| Division | Manivelle Tours                      | Tours de | Divisions | ~        |
|----------|--------------------------------------|----------|-----------|----------|
| Voulu    | et Divisions                         | la Piece | Reels     | Ø        |
|          | $39 + \frac{10}{30} + \frac{26}{39}$ | 1        | Exact     | $\infty$ |
|          | $39 + \frac{10}{30} + \frac{28}{42}$ | 1        | Exact     | $\infty$ |
|          | $39 + \frac{12}{28} + \frac{24}{42}$ | 1        | Exact     | $\infty$ |
| 1        | $39 + \frac{15}{25} + \frac{12}{30}$ | 1        | Exact     | $\infty$ |
|          | $39 + \frac{16}{24} + \frac{10}{30}$ | 1        | Exact     | $\infty$ |
|          | $39 + \frac{16}{24} + \frac{13}{39}$ | 1        | Exact     | $\infty$ |
|          | 39 + 16/24 + 14/42                   | 1        | Exact     | $\infty$ |
|          | 19 + 20/30 + 13/39                   | 1        | Exact     | $\infty$ |
|          | 19 + 20/30 + 14/42                   | 1        | Exact     | $\infty$ |
| 2        | 19 + 20/28 + 12/42                   | 1        | Exact     | $\infty$ |
| 2        | 19 + 20/25 + 6/30                    | 1        | Exact     | $\infty$ |
|          | $19 + \frac{20}{24} + \frac{5}{30}$  | 1        | Exact     | $\infty$ |
|          | $19 + \frac{20}{24} + \frac{7}{42}$  | 1        | Exact     | $\infty$ |
|          | $12 + \frac{20}{30} + \frac{28}{42}$ | 1        | Exact     | $\infty$ |
|          | $12 + \frac{10}{28} + \frac{41}{42}$ | 1        | Exact     | $\infty$ |
| 3        | $12 + \frac{14}{24} + \frac{21}{28}$ | 1        | Exact     | $\infty$ |
|          | $12 + \frac{16}{24} + \frac{20}{30}$ | 1        | Exact     | $\infty$ |
|          | $12 + \frac{16}{24} + \frac{26}{39}$ | 1        | Exact     | $\infty$ |
|          | $9 + \frac{10}{30} + \frac{26}{39}$  | 1        | Exact     | $\infty$ |
| 4        | $9 + \frac{10}{30} + \frac{28}{42}$  | 1        | Exact     | $\infty$ |
| 4        | $9 + \frac{10}{28} + \frac{27}{42}$  | 1        | Exact     | $\infty$ |
|          | 9 + 10/25 + 18/30                    | 1        | Exact     | $\infty$ |
|          | 7 + 8/28 + 30/42                     | 1        | Exact     | $\infty$ |
| 5        | 7 + 8/24 + 20/30                     | 1        | Exact     | $\infty$ |
| 9        | 7 + 8/24 + 26/39                     | 1        | Exact     | $\infty$ |
|          | 7 + 8/24 + 28/42                     | 1        | Exact     | $\infty$ |
|          | $6 + \frac{10}{30} + \frac{14}{42}$  | 1        | Exact     | $\infty$ |
| 6        | $6 + \frac{18}{28} + \frac{1}{42}$   | 1        | Exact     | $\infty$ |
|          | $6 + \frac{8}{24} + \frac{10}{30}$   | 1        | Exact     | $\infty$ |
|          | $6 + \frac{9}{54} + \frac{29}{58}$   | 1        | Exact     | $\infty$ |
| 7        | $5 + \frac{16}{28} + \frac{6}{42}$   | 1        | Exact     | $\infty$ |
| '        | $4 + \frac{18}{24} + \frac{27}{28}$  | 1        | Exact     | $\infty$ |
| 8        | $4 + \frac{5}{30} + \frac{35}{42}$   | 1        | Exact     | $\infty$ |
| 0        | $4 + \frac{5}{25} + \frac{24}{30}$   | 1        | Exact     | $\infty$ |
|          | $8 + \frac{13}{47} + \frac{30}{49}$  | 2        | 9.000049  | 690      |
| 9        | $4 + \frac{20}{47} + \frac{1}{53}$   | 1        | 9.00009   | 373      |
|          | $8 + \frac{36}{47} + \frac{7}{57}$   | 2        | 9.000126  | 267      |
|          | $3 + \frac{4}{28} + \frac{36}{42}$   | 1        | Exact     | $\infty$ |
| 10       | 3 + 4/24 + 25/30                     | 1        | Exact     | $\infty$ |
|          | 3 + 4/24 + 35/42                     | 1        | Exact     | $\infty$ |
|          | 2 + 44/57 + 51/59                    | 1        | 11.00008  | 503      |
| 11       | 2 + 42/43 + 31/47                    | 1        | 11.00014  | 302      |
|          | 2 + 52/53 + 38/58                    | 1        | 11.00018  | 230      |
|          | $2 + \frac{20}{30} + \frac{28}{42}$  | 1        | Exact     | $\infty$ |
|          | $2 + \frac{10}{28} + \frac{41}{42}$  | 1        | Exact     | $\infty$ |
| 12       | $3 + \frac{4}{24} + \frac{5}{30}$    | 1        | Exact     | $\infty$ |
|          | $2 + \frac{20}{24} + \frac{21}{42}$  | 1        | Exact     | $\infty$ |
|          | $2 + \frac{45}{54} + \frac{31}{62}$  | 1        | Exact     | $\infty$ |
| •        | •                                    |          |           |          |

| Division | Manivelle Tours   | Tours de      | Divisions         |                      |
|----------|---|---------------|-------------------|----------------------|
| Voulu    | et Divisions  | la Piece      | Reels             | Ø                    |
| Voulu    | $2 + \frac{4}{43} + \frac{61}{62}$  | 1             | 13.00012          | 399                  |
| 13       | $6 + \frac{1}{57} + \frac{9}{66}$   | 2             | 12.99987          | $\frac{399}{375}$    |
| 10       | $5 + \frac{20}{49} + \frac{44}{59}$                                       | $\frac{2}{2}$ | 12.99983          |                      |
|          | $3 + \frac{25}{49} + \frac{44}{59}$<br>$2 + \frac{25}{30} + \frac{1}{42}$ | 1             | 12.99965<br>Exact | 288                  |
| 14       |   | 1             | Exact<br>Exact    | $\infty$             |
| 14       | 2 + 8/28 + 24/42  | 1             | l                 | $\infty$             |
|          | $2 + \frac{20}{24} + \frac{1}{42}$  | 1             | Exact             | $\infty$             |
|          | $2 + \frac{18}{28} + \frac{1}{42}$  | _             | Exact             | $\infty$             |
| 15       | $2 + \frac{5}{25} + \frac{14}{30}$  | 1             | Exact             | $\infty$             |
|          | 2 + 8/24 + 10/30  | 1             | Exact             | $\infty$             |
|          | 2 + 8/24 + 13/39  | 1             | Exact             | $\infty$             |
| 10       | $6 + \frac{18}{24} + \frac{21}{28}$                                       | 3             | Exact             | $\infty$             |
| 16       | 7 + 4/24 + 13/39  | 3             | Exact             | $\infty$             |
|          | 7 + 9/54 + 22/66  | 3             | Exact             | $\infty$             |
|          | 2 + 1/51 + 18/54  | 1             | Exact             | $\infty$             |
| 17       | $2 + \frac{1}{51} + \frac{19}{57}$  | 1             | Exact             | $\infty$             |
|          | $2 + \frac{1}{51} + \frac{22}{66}$  | 1             | Exact             | $\infty$             |
| 18       | $1 + \frac{39}{54} + \frac{33}{66}$                                       | 1             | Exact             | $\infty$             |
| 19       | $1 + \frac{25}{57} + \frac{44}{66}$                                       | 1             | Exact             | $\infty$             |
| 20       | $1 + \frac{2}{28} + \frac{39}{42}$  | 1             | Exact             | $\infty$             |
|          | $1 + \frac{20}{30} + \frac{10}{42}$                                       | 1             | Exact             | $\infty$             |
|          | $1 + \frac{2}{28} + \frac{25}{30}$  | 1             | Exact             | $\infty$             |
| 21       | $1 + \frac{24}{28} + \frac{2}{42}$  | 1             | Exact             | $\infty$             |
|          | 1 + 8/24 + 24/42  | 1             | Exact             | $\infty$             |
|          | $1 + \frac{28}{49} + \frac{22}{66}$                                       | 1             | Exact             | $\infty$             |
| 22       | 45/54 + 65/66   | 1             | Exact             | $\infty$             |
|          | $5 + \frac{1}{49} + \frac{13}{66}$  | 3             | 23.00006          | 1453                 |
| 23       | 4 + 10/43 + 65/66   | 3             | 22.99993          | 1275                 |
|          | 5 + 1/47 + 10/51  | 3             | 23.00016          | 538                  |
|          | 1 + 10/30 + 14/42   | 1             | Exact             | $\infty$             |
| 24       | $1 + \frac{14}{28} + \frac{7}{42}$  | 1             | Exact             | $\infty$             |
|          | 22/24 + 21/28   | 1             | Exact             | $\infty$             |
| 25       | 1 + 8/30 + 14/42  | 1             | Exact             | $\infty$             |
| 26       | 3 + 37/39 + 28/42   | 3             | Exact             | $\infty$             |
| 27       | 44/54 + 44/66   | 1             | Exact             | $\infty$             |
|          | 26/28 + 19/38   | 1             | Exact             | $\infty$             |
| 28       | $1 + \frac{4}{28} + \frac{12}{42}$  | 1             | Exact             | $\infty$             |
| 1        | 12/24 + 39/42   | 1             | Exact             | ∞                    |
|          | $2 + \frac{2}{2} + \frac{19}{28}$   | 2             | 29.00052          | 209                  |
| 29       | 19/34 + 32/39   | 1             | 28.99945          | 198                  |
| 20       | $2 + \frac{12}{53} + \frac{33}{62}$                                       | 2             | 28.99945          | 196                  |
|          | $\frac{2}{10/28 + 41/42}$   | 1             | Exact             | ∞                    |
|          | 15/25 + 22/30   | 1             | Exact<br>Exact    | $\infty$             |
| 30       | 14/24 + 21/28   | 1             | Exact             | $\infty$             |
|          | 16/24 + 21/28<br>16/24 + 20/30  | 1             | Exact<br>Exact    | $\infty$             |
| -        | $\frac{10/24 + 20/30}{23/54 + 51/59}$                                     | 1             | 30.99976          | $\frac{\infty}{477}$ |
| 31       | 1 + 41/53 + 46/57   | $\frac{1}{2}$ | 30.99976          | $\frac{477}{226}$    |
| 91       | $1 + \frac{41}{53} + \frac{40}{57}$<br>$2 + \frac{1}{47} + \frac{33}{59}$ | $\frac{2}{2}$ | 31.00051          | 207                  |
|          | 2 T 1/41 T 33/59  |               | 31.00030          | 201                  |

