  | S  | MINUS |
| 11316 8208 2 |   | TH | KI | S  | PLUS  |
| 11317 8209 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt[3]{y} \right)$                                    | TH | K  | T  | PLUS  |
| 11318 8209 2 |   | TH | KI | T  | MINUS |
| 11319 8210 1 | $\arctan \left( 1/2 \frac{1}{\sqrt[3]{y}} \ln \left( \frac{-x-1}{x-1} \right) \right)$                          | TH | K  | T  | MINUS |
| 11320 8210 2 |   | TH | KI | T  | PLUS  |
| 11321 8211 1 | $1/2 \sqrt{-\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^{2/3} + 4}$                                  | TH | K  | P  | PLUS  |
| 11322 8211 2 |   | TH | KI | P  | MINUS |
| 11323 8212 1 | $1/2 \sqrt{\frac{1}{y^{2/3}} \left( -\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 y^{2/3} \right)}$ | TH | K  | P  | MINUS |
| 11324 8212 2 |   | TH | KI | P  | PLUS  |
| 11325 8213 1 | $1/2 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^{2/3} + 4}$                                   | TH | K  | H  | PLUS  |
| 11326 8213 2 |   | TH | KI | H  | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 11327 8214 1 | $1/2 \sqrt{\frac{1}{y^{2/3}} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 y^{2/3} \right)}$   | TH | K  | H    | MINUS |
| 11328 8214 2 |  | TH | KI | H    | PLUS  |
| 11329 8215 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt[3]{y}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt[3]{y}}$   | TH | K  | SH   | PLUS  |
| 11330 8215 2 |  | TH | KI | SH   | MINUS |
| 11331 8216 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt[3]{y}}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt[3]{y}}}$   | TH | K  | SH   | MINUS |
| 11332 8216 2 |  | TH | KI | SH   | PLUS  |
| 11333 8217 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt[3]{y}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt[3]{y}}$   | TH | K  | CH   | PLUS  |
| 11334 8217 2 |  | TH | KI | CH   | MINUS |
| 11335 8218 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt[3]{y}}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt[3]{y}}}$   | TH | K  | CH   | MINUS |
| 11336 8218 2 |  | TH | KI | CH   | PLUS  |
| 11337 8219 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt[3]{y}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt[3]{y}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt[3]{y}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt[3]{y}} \right)^{-1}$   | TH | K  | TH   | PLUS  |
| 11338 8219 2 |  | TH | KI | TH   | MINUS |
| 11339 8220 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt[3]{y}}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt[3]{y}}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt[3]{y}}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt[3]{y}}} \right)^{-1}$ | TH | K  | TH   | MINUS |
| 11340 8220 2 |  | TH | KI | TH   | PLUS  |
| 11341 8221 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln(y)$   | TH | LL | CD   | PLUS  |
| 11342 8222 1 | $1/2 \frac{1}{\ln(y)} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | LL | CD   | MINUS |
| 11343 8223 1 | $2 \frac{1}{\ln(y)} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | LL | CDI  | PLUS  |
| 11344 8224 1 | $2 \ln(y) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | LL | CDI  | MINUS |
| 11345 8225 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln(y) \pi$   | TH | LL | CDF  | PLUS  |
| 11346 8226 1 | $1/2 \frac{\pi}{\ln(y)} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | LL | CDF  | MINUS |
| 11347 8227 1 | $2 \frac{1}{\ln(y) \pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | LL | CDIF | PLUS  |

|              |   |    |    |      |       |
|--------------|---|----|----|------|-------|
| 11348 8228 1 | $2 \frac{\ln(y)}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$    | TH | LL | CDIF | MINUS |
| 11349 8229 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (\ln(y))^2$             | TH | LL | AB   | PLUS  |
| 11350 8230 1 | $1/4 \frac{1}{(\ln(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$   | TH | LL | AB   | MINUS |
| 11351 8231 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \ln(y)}$                  | TH | LL | W    | PLUS  |
| 11352 8232 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\ln(y)} \ln \left( \frac{-x-1}{x-1} \right)}$        | TH | LL | W    | MINUS |
| 11353 8233 1 | $4 \frac{1}{(\ln(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$  | TH | LL | ABI  | PLUS  |
| 11354 8234 1 | $4 (\ln(y))^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$            | TH | LL | ABI  | MINUS |
| 11355 8235 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 (\ln(y))^3$             | TH | LL | K    | PLUS  |
| 11356 8236 1 | $1/8 \frac{1}{(\ln(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$   | TH | LL | K    | MINUS |
| 11357 8237 1 | $8 \frac{1}{(\ln(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$  | TH | LL | KI   | PLUS  |
| 11358 8238 1 | $8 (\ln(y))^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$            | TH | LL | KI   | MINUS |
| 11359 8239 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \ln(y)}$                                    | TH | LL | LL   | PLUS  |
| 11360 8240 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 (\ln(y))^{-1}}$                             | TH | LL | LL   | MINUS |
| 11361 8241 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln(y) \right)$               | TH | LL | L    | PLUS  |
| 11362 8242 1 | $LOG \left( 1/2 \frac{1}{\ln(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$     | TH | LL | L    | MINUS |
| 11363 8243 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln(y) \right)$           | TH | LL | S    | PLUS  |
| 11364 8244 1 | $\arcsin \left( 1/2 \frac{1}{\ln(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$ | TH | LL | S    | MINUS |

|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 11365 8245 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln(y) \right)$  | TH | LL | T   | PLUS  |
| 11366 8246 1 | $\arctan \left( 1/2 \frac{1}{\ln(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | LL | T   | MINUS |
| 11367 8247 1 | $1/2 \sqrt{- \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (\ln(y))^2 + 4}$   | TH | LL | P   | PLUS  |
| 11368 8248 1 | $1/2 \sqrt{\frac{1}{(\ln(y))^2} \left( 4 (\ln(y))^2 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$   | TH | LL | P   | MINUS |
| 11369 8249 1 | $1/2 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (\ln(y))^2 + 4}$   | TH | LL | H   | PLUS  |
| 11370 8250 1 | $1/2 \sqrt{\frac{1}{(\ln(y))^2} \left( 4 (\ln(y))^2 + \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$   | TH | LL | H   | MINUS |
| 11371 8251 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y)} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y)}$   | TH | LL | SH  | PLUS  |
| 11372 8252 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 (\ln(y))^{-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 (\ln(y))^{-1}}$   | TH | LL | SH  | MINUS |
| 11373 8253 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y)} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y)}$   | TH | LL | CH  | PLUS  |
| 11374 8254 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 (\ln(y))^{-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 (\ln(y))^{-1}}$   | TH | LL | CH  | MINUS |
| 11375 8255 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y)} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y)} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y)} + \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y)} \right)^{-1}$                             | TH | LL | CH  | PLUS  |
| 11376 8256 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (\ln(y))^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 (\ln(y))^{-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (\ln(y))^{-1}} + \left( \frac{-x-1}{x-1} \right)^{-1/2 (\ln(y))^{-1}} \right)^{-1}$ | TH | LL | CH  | MINUS |
| 11377 8257 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) EXP(y)$   | TH | L  | CD  | PLUS  |
| 11378 8258 1 | $1/2 \frac{1}{EXP(y)} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | L  | CD  | MINUS |
| 11379 8259 1 | $2 \frac{1}{EXP(y)} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | L  | CDI | PLUS  |
| 11380 8260 1 | $2 EXP(y) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | L  | CDI | MINUS |