| D:       | M : 11 T   | m 1      | D              |          |
|----------|--|----------|----------------|----------|
| Division | Manivelle Tours  | Tours de | Divisions      | Ø        |
| Voulu    | et Divisions   | la Piece | Reels          |          |
|          | $1 + \frac{1}{28} + \frac{9}{42}$  | 1        | Exact          | $\infty$ |
| 32       | 14/24 + 20/30  | 1        | Exact          | $\infty$ |
|          | 18/24 + 17/34  | 1        | Exact          | $\infty$ |
| 33       | $4 + \frac{45}{54} + \frac{1}{66}$   | 4        | Exact          | $\infty$ |
| 34       | 26/51 + 44/66  | 1        | Exact          | $\infty$ |
|          | 5/30 + 41/42   | 1        | Exact          | $\infty$ |
| 35       | 20/28 + 18/42  | 1        | Exact          | $\infty$ |
|          | 4/24 + 41/42   | 1        | Exact          | $\infty$ |
|          | $5 + \frac{1}{43} + \frac{33}{62}$   | 5        | 36.00027       | 499      |
| 36       | $4 + \frac{27}{47} + \frac{52}{53}$  | 5        | 35.99971       | 466      |
|          | 7 + 45/59 + 1/66   | 7        | 35.9996        | 340      |
|          | 5/51 + 58/59   | 1        | 36.99969       | 450      |
| 37       | 1 + 3/47 + 1/58  | 1        | 37.00034       | 408      |
|          | 1 + 26/49 + 36/57  | 2        | 36.9995        | 279      |
| 38       | 2 + 18/54 + 47/57  | 3        | Exact          | $\infty$ |
|          | 10/30 + 27/39  | 1        | Exact          | $\infty$ |
| 39       | 16/24 + 14/39  | 1        | Exact          | $\infty$ |
| 40       | $8 + \frac{9}{54} + \frac{55}{66}$   | 9        | Exact          | $\infty$ |
| - 10     | $3 + \frac{27}{43} + \frac{14}{51}$  | 4        | 41.00023       | 657      |
| 41       | $2 + \frac{1}{34} + \frac{35}{39}$   | 3        | 40.99974       | 596      |
| -11      | $3 + \frac{1}{28} + \frac{26}{30}$   | 4        | 41.00061       | 251      |
|          | $\frac{10}{30} + \frac{26}{42}$  | 1        | Exact          | ∞        |
|          | 12/28 + 22/42  | 1        | Exact          | $\infty$ |
| 42       | $\frac{12/28 + 22/42}{22/24 + 1/28}$   | 1        | Exact          | $\infty$ |
| 42       | $\frac{16/24 + 1/28}{16/24 + 12/42}$   | 1        | Exact          |          |
|          | 14/49 + 44/66  | 1        | Exact<br>Exact | $\infty$ |
|          | , , ,  | 3        | 42.99975       | 648      |
| 43       | $ \begin{array}{r} 1 + \frac{34}{37} + \frac{34}{39} \\ 1 + \frac{2}{25} + \frac{32}{41} \end{array} $ | 2        | 42.99948       | 307      |
| 45       | ' ' ' ' '  | 3        | 43.00055       | 290      |
| 44       | $2 + \frac{38}{49} + \frac{1}{66}$   | 3        |                |          |
| 44       | $2 + \frac{18}{54} + \frac{26}{66}$  |          | Exact          | ∞        |
| 45       | $3 + \frac{1}{43} + \frac{33}{62}$   | 4        | 45.00053       | 319      |
| 45       | $2 + \frac{27}{47} + \frac{52}{53}$  | 4        | 44.99944       | 298      |
|          | 52/53 + 47/59  | 2        | 45.0009        | 187      |
| 4.0      | $2 + \frac{29}{30} + \frac{22}{43}$  | 4        | 45.99955       | 386      |
| 46       | $2 + \frac{32}{54} + \frac{1}{62}$   | 3        | 45.99954       | 376      |
|          | 40/47 + 1/54   | 1        | 45.99909       | 190      |
|          | $1 + \frac{37}{54} + \frac{1}{59}$   | 2        | 46.99982       | 954      |
| 47       | $1 + \frac{23}{34} + \frac{1}{39}$   | 2        | 47.00044       | 397      |
|          | $2 + \frac{29}{54} + \frac{1}{62}$   | 3        | 47.00047       | 376      |
|          | 5/30 + 28/42   | 1        | Exact          | $\infty$ |
| 48       | 20/25 + 1/30   | 1        | Exact          | $\infty$ |
|          | 8/24 + 19/38   | 1        | Exact          | $\infty$ |
|          | $1 + \frac{20}{43} + \frac{61}{62}$  | 3        | 48.99985       | 1198     |
| 49       | 28/43 + 53/54  | 2        | 49.00026       | 695      |
|          | 1/39 + 34/43   | 1        | 48.99927       | 251      |
| 50       | 4/30 + 28/42   | 1        | Exact          | $\infty$ |
| E 1      | $2 + \frac{5}{30} + \frac{33}{34}$   | 4        | Exact          | $\infty$ |
| 51       | 2 + 4/24 + 33/34   | 4        | Exact          | $\infty$ |
|          | ' '  |          |                |          |

| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | Division | Manivelle Tours                     | Tours de | Divisions |          |
|--|----------|-------------------------------------|----------|-----------|----------|
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | et Divisions                        | la Piece | Reels     | Ø        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | F.O.     | $1 + \frac{10}{30} + \frac{38}{39}$ | 3        | Exact     | $\infty$ |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$     | 52       |                                     | 3        |           |          |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$     |          |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 53       |                                     |          |           | 1        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          |                                     | 2        | 53.00078  | 254      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 54       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 55       | $1 + \frac{36}{54} + \frac{34}{66}$ | 3        |           | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | 2/28 + 27/42                        | 1        |           | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 57       |                                     | 4        |           | 1        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | $1 + \frac{4}{47} + \frac{61}{62}$  | 3        | 57.99967  | 655      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 58       | $2 + \frac{2}{25} + \frac{19}{28}$  |          | 58.00104  |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | 2 + 12/53 + 33/62                   | 4        | 57.9989   | 196      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          |                                     |          | 58.99975  | 888      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 59       | 1 + 1/58 + 21/62                    | 2        | 58.99918  | 269      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          |                                     |          | 58.99912  | 251      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 60       | 18/28 + 1/42                        | 1        | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 00       |                                     |          | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | $1 + \frac{1}{34} + \frac{11}{39}$  | 2        | 61.00058  | 397      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 61       |                                     | 2        | 61.00085  | 269      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$     |          | $1 + \frac{10}{43} + \frac{36}{49}$ | 3        | 60.99879  | 189      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | $3 + \frac{1}{53} + \frac{12}{58}$  | 5        | 62.00081  | 287      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 62       | 1 + 41/53 + 46/57                   | 4        | 62.00103  | 226      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | $2 + \frac{1}{47} + \frac{33}{59}$  | 4        | 62.00112  | 207      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | $1 + \frac{22}{39} + \frac{40}{41}$ | 4        | 62.99926  | 319      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 63       |                                     | 4        | 63.00106  | 221      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$     |          | 2 + 9/47 + 58/59                    | 5        | 63.00125  | 188      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$     | 64       | 3/24 + 21/42                        | 1        | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          |                                     |          | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 65       | 3 + 20/30 + 1/39                    |          | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | 3 + 16/24 + 1/39                    |          | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          |                                     |          | 66.0003   | 820      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 66       | 2 + 41/49 + 12/62                   |          | 66.00043  | 569      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   |          |                                     |          |           | 235      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    |          | $1 + \frac{23}{30} + \frac{1}{41}$  | 3        |           | 552      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 67       |                                     | 2        |           |          |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   |          |                                     | 3        |           | 290      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 68       | $1 + \frac{12}{24} + \frac{9}{34}$  | 3        | Exact     | $\infty$ |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   |          | $2 + \frac{16}{53} + \frac{1}{59}$  | 4        |           | 1874     |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$    | 69       | $1 + \frac{13}{38} + \frac{42}{43}$ | 4        |           |          |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   |          | $1 + \frac{16}{41} + \frac{39}{42}$ |          | 69.00075  | 344      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 70       | $1 + \frac{16}{28} + \frac{6}{42}$  |          |           | $\infty$ |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  | '0       | 18/24 + 27/28                       |          |           |          |
| 35/37 + 32/43 3 71.00037 715                             |          |                                     | 4        |           |          |
| 35/37 + 32/43 3 71.00037 715                             | 71       |                                     |          | 71.00028  |          |
| 72 $5 + \frac{24}{54} + \frac{38}{57}$ 11 Exact $\infty$ |          | 35/37 + 32/43                       |          |           | 715      |
|  | 72       | $5 + \frac{24}{54} + \frac{38}{57}$ | 11       | Exact     | $\infty$ |

| Division | Manivelle Tours  | Tours de      | Divisions |          |
|----------|--|---------------|-----------|----------|
| Voulu    | et Divisions   | la Piece      | Reels     | Ø        |
| Vouru    | $1 + \frac{3}{43} + \frac{31}{54}$   | 3             | 72.99974  | 1043     |
| 73       | $1 + \frac{3}{43} + \frac{3}{53}$<br>$1 + \frac{1}{49} + \frac{4}{53}$     | 2             | 73.0007   | 389      |
| 1.5      | 5/43 + 48/49   | $\frac{2}{2}$ | 73.0007   | 210      |
|          | $2 + \frac{1}{54} + \frac{39}{57}$   | 5             | 73.99928  | 384      |
| 74       | $1 + \frac{26}{43} + \frac{1}{59}$   | 3             | 74.00097  | 285      |
| 14       |  | 3<br>4        |           |          |
|          | $1 + \frac{26}{49} + \frac{36}{57}$  |               | 73.99901  | 279      |
|          | $\frac{1}{30} + \frac{17}{34}$   | 1             | Exact     | $\infty$ |
| 75       | $\frac{1}{30} + \frac{19}{38}$   | 1             | Exact     | $\infty$ |
| 75       | 1/30 + 21/42   | 1             | Exact     | $\infty$ |
|          | 14/28 + 1/30   | 1             | Exact     | $\infty$ |
|          | 12/24 + 1/30   | 1             | Exact     | $\infty$ |
|          | $\frac{1}{38} + \frac{21}{42}$   | 1             | Exact     | $\infty$ |
|          | 17/34 + 1/38   | 1             | Exact     | $\infty$ |
| 76       | 15/30 + 1/38   | 1             | Exact     | $\infty$ |
|          | 14/28 + 1/38   | 1             | Exact     | $\infty$ |
|          | 12/24 + 1/38   | 1             | Exact     | $\infty$ |
|          | $1 + \frac{37}{57} + \frac{55}{58}$  | 5             | 77.00012  | 2477     |
| 77       | $1 + \frac{29}{47} + \frac{50}{51}$  | 5             | 76.99968  | 898      |
|          | 5/34 + 33/37   | 2             | 77.00077  | 377      |
| 78       | $2 + \frac{10}{30} + \frac{9}{39}$   | 5             | Exact     | $\infty$ |
|          | $1 + \frac{2}{47} + \frac{57}{58}$   | 4             | 79.00018  | 1634     |
| 79       | 25/51 + 1/62   | 1             | 79.00062  | 473      |
|          | $1 + \frac{29}{43} + \frac{20}{57}$  | 4             | 79.00081  | 367      |
|          | 20/25 + 21/30  | 3             | Exact     | $\infty$ |
| 80       | 18/24 + 21/28  | 3             | Exact     | $\infty$ |
|          | 45/54 + 44/66  | 3             | Exact     | $\infty$ |
|          | 1 + 47/49 + 1/62   | 4             | 80.99983  | 1821     |
| 81       | 2 + 1/57 + 28/62   | 5             | 80.99931  | 441      |
|          | 1 + 24/41 + 38/43  | 5             | 81.00161  | 188      |
|          | $2 + \frac{18}{43} + \frac{1}{49}$   | 5             | 82.00039  | 789      |
| 82       | $1 + \frac{26}{58} + \frac{1}{66}$   | 3             | 81.99929  | 430      |
|          | $1 + \frac{29}{51} + \frac{47}{54}$  | 5             | 82.00089  | 343      |
|          | $3 + \frac{1}{57} + \frac{21}{59}$   | 7             | 83.00044  | 705      |
| 83       | $2 + \frac{38}{41} + \frac{39}{42}$  | 8             | 83.00045  | 688      |
|          | $2 + \frac{41}{47} + \frac{58}{59}$  | 8             | 83.00065  | 474      |
|          | $2 + \frac{10}{30} + \frac{2}{42}$   | 5             | Exact     | $\infty$ |
|          | $1 + \frac{16}{28} + \frac{34}{42}$  | 5             | Exact     | $\infty$ |
| 84       | $1 + \frac{10}{28} + \frac{37}{42}$<br>$1 + \frac{10}{24} + \frac{27}{28}$ | 5             | Exact     | $\infty$ |
|          | 2 + 4/24 + 9/42  | 5             | Exact     | $\infty$ |
| 85       | $2 + \frac{7}{24} + \frac{5}{42}$<br>$2 + \frac{8}{51} + \frac{38}{57}$    | 6             | Exact     | $\infty$ |
| 00       | $1 + \frac{34}{37} + \frac{34}{39}$  | 6             | 85.9995   | 648      |
| 86       | 1 + 34/37 + 34/39<br>1 + 2/25 + 32/41                                      | 4             | 85.99895  | 307      |
| 30       | $1 + \frac{2}{25} + \frac{32}{41}$<br>$2 + \frac{38}{49} + \frac{1}{66}$   | 6             | 86.00111  | 290      |
| 87       |  | 5             |           |          |
|          | $1 + \frac{19}{57} + \frac{56}{58}$  | -             | Exact     | $\infty$ |
| 88       | 36/54 + 46/66  | 3             | Exact     | ∞        |
| 00       | 38/43 + 1/66   | 2             | 89.00039  | 850      |
| 89       | $1 + \frac{1}{24} + \frac{31}{41}$   | 4             | 88.99943  | 589      |
|          | 29/51 + 46/59  | 3             | 89.00173  | 193      |

| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | D        | M : 11 m                            | - T      | D         |          |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | Voulu    |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          | 90.00105  | 319      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 90       | $2 + \frac{27}{47} + \frac{52}{53}$ | 8        | 89.99887  | 298      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |          | 52/53 + 47/59                       |          | 90.0018   | 187      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | 91       | 24/28 + 18/39                       | 3        | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | $2 + \frac{32}{54} + \frac{1}{62}$  | 6        | 91.99908  | 376      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 92       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 02       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 93       | 1 + 9/54 + 61/62                    |          |           | -        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | - 00     |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 9.4      |                                     | 3        |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 34       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 05       |                                     |          |           |          |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |          |                                     |          |           |          |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | 90       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 0.7      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 97       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 98       |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 99       |                                     |          |           | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          |           | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 100      | $1 + \frac{1}{30} + \frac{7}{42}$   |          | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | 12/24 + 21/30                       |          | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | $1 + \frac{52}{54} + \frac{1}{58}$  |          | 100.9997  | 1173     |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 101      | $1 + \frac{2}{49} + \frac{62}{66}$  | 5        | 100.9994  | 605      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          | 101.0008  | 461      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 109      | $2 + \frac{14}{34} + \frac{14}{42}$ | 7        | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 102      | $2 + \frac{4}{51} + \frac{38}{57}$  | 7        | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | $1 + \frac{23}{43} + \frac{1}{54}$  | 4        | 102.9997  | 1391     |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 103      | 32/51 + 50/54                       | 4        | 103.0014  | 275      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | 1 + 7/47 + 1/62                     |          | 102.9985  | 262      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | $1 + \frac{5}{54} + \frac{49}{59}$  | 5        | 103.9987  | 298      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 104      |                                     |          | 104.0013  | 291      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | 1 + 31/47 + 35/54                   | 6        | 103.9986  | 285      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 105      | 10/28 + 1/42                        | 1        | Exact     | $\infty$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          | , . ,                               | 5        |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 106      |                                     |          |           | -        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          |           | -        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |          |                                     |          |           | -        |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 107      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 101      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 108      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 100      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 100      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 109      |                                     |          |           |          |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 110      |                                     |          |           |          |
| 111 $\begin{vmatrix} 1/37 + 14/42 \\ 10/30 + 1/37 \end{vmatrix}$ 1 $\begin{vmatrix} Exact \\ Exact \end{vmatrix} \propto \infty$ | 110      | 1/05 + 13/06                        |          |           |          |
| 111 $10/30 + 1/37$ 1 Exact $\infty$  |          |                                     |          |           |          |
|  | 111      |                                     |          |           |          |
| $0/24 + 1/37$ 1 Exact $\infty$   |          | , , ,                               |          |           |          |
|  |          | 0/24 + 1/37                         | 1        | Exact     | $\infty$ |

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| Voulu    | et Divisions   | la Piece | Reels     | Ø        |
|          | 13/39 + 1/42   | 1        | Exact     | $\infty$ |
| 112      | 10/30 + 1/42   | 1        | Exact     | $\infty$ |
|          | 8/24 + 1/42  | 1        | Exact     | $\infty$ |
|          | $1 + \frac{1}{38} + \frac{29}{39}$   | 5        | 113.0004  | 1110     |
| 113      | 26/47 + 44/51  | 4        | 112.9994  | 718      |
| 110      | 8/54 + 53/58   | 3        | 113.0006  | 704      |
|          | $\frac{1}{57} + \frac{22}{66}$   | 1        | Exact     | ∞        |
| 114      | 18/54 + 1/57   | 1        | Exact     | $\infty$ |
| 111      | 17/51 + 1/57   | 1        | Exact     | ∞        |
|          | 23/47 + 46/51  | 4        | 114.9985  | 287      |
| 115      | 22/54 + 61/62  | 4        | 115.0021  | 200      |
| 110      | $2 + \frac{1}{28} + \frac{2}{39}$  | 6        | 114.9978  | 196      |
|          | 1 + 4/47 + 61/62   | 6        | 115.9993  | 655      |
| 116      | 1 + 1/57 + 1/59  | 3        | 115.9989  | 377      |
| 110      | $1 + \frac{1}{49} + \frac{38}{54}$   | 5        | 116.0018  | 247      |
|          | $1 + \frac{17}{25} + \frac{1}{34}$   | 5        | 116.9993  | 636      |
| 117      | $1 + \frac{3}{43} + \frac{53}{54}$   | 6        | 117.0019  | 231      |
| 111      | $1 + \frac{35}{43} + \frac{14}{59}$  | 6        | 117.0013  | 190      |
|          | $1 + \frac{29}{38} + \frac{37}{39}$  | 8        | 117.9995  | 888      |
| 118      | $1 + \frac{1}{58} + \frac{3}{59}$  | 4        | 117.9984  | 269      |
| 110      | $2 + \frac{19}{28} + \frac{1}{30}$   | 8        | 117.9982  | 251      |
|          | $\frac{2+3728+730}{1/34+27/42}$  | 2        | Exact     | ∞        |
| 119      | $\frac{1/34 + 21/42}{18/28 + 1/34}$  | 2        | Exact     | $\infty$ |
|          | $1 + \frac{14}{28} + \frac{25}{30}$  | 7        | Exact     | $\infty$ |
| 120      | $1 + \frac{11}{28} + \frac{25}{30}$<br>$1 + \frac{14}{28} + \frac{35}{42}$ | 7        | Exact     | $\infty$ |
| 120      | $1 + \frac{20}{25} + \frac{3}{42}$<br>$1 + \frac{20}{25} + \frac{16}{30}$  | 7        | Exact     | $\infty$ |
|          | $1 + \frac{1}{43} + \frac{34}{54}$   | 5        | 121.0005  | 869      |
| 121      | $1 + \frac{1}{43} + \frac{3}{59}$<br>$1 + \frac{1}{58} + \frac{18}{59}$    | 4        | 120.9989  | 410      |
| 121      | 42/47 + 41/54  | 5        | 121.0012  | 380      |
|          | $1 + \frac{10}{43} + \frac{24}{59}$  | 5        | 122.0005  | 950      |
| 122      | $1 + \frac{1}{34} + \frac{1}{39}$  | 4        | 122.0003  | 397      |
| 122      | 19/58 + 61/62  | 4        | 122.0012  | 269      |
|          | $\frac{22}{49} + \frac{46}{54}$  | 4        | 122.9983  | 264      |
| 123      | $1 + \frac{6}{47} + \frac{42}{51}$   | 6        | 123.0019  | 239      |
| 125      | 46/54 + 48/62  | 5        | 122.9978  | 209      |
|          | $1 + \frac{13}{47} + \frac{53}{54}$  | 7        | 123.9993  | 665      |
| 124      | $1 + \frac{21}{37} + \frac{29}{42}$  | 7        | 124.0011  | 407      |
| 124      | $1 + \frac{41}{53} + \frac{46}{57}$  | 8        | 124.0011  | 226      |
| 125      | $\frac{1}{1/25} + \frac{18}{30}$   | 2        | Exact     | ∞        |
| 120      | $1 + \frac{1}{38} + \frac{23}{41}$   | 5        | 126.0008  | 583      |
| 126      | $1 + \frac{1}{38} + \frac{20}{41}$<br>$1 + \frac{1}{47} + \frac{30}{53}$   | 5        | 125.999   | 466      |
| 120      | . , , , ,  | 5        | 125.999   | 336      |
|          | $\begin{array}{r} 35/58 + 61/62 \\ 2 + 30/37 + 1/42 \end{array}$           | 9        | 125.9980  | 419      |
| 127      | $2 + \frac{30}{37} + \frac{1}{42}$<br>$1 + \frac{46}{54} + \frac{57}{58}$  | 9        | 127.0011  | 301      |
| 121      | $1 + \frac{40}{54} + \frac{57}{58}$<br>$39/43 + \frac{57}{58}$             | 6        | 127.0010  | 249      |
|          | , , ,  | 9        | 128.0019  | 249      |
| 128      | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$                     | 9        | 128.0016  | 294      |
| 120      | $\begin{vmatrix} 2 + 17/49 + 27/58 \\ 1 + 39/47 + 57/58 \end{vmatrix}$     | 9        | 128.002   | 239      |
| 129      | $\frac{1+39/47+37/58}{39/43+22/66}$  | 4        | Exact     | 229<br>∞ |
| 129      | 00/43 + 22/00  | 4        | Блисі     |          |

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|          | $1 + \frac{26}{51} + \frac{38}{59}$ | 7        | 129.9985  | 315      |
| 130      | $2 + \frac{12}{43} + \frac{25}{51}$ | 9        | 129.9984  | 295      |
|          | $1 + \frac{53}{59} + \frac{54}{62}$ | 9        | 129.998   | 246      |
|          | 22/59 + 56/66                       | 4        | 131.0008  | 583      |
| 131      | 12/34 + 33/38                       | 4        | 131.0013  | 387      |
|          | 1/47 + 51/57                        | 3        | 131.0024  | 200      |
|          | $1 + \frac{31}{62} + \frac{1}{66}$  | 5        | Exact     | $\infty$ |
| 132      | $1 + \frac{29}{58} + \frac{1}{66}$  | 5        | Exact     | $\infty$ |
|          | $1 + \frac{27}{54} + \frac{1}{66}$  | 5        | Exact     | $\infty$ |
|          | 55/62 + 1/66                        | 3        | 133.0011  | 459      |
| 133      | 1 + 8/43 + 1/59                     | 4        | 133.0013  | 380      |
|          | 38/43 + 1/54                        | 3        | 133.0024  | 208      |
|          | $1 + \frac{1}{53} + \frac{27}{57}$  | 5        | 133.9987  | 377      |
| 134      | 1 + 9/51 + 1/57                     | 4        | 134.0017  | 290      |
|          | 26/51 + 57/58                       | 5        | 133.9977  | 221      |
| 135      | $1 + \frac{1}{54} + \frac{11}{66}$  | 4        | Exact     | $\infty$ |
|          | 15/30 + 33/34                       | 5        | Exact     | $\infty$ |
| 136      | 14/28 + 33/34                       | 5        | Exact     | $\infty$ |
|          | 12/24 + 33/34                       | 5        | Exact     | $\infty$ |
|          | $1 + \frac{8}{53} + \frac{1}{59}$   | 4        | 136.9989  | 468      |
| 137      | $1 + \frac{1}{47} + \frac{25}{57}$  | 5        | 136.9982  | 286      |
|          | $1 + \frac{10}{43} + \frac{15}{66}$ | 5        | 137.0022  | 236      |
|          | $2 + \frac{16}{53} + \frac{1}{59}$  | 8        | 138.0003  | 1874     |
| 138      | $1 + \frac{13}{38} + \frac{42}{43}$ | 8        | 137.9995  | 979      |
|          | $1 + \frac{2}{43} + \frac{56}{57}$  | 7        | 138.0012  | 428      |
|          | 34/43 + 35/54                       | 5        | 139.0003  | 1739     |
| 139      | 11/54 + 54/57                       | 4        | 139.0008  | 615      |
|          | 16/49 + 47/57                       | 4        | 138.9984  | 334      |
| 140      | 6/24 + 1/28                         | 1        | Exact     | $\infty$ |
|          | 35/53 + 47/62                       | 5        | 140.9998  | 2462     |
| 141      | 11/54 + 54/58                       | 4        | 141.0017  | 312      |
|          | 1 + 7/59 + 1/62                     | 4        | 140.9974  | 199      |
|          | 35/37 + 32/43                       | 6        | 142.0007  | 715      |
| 142      | 14/53 + 1/57                        | 1        | 141.9976  | 226      |
|          | $1 + \frac{15}{39} + \frac{1}{42}$  | 5        | 142.0026  | 204      |
|          | 2/47 + 47/59                        | 3        | 142.9996  | 1246     |
| 143      | 16/54 + 51/62                       | 4        | 143.0005  | 1003     |
|          | 21/24 + 10/41                       | 4        | 142.9973  | 196      |
| 144      | $2 + \frac{39}{54} + \frac{22}{66}$ | 11       | Exact     | $\infty$ |
|          | $1 + \frac{43}{47} + \frac{1}{62}$  | 7        | 145.0009  | 611      |
| 145      | $1 + \frac{48}{49} + \frac{15}{66}$ | 8        | 145.0021  | 258      |
|          | $2 + \frac{1}{43} + \frac{9}{49}$   | 8        | 144.9978  | 252      |
|          | $1 + \frac{1}{49} + \frac{4}{53}$   | 4        | 146.0014  | 389      |
| 146      | 26/53 + 51/58                       | 5        | 145.9986  | 383      |
|          | 5/43 + 48/49                        | 4        | 146.0026  | 210      |
|          | 1 + 20/43 + 61/62                   | 9        | 146.9995  | 1198     |
| 147      | 28/43 + 53/54                       | 6        | 147.0008  | 695      |
|          | $1 + \frac{11}{57} + \frac{61}{62}$ | 8        | 147.0012  | 470      |
|          |                                     |          |           |          |