|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 11381 8261 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) EXP(y) \pi$                             | TH | L | CDF  | PLUS  |
| 11382 8262 1 | $1/2 \frac{\pi}{EXP(y)} \ln \left( \frac{-x-1}{x-1} \right)$                     | TH | L | CDF  | MINUS |
| 11383 8263 1 | $2 \frac{1}{EXP(y)\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | L | CDIF | PLUS  |
| 11384 8264 1 | $2 \frac{EXP(y)}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | L | CDIF | MINUS |
| 11385 8265 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (EXP(y))^2$            | TH | L | AB   | PLUS  |
| 11386 8266 1 | $1/4 \frac{1}{(EXP(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$  | TH | L | AB   | MINUS |
| 11387 8267 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) EXP(y)}$                 | TH | L | W    | PLUS  |
| 11388 8268 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{EXP(y)} \ln \left( \frac{-x-1}{x-1} \right)}$       | TH | L | W    | MINUS |
| 11389 8269 1 | $4 \frac{1}{(EXP(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$ | TH | L | ABI  | PLUS  |
| 11390 8270 1 | $4 (EXP(y))^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$           | TH | L | ABI  | MINUS |
| 11391 8271 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 (EXP(y))^3$            | TH | L | K    | PLUS  |
| 11392 8272 1 | $1/8 \frac{1}{(EXP(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$  | TH | L | K    | MINUS |
| 11393 8273 1 | $8 \frac{1}{(EXP(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$ | TH | L | KI   | PLUS  |
| 11394 8274 1 | $8 (EXP(y))^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$           | TH | L | KI   | MINUS |
| 11395 8275 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} EXP(y)$                                   | TH | L | LL   | PLUS  |
| 11396 8276 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} (EXP(y))^{-1}$                            | TH | L | LL   | MINUS |
| 11397 8277 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) EXP(y) \right)$              | TH | L | L    | PLUS  |

|              |  |    |   |    |       |
|--------------|--|----|---|----|-------|
| 11398 8278 1 | $LOG \left( 1/2 \frac{1}{EXP(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | L | L  | MINUS |
| 11399 8279 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) EXP(y) \right)$  | TH | L | S  | PLUS  |
| 11400 8280 1 | $\arcsin \left( 1/2 \frac{1}{EXP(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | L | S  | MINUS |
| 11401 8281 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) EXP(y) \right)$  | TH | L | T  | PLUS  |
| 11402 8282 1 | $\arctan \left( 1/2 \frac{1}{EXP(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | L | T  | MINUS |
| 11403 8283 1 | $1/2 \sqrt{- \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (EXP(y))^2 + 4}$   | TH | L | P  | PLUS  |
| 11404 8284 1 | $1/2 \sqrt{\frac{1}{(EXP(y))^2} \left( 4 (EXP(y))^2 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$   | TH | L | P  | MINUS |
| 11405 8285 1 | $1/2 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (EXP(y))^2 + 4}$   | TH | L | H  | PLUS  |
| 11406 8286 1 | $1/2 \sqrt{\frac{1}{(EXP(y))^2} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 (EXP(y))^2 \right)}$   | TH | L | H  | MINUS |
| 11407 8287 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 EXP(y)} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 EXP(y)}$   | TH | L | SH | PLUS  |
| 11408 8288 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 (EXP(y))^{-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 (EXP(y))^{-1}}$   | TH | L | SH | MINUS |
| 11409 8289 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 EXP(y)} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 EXP(y)}$   | TH | L | CH | PLUS  |
| 11410 8290 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 (EXP(y))^{-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 (EXP(y))^{-1}}$   | TH | L | CH | MINUS |
| 11411 8291 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 EXP(y)} - \left( \frac{-x-1}{x-1} \right)^{-1/2 EXP(y)} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 EXP(y)} - \left( \frac{-x-1}{x-1} \right)^{-1/2 EXP(y)} \right)^{-1}$                             | TH | L | CH | MINUS |
| 11412 8292 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (EXP(y))^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 (EXP(y))^{-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (EXP(y))^{-1}} + \left( \frac{-x-1}{x-1} \right)^{-1/2 (EXP(y))^{-1}} \right)^{-1}$ | TH | L | CH | MINUS |
| 11413 8293 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sin(y)$  | TH | S | CD | PLUS  |

|              |   |    |   |      |       |
|--------------|---|----|---|------|-------|
| 11414 8294 1 | $1/2 \frac{1}{\sin(y)} \ln \left( \frac{-x-1}{x-1} \right)$                       | TH | S | CD   | MINUS |
| 11415 8295 1 | $2 \frac{1}{\sin(y)} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$     | TH | S | CDI  | PLUS  |
| 11416 8296 1 | $2 \sin(y) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$               | TH | S | CDI  | MINUS |
| 11417 8297 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sin(y) \pi$                             | TH | S | CDF  | PLUS  |
| 11418 8298 1 | $1/2 \frac{\pi}{\sin(y)} \ln \left( \frac{-x-1}{x-1} \right)$                     | TH | S | CDF  | MINUS |
| 11419 8299 1 | $2 \frac{1}{\sin(y)\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | S | CDIF | PLUS  |
| 11420 8300 1 | $2 \frac{\sin(y)}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | S | CDIF | MINUS |
| 11421 8301 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (\sin(y))^2$            | TH | S | AB   | PLUS  |
| 11422 8302 1 | $1/4 \frac{1}{(\sin(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$  | TH | S | AB   | MINUS |
| 11423 8303 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \sin(y)}$                 | TH | S | W    | PLUS  |
| 11424 8304 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sin(y)} \ln \left( \frac{-x-1}{x-1} \right)}$       | TH | S | W    | MINUS |
| 11425 8305 1 | $4 \frac{1}{(\sin(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$ | TH | S | ABI  | PLUS  |
| 11426 8306 1 | $4 (\sin(y))^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$           | TH | S | ABI  | MINUS |
| 11427 8307 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 (\sin(y))^3$            | TH | S | K    | PLUS  |
| 11428 8308 1 | $1/8 \frac{1}{(\sin(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$  | TH | S | K    | MINUS |
| 11429 8309 1 | $8 \frac{1}{(\sin(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$ | TH | S | KI   | PLUS  |
| 11430 8310 1 | $8 (\sin(y))^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$           | TH | S | KI   | MINUS |