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|          | $1 + \frac{21}{43} + \frac{23}{57}$                                      | 7             | 148.0009  | 642               |
| 148      | $1 + \frac{26}{43} + \frac{1}{59}$                                       | 6             | 148.0019  | 285               |
|          | $1 + \frac{26}{49} + \frac{36}{57}$                                      | 8             | 147.998   | 279               |
|          | 11/30 + 40/41  | 5             | 149.0006  | 921               |
| 149      | 24/59 + 58/62  | 5             | 149.002   | 274               |
|          | 3/28 + 29/30   | 4             | 149.0022  | 251               |
|          | $1 + \frac{11}{30} + \frac{19}{38}$                                      | 7             | Exact     | $\infty$          |
| 150      | $1 + \frac{1}{30} + \frac{35}{42}$                                       | 7             | Exact     | $\infty$          |
|          | 1 + 8/24 + 16/30   | 7             | Exact     | $\infty$          |
|          | $1 + \frac{14}{25} + \frac{1}{34}$                                       | 6             | 150.9993  | 764               |
| 151      | 1 + 41/49 + 1/57   | 7             | 151.0021  | 266               |
|          | $1 + \frac{1}{49} + \frac{33}{58}$                                       | 6             | 151.0029  | 196               |
| 150      | 18/54 + 56/57  | 5             | Exact     | $\infty$          |
| 152      | 17/51 + 56/57  | 5             | Exact     | $\infty$          |
| 153      | 48/51 + 48/54  | 7             | Exact     | $\infty$          |
|          | $\frac{5}{34} + \frac{33}{37}$   | 4             | 154.0015  | 377               |
| 154      | 17/54 + 61/62  | 5             | 154.0018  | 313               |
| 101      | 12/37 + 38/39  | 5             | 154.0021  | 270               |
|          | $\frac{1}{62} + \frac{33}{66}$   | 2             | Exact     | ∞                 |
| 155      | $\frac{29}{58} + \frac{1}{62}$   | $\frac{2}{2}$ | Exact     | $\infty$          |
| 155      | 27/54 + 1/62   | $\frac{2}{2}$ | Exact     | ∞                 |
| 156      | $\frac{20}{30} + \frac{24}{39}$  | 5             | Exact     |                   |
| 100      | / ' /  | 6             | 156.999   | ∞<br>co7          |
| 157      | $1 + \frac{26}{51} + \frac{1}{53}$                                       |               |           | 607               |
| 157      | $\frac{29}{53} + \frac{53}{54}$  | 6             | 157.0011  | 514               |
|          | $\frac{2}{30} + \frac{30}{43}$   | 3             | 156.998   | 289               |
| 150      | $1 + \frac{2}{47} + \frac{57}{58}$                                       | 8             | 158.0004  | 1634              |
| 158      | $1 + \frac{29}{43} + \frac{20}{57}$                                      | 8             | 158.0016  | 367               |
|          | 1 + 8/54 + 50/57   | 8             | 157.9981  | 307               |
|          | 1/28 + 33/34   | 4             | 158.9979  | 285               |
| 159      | 1/30 + 36/37   | 4             | 158.9973  | 221               |
|          | 1/43 + 58/59   | 4             | 158.9973  | 217               |
| 160      | 1/28 + 9/42  | 1             | Exact     | $\infty$          |
|          | 1 + 1/47 + 23/49   | 6             | 161.002   | 295               |
| 161      | $1 + \frac{28}{59} + \frac{1}{62}$                                       | 6             | 160.9976  | 253               |
|          | 16/34 + 1/38   | 2             | 160.9969  | 193               |
|          | 1 + 47/49 + 1/62   | 8             | 161.9997  | 1821              |
| 162      | $2 + \frac{1}{57} + \frac{28}{62}$                                       | 10            | 161.9986  | 441               |
|          | $1 + \frac{11}{51} + \frac{1}{53}$                                       | 5             | 162.0018  | 337               |
|          | 27/53 + 52/54  | 6             | 162.9995  | 1286              |
| 163      | 23/24 + 1/43   | 4             | 163.001   | 618               |
|          | 23/47 + 58/59  | 6             | 162.9978  | 277               |
|          | $1 + \frac{12}{59} + \frac{1}{62}$                                       | 5             | 163.9991  | 685               |
| 164      | $1 + \frac{26}{58} + \frac{1}{66}$                                       | 6             | 163.9986  | 430               |
|          | $1 + \frac{2}{25} + \frac{6}{43}$  | 5             | 163.9969  | 201               |
|          | $1 + \frac{32}{47} + \frac{1}{62}$                                       | 7             | 164.999   | 611               |
| 165      | 48/57 + 53/62  | 7             | 165.0025  | $\frac{311}{247}$ |
| 100      | 2 + 8/49 + 1/54  | 9             | 165.0026  | 237               |
| <u> </u> | $1 + \frac{10}{53} + \frac{1}{62}$                                       | 5             | 166.0015  | 410               |
| 166      | $1 + \frac{13}{53} + \frac{1}{62}$<br>$1 + \frac{11}{58} + \frac{1}{66}$ | 5             | 166.0017  | 358               |
| 100      | $\frac{1+17/38+1766}{31/43+30/62}$                                       | 5             | 166.0025  | 249               |
|          | -743 T 00/02   |               | 100.0020  | 443               |

| Division | Manivelle Tours  | Tours de | Divisions |          |
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| Voulu    | et Divisions   | la Piece | Reels     | Ø        |
| Vouru    | 10/47 + 65/66  | 5        | 166.9987  | 464      |
| 167      | $\frac{1}{25} + \frac{19}{28}$   | 3        | 166.998   | 314      |
| 107      |  | 3<br>4   |           | 243      |
| 1.00     | $\frac{21}{43} + \frac{31}{66}$  |          | 167.0026  |          |
| 168      | 6/28 + 1/42  | 1        | Exact     | ∞        |
| 100      | $\frac{1}{49} + \frac{40}{58}$   | 3        | 168.999   | 638      |
| 169      | 41/59 + 1/66   | 3        | 168.9982  | 350      |
|          | $\frac{26}{57} + \frac{1}{58}$   | 2        | 168.9968  | 198      |
| 170      | $1 + \frac{21}{34} + \frac{21}{42}$                                      | 9        | Exact     | $\infty$ |
| 171      | 12/54 + 54/57  | 5        | Exact     | $\infty$ |
|          | $1 + \frac{2}{25} + \frac{32}{41}$                                       | 8        | 171.9979  | 307      |
| 172      | $1 + \frac{1}{30} + \frac{22}{37}$                                       | 7        | 171.9978  | 291      |
|          | 38/59 + 61/62  | 7        | 171.9966  | 191      |
|          | $1 + \frac{1}{53} + \frac{21}{57}$                                       | 6        | 172.9993  | 905      |
| 173      | 14/49 + 47/54  | 5        | 172.9977  | 283      |
|          | 19/47 + 58/59  | 6        | 172.9971  | 226      |
| 174      | 9/54 + 57/58   | 5        | Exact     | $\infty$ |
| 175      | 13/30 + 1/42   | 2        | Exact     | $\infty$ |
|          | 38/57 + 1/66   | 3        | Exact     | $\infty$ |
| 176      | 36/54 + 1/66   | 3        | Exact     | $\infty$ |
|          | 34/51 + 1/66   | 3        | Exact     | $\infty$ |
|          | 18/53 + 49/62  | 5        | 176.9997  | 2462     |
| 177      | 1 + 1/58 + 21/62   | 6        | 176.9975  | 269      |
|          | $1 + \frac{1}{42} + \frac{24}{43}$                                       | 7        | 176.9968  | 210      |
|          | 38/43 + 1/66   | 4        | 178.0008  | 850      |
| 178      | $1 + \frac{1}{57} + \frac{7}{66}$  | 5        | 177.9986  | 469      |
|          | 1/25 + 26/41   | 3        | 178.0029  | 230      |
|          | 21/59 + 65/66  | 6        | 179.0002  | 3501     |
| 179      | $\frac{1}{53} + \frac{43}{66}$   | 3        | 179.0021  | 314      |
| 1.0      | 1/47 + 37/57   | 3        | 178.9978  | 301      |
| 180      | 48/54 + 44/66  | 7        | Exact     | $\infty$ |
| 100      | 10/59 + 58/62  | 5        | 180.9995  | 1370     |
| 181      | $1 + \frac{27}{51} + \frac{1}{57}$                                       | 7        | 181.0007  | 1016     |
| 101      | 16/25 + 39/43  | 7        | 180.9982  | 375      |
|          | $1 + \frac{7}{24} + \frac{1}{37}$  | 6        | 181.9983  | 399      |
| 182      | 38/49 + 57/58  | 8        | 181.9972  | 243      |
| 102      | 16/57 + 54/66  | 5        | 182.0029  | 234      |
|          | $\frac{1}{43} + \frac{40}{47}$   | 4        | 182.9994  | 1211     |
| 183      | $1 + \frac{1}{34} + \frac{11}{39}$                                       | 6        | 183.0017  | 397      |
| 100      | $\frac{19}{58} + \frac{61}{62}$  | 6        | 183.0025  | 269      |
|          | $1 + \frac{22}{54} + \frac{61}{62}$                                      | 11       | 184.002   | 344      |
| 184      | $1 + \frac{1}{38} + \frac{31}{62}$<br>$1 + \frac{1}{38} + \frac{40}{43}$ | 9        | 183.9975  | 275      |
| 104      | $1 + \frac{1}{38} + \frac{40}{43}$<br>$1 + \frac{9}{47} + \frac{56}{57}$ | 10       | 183.9973  | 250      |
|          | $1 + \frac{5}{47} + \frac{5}{57}$<br>$1 + \frac{53}{57} + \frac{1}{62}$  | 9        | 184.9993  | 953      |
| 185      | $1 + \frac{3}{57} + \frac{1}{62}$<br>$1 + \frac{1}{38} + \frac{19}{39}$  | 9<br>7   | 184.9993  | 310      |
| 100      | $\frac{1+1/38+19/39}{1/51+39/62}$  | 3        | 185.0024  | 284      |
|          | $\frac{1}{51} + \frac{39}{62}$<br>$1 + \frac{5}{47} + \frac{35}{57}$     | 8        | 186.0013  | 535      |
| 186      | $1 + \frac{3}{47} + \frac{35}{57}$<br>$20/43 + \frac{36}{59}$            | 8<br>5   | 185.0013  | 237      |
| 100      | $1 + \frac{25}{51} + \frac{1}{66}$                                       | 5<br>7   | 186.0036  | 196      |
| 187      | $\frac{1+25/51+1/66}{5/51+50/66}$  | 4        | Exact     | ∞        |
| 101      | 2) 51 ± 20/00  | 4        | Dauci     |          |

| Division | Manivelle Tours  | Tours de | Divisions |          |
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| Voulu    | et Divisions   | la Piece | Reels     | Ø        |
| Vouru    | $1 + \frac{1}{54} + \frac{16}{62}$                                       | 6        | 188.0019  | 376      |
| 188      | 3/34 + 40/41   | 5        | 187.9973  | 261      |
| 100      | $1 + \frac{1}{30} + \frac{9}{37}$  | 6        | 188.0028  | 249      |
|          | $1 + \frac{1}{30} + \frac{5}{31}$<br>$1 + \frac{40}{59} + \frac{1}{66}$  | 8        | 189.0005  | 1556     |
| 100      | $\frac{1+40/59+1/66}{5/37+36/39}$  | 5        | 188.998   | 360      |
| 189      |  | 4        |           |          |
|          | $\frac{1}{24} + \frac{33}{41}$   |          | 189.0036  | 196      |
|          | $\frac{17}{34} + \frac{37}{38}$  | 7        | Exact     | $\infty$ |
| 190      | $\frac{15}{30} + \frac{37}{38}$  | 7        | Exact     | $\infty$ |
|          | 14/28 + 37/38  | 7        | Exact     | $\infty$ |
|          | 12/24 + 37/38  | 7        | Exact     | $\infty$ |
|          | $1 + \frac{14}{58} + \frac{1}{66}$                                       | 6        | 191.0021  | 344      |
| 191      | 31/49 + 45/54  | 7        | 190.9977  | 308      |
|          | 1 + 9/47 + 30/62   | 8        | 191.0037  | 194      |
| 192      | 1/24 + 5/30  | 1        | Exact     | $\infty$ |
| 132      | 1/24 + 7/42  | 1        | Exact     | $\infty$ |
|          | 4/57 + 57/59   | 5        | 192.9986  | 503      |
| 193      | $1 + \frac{1}{47} + \frac{12}{54}$                                       | 6        | 193.0038  | 190      |
|          | $1 + \frac{2}{53} + \frac{48}{58}$                                       | 9        | 192.9962  | 188      |
|          | $1 + \frac{4}{59} + \frac{52}{66}$                                       | 9        | 193.9994  | 1312     |
| 194      | $1 + \frac{1}{59} + \frac{52}{62}$                                       | 9        | 194.0012  | 616      |
|          | $1 + \frac{34}{58} + \frac{45}{66}$                                      | 11       | 194.0014  | 525      |
| 195      | 8/24 + 19/39   | 4        | Exact     | $\infty$ |
|          | $1 + \frac{11}{53} + \frac{1}{59}$                                       | 6        | 195.999   | 702      |
| 196      | $\frac{28}{43} + \frac{53}{54}$  | 8        | 196.0011  | 695      |
| 130      | $1 + \frac{1}{54} + \frac{54}{66}$                                       | 9        | 196.0037  | 200      |
|          | 18/34 + 33/37  | 7        | 197.0022  | 329      |
| 197      | $1 + \frac{18}{30} + \frac{1}{41}$                                       | 8        | 196.997   | 245      |
| 131      | $1 + \frac{15}{30} + \frac{1}{41}$<br>$1 + \frac{15}{25} + \frac{1}{41}$ | 8        | 196.997   | 245      |
|          |  | 8        | 198.0011  | 690      |
| 100      | $1 + \frac{28}{47} + \frac{1}{49}$                                       |          |           |          |
| 198      | 15/34 + 36/37  | 7        | 197.9989  | 659      |
|          | $\frac{22}{51} + \frac{57}{58}$  | 7        | 198.0014  | 517      |
|          | 1/34 + 40/41   | 5        | 199.0007  | 1044     |
| 199      | $1 + \frac{1}{51} + \frac{11}{59}$                                       | 6        | 198.997   | 245      |
|          | 1/62 + 52/66   | 4        | 199.003   | 245      |
| 200      | 1/30 + 7/42  | 1        | Exact     | $\infty$ |
| 200      | 4/24 + 1/30  | 1        | Exact     | $\infty$ |
|          | $1 + \frac{1}{24} + \frac{13}{37}$                                       | 7        | 201.0024  | 310      |
| 201      | $1 + \frac{9}{51} + \frac{1}{57}$  | 6        | 201.0026  | 290      |
|          | 20/49 + 65/66  | 7        | 201.0033  | 226      |
|          | 1/49 + 64/66   | 5        | 201.9988  | 605      |
| 202      | 13/54 + 54/57  | 6        | 202.0016  | 461      |
|          | 14/34 + 38/39  | 7        | 202.0022  | 347      |
|          | $\frac{1}{37} + \frac{22}{39}$   | 3        | 203.0012  | 648      |
| 203      | 48/49 + 37/62  | 8        | 202.9985  | 520      |
|          | 1/38 + 7/41  | 1        | 202.9967  | 233      |
|          | $\frac{1}{34} + \frac{7}{42}$  | 1        | Exact     | ∞        |
| 204      | 5/30 + 1/34  | 1        | Exact     | $\infty$ |
| 201      | 4/24 + 1/34  | 1        | Exact     | $\infty$ |
| L        | /24   /04  |          | Luace     |          |

| D        | M : 11 / 12                         |          | D         |                   |
|----------|-------------------------------------|----------|-----------|-------------------|
| Division | Manivelle Tours                     | Tours de | Divisions | ø                 |
| Voulu    | et Divisions                        | la Piece | Reels     |                   |
|          | 25/43 + 48/49                       | 8        | 204.9985  | 505               |
| 205      | $1 + \frac{3}{43} + \frac{28}{57}$  | 8        | 204.9974  | 293               |
|          | 11/28 + 36/37                       | 7        | 205.0035  | 217               |
|          | $1 + \frac{1}{51} + \frac{18}{53}$  | 7        | 205.9989  | 708               |
| 206      | 25/59 + 58/62                       | 7        | 206.0016  | 479               |
|          | 1/41 + 24/43                        | 3        | 205.9981  | 396               |
|          | 23/57 + 56/59                       | 7        | 206.9993  | 1175              |
| 207      | 31/58 + 54/66                       | 7        | 206.9988  | 669               |
|          | 26/53 + 50/58                       | 7        | 207.0034  | 230               |
|          | 1/39 + 7/42                         | 1        | Exact     | $\infty$          |
| 208      | 5/30 + 1/39                         | 1        | Exact     | $\infty$          |
|          | 4/24 + 1/39                         | 1        | Exact     | $\infty$          |
| 209      | 1/57 + 62/66                        | 5        | Exact     | $\infty$          |
| 210      | $\frac{7}{5/30+1/42}$               | 1        | Exact     | $\infty$          |
| 210      | 4/24 + 1/42                         | 1        | Exact     | $\infty$          |
|          | $1 + \frac{9}{30} + \frac{1}{37}$   | 7        | 210.998   | 388               |
| 211      | 40/54 + 1/57                        | 4        | 211.0026  | 307               |
|          | 1/43 + 36/66                        | 3        | 211.0037  | 212               |
|          | 40/47 + 31/66                       | 7        | 211.999   | 813               |
| 212      | $1 + \frac{1}{24} + \frac{12}{43}$  | 7        | 212.0029  | 270               |
| 212      | $\frac{13}{51} + \frac{50}{57}$     | 6        | 211.9964  | 217               |
|          | $\frac{1}{51} + \frac{57}{62}$      | 5        | 213.001   | 789               |
| 213      | $1 + \frac{1}{51} + \frac{28}{58}$  | 8        | 212.9973  | 295               |
| 215      | 3/30 + 28/43                        | 4        | 213.0031  | 257               |
|          | $2 + \frac{1}{53} + \frac{13}{58}$  | 12       | 213.9985  | 552               |
| 214      | $2 + \frac{1}{49} + \frac{1}{54}$   | 12       | 213.9983  | 475               |
| 214      | $1 + \frac{1}{37} + \frac{32}{38}$  | 10       | 214.003   | 263               |
|          | $\frac{21}{41} + \frac{41}{42}$     | 8        | 214.998   | 412               |
| 215      | $1 + \frac{2}{25} + \frac{32}{41}$  | 10       | 214.9974  | 307               |
| 210      | $\frac{1+2/25+32/41}{25/49+40/66}$  | 6        | 215.0028  | 290               |
| 216      | $\frac{1}{54} + \frac{11}{66}$      | 1        | Exact     | ∞                 |
| 210      | $\frac{1/54 + 11/66}{1/24 + 22/25}$ | 5        | 216.9982  | 449               |
| 217      | $\frac{1/24 + 22/25}{1/54 + 31/58}$ | 3        | 216.9982  | 352               |
| 217      |                                     | 6        | 210.9977  | $\frac{332}{252}$ |
|          | $1 + \frac{1}{37} + \frac{3}{38}$   | 6        | 217.0032  | 1572              |
| 010      | $\frac{19}{53} + \frac{49}{66}$     | -        |           |                   |
| 218      | 14/59 + 57/66                       | 6        | 217.9986  | 583               |
|          | $\frac{38}{53} + \frac{1}{59}$      | 4        | 218.0044  | 187               |
| 240      | $1 + \frac{1}{49} + \frac{4}{53}$   | 6        | 219.0021  | 389               |
| 219      | $\frac{1}{54} + \frac{51}{57}$      | 5        | 218.9968  | 256               |
|          | 5/43 + 48/49                        | 6        | 219.0039  | 210               |
| 220      | 9/54 + 1/66                         | 1        | Exact     | $\infty$          |
| 221      | $\frac{2}{34} + \frac{33}{39}$      | 5        | Exact     | $\infty$          |
|          | $1 + \frac{8}{47} + \frac{36}{57}$  | 10       | 222.0012  | 669               |
| 222      | $1 + \frac{26}{43} + \frac{1}{59}$  | 9        | 222.0029  | 285               |
|          | $1 + \frac{1}{49} + \frac{24}{57}$  | 8        | 221.997   | 279               |
|          | 1/57 + 51/58                        | 5        | 223.0017  | 495               |
| 223      | 1/24 + 13/41                        | 2        | 223.0028  | 294               |
|          | 1/51 + 28/54                        | 3        | 222.996   | 206               |
| 224      | 1/28 + 6/42                         | 1        | Exact     | $\infty$          |
| -        |                                     |          |           |                   |

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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | Vouru    |                                    |          |           | 494  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 905      | , , ,                              |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 225      |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          | $\frac{20/57 + 57/59}{1 + 11/2}$   |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 222      | $1 + \frac{1}{43} + \frac{11}{51}$ |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 226      | $\frac{26}{47} + \frac{44}{51}$    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    | -        |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 227      |                                    |          | l         |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          | 1 + 39/53 + 1/54                   | 10       | 228.0024  | 357  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 228      | $1 + \frac{1}{51} + \frac{33}{59}$ | 9        | 228.0025  | 338  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          | 1/25 + 36/43                       | 5        | 227.9958  | 201  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          | 1/54 + 53/62                       | 5        | 229.0014  | 627  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 229      | 17/53 + 48/66                      | 6        | 229.0016  | 524  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    | 4        | 228.998   | 436  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    | 7        |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 230      |                                    |          |           |      |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 231      |                                    |          |           |      |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 232      |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    |          |           |      |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 234      |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    | -        |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 235      | $1 + \frac{23}{34} + \frac{1}{39}$ | 10       | 235.0022  | 397  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          | 45/57 + 49/66                      | 9        | 235.0026  | 338  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    | 3        | 236.0024  | 371  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 236      | $1 + \frac{1}{58} + \frac{21}{62}$ | 8        | 235.9967  | 269  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    | 7        | 235.9957  | 205  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          | $1 + \frac{2}{47} + \frac{57}{58}$ | 12       | 237.0005  | 1634 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 237      |                                    | 7        | 237.0012  | 734  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               |          |                                    |          |           |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$               | 238      |                                    | 9        |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              |          |                                    |          |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              | 230      |                                    |          |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              | 200      |                                    |          |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              | 2/10     |                                    |          |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              | 240      |                                    |          |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              | 9.41     |                                    |          |           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$              | 241      |                                    |          |           | l    |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$              |          |                                    |          |           |      |
|   | 2.42     |                                    |          |           |      |
| $\begin{vmatrix} 42/47 + 41/54 & 10 & 242.0024 & 380 \end{vmatrix}$ | 242      |                                    |          |           |      |
|   |          | $4^{2}/47 + 4^{1}/54$              | 10       | 242.0024  | 380  |

| Division | Manivelle Tours                    | Tours de             | Divisions |          |
|----------|------------------------------------|----------------------|-----------|----------|
| Voulu    | et Divisions                       | la Piece             | Reels     | Ø        |
| Youru    | 9/53 + 56/57                       | 7                    | 242.9991  | 1056     |
| 243      | 5/28 + 37/38                       | 7                    | 243.0016  | 558      |
| - 10     | $\frac{1}{53} + \frac{18}{58}$     | $\overset{\cdot}{2}$ | 243.004   | 230      |
|          | $1 + \frac{1}{54} + \frac{8}{62}$  | 7                    | 243.9979  | 439      |
| 244      | $1 + \frac{1}{34} + \frac{11}{39}$ | 8                    | 244.0023  | 397      |
|          | 19/58 + 61/62                      | 8                    | 244.0034  | 269      |
|          | $\frac{27}{59} + \frac{56}{66}$    | 8                    | 245.002   | 466      |
| 245      | $1 + \frac{11}{25} + \frac{1}{34}$ | 9                    | 244.996   | 229      |
| - 10     | 1 + 1/37 + 12/43                   | 8                    | 245.0048  | 190      |
|          | 9/58 + 58/59                       | 7                    | 245.9974  | 358      |
| 246      | 22/49 + 46/54                      | 8                    | 245.9965  | 264      |
| -10      | $1 + \frac{1}{57} + \frac{7}{58}$  | 7                    | 245.9952  | 192      |
|          | 20/34 + 29/41                      | 8                    | 246.9989  | 835      |
| 247      | 1/62 + 31/66                       | 3                    | 247.002   | 459      |
| 211      | $1 + \frac{1}{49} + \frac{6}{53}$  | 7                    | 246.9973  | 340      |
|          | $2 + \frac{4}{49} + \frac{1}{66}$  | 13                   | 247.9988  | 787      |
| 248      | $2 + \frac{1}{37} + \frac{3}{43}$  | 13                   | 247.9976  | 387      |
| 240      | $2 + \frac{1}{47} + \frac{4}{53}$  | 13                   | 248.0031  | 303      |
|          | $\frac{21}{40/51} + \frac{57}{58}$ | 11                   | 248.9994  | 1625     |
| 249      | 30/39 + 36/43                      | 10                   | 248.9978  | 418      |
| 240      | 27/34 + 36/37                      | 11                   | 248.9969  | 296      |
| 250      | 8/25 + 24/30                       | 7                    | Exact     | ∞        |
| 200      | $\frac{35}{49} + \frac{37}{66}$    | 8                    | 251.0017  | 553      |
| 251      | 9/28 + 27/34                       | 7                    | 250.9981  | 499      |
| 201      | 32/53 + 49/59                      | 9                    | 250.9967  | 281      |
|          | $1 + \frac{1}{38} + \frac{23}{41}$ | 10                   | 252.0016  | 583      |
| 252      | $1 + \frac{1}{47} + \frac{30}{53}$ | 10                   | 251.998   | 466      |
|          | 35/58 + 61/62                      | 10                   | 251.9972  | 336      |
|          | $1 + \frac{3}{37} + \frac{1}{39}$  | 7                    | 252.9994  | 1513     |
| 253      | 1 + 1/49 + 37/66                   | 10                   | 253.0022  | 440      |
|          | $1 + \frac{1}{51} + \frac{32}{57}$ | 10                   | 253.0026  | 363      |
|          | $\frac{1}{51} + \frac{24}{53}$     | 3                    | 254.0016  | 607      |
| 254      | $1 + \frac{4}{47} + \frac{1}{58}$  | 7                    | 254.0033  | 285      |
|          | $1 + \frac{1}{28} + \frac{2}{30}$  | 7                    | 253.9957  | 220      |
| 255      | $\frac{22}{51} + \frac{44}{66}$    | 7                    | Exact     | ∞        |
|          | $1 + \frac{1}{43} + \frac{18}{47}$ | 9                    | 256.0028  | 340      |
| 256      | 40/53 + 43/66                      | 9                    | 256.0033  | 294      |
|          | $1 + \frac{19}{49} + \frac{1}{54}$ | 9                    | 255.9957  | 223      |
|          | $1 + \frac{1}{25} + \frac{8}{39}$  | 8                    | 257.0016  | 584      |
| 257      | 8/57 + 56/59                       | 7                    | 256.9978  | 440      |
|          | $1 + \frac{1}{39} + \frac{9}{41}$  | 8                    | 256.9965  | 273      |
| 258      | 18/43 + 38/57                      | 7                    | Exact     | ∞        |
|          | $\frac{1}{57} + \frac{60}{66}$     | 6                    | 259.0017  | 563      |
| 259      | 1/47 + 34/57                       | 4                    | 258.997   | 321      |
|          | 1/53 + 24/54                       | 3                    | 259.0045  | 214      |
|          | $1 + \frac{1}{39} + \frac{28}{42}$ | 11                   | Exact     | $\infty$ |
| 260      | $1 + \frac{20}{30} + \frac{1}{39}$ | 11                   | Exact     | $\infty$ |
|          | $1 + \frac{16}{24} + \frac{1}{39}$ | 11                   | Exact     | $\infty$ |
| 261      | 1 + 3/54 + 1/58                    | 7                    | Exact     | $\infty$ |
|          | , , - 1 , 55                       | •                    |           |          |