|              |   |    |   |    |       |
|--------------|---|----|---|----|-------|
| 11431 8311 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2 \sin(y)}$   | TH | S | LL | PLUS  |
| 11432 8312 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2 (\sin(y))^{-1}}$  | TH | S | LL | MINUS |
| 11433 8313 1 | $LOG \left(1/2 \ln \left(\frac{-x-1}{x-1}\right) \sin(y)\right)$  | TH | S | L  | PLUS  |
| 11434 8314 1 | $LOG \left(1/2 \frac{1}{\sin(y)} \ln \left(\frac{-x-1}{x-1}\right)\right)$  | TH | S | L  | MINUS |
| 11435 8315 1 | $\arcsin \left(1/2 \ln \left(\frac{-x-1}{x-1}\right) \sin(y)\right)$  | TH | S | S  | PLUS  |
| 11436 8316 1 | $\arcsin \left(1/2 \frac{1}{\sin(y)} \ln \left(\frac{-x-1}{x-1}\right)\right)$  | TH | S | S  | MINUS |
| 11437 8317 1 | $\arctan \left(1/2 \ln \left(\frac{-x-1}{x-1}\right) \sin(y)\right)$  | TH | S | T  | PLUS  |
| 11438 8318 1 | $\arctan \left(1/2 \frac{1}{\sin(y)} \ln \left(\frac{-x-1}{x-1}\right)\right)$  | TH | S | T  | MINUS |
| 11439 8319 1 | $1/2 \sqrt{4 + \left((\cos(y))^2 - 1\right) \left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2}$  | TH | S | P  | PLUS  |
| 11440 8320 1 | $1/2 \sqrt{\frac{1}{(\sin(y))^2} \left(4 (\sin(y))^2 - \left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2\right)}$                              | TH | S | P  | MINUS |
| 11441 8321 1 | $1/2 \sqrt{-\left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 (\cos(y))^2 + \left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 + 4 (\sin(y))^2}$ | TH | S | H  | PLUS  |
| 11442 8322 1 | $1/2 \sqrt{\frac{1}{(\sin(y))^2} \left(\left(\ln \left(\frac{-x-1}{x-1}\right)\right)^2 + 4 (\sin(y))^2\right)}$                              | TH | S | H  | MINUS |
| 11443 8323 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 \sin(y)} - 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 \sin(y)}$  | TH | S | SH | PLUS  |
| 11444 8324 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 (\sin(y))^{-1}} - 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 (\sin(y))^{-1}}$                            | TH | S | SH | MINUS |
| 11445 8325 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 \sin(y)} + 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 \sin(y)}$  | TH | S | CH | PLUS  |
| 11446 8326 1 | $1/2 \left(\frac{-x-1}{x-1}\right)^{1/2 (\sin(y))^{-1}} + 1/2 \left(\frac{-x-1}{x-1}\right)^{-1/2 (\sin(y))^{-1}}$                            | TH | S | CH | MINUS |

|              |     |   |    |   |      |       |  |
|--------------|-----|---|----|---|------|-------|--|
| 11447 8327 1 | 1   | $\left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sin(y)} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \sin(y)} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sin(y)} \text{TH} \left( \frac{-x-1}{x-1} \right)^{-1/2 \sin(y)} \right)^{-1}$  |    |   |      |       |  |
| 11448 8328 1 | 1   | $\left( \left( \frac{-x-1}{x-1} \right)^{1/2 (\sin(y))^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 (\sin(y))^{-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (\sin(y))^{-1}} \text{TH} \text{MINUS} \left( \frac{-x-1}{x-1} \right)^{-1/2 (\sin(y))^{-1}} \right)^{-1}$ |    |   |      |       |  |
| 11449 8329 1 | 1/2 | $\ln \left( \frac{-x-1}{x-1} \right) \tan(y)$   | TH | T | CD   | PLUS  |  |
| 11450 8330 1 | 1/2 | $\frac{1}{\tan(y)} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | T | CD   | MINUS |  |
| 11451 8331 1 | 2   | $\frac{1}{\tan(y)} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | T | CDI  | PLUS  |  |
| 11452 8332 1 | 2   | $\tan(y) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | T | CDI  | MINUS |  |
| 11453 8333 1 | 1/2 | $\ln \left( \frac{-x-1}{x-1} \right) \tan(y) \pi$   | TH | T | CDF  | PLUS  |  |
| 11454 8334 1 | 1/2 | $\frac{\pi}{\tan(y)} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | T | CDF  | MINUS |  |
| 11455 8335 1 | 2   | $\frac{1}{\tan(y)\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | T | CDIF | PLUS  |  |
| 11456 8336 1 | 2   | $\frac{\tan(y)}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | T | CDIF | MINUS |  |
| 11457 8337 1 | 1/4 | $\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (\tan(y))^2$  | TH | T | AB   | PLUS  |  |
| 11458 8338 1 | 1/4 | $\frac{1}{(\tan(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$  | TH | T | AB   | MINUS |  |
| 11459 8339 1 | 1/2 | $\sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \tan(y)}$   | TH | T | W    | PLUS  |  |
| 11460 8340 1 | 1/2 | $\sqrt{2} \sqrt{\frac{1}{\tan(y)} \ln \left( \frac{-x-1}{x-1} \right)}$   | TH | T | W    | MINUS |  |
| 11461 8341 1 | 4   | $\frac{1}{(\tan(y))^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$   | TH | T | ABI  | PLUS  |  |
| 11462 8342 1 | 4   | $(\tan(y))^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$   | TH | T | ABI  | MINUS |  |
| 11463 8343 1 | 1/8 | $\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 (\tan(y))^3$  | TH | T | K    | PLUS  |  |