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| Voulu    | et Divisions  | la Piece          | Reels     | Ø                  |
|          | $1 + \frac{1}{43} + \frac{3}{66}$                                   | 7                 | 261.998   | 496                |
| 262      | $1 + \frac{1}{24} + \frac{1}{37}$                                   | 7                 | 262.0021  | 465                |
|          | 1/47 + 51/57  | 6                 | 262.0049  | 200                |
|          | 1/54 + 46/62  | 5                 | 263.0008  | 1254               |
| 263      | 1/34 + 22/38  | 4                 | 263.0025  | 387                |
|          | 35/59 + 1/66  | 4                 | 262.997   | 333                |
|          | $1 + \frac{19}{53} + \frac{45}{59}$                                 | 14                | 264.0012  | 820                |
| 264      | 45/49 + 37/62   | 10                | 264.0017  | 569                |
|          | $1 + \frac{7}{37} + \frac{32}{41}$                                  | 13                | 264.0027  | 369                |
|          | 11/49 + 58/59   | 8                 | 265.0014  | 693                |
| 265      | 17/49 + 44/62   | 7                 | 264.9969  | 318                |
|          | $1 + \frac{1}{30} + \frac{1}{43}$                                   | 7                 | 265.0037  | 270                |
|          | 55/62 + 1/66  | 6                 | 266.0022  | 459                |
| 266      | 1 + 8/43 + 1/59   | 8                 | 266.0026  | 380                |
|          | 38/43 + 1/54  | 6                 | 266.0048  | 208                |
|          | $\frac{1}{43} + \frac{45}{62}$                                      | 5                 | 267.0005  | 1997               |
| 267      | 38/43 + 1/66  | 6                 | 267.0012  | 850                |
| 201      | 3/47 + 65/66  | 7                 | 267.0012  | 361                |
|          | $1 + \frac{1}{53} + \frac{27}{57}$                                  | 10                | 267.9973  | 377                |
| 268      | $1 + \frac{9}{51} + \frac{1}{57}$                                   | 8                 | 268.0035  | 290                |
| 200      | 12/47 + 45/57   | 7                 | 267.9957  | 234                |
|          | $\frac{1}{47} + \frac{39}{54}$                                      | 5                 | 268.9984  | 633                |
| 269      | 1/47 + 65/54<br>1 + 1/47 + 1/51                                     | 7                 | 269.002   | 502                |
| 209      | $\frac{1+\frac{1}{47}+\frac{1}{51}}{\frac{1}{54}+\frac{34}{59}}$    | $\frac{7}{4}$     | 269.002   | 381                |
|          | $\frac{1}{54} + \frac{54}{59}$<br>$2 + \frac{1}{43} + \frac{3}{59}$ | 14                | 269.9962  | 266                |
| 270      | $1 + \frac{2}{3} + \frac{3}{38} + \frac{3}{59}$                     | 11                | 269.9961  | $\frac{266}{256}$  |
| 270      | $1 + \frac{23}{38} + \frac{1}{41}$<br>$17/53 + \frac{51}{59}$       | 8                 | 270.0054  | 187                |
|          | 1 + 8/49 + 1/57   | 8                 | 271.0006  | 1674               |
| 271      |   | 8                 | 271.0000  | $\frac{1674}{275}$ |
| 211      | $\begin{array}{c c} 13/51 + 50/54 \\ 12/43 + 1/62 \end{array}$      | $\frac{\circ}{2}$ | 270.9903  | 266                |
| 272      |   | 9                 |           |                    |
| 212      | 15/30 + 28/34   | 8                 | Exact     | ∞                  |
| 079      | $1 + \frac{1}{51} + \frac{9}{59}$                                   |                   | 273.0026  | 400                |
| 273      | $1 + \frac{7}{24} + \frac{1}{37}$                                   | 9                 | 272.9974  | 399                |
|          | 24/43 + 35/57   | 8                 | 272.9969  | 326                |
| 074      | $1 + \frac{8}{53} + \frac{1}{59}$                                   | 8                 | 273.9978  | 468                |
| 274      | $\frac{2}{54} + \frac{65}{66}$                                      | 7                 | 274.0033  | 311                |
|          | $\frac{14}{34} + \frac{31}{41}$                                     | 8                 | 274.0049  | 208                |
| 075      | $\frac{1}{49} + \frac{32}{57}$                                      | 4                 | 275.0031  | 334                |
| 275      | $1 + \frac{1}{24} + \frac{5}{41}$                                   | 8                 | 275.0044  | 235                |
|          | 19/49 + 45/58   | 8                 | 275.0045  | 227                |
| 2=2      | $1 + \frac{46}{53} + \frac{1}{62}$                                  | 13                | 276.0006  | 1600               |
| 276      | $1 + \frac{1}{49} + \frac{57}{66}$                                  | 13                | 276.002   | 525                |
|          | 18/38 + 40/41   | 10                | 275.9965  | 291                |
|          | $1 + \frac{1}{37} + \frac{5}{39}$                                   | 8                 | 277.0006  | 1729               |
| 277      | $1 + \frac{1}{53} + \frac{9}{66}$                                   | 8                 | 277.0007  | 1397               |
|          | 16/47 + 44/54   | 8                 | 276.9986  | 760                |
|          | 11/54 + 54/57   | 8                 | 278.0017  | 615                |
| 278      | 20/49 + 47/53   | 9                 | 278.0018  | 583                |
|          | 14/41 + 41/43   | 9                 | 278.0026  | 396                |

| Division | Manivelle Tours   | Tours de | Divisions |          |
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| Voulu    | et Divisions  | la Piece | Reels     | Ø        |
| Vouru    | 30/47 + 46/49   | 11       | 278.9978  | 474      |
| 279      | $1 + \frac{1}{34} + \frac{23}{42}$  | 11       | 279.0053  | 196      |
| 213      | 35/59 + 61/62   | 11       | 278.9946  | 194      |
|          | $\frac{26/39 + 31/62}{26/28 + 15/42}$   | 9        | Exact     | ∞        |
| 280      | 12/24 + 13/42<br>12/24 + 22/28  | 9        |           |          |
|          | 12/24 + 22/28   |          | Exact     | ∞        |
| 201      | 46/58 + 51/66   | 11       | 281.001   | 1051     |
| 281      | 16/54 + 65/66   | 9        | 280.9987  | 801      |
|          | $1 + \frac{1}{49} + \frac{36}{66}$  | 11       | 280.9953  | 222      |
| 200      | 15/43 + 38/59   | 7        | 282.0008  | 1330     |
| 282      | 11/54 + 54/58   | 8        | 282.0034  | 312      |
|          | $1 + \frac{7}{59} + \frac{1}{62}$   | 8        | 281.9947  | 199      |
|          | 1/57 + 49/59  | 6        | 283.0014  | 755      |
| 283      | 24/25 + 1/34  | 7        | 282.9964  | 297      |
|          | 1/58 + 24/59  | 3        | 283.0048  | 219      |
|          | 1/49 + 56/58  | 7        | 283.9971  | 372      |
| 284      | 19/28 + 1/39  | 5        | 284.0052  | 204      |
|          | $1 + \frac{15}{39} + \frac{1}{42}$  | 10       | 284.0052  | 204      |
|          | 17/49 + 45/58   | 8        | 285.0016  | 681      |
| 285      | $\frac{56}{58} + \frac{1}{59}$  | 7        | 284.997   | 358      |
|          | 24/25 + 7/43  | 8        | 285.0041  | 257      |
|          | 2/47 + 47/59  | 6        | 285.9991  | 1246     |
| 286      | 16/54 + 51/62   | 8        | 286.0011  | 1003     |
|          | 21/24 + 10/41   | 8        | 285.9946  | 196      |
|          | 7/25 + 38/39  | 9        | 286.9992  | 1315     |
| 287      | $1 + \frac{5}{51} + \frac{1}{59}$   | 8        | 286.9985  | 721      |
|          | $1 + \frac{1}{59} + \frac{32}{62}$  | 11       | 287.0043  | 251      |
|          | $1 + \frac{22}{43} + \frac{1}{62}$  | 11       | 288.0039  | 274      |
| 288      | 1 + 1/25 + 20/41  | 11       | 287.9949  | 211      |
|          | 1 + 25/49 + 1/57  | 11       | 288.0056  | 191      |
|          | 1/58 + 59/62  | 7        | 289.0011  | 943      |
| 289      | 6/47 + 48/49  | 8        | 289.0039  | 276      |
|          | 13/49 + 50/51   | 9        | 288.9945  | 198      |
|          | $1 + \frac{1}{58} + \frac{31}{62}$  | 11       | Exact     | $\infty$ |
| 290      | $1 + \frac{1}{58} + \frac{33}{66}$  | 11       | Exact     | $\infty$ |
|          | $1 + \frac{27}{54} + \frac{1}{58}$  | 11       | Exact     | $\infty$ |
|          | 1/49 + 27/51  | 4        | 291.0044  | 249      |
| 291      | 6/34 + 33/42  | 7        | 291.0044  | 249      |
|          | 9/53 + 53/57  | 8        | 291.0054  | 201      |
|          | $1 + \frac{1}{49} + \frac{4}{53}$   | 8        | 292.0028  | 389      |
| 292      | 1/37 + 25/38  | 5        | 292.0042  | 263      |
|          | 1/25 + 34/37  | 7        | 291.9955  | 242      |
|          | 14/57 + 58/59   | 9        | 293.001   | 1133     |
| 293      | 15/57 + 56/58   | 9        | 292.9985  | 743      |
|          | $1 + \frac{1}{30} + \frac{2}{34}$   | 8        | 292.9982  | 611      |
|          | $1 + \frac{11}{53} + \frac{1}{59}$  | 9        | 293.9984  | 702      |
| 294      | 34/43 + 36/51   | 11       | 294.0037  | 301      |
|          | 35/51 + 47/58   | 11       | 293.9959  | 270      |
|          | 29/57 + 57/58   | 11       | 294.999   | 1089     |
| 295      | $1 + \frac{32}{43} + \frac{1}{54}$  | 13       | 295.0012  | 904      |
| 250      | $1 + \frac{1}{5} + \frac{3}{43} + \frac{7}{54}$<br>$1 + \frac{1}{58} + \frac{21}{62}$ | 10       | 294.9959  | 269      |
|          | 1 - 1 /00 1 /02   | 10       | 201.0000  |          |