|              |   |    |   |    |       |
|--------------|---|----|---|----|-------|
| 11464 8344 1 | $1/8 \frac{1}{(\tan(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$  | TH | T | K  | MINUS |
| 11465 8345 1 | $8 \frac{1}{(\tan(y))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$   | TH | T | KI | PLUS  |
| 11466 8346 1 | $8 (\tan(y))^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$   | TH | T | KI | MINUS |
| 11467 8347 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \tan(y)}$   | TH | T | LL | PLUS  |
| 11468 8348 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 (\tan(y))^{-1}}$  | TH | T | LL | MINUS |
| 11469 8349 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \tan(y) \right)$  | TH | T | L  | PLUS  |
| 11470 8350 1 | $LOG \left( 1/2 \frac{1}{\tan(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | T | L  | MINUS |
| 11471 8351 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \tan(y) \right)$  | TH | T | S  | PLUS  |
| 11472 8352 1 | $\arcsin \left( 1/2 \frac{1}{\tan(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | T | S  | MINUS |
| 11473 8353 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \tan(y) \right)$  | TH | T | T  | PLUS  |
| 11474 8354 1 | $\arctan \left( 1/2 \frac{1}{\tan(y)} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | T | T  | MINUS |
| 11475 8355 1 | $1/2 \sqrt{\frac{1}{(\cos(y))^2} \left( \left( (\cos(y))^2 - 1 \right) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$ | TH | T | P  | PLUS  |
| 11476 8356 1 | $1/2 \sqrt{\frac{1}{(\tan(y))^2} \left( 4 (\tan(y))^2 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$                | TH | T | P  | MINUS |
| 11477 8357 1 | $1/2 \sqrt{\frac{1}{(\cos(y))^2} \left( \left( 1 - (\cos(y))^2 \right) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right)}$ | TH | T | P  | PLUS  |
| 11478 8358 1 | $1/2 \sqrt{\frac{1}{(\tan(y))^2} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 (\tan(y))^2 \right)}$                | TH | T | H  | MINUS |
| 11479 8359 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \tan(y)} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \tan(y)}$                              | TH | T | SH | PLUS  |

|              |  |    |   |      |       |
|--------------|--|----|---|------|-------|
| 11480 8360 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 (\tan(y))^{-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 (\tan(y))^{-1}}$   | TH | T | SH   | MINUS |
| 11481 8361 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \tan(y)} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \tan(y)}$   | TH | T | CH   | PLUS  |
| 11482 8362 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 (\tan(y))^{-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 (\tan(y))^{-1}}$   | TH | T | CH   | MINUS |
| 11483 8363 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \tan(y)} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \tan(y)} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \tan(y)} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \tan(y)} \right)^{-1}$                             | TH | T | CH   | PLUS  |
| 11484 8364 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (\tan(y))^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 (\tan(y))^{-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 (\tan(y))^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 (\tan(y))^{-1}} \right)^{-1}$ | TH | T | CH   | MINUS |
| 11485 8365 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{-y^2 + 1}$  | TH | P | CD   | PLUS  |
| 11486 8366 1 | $1/2 \frac{1}{\sqrt{-y^2 + 1}} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | P | CD   | MINUS |
| 11487 8367 1 | $2 \frac{1}{\sqrt{-y^2 + 1}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | P | CDI  | PLUS  |
| 11488 8368 1 | $2 \sqrt{-y^2 + 1} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | P | CDI  | MINUS |
| 11489 8369 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{-y^2 + 1} \pi$  | TH | P | CDF  | PLUS  |
| 11490 8370 1 | $1/2 \frac{\pi}{\sqrt{-y^2 + 1}} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | P | CDF  | MINUS |
| 11491 8371 1 | $2 \frac{1}{\sqrt{-y^2 + 1} \pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | P | CDIF | PLUS  |
| 11492 8372 1 | $2 \frac{\sqrt{-y^2 + 1}}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | P | CDIF | MINUS |
| 11493 8373 1 | $-1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (y^2 - 1)$  | TH | P | AB   | PLUS  |
| 11494 8374 1 | $-\frac{1}{4 y^2 - 4} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$  | TH | P | AB   | MINUS |
| 11495 8375 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \sqrt{-y^2 + 1}}$  | TH | P | W    | PLUS  |

|              |  |    |   |     |       |
|--------------|--|----|---|-----|-------|
| 11496 8376 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sqrt{-y^2+1}} \ln\left(\frac{-x-1}{x-1}\right)}$     | TH | P | W   | MINUS |
| 11497 8377 1 | $-4 \frac{1}{y^2-1} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$            | TH | P | ABI | PLUS  |
| 11498 8378 1 | $(-4 y^2 + 4) \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$                  | TH | P | ABI | MINUS |
| 11499 8379 1 | $1/8 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3 (-y^2 + 1)^{3/2}$             | TH | P | K   | PLUS  |
| 11500 8380 1 | $1/8 \frac{1}{(-y^2+1)^{3/2}} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3$     | TH | P | K   | MINUS |
| 11501 8381 1 | $8 \frac{1}{(-y^2+1)^{3/2}} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-3}$    | TH | P | KI  | PLUS  |
| 11502 8382 1 | $8 (-y^2 + 1)^{3/2} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-3}$            | TH | P | KI  | MINUS |
| 11503 8383 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2} \sqrt{-y^2+1}$                                | TH | P | LL  | PLUS  |
| 11504 8384 1 | $\left(-\frac{x+1}{x-1}\right)^{1/2} \frac{1}{\sqrt{-y^2+1}}$                      | TH | P | LL  | MINUS |
| 11505 8385 1 | $LOG\left(1/2 \ln\left(\frac{-x-1}{x-1}\right) \sqrt{-y^2+1}\right)$               | TH | P | L   | PLUS  |
| 11506 8386 1 | $LOG\left(1/2 \frac{1}{\sqrt{-y^2+1}} \ln\left(\frac{-x-1}{x-1}\right)\right)$     | TH | P | L   | MINUS |
| 11507 8387 1 | $\arcsin\left(1/2 \ln\left(\frac{-x-1}{x-1}\right) \sqrt{-y^2+1}\right)$           | TH | P | S   | PLUS  |
| 11508 8388 1 | $\arcsin\left(1/2 \frac{1}{\sqrt{-y^2+1}} \ln\left(\frac{-x-1}{x-1}\right)\right)$ | TH | P | S   | MINUS |
| 11509 8389 1 | $\arctan\left(1/2 \ln\left(\frac{-x-1}{x-1}\right) \sqrt{-y^2+1}\right)$           | TH | P | T   | PLUS  |
| 11510 8390 1 | $\arctan\left(1/2 \frac{1}{\sqrt{-y^2+1}} \ln\left(\frac{-x-1}{x-1}\right)\right)$ | TH | P | T   | MINUS |
| 11511 8391 1 | $1/2 \sqrt{4 + \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 (y^2 - 1)}$         | TH | P | P   | PLUS  |
| 11512 8391 2 |  | TH | H | H   | PLUS  |