| Division | Manivelle Tours   | Tours de | Divisions |          |
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| Voulu    | et Divisions  | la Piece | Reels     | Ø        |
| Vouru    | $\frac{53}{57} + \frac{1}{62}$  | 7        | 295.9976  | 469      |
| 200      |   |          |           | 463      |
| 296      | $1 + \frac{26}{43} + \frac{1}{59}$                                      | 12       | 296.0039  | 285      |
| 207      | $1 + \frac{1}{43} + \frac{11}{57}$                                      | 9        | 295.9946  | 206      |
| 297      | $\frac{1}{54} + \frac{61}{66}$  | 7        | Exact     | ∞        |
|          | $\frac{3}{28} + \frac{29}{30}$  | 8        | 298.0044  | 251      |
| 298      | 26/49 + 42/62   | 9        | 298.0054  | 204      |
|          | $1 + \frac{3}{53} + \frac{1}{58}$                                       | 8        | 297.9945  | 204      |
|          | $1 + \frac{1}{51} + \frac{21}{66}$                                      | 10       | 299.0007  | 1681     |
| 299      | $1 + \frac{1}{54} + \frac{3}{58}$                                       | 8        | 298.9976  | 469      |
|          | 18/53 + 51/59   | 9        | 298.996   | 281      |
| 300      | 15/25 + 14/42   | 7        | Exact     | $\infty$ |
| 300      | 4/24 + 23/30  | 7        | Exact     | $\infty$ |
|          | 4/49 + 53/54  | 8        | 301.0025  | 453      |
| 301      | 32/47 + 34/66   | 9        | 301.0027  | 418      |
|          | 11/51 + 50/59   | 8        | 300.9941  | 189      |
|          | 9/43 + 57/58  | 9        | 301.998   | 560      |
| 302      | 39/57 + 51/66   | 11       | 302.0033  | 344      |
|          | 21/43 + 38/54   | 9        | 301.9942  | 195      |
|          | 6/51 + 50/62  | 7        | 302.9979  | 552      |
| 303      | 13/54 + 54/57   | 9        | 303.0025  | 461      |
|          | 10/43 + 42/51   | 8        | 303.0052  | 219      |
|          | 15/30 + 26/38   | 9        | Exact     | $\infty$ |
| 304      | $1 + \frac{1}{57} + \frac{11}{66}$                                      | 9        | Exact     | $\infty$ |
| 001      | $1 + \frac{9}{54} + \frac{1}{57}$                                       | 9        | Exact     | $\infty$ |
|          | $1 + \frac{7}{43} + \frac{1}{57}$                                       | 9        | 304.9983  | 661      |
| 305      | 27/53 + 1/66  | 4        | 305.0027  | 419      |
| 000      | 1/25 + 36/41  | 7        | 304.9947  | 215      |
| 306      | $\frac{1}{51} + \frac{6}{54}$   | 1        | Exact     | ∞        |
| 500      | 3/49 + 52/53  | 8        | 306.9967  | 345      |
| 307      | 9/49 + 52/53<br>9/47 + 52/53  | 9        | 307.0045  | 258      |
| 307      | $1 + \frac{3}{47} + \frac{32}{53}$<br>$1 + \frac{1}{38} + \frac{6}{41}$ | 9        | 306.9951  | 233      |
|          | $\frac{1+1/38+6/41}{20/43+38/54}$                                       | 9        | 308.0029  | 391      |
| 200      |   |          | 308.0029  | l .      |
| 308      | $\frac{5}{34} + \frac{33}{37}$  | 8<br>10  |           | 377      |
|          | 17/54 + 61/62   | -        | 308.0037  | 313      |
| 200      | 3/58 + 61/62  | 8        | 309.0011  | 1077     |
| 309      | $1 + \frac{7}{47} + \frac{1}{62}$                                       | 9        | 308.9956  | 262      |
|          | 30/34 + 1/42  | 7        | 308.9954  | 249      |
| 240      | $1 + \frac{25}{54} + \frac{49}{57}$                                     | 18       | 309.9958  | 276      |
| 310      | $1 + \frac{45}{57} + \frac{1}{59}$                                      | 14       | 310.0049  | 235      |
|          | $1 + \frac{13}{57} + \frac{56}{58}$                                     | 17       | 309.9945  | 210      |
|          | $\frac{1}{30} + \frac{25}{41}$  | 5        | 310.9987  | 921      |
| 311      | 1/25 + 30/41  | 6        | 310.9987  | 921      |
|          | 11/28 + 26/34   | 9        | 310.9982  | 642      |
|          | 1 + 6/49 + 39/58  | 14       | 312.0016  | 745      |
| 312      | $1 + \frac{1}{47} + \frac{41}{53}$                                      | 14       | 312.0018  | 653      |
|          | $1 + \frac{1}{49} + \frac{23}{59}$                                      | 11       | 312.0039  | 297      |
|          | 6/34 + 37/38  | 9        | 313.0013  | 871      |
| 313      | 8/30 + 27/43  | 7        | 312.9983  | 676      |
|          | 13/47 + 44/59   | 8        | 313.0018  | 664      |
|          |   |          | 1         |          |

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| Voulu    | et Divisions   | la Piece      | Reels     | Ø                    |
|          | 1/30 + 15/43   | 3             | 313.9959  | 289                  |
| 314      | 3/49 + 49/59   | 7             | 313.9953  | 252                  |
|          | 20/53 + 52/58  | 10            | 313.9939  | 191                  |
|          | 33/53 + 48/62  | 11            | 314.9978  | 541                  |
| 315      | 21/37 + 34/41  | 11            | 314.9976  | 500                  |
|          | 45/47 + 29/66  | 11            | 314.9965  | 340                  |
|          | $1 + \frac{1}{24} + \frac{4}{41}$                                | 9             | 316.0036  | 331                  |
| 316      | $\frac{1}{53} + \frac{35}{57}$                                   | 5             | 316.0042  | 282                  |
|          | 1/57 + 46/62   | 6             | 316.006   | 198                  |
|          | 1/43 + 26/54   | 4             | 316.9966  | 347                  |
| 317      | 46/62 + 1/66   | 6             | 317.0045  | 262                  |
|          | 23/38 + 1/39   | 5             | 317.0053  | 222                  |
|          | 6/49 + 47/62   | 7             | 317.9963  | 318                  |
| 318      | $\frac{1}{28} + \frac{33}{34}$                                   | 8             | 317.9958  | 285                  |
| 010      | $\frac{1}{30} + \frac{36}{37}$                                   | 8             | 317.9946  | 221                  |
|          | $\frac{7}{47} + \frac{48}{49}$                                   | 9             | 318.9996  | 3106                 |
| 319      | $1 + \frac{4}{38} + \frac{1}{43}$                                | 9             | 319.0022  | 550                  |
| 013      | $1 + \frac{1}{43} + \frac{6}{57}$                                | 9             | 319.0022  | 550                  |
|          | $\frac{1+743+737}{1/24+10/30}$                                   | 3             | Exact     | ∞                    |
| 320      | $\frac{1}{24} + \frac{13}{39}$                                   | 3             | Exact     | $\infty$             |
| 520      | $\frac{1}{24} + \frac{19}{39}$<br>$\frac{1}{24} + \frac{14}{42}$ | 3             | Exact     | $\infty$             |
|          | $\frac{1}{24} + \frac{1}{42}$<br>$\frac{1}{51} + \frac{35}{58}$  | 5             | 320.9984  | 738                  |
| 321      | $\frac{1}{30} + \frac{30}{38}$                                   | $\frac{3}{4}$ | 320.9953  | 257                  |
| 321      | $\frac{1}{30} + \frac{20}{43}$<br>$\frac{1}{24} + \frac{25}{43}$ | 5             | 320.9953  | 257                  |
|          | $\frac{1/24 + 25/43}{25/53 + 51/57}$                             | 11            | 322.0058  | 207                  |
| 322      | $\frac{25}{53} + \frac{31}{57}$<br>16/41 + 41/42                 | 11            | 322.0058  | 207                  |
| 322      | 16/34 + 41/42<br>16/34 + 1/38                                    | 4             | 321.9938  | 193                  |
| 323      | $\frac{10/34 + 1/38}{1/51 + 13/57}$                              | 2             | Exact     |                      |
| 323      | 1/51 + 19/57 $1 + 29/43 + 11/62$                                 | 15            | 324.0024  | $\frac{\infty}{499}$ |
| 29.4     |  |               | 324.0024  |                      |
| 324      | $1 + \frac{11}{51} + \frac{1}{53}$                               | 10            |           | 337                  |
| 905      | 45/53 + 1/66   | 7             | 323.996   | 305                  |
| 325      | 14/30 + 1/39   | 4             | Exact     | ∞                    |
| 200      | $\frac{27}{53} + \frac{52}{54}$                                  | 12            | 325.9991  | 1286                 |
| 326      | $\frac{23}{24} + \frac{1}{43}$                                   | 8             | 326.002   | 618                  |
|          | $\frac{23}{47} + \frac{58}{59}$                                  | 12            | 325.9956  | 277                  |
| 907      | $\frac{1}{51} + \frac{31}{66}$                                   | 4             | 326.9945  | 224                  |
| 327      | $\frac{1}{57} + \frac{52}{62}$                                   | 7             | 327.0059  | 205                  |
|          | $\frac{38}{53} + \frac{1}{59}$                                   | 6             | 327.0065  | 187                  |
| 222      | $1 + \frac{12}{59} + \frac{1}{62}$                               | 10            | 327.9982  | 685                  |
| 328      | $1 + \frac{1}{53} + \frac{20}{62}$                               | 11            | 328.0036  | 338                  |
|          | $1 + \frac{2}{25} + \frac{6}{43}$                                | 10            | 327.9939  | 201                  |
| 25-      | $\frac{26}{51} + \frac{48}{58}$                                  | 11            | 328.999   | 1219                 |
| 329      | $1 + \frac{13}{30} + \frac{1}{39}$                               | 12            | 328.9982  | 701                  |
|          | 3/62 + 61/66   | 8             | 329.005   | 245                  |
| 330      | 45/54 + 1/66   | 7             | Exact     | $\infty$             |
|          | 59/62 + 1/66   | 8             | 331.001   | 1226                 |
| 331      | $1 + \frac{1}{25} + \frac{2}{42}$                                | 9             | 330.9982  | 708                  |
|          | 39/47 + 1/62   | 7             | 331.002   | 611                  |
|          |  |               |           |                      |

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|          | $1 + \frac{10}{53} + \frac{1}{62}$                                     | 10       | 332.003   | 410      |
| 332      | 1/34 + 35/43   | 7        | 332.0032  | 383      |
|          | $1 + \frac{11}{58} + \frac{1}{66}$                                     | 10       | 332.0035  | 358      |
|          | $1 + \frac{8}{43} + \frac{1}{66}$                                      | 10       | 333.0009  | 1417     |
| 333      | 21/47 + 43/57  | 10       | 333.0019  | 669      |
| 000      | $1 + \frac{9}{49} + \frac{1}{57}$                                      | 10       | 332.9955  | 279      |
|          | $\frac{1}{25} + \frac{19}{28}$   | 6        | 333.996   | 314      |
| 334      | 9/43 + 39/62   | 7        | 333.9955  | 279      |
| 004      | 21/43 + 31/66  | 8        | 334.0051  | 243      |
|          | $\frac{23}{24} + \frac{5}{43}$   | 9        | 335.0045  | 278      |
| 335      | $1 + \frac{1}{37} + \frac{2}{42}$                                      | 9        | 334.994   | 209      |
| 333      | 10/34 + 32/41  | 9        | 335.0067  | 188      |
| 336      | $\frac{2}{24} + \frac{32}{41}$   | 1        | Exact     | ∞        |
| 330      | $\frac{2/24 + 1/28}{1/54 + 54/58}$                                     | 8        | 337.0007  | 1877     |
| 227      |  |          |           | 286      |
| 337      | 12/25 + 20/34  | 9        | 337.0044  | 1        |
|          | $\frac{1}{58} + \frac{41}{59}$   | 6        | 337.0045  | 279      |
| 222      | $\frac{1}{49} + \frac{40}{58}$   | 6        | 337.998   | 638      |
| 338      | 41/59 + 1/66   | 6        | 337.9964  | 350      |
|          | $\frac{27}{47} + \frac{1}{58}$   | 5        | 338.0037  | 340      |
|          | 8/54 + 53/58   | 9        | 339.0018  | 704      |
| 339      | 10/51 + 61/62  | 10       | 338.9976  | 526      |
|          | 22/47 + 42/59  | 10       | 338.9976  | 519      |
|          | 1/51 + 18/54   | 3        | Exact     | $\infty$ |
| 340      | 1/51 + 19/57   | 3        | Exact     | $\infty$ |
|          | 1/51 + 22/66   | 3        | Exact     | $\infty$ |
|          | 1/57 + 33/58   | 5        | 341.0005  | 2477     |
| 341      | 17/25 + 1/42   | 6        | 341.0014  | 944      |
|          | 1/51 + 39/57   | 6        | 340.9971  | 435      |
|          | 1 + 6/41 + 1/43  | 10       | 341.9981  | 660      |
| 342      | 1/49 + 54/59   | 8        | 342.0037  | 346      |
|          | 23/41 + 1/42   | 5        | 342.006   | 215      |
|          | $1 + \frac{1}{38} + \frac{1}{43}$                                      | 9        | 342.9971  | 440      |
| 343      | 8/37 + 35/42   | 9        | 343.0043  | 299      |
|          | 32/47 + 1/53   | 6        | 342.9948  | 248      |
|          | 22/62 + 61/66  | 11       | 343.9969  | 421      |
| 344      | 16/54 + 57/58  | 11       | 344.004   | 322      |
|          | $1 + \frac{4}{25} + \frac{5}{42}$                                      | 11       | 344.006   | 216      |
|          | 1/47 + 49/62   | 7        | 344.9979  | 611      |
| 345      | 5/34 + 32/41   | 8        | 344.9961  | 334      |
| 0 20     | 23/47 + 46/51  | 12       | 344.9955  | 287      |
|          | $\frac{3}{53} + \frac{61}{62}$   | 9        | 345.9959  | 316      |
| 346      | 3/28 + 28/30   | 9        | 345.9954  | 283      |
| 010      | 46/58 + 1/62   | 7        | 346.0069  | 188      |
|          | 9/28 + 1/41  | 3        | 347.0025  | 516      |
| 347      | 10/24 + 16/41  | 7        | 347.0025  | 516      |
| 941      | 1/49 + 26/59   | 4        | 347.0023  | 192      |
|          | 1/49 + 20/59<br>11/43 + 42/47  | 10       | 347.9983  | 757      |
| 348      | 11/43 + 42/47<br>1 + 1/57 + 1/59                                       | 9        | 347.9966  | 377      |
| 340      | $1 + \frac{1}{57} + \frac{1}{59}$<br>$1 + \frac{3}{25} + \frac{1}{34}$ | 10       | 347.9900  | 318      |
|          | 1 + 9/25 + 1/34  | 10       | 340.0041  | 310      |

| Division | Manivelle Tours   | Tours de | Divisions |      |
|----------|---|----------|-----------|------|
| Voulu    | et Divisions  | la Piece | Reels     | Ø    |
|          | 35/43 + 32/57   | 12       | 349.0003  | 4407 |
| 349      | 10/62 + 65/66   | 10       | 348.9979  | 613  |
| 0.10     | $1 + \frac{14}{57} + \frac{1}{66}$                        | 11       | 348.9943  | 229  |
| 350      | $\frac{1}{30} + \frac{13}{42}$                            | 3        | Exact     | ∞    |
|          | 51/57 + 1/59  | 8        | 350.998   | 671  |
| 351      | 25/57 + 1/58  | 4        | 351.002   | 660  |
|          | 10/47 + 1/66  | 2        | 351.0042  | 309  |
|          | 22/42 + 41/43   | 13       | 351.994   | 219  |
| 352      | 1/51 + 45/58  | 7        | 351.9932  | 193  |
|          | 1/47 + 48/62  | 7        | 351.9931  | 191  |
|          | $\frac{1}{53} + \frac{39}{59}$                            | 6        | 353.0009  | 1405 |
| 353      | 1/59 + 13/62  | 2        | 353.0036  | 365  |
|          | 28/51 + 1/57  | 5        | 353.0055  | 242  |
|          | 18/53 + 49/62   | 10       | 353.9995  | 2462 |
| 354      | $1 + \frac{1}{58} + \frac{21}{62}$                        | 12       | 353.9951  | 269  |
|          | 16/62 + 65/66   | 11       | 354.0071  | 187  |
|          | 41/53 + 1/66  | 7        | 354.9982  | 733  |
| 355      | 34/43 + 32/57   | 12       | 355.003   | 440  |
| 333      | 33/43 + 1/47  | 7        | 355.0063  | 212  |
|          | $\frac{38}{43} + \frac{1}{66}$                            | 8        | 356.0016  | 850  |
| 356      | $1 + \frac{1}{57} + \frac{7}{66}$                         | 10       | 355.9972  | 469  |
| 000      | 1/25 + 26/41  | 6        | 356.0058  | 230  |
| 357      | $\frac{3}{34} + \frac{1}{42}$                             | 1        | Exact     | ∞    |
| 551      | $\frac{1}{53} + \frac{43}{66}$                            | 6        | 358.0043  | 314  |
| 358      | 1/47 + 37/57  | 6        | 357.9955  | 301  |
| 330      | 1/34 + 41/42  | 9        | 357.9944  | 240  |
|          | $\frac{1}{58} + \frac{45}{59}$                            | 7        | 358.9959  | 326  |
| 359      | 1/49 + 54/62  | 8        | 358.9956  | 303  |
| 000      | 9/34 + 31/42  | 9        | 358.9944  | 240  |
| 360      | 42/54 + 44/66   | 13       | Exact     | ∞    |
| 555      | 9/49 + 48/59  | 9        | 360.999   | 1299 |
| 361      | 46/47 + 1/54  | 9        | 360.9957  | 311  |
| 501      | 46/53 + 1/54  | 8        | 360.9933  | 201  |
|          | $\frac{10}{59} + \frac{58}{62}$                           | 10       | 361.999   | 1370 |
| 362      | $1 + \frac{1}{34} + \frac{8}{43}$                         | 11       | 362.0034  | 401  |
| 002      | $1 + \frac{5}{57} + \frac{1}{58}$                         | 10       | 362.0038  | 353  |
|          | $\frac{1}{41} + \frac{36}{42}$                            | 8        | 363.004   | 344  |
| 363      | 24/28 + 1/41  | 8        | 363.004   | 344  |
| 000      | 43/57 + 1/59  | 7        | 363.0069  | 195  |
| 364      | $\frac{1}{39} + \frac{22}{42}$                            | 5        | Exact     | ∞    |
| 501      | $\frac{1}{51} + \frac{37}{58}$                            | 6        | 364.9974  | 531  |
| 365      | 1/43 + 22/53  | 4        | 365.005   | 273  |
| 500      | 24/25 + 1/38  | 9        | 364.9947  | 256  |
|          | $\frac{1}{43} + \frac{40}{47}$                            | 8        | 365.9989  | 1211 |
| 366      | 11/51 + 50/57   | 10       | 366.0057  | 242  |
| 500      | $\frac{1}{30} + \frac{30}{41}$                            | 7        | 365.9936  | 215  |
|          | $\frac{1}{30} + \frac{30}{41}$                            | 5        | 366.9986  | 966  |
| 367      | $\frac{1}{30} + \frac{22}{43}$<br>$28/59 + \frac{55}{66}$ | 12       | 366.9978  | 636  |
| 501      | 20/39 + 35/66<br>20/47 + 45/51                            | 12       | 367.0048  | 287  |
|          | -741 T 49/31  | 14       | 501.0040  | 201  |

| Division | Manivelle Tours                    | Tours de | Divisions |          |
|----------|------------------------------------|----------|-----------|----------|
|          |                                    |          |           | ø        |
| Voulu    | et Divisions                       | la Piece | Reels     | 991      |
| 9.60     | 34/47 + 40/58                      | 13       | 367.9958  | 331      |
| 368      | $1 + \frac{1}{43} + \frac{10}{58}$ | 11       | 367.9946  | 256      |
|          | $\frac{1}{37} + \frac{39}{41}$     | 9        | 368.0054  | 255      |
| 200      | $\frac{1}{43} + \frac{12}{62}$     | 2        | 368.9965  | 399      |
| 369      | 40/47 + 1/62                       | 8        | 369.0067  | 205      |
|          | 22/53 + 1/54                       | 4        | 368.9927  | 190      |
|          | $1 + \frac{1}{38} + \frac{19}{39}$ | 14       | 370.0045  | 310      |
| 370      | 1/51 + 39/62                       | 6        | 370.0049  | 284      |
|          | $1 + \frac{1}{30} + \frac{16}{43}$ | 13       | 369.9945  | 251      |
|          | 1 + 3/49 + 1/59                    | 10       | 370.9978  | 618      |
| 371      | 4/39 + 40/41                       | 10       | 370.9977  | 599      |
|          | 35/37 + 1/41                       | 9        | 371.0054  | 255      |
| 372      | $1 + \frac{1}{62} + \frac{11}{66}$ | 11       | Exact     | $\infty$ |
| J. 2     | 1 + 9/54 + 1/62                    | 11       | Exact     | $\infty$ |
|          | 2/51 + 50/54                       | 9        | 373.0023  | 619      |
| 373      | 1/41 + 26/42                       | 6        | 372.9964  | 387      |
|          | 12/28 + 22/41                      | 9        | 372.9964  | 387      |
| 374      | 1/51 + 34/66                       | 5        | Exact     | $\infty$ |
| 375      | 1/25 + 2/30                        | 1        | Exact     | $\infty$ |
|          | 1/53 + 45/62                       | 7        | 376.0033  | 430      |
| 376      | 3/34 + 40/41                       | 10       | 375.9946  | 261      |
|          | $1 + \frac{1}{25} + \frac{1}{42}$  | 10       | 376.0072  | 196      |
|          | 3/53 + 53/59                       | 9        | 376.9993  | 2108     |
| 377      | 46/49 + 1/62                       | 9        | 377.001   | 1365     |
|          | 1/25 + 26/37                       | 7        | 377.0015  | 970      |
|          | $1 + \frac{1}{53} + \frac{9}{62}$  | 11       | 377.9974  | 541      |
| 378      | 5/37 + 36/39                       | 10       | 377.9961  | 360      |
|          | 1/24 + 33/41                       | 8        | 378.0072  | 196      |
| 0=0      | $\frac{25}{47} + \frac{39}{62}$    | 11       | 379.0009  | 1601     |
| 379      | 7/38 + 42/43                       | 11       | 378.9984  | 897      |
|          | 32/39 + 1/42                       | 8        | 379.0022  | 654      |
| 380      | 12/24 + 17/38                      | 9        | Exact     | $\infty$ |
|          | 1 + 7/24 + 3/41                    | 13       | 380.9978  | 639      |
| 381      | 27/38 + 1/41                       | 7        | 380.9956  | 326      |
|          | $1 + \frac{5}{38} + \frac{1}{43}$  | 11       | 381.0069  | 207      |
|          | $1 + \frac{14}{58} + \frac{1}{66}$ | 12       | 382.0042  | 344      |
| 382      | 31/49 + 45/54                      | 14       | 381.9954  | 308      |
|          | 20/53 + 61/62                      | 13       | 382.0076  | 188      |
|          | 19/53 + 49/62                      | 11       | 383.004   | 361      |
| 383      | 14/57 + 56/62                      | 11       | 382.9951  | 291      |
|          | $1 + \frac{1}{24} + \frac{3}{28}$  | 11       | 383.0052  | 276      |
|          | 7/43 + 58/59                       | 11       | 383.9972  | 522      |
| 384      | $1 + \frac{1}{47} + \frac{1}{49}$  | 10       | 383.9933  | 215      |
|          | 25/43 + 52/53                      | 15       | 383.9933  | 213      |
|          | 1/47 + 53/58                       | 9        | 384.998   | 735      |
| 385      | 1/51 + 32/53                       | 6        | 384.997   | 486      |
|          | 5/34 + 33/37                       | 10       | 385.0038  | 377      |
|          | 1/43 + 33/47                       | 7        | 386.0027  | 530      |
| 386      | 7/54 + 53/66                       | 9        | 385.9928  | 200      |
|          | 4/47 + 1/54                        | 1        | 386.0076  | 190      |

| Division | Manivelle Tours                    | Tours de | Divisions |          |
|----------|------------------------------------|----------|-----------|----------|
| Voulu    | et Divisions                       | la Piece | Reels     | Ø        |
|          | 9/34 + 40/41                       | 12       | 386.9983  | 835      |
| 387      | 1/47 + 20/51                       | 4        | 387.003   | 478      |
|          | 1/49 + 50/62                       | 8        | 387.0064  | 227      |
|          | $\frac{2}{59} + \frac{59}{66}$     | 9        | 387.9989  | 1312     |
| 388      | 30/53 + 48/62                      | 13       | 387.9927  | 200      |
|          | $1 + \frac{12}{38} + \frac{1}{41}$ | 13       | 388.0077  | 189      |
|          | 8/43 + 1/51                        | 2        | 389.0022  | 657      |
| 389      | 1/34 + 12/43                       | 3        | 389.0022  | 657      |
|          | 1/51 + 53/66                       | 8        | 388.9924  | 192      |
|          | 24/53 + 58/59                      | 14       | 390.0045  | 328      |
| 390      | $1 + \frac{1}{53} + \frac{53}{57}$ | 19       | 390.0051  | 286      |
|          | 1 + 40/43 + 1/54                   | 19       | 389.9934  | 220      |
|          | 3/47 + 47/49                       | 10       | 391.0017  | 862      |
| 391      | 7/49 + 56/57                       | 11       | 391.0022  | 657      |
|          | 1/39 + 29/42                       | 7        | 390.9974  | 572      |
|          | $1 + \frac{11}{53} + \frac{1}{59}$ | 12       | 391.9979  | 702      |
| 392      | $\frac{56}{62} + \frac{1}{66}$     | 9        | 391.9957  | 344      |
|          | $1 + \frac{1}{34} + \frac{4}{43}$  | 11       | 392.0049  | 301      |
|          | 1/57 + 41/59                       | 7        | 393.005   | 293      |
| 393      | 3/58 + 57/59                       | 10       | 392.9945  | 269      |
|          | 1/47 + 51/57                       | 9        | 393.0073  | 200      |
|          | 18/34 + 33/37                      | 14       | 394.0045  | 329      |
| 394      | 40/43 + 32/54                      | 15       | 394.0045  | 326      |
|          | 18/37 + 35/42                      | 13       | 393.9932  | 216      |
|          | 20/49 + 46/57                      | 12       | 395.0029  | 502      |
| 395      | $1 + \frac{1}{28} + \frac{7}{39}$  | 12       | 394.9962  | 392      |
|          | 1/30 + 36/41                       | 9        | 395.0045  | 331      |
|          | 15/34 + 36/37                      | 14       | 395.9978  | 659      |
| 396      | 22/51 + 57/58                      | 14       | 396.0029  | 517      |
|          | 17/37 + 35/41                      | 13       | 396.004   | 369      |
|          | 9/28 + 24/41                       | 9        | 397.0029  | 516      |
| 397      | 5/38 + 42/43                       | 11       | 396.9961  | 384      |
|          | 21/25 + 11/41                      | 11       | 397.007   | 211      |
|          | 35/51 + 1/58                       | 7        | 398.001   | 1551     |
| 398      | 1/38 + 20/42                       | 5        | 398.005   | 298      |
|          | 4/49 + 1/53                        | 1        | 398.0077  | 194      |
| 399      | 1/38 + 41/42                       | 10       | Exact     | $\infty$ |