|              |  |    |   |       |       |
|--------------|--|----|---|-------|-------|
| 11513 8392 1 | $1/2 \sqrt{\frac{1}{y^2-1} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4y^2 - 4 \right)}$  | TH | P | P     | MINUS |
| 11514 8392 2 |  | TH | H | H     | MINUS |
| 11515 8393 1 | $1/2 \sqrt{- \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 y^2 + \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4}$   | TH | P | H     | PLUS  |
| 11516 8393 2 |  | TH | H | P     | PLUS  |
| 11517 8394 1 | $1/2 \sqrt{\frac{1}{y^2-1} \left( 4y^2 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 - 4 \right)}$  | TH | P | H     | MINUS |
| 11518 8394 2 |  | TH | H | P     | MINUS |
| 11519 8395 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{-y^2+1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{-y^2+1}}$   | TH | P | SH    | PLUS  |
| 11520 8396 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{-y^2+1}}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{-y^2+1}}}$   | TH | P | SH    | MINUS |
| 11521 8397 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{-y^2+1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{-y^2+1}}$   | TH | P | CH    | PLUS  |
| 11522 8398 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{-y^2+1}}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{-y^2+1}}}$   | TH | P | CH    | MINUS |
| 11523 8399 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{-y^2+1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{-y^2+1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \sqrt{-y^2+1}} \left( \frac{-x-1}{x-1} \right)^{-1/2 \sqrt{-y^2+1}} \right)^{-1}$   | TH | P | PLUS  |       |
| 11524 8400 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{-y^2+1}}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{-y^2+1}}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \frac{1}{\sqrt{-y^2+1}}} \left( \frac{-x-1}{x-1} \right)^{-1/2 \frac{1}{\sqrt{-y^2+1}}} \right)^{-1}$ | TH | P | MINUS |       |
| 11525 8401 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{y^2-1}$   | TH | H | CD    | PLUS  |
| 11526 8402 1 | $1/2 \frac{1}{\sqrt{y^2-1}} \ln \left( \frac{-x-1}{x-1} \right)$   | TH | H | CD    | MINUS |
| 11527 8403 1 | $2 \frac{1}{\sqrt{y^2-1}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | H | CDI   | PLUS  |
| 11528 8404 1 | $2 \sqrt{y^2-1} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | H | CDI   | MINUS |
| 11529 8405 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{y^2-1} \pi$   | TH | H | CDF   | PLUS  |

|              |   |    |   |      |       |
|--------------|---|----|---|------|-------|
| 11530 8406 1 | $1/2 \frac{\pi}{\sqrt{y^2-1}} \ln \left( \frac{-x-1}{x-1} \right)$                    | TH | H | CDF  | MINUS |
| 11531 8407 1 | $2 \frac{1}{\sqrt{y^2-1}\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$ | TH | H | CDIF | PLUS  |
| 11532 8408 1 | $2 \frac{\sqrt{y^2-1}}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | H | CDIF | MINUS |
| 11533 8409 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 (y^2 - 1)$                  | TH | H | AB   | PLUS  |
| 11534 8410 1 | $\frac{1}{4y^2-4} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$               | TH | H | AB   | MINUS |
| 11535 8411 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \sqrt{y^2-1}}$                | TH | H | W    | PLUS  |
| 11536 8412 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\sqrt{y^2-1}} \ln \left( \frac{-x-1}{x-1} \right)}$      | TH | H | W    | MINUS |
| 11537 8413 1 | $4 \frac{1}{y^2-1} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$           | TH | H | ABI  | PLUS  |
| 11538 8414 1 | $(4y^2 - 4) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$                  | TH | H | ABI  | MINUS |
| 11539 8415 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 (y^2 - 1)^{3/2}$            | TH | H | K    | PLUS  |
| 11540 8416 1 | $1/8 \frac{1}{(y^2-1)^{3/2}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$    | TH | H | K    | MINUS |
| 11541 8417 1 | $8 \frac{1}{(y^2-1)^{3/2}} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$   | TH | H | KI   | PLUS  |
| 11542 8418 1 | $8 (y^2 - 1)^{3/2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$           | TH | H | KI   | MINUS |
| 11543 8419 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \sqrt{y^2-1}}$                                  | TH | H | LL   | PLUS  |
| 11544 8420 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \frac{1}{\sqrt{y^2-1}}}$                        | TH | H | LL   | MINUS |
| 11545 8421 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{y^2-1} \right)$             | TH | H | L    | PLUS  |
| 11546 8422 1 | $LOG \left( 1/2 \frac{1}{\sqrt{y^2-1}} \ln \left( \frac{-x-1}{x-1} \right) \right)$   | TH | H | L    | MINUS |

|              |  |    |    |       |       |
|--------------|--|----|----|-------|-------|
| 11547 8423 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{y^2-1} \right)$  | TH | H  | S     | PLUS  |
| 11548 8424 1 | $\arcsin \left( 1/2 \frac{1}{\sqrt{y^2-1}} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | H  | S     | MINUS |
| 11549 8425 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \sqrt{y^2-1} \right)$  | TH | H  | T     | PLUS  |
| 11550 8426 1 | $\arctan \left( 1/2 \frac{1}{\sqrt{y^2-1}} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | H  | T     | MINUS |
| 11551 8427 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \sqrt{y^2-1} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \sqrt{y^2-1}$   | TH | H  | SH    | PLUS  |
| 11552 8428 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \frac{1}{\sqrt{y^2-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{1}{\sqrt{y^2-1}}$   | TH | H  | SH    | MINUS |
| 11553 8429 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \sqrt{y^2-1} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \sqrt{y^2-1}$   | TH | H  | CH    | PLUS  |
| 11554 8430 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \frac{1}{\sqrt{y^2-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{1}{\sqrt{y^2-1}}$   | TH | H  | CH    | MINUS |
| 11555 8431 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \sqrt{y^2-1} - \left( \frac{-x-1}{x-1} \right)^{-1/2} \sqrt{y^2-1} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \sqrt{y^2-1} + \left( \frac{-x-1}{x-1} \right)^{-1/2} \sqrt{y^2-1} \right)^{-1}$   | TH | H  | PLUS  |       |
| 11556 8432 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \frac{1}{\sqrt{y^2-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{1}{\sqrt{y^2-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \frac{1}{\sqrt{y^2-1}} + \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{1}{\sqrt{y^2-1}} \right)^{-1}$ | TH | H  | MINUS |       |
| 11557 8433 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2+1} \right)$  | TH | SH | CD    | PLUS  |
| 11558 8434 1 | $1/2 \frac{1}{\ln(y+\sqrt{y^2+1})} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | SH | CD    | MINUS |
| 11559 8435 1 | $2 \frac{1}{\ln(y+\sqrt{y^2+1})} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | SH | CDI   | PLUS  |
| 11560 8436 1 | $2 \ln \left( y + \sqrt{y^2+1} \right) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$  | TH | SH | CDI   | MINUS |
| 11561 8437 1 | $1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2+1} \right) \pi$  | TH | SH | CDF   | PLUS  |
| 11562 8438 1 | $1/2 \frac{\pi}{\ln(y+\sqrt{y^2+1})} \ln \left( \frac{-x-1}{x-1} \right)$  | TH | SH | CDF   | MINUS |

|              |  |    |    |            |
|--------------|--|----|----|------------|
| 11563 8439 1 | $2 \frac{1}{\ln(y+\sqrt{y^2+1})\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$                     | TH | SH | CDIF PLUS  |
| 11564 8440 1 | $2 \frac{\ln(y+\sqrt{y^2+1})}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$                      | TH | SH | CDIF MINUS |
| 11565 8441 1 | $1/4 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2$  | TH | SH | AB PLUS    |
| 11566 8442 1 | $1/4 \frac{1}{\left( \ln(y+\sqrt{y^2+1}) \right)^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2$        | TH | SH | AB MINUS   |
| 11567 8443 1 | $1/2 \sqrt{2} \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2+1} \right)}$                    | TH | SH | W PLUS     |
| 11568 8444 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\ln(y+\sqrt{y^2+1})} \ln \left( \frac{-x-1}{x-1} \right)}$                          | TH | SH | W MINUS    |
| 11569 8445 1 | $4 \frac{1}{\left( \ln(y+\sqrt{y^2+1}) \right)^2} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$       | TH | SH | ABI PLUS   |
| 11570 8446 1 | $4 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-2}$ | TH | SH | ABI MINUS  |
| 11571 8447 1 | $1/8 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^3$  | TH | SH | K PLUS     |
| 11572 8448 1 | $1/8 \frac{1}{\left( \ln(y+\sqrt{y^2+1}) \right)^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^3$        | TH | SH | K MINUS    |
| 11573 8449 1 | $8 \frac{1}{\left( \ln(y+\sqrt{y^2+1}) \right)^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$       | TH | SH | KI PLUS    |
| 11574 8450 1 | $8 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$ | TH | SH | KI MINUS   |
| 11575 8451 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} \ln(y+\sqrt{y^2+1})$  | TH | SH | LL PLUS    |
| 11576 8452 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2} \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}$                                  | TH | SH | LL MINUS   |
| 11577 8453 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2+1} \right) \right)$                 | TH | SH | L PLUS     |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 11578 8454 1 | $LOG \left( 1/2 \frac{1}{\ln(y+\sqrt{y^2+1})} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | SH | L  | MINUS |
| 11579 8455 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2+1} \right) \right)$  | TH | SH | S  | PLUS  |
| 11580 8456 1 | $\arcsin \left( 1/2 \frac{1}{\ln(y+\sqrt{y^2+1})} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | SH | S  | MINUS |
| 11581 8457 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2+1} \right) \right)$  | TH | SH | T  | PLUS  |
| 11582 8458 1 | $\arctan \left( 1/2 \frac{1}{\ln(y+\sqrt{y^2+1})} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | SH | T  | MINUS |
| 11583 8459 1 | $1/2 \sqrt{- \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2}$   | TH | SH | P  | PLUS  |
| 11584 8460 1 | $1/2 \sqrt{\frac{1}{\left( \ln(y+\sqrt{y^2+1}) \right)^2} \left( - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 \right)}$  | TH | SH | P  | MINUS |
| 11585 8461 1 | $1/2 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2}$   | TH | SH | H  | PLUS  |
| 11586 8462 1 | $1/2 \sqrt{\frac{1}{\left( \ln(y+\sqrt{y^2+1}) \right)^2} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2+1} \right) \right)^2 \right)}$  | TH | SH | H  | MINUS |
| 11587 8463 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y+\sqrt{y^2+1})} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y+\sqrt{y^2+1})}$  | TH | SH | SH | PLUS  |
| 11588 8464 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}}$  | TH | SH | SH | MINUS |
| 11589 8465 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y+\sqrt{y^2+1})} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y+\sqrt{y^2+1})}$  | TH | SH | CH | PLUS  |
| 11590 8466 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}}$  | TH | SH | CH | MINUS |
| 11591 8467 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y+\sqrt{y^2+1})} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y+\sqrt{y^2+1})} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y+\sqrt{y^2+1})} + \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y+\sqrt{y^2+1})} \right)$   | TH | SH | TH | PLUS  |
| 11592 8468 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}} - \left( \frac{-x-1}{x-1} \right)^{-1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}} + \left( \frac{-x-1}{x-1} \right)^{-1/2 \left( \ln(y+\sqrt{y^2+1}) \right)^{-1}} \right)$ | TH | SH | TH | MINUS |

|              |  |    |    |      |       |
|--------------|--|----|----|------|-------|
| 11593 8469 1 | $1/2 \ln\left(\frac{-x-1}{x-1}\right) \ln\left(y + \sqrt{y^2-1}\right)$                                | TH | CH | CD   | PLUS  |
| 11594 8470 1 | $1/2 \frac{1}{\ln(y+\sqrt{y^2-1})} \ln\left(\frac{-x-1}{x-1}\right)$                                   | TH | CH | CD   | MINUS |
| 11595 8471 1 | $2 \frac{1}{\ln(y+\sqrt{y^2-1})} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$                   | TH | CH | CDI  | PLUS  |
| 11596 8472 1 | $2 \ln\left(y + \sqrt{y^2-1}\right) \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$                | TH | CH | CDI  | MINUS |
| 11597 8473 1 | $1/2 \ln\left(\frac{-x-1}{x-1}\right) \ln\left(y + \sqrt{y^2-1}\right) \pi$                            | TH | CH | CDF  | PLUS  |
| 11598 8474 1 | $1/2 \frac{\pi}{\ln(y+\sqrt{y^2-1})} \ln\left(\frac{-x-1}{x-1}\right)$                                 | TH | CH | CDF  | MINUS |
| 11599 8475 1 | $2 \frac{1}{\ln(y+\sqrt{y^2-1})\pi} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$                | TH | CH | CDIF | PLUS  |
| 11600 8476 1 | $2 \frac{\ln(y+\sqrt{y^2-1})}{\pi} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-1}$                 | TH | CH | CDIF | MINUS |
| 11601 8477 1 | $1/4 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 \left(\ln\left(y + \sqrt{y^2-1}\right)\right)^2$  | TH | CH | AB   | PLUS  |
| 11602 8478 1 | $1/4 \frac{1}{\left(\ln(y+\sqrt{y^2-1})\right)^2} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2$     | TH | CH | AB   | MINUS |
| 11603 8479 1 | $1/2 \sqrt{2} \sqrt{\ln\left(\frac{-x-1}{x-1}\right) \ln\left(y + \sqrt{y^2-1}\right)}$                | TH | CH | W    | PLUS  |
| 11604 8480 1 | $1/2 \sqrt{2} \sqrt{\frac{1}{\ln(y+\sqrt{y^2-1})} \ln\left(\frac{-x-1}{x-1}\right)}$                   | TH | CH | W    | MINUS |
| 11605 8481 1 | $4 \frac{1}{\left(\ln(y+\sqrt{y^2-1})\right)^2} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$    | TH | CH | ABI  | PLUS  |
| 11606 8482 1 | $4 \left(\ln\left(y + \sqrt{y^2-1}\right)\right)^2 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$ | TH | CH | ABI  | MINUS |
| 11607 8483 1 | $1/8 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3 \left(\ln\left(y + \sqrt{y^2-1}\right)\right)^3$  | TH | CH | K    | PLUS  |
| 11608 8484 1 | $1/8 \frac{1}{\left(\ln(y+\sqrt{y^2-1})\right)^3} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3$     | TH | CH | K    | MINUS |

|              |   |    |    |    |       |
|--------------|---|----|----|----|-------|
| 11609 8485 1 | $8 \frac{1}{(\ln(y+\sqrt{y^2-1}))^3} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$   | TH | CH | KI | PLUS  |
| 11610 8486 1 | $8 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^3 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-3}$  | TH | CH | KI | MINUS |
| 11611 8487 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 \ln(y+\sqrt{y^2-1})}$   | TH | CH | LL | PLUS  |
| 11612 8488 1 | $\left( -\frac{x+1}{x-1} \right)^{1/2 (\ln(y+\sqrt{y^2-1}))^{-1}}$  | TH | CH | LL | MINUS |
| 11613 8489 1 | $LOG \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2-1} \right) \right)$  | TH | CH | L  | PLUS  |
| 11614 8490 1 | $LOG \left( 1/2 \frac{1}{\ln(y+\sqrt{y^2-1})} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | CH | L  | MINUS |
| 11615 8491 1 | $\arcsin \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2-1} \right) \right)$  | TH | CH | S  | PLUS  |
| 11616 8492 1 | $\arcsin \left( 1/2 \frac{1}{\ln(y+\sqrt{y^2-1})} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | CH | S  | MINUS |
| 11617 8493 1 | $\arctan \left( 1/2 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( y + \sqrt{y^2-1} \right) \right)$  | TH | CH | T  | PLUS  |
| 11618 8494 1 | $\arctan \left( 1/2 \frac{1}{\ln(y+\sqrt{y^2-1})} \ln \left( \frac{-x-1}{x-1} \right) \right)$  | TH | CH | T  | MINUS |
| 11619 8495 1 | $1/2 \sqrt{- \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^2}$ | TH | CH | P  | PLUS  |
| 11620 8496 1 | $1/2 \sqrt{\frac{1}{(\ln(y+\sqrt{y^2-1}))^2} \left( - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^2 \right)}$     | TH | CH | P  | MINUS |
| 11621 8497 1 | $1/2 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^2}$   | TH | CH | H  | PLUS  |
| 11622 8498 1 | $1/2 \sqrt{\frac{1}{(\ln(y+\sqrt{y^2-1}))^2} \left( \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 + 4 \left( \ln \left( y + \sqrt{y^2-1} \right) \right)^2 \right)}$       | TH | CH | H  | MINUS |
| 11623 8499 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2 \ln(y+\sqrt{y^2-1})} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2 \ln(y+\sqrt{y^2-1})}$  | TH | CH | SH | PLUS  |

|              |   |    |    |      |       |
|--------------|---|----|----|------|-------|
| 11624 8500 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \left( \ln(y + \sqrt{y^2-1}) \right)^{-1} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \left( \frac{\ln(y + \sqrt{y^2-1})}{\text{CH SH}} \right)^{-1}$   | TH | CH | SH   | MINUS |
| 11625 8501 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \ln(y + \sqrt{y^2-1}) + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{\ln(y + \sqrt{y^2-1})}{\text{TH CH}}$   | TH | CH |      | PLUS  |
| 11626 8502 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/2} \left( \ln(y + \sqrt{y^2-1}) \right)^{-1} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/2} \left( \frac{\ln(y + \sqrt{y^2-1})}{\text{CH CH}} \right)^{-1}$   | TH | CH | CH   | MINUS |
| 11627 8503 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \ln(y + \sqrt{y^2-1}) - \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{\ln(y + \sqrt{y^2-1})}{\text{TH CH}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \ln(y + \sqrt{y^2-1}) + \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{\ln(y + \sqrt{y^2-1})}{\text{TH CH}} \right)$   | TH | CH | TH   | PLUS  |
| 11628 8504 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \left( \ln(y + \sqrt{y^2-1}) \right)^{-1} - \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{\left( \ln(y + \sqrt{y^2-1}) \right)^{-1}}{\text{TH CH TH}} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/2} \left( \ln(y + \sqrt{y^2-1}) \right)^{-1} + \left( \frac{-x-1}{x-1} \right)^{-1/2} \frac{\left( \ln(y + \sqrt{y^2-1}) \right)^{-1}}{\text{TH CH TH}} \right)$ | TH | CH | TH   | MINUS |
| 11629 8505 1 | $1/4 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( \frac{-y-1}{y-1} \right)$   | TH | TH | CD   | PLUS  |
| 11630 8506 1 | $1 \ln \left( \frac{-x-1}{x-1} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | TH | TH | CD   | MINUS |
| 11631 8507 1 | $4 1 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | TH | TH | CDI  | PLUS  |
| 11632 8508 1 | $1 \ln \left( \frac{-y-1}{y-1} \right) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | TH | CDI  | MINUS |
| 11633 8509 1 | $1/4 \ln \left( \frac{-x-1}{x-1} \right) \ln \left( \frac{-y-1}{y-1} \right) \pi$   | TH | TH | CDF  | PLUS  |
| 11634 8510 1 | $\pi \ln \left( \frac{-x-1}{x-1} \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | TH | TH | CDF  | MINUS |
| 11635 8511 1 | $4 \frac{1}{\pi} \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1} \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}$   | TH | TH | CDIF | PLUS  |
| 11636 8512 1 | $\frac{1}{\pi} \ln \left( \frac{-y-1}{y-1} \right) \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^{-1}$   | TH | TH | CDIF | MINUS |
| 11637 8513 1 | $1/16 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2$  | TH | TH | AB   | PLUS  |
| 11638 8514 1 | $1 \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}$  | TH | TH | AB   | MINUS |
| 11639 8515 1 | $1/2 \sqrt{\ln \left( \frac{-x-1}{x-1} \right) \ln \left( \frac{-y-1}{y-1} \right)}$  | TH | TH | W    | PLUS  |



|              |  |    |    |     |       |
|--------------|--|----|----|-----|-------|
| 11640 8516 1 | $\sqrt{1 \ln\left(\frac{-x-1}{x-1}\right) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$                     | TH | TH | W   | MINUS |
| 11641 8517 1 | $16 1 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-2}$       | TH | TH | ABI | PLUS  |
| 11642 8518 1 | $1 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-2}$             | TH | TH | ABI | MINUS |
| 11643 8519 1 | $\frac{1}{64} \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3$     | TH | TH | K   | PLUS  |
| 11644 8520 1 | $1 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^3 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$             | TH | TH | K   | MINUS |
| 11645 8521 1 | $64 1 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-3} \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-3}$       | TH | TH | KI  | PLUS  |
| 11646 8522 1 | $1 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^3 \left(\ln\left(\frac{-x-1}{x-1}\right)\right)^{-3}$             | TH | TH | KI  | MINUS |
| 11647 8523 1 | $\left(-\frac{x+1}{x-1}\right)^{1/4 \ln\left(\frac{-y-1}{y-1}\right)}$   | TH | TH | LL  | PLUS  |
| 11648 8524 1 | $\left(-\frac{x+1}{x-1}\right)^{\left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}}$                               | TH | TH | LL  | MINUS |
| 11649 8525 1 | $LOG\left(1/4 \ln\left(\frac{-x-1}{x-1}\right) \ln\left(\frac{-y-1}{y-1}\right)\right)$                            | TH | TH | L   | PLUS  |
| 11650 8526 1 | $LOG\left(1 \ln\left(\frac{-x-1}{x-1}\right) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$            | TH | TH | L   | MINUS |
| 11651 8527 1 | $\arcsin\left(1/4 \ln\left(\frac{-x-1}{x-1}\right) \ln\left(\frac{-y-1}{y-1}\right)\right)$                        | TH | TH | S   | PLUS  |
| 11652 8528 1 | $\arcsin\left(1 \ln\left(\frac{-x-1}{x-1}\right) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$        | TH | TH | S   | MINUS |
| 11653 8529 1 | $\arctan\left(1/4 \ln\left(\frac{-x-1}{x-1}\right) \ln\left(\frac{-y-1}{y-1}\right)\right)$                        | TH | TH | T   | PLUS  |
| 11654 8530 1 | $\arctan\left(1 \ln\left(\frac{-x-1}{x-1}\right) \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^{-1}\right)$        | TH | TH | T   | MINUS |
| 11655 8531 1 | $1/4 \sqrt{-\left(\ln\left(\frac{-x-1}{x-1}\right)\right)^2 \left(\ln\left(\frac{-y-1}{y-1}\right)\right)^2 + 16}$ | TH | TH | P   | PLUS  |

|              |   |    |    |          |
|--------------|---|----|----|----------|
| 11656 8532 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 - \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$   | TH | P  | MINUS    |
| 11657 8533 1 | $1/4 \sqrt{\left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + 16}$   | TH | TH | H PLUS   |
| 11658 8534 1 | $\sqrt{1 \left( \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^2 + \left( \ln \left( \frac{-x-1}{x-1} \right) \right)^2 \right) \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-2}}$   | TH | H  | MINUS    |
| 11659 8535 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/4 \ln \left( \frac{-y-1}{y-1} \right)} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/4 \ln \left( \frac{-y-1}{y-1} \right)}$  | TH | SH | PLUS     |
| 11660 8536 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{\left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1/2 \left( \frac{-x-1}{x-1} \right)^{-\left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$  | TH | TH | SH MINUS |
| 11661 8537 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{1/4 \ln \left( \frac{-y-1}{y-1} \right)} + 1/2 \left( \frac{-x-1}{x-1} \right)^{-1/4 \ln \left( \frac{-y-1}{y-1} \right)}$  | TH | CH | PLUS     |
| 11662 8538 1 | $1/2 \left( \frac{-x-1}{x-1} \right)^{-\left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} + 1/2 \left( \frac{-x-1}{x-1} \right)^{\left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}}$  | TH | TH | CH MINUS |
| 11663 8539 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{1/4 \ln \left( \frac{-y-1}{y-1} \right)} - \left( \frac{-x-1}{x-1} \right)^{-1/4 \ln \left( \frac{-y-1}{y-1} \right)} \right) \left( \left( \frac{-x-1}{x-1} \right)^{1/4 \ln \left( \frac{-y-1}{y-1} \right)} \left( \frac{-x-1}{x-1} \right)^{-1/4 \ln \left( \frac{-y-1}{y-1} \right)} \right)$ | TH | TH | PLUS     |
| 11664 8540 1 | $1 \left( \left( \frac{-x-1}{x-1} \right)^{2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} - 1 \right) \left( \left( \frac{-x-1}{x-1} \right)^{2 \left( \ln \left( \frac{-y-1}{y-1} \right) \right)^{-1}} \right)^{-1}$  | TH | TH | MINUS    |