ANCILLARY DOCUMENT FOR
NON-FREENESS OF GROUPS GENERATED BY TWO PARABOLIC ELEMENTS WITH SMALL RATIONAL PARAMETERS

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1. Mathematica (Version 11) code

Our computational heuristics can be summarized to definitions of five functions

$$\mathrm{SR}(x,y), \quad \textsc{RelNum}(s,r,M), \quad \textsc{Min}_3(a,b,c), \quad \textsc{RelNumMin}(s,r,M), \quad \textsc{VerifyList}(s,T).$$

The first four functions are introduced in Appendix of the paper "Non-freeness of groups generated by two parabolic elements with small rational parameters" (referred to as the Main Paper in this ancillary document). The detailed definitions and/or pseudo-code summaries of these functions can also be found in the Main Paper. We will explain the definition of $\textsc{VerifyList}(s,T)$ later in this document.

The following Mathematica code determines the above functions.

```
SR[x_Integer, y_Integer] := Module[{t}, t = x - y Floor[x/y];
   Return[
    If[t == x + y || (t != x && Abs[t] <= Abs[y]/2), t, t - y]];];

RelNum[s_Integer, r_Integer, M_Integer] :=

  Module[{flag, i, d, sg, S, x, y, Stemp},
   If[s/r >= 4 || IntegerQ[s/r] || GCD[r, s] != 1,
    Print["known cases"]; Return[]];
   x = r; y = (r - SR[r, s])/s; S = {{x, s y}}; i = 1; flag = False;
   While[i < M && ! flag, x = S[[i, 1]]; y = S[[i, 2]]/s;
    x = SR[x, s y];
    y = SR[r y, x]; x = r x;
    d = GCD[x, y]; sg = If[x >= 0, 1, -1];
    If[d != 0, x = x sg/d; y = y sg/d, x = x sg; y = y sg];
    Stemp = S;
    S = Append[S, {x, s y}];
    If[x y (Abs[x] - 1) == 0 || MemberQ[Stemp, {x, s y}]
      || MemberQ[Stemp, {x, -s y}],
```

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```
     Print[s/r, " is a relation number with a list ", S];
     flag = True]; i++;];
   If[! flag,
    Print["No answers up to ", M, " iterations for ", s/r]];
   Return[flag];];

Min3[a_Integer, b_Integer, c_Integer] :=

  Module[{ybound, y, t, x, xr, yr, min, minTemp},
   If[a b c == 0 || a < 0 || c < 0, Return[False]];
   If[Mod[b, a] == 0, Return[{-b/a, 1, c}]];
   ybound = Min[a - 2, c + Abs[c - Abs[a - Abs[b]]]];
   xr = 1; yr = 1; min = Abs[a + b + c];
   For[y = -ybound, y <= ybound, y++, If[y == 0, Continue[]];
    t = -(c/y + b)/a; x = Floor[t];
    If[x == 0 || (x != -1 && t - x > 1/2), x += 1];
    minTemp = Abs[(a x + b) y + c];
    If[minTemp < min, xr = x; yr = y; min = minTemp];];
   Return[{xr, yr, (a xr + b) yr + c}];];

RelNumMin[s_Integer, r_Integer, M_Integer] :=

  Module[{flag, i, d, sg, S, x, y, temp, u, v, xp, yp, Stemp},
   If[s/r >= 4 || IntegerQ[s/r] || GCD[r, s] != 1, Return[]];
   x = SR[r, s]; y = (r - SR[r, s])/s; sg = If[x >= 0, 1, -1];
   x = sg x; y = sg y; S = {{x, s y}}; i = 1; flag = False;
   If[y == 0, flag = True];
   While[i < M && ! flag, x = S[[i, 1]]; y = S[[i, 2]]/s;
    temp = Min3[s x, s r y, r x];
    u = temp[[1]]; v = temp[[2]]; xp = temp[[3]];
    yp = r y + u x;
    d = GCD[xp, yp]; sg = If[xp >= 0, 1, -1];
    If[d != 0, x = xp sg/d; y = yp sg/d, x = xp sg; y = yp sg];
    Stemp = S; S = Append[S, {x, s y}];
    If[x y (Abs[x] - 1) == 0 || MemberQ[Stemp, {x, s y}]
      || MemberQ[Stemp, {x, -s y}],
     Print[s/r, " is a relation number with a list ", S];
     flag = True]; i++;];
   If[! flag,
    Print["No answers up to ", M, " iterations for ", s/r]];
   Return[flag];];

VerifyList[s_Integer, M_Integer] :=
```

```
Module[{mList, mList2, lt, i, j, j2, lp, ltmp, w, flag, m, wp, d,
  DD, y, result, exc},
 exc = {}; result = {}; lp = {}; mList = Divisors[M];
 For[i = 2, i <= s - 2, i++,
  If[GCD[s, i] != 1, Continue[]];
  If[Mod[s + 1, i] == 0 || Mod[s - 1, i] == 0 ||
    Mod[s + 1, s - i] == 0 || Mod[s - 1, s - i] == 0, Continue[]];
  lp = Append[lp, i];];
 lt = lp; ltmp = {};
 For[i = 1, i < M, i++, lt = Union[lt, lp + s i];];
 For[i = 1, i <= Length[lt], i++,
  w = lt[[i]]; flag = False;
  If[Mod[w, s] == 0, flag = True;
   result = Append[result, {w, 1, 1}]; Continue[]];
  For[j = 1, j <= Length[mList] && ! flag, j++,
   m = mList[[j]];
   wp = Mod[w, s m]; d = GCD[s, wp]; DD = GCD[s m, wp];
   mList2 = Divisors[m d / DD];
   For[j2 = 1, j2 <= Length[mList2] && ! flag, j2++,
    y = mList2[[j2]];
    If[Mod[s m y + DD, wp] == 0 || Mod[s m y - DD, wp] == 0 ||
      Mod[s m y + DD, s m - wp] == 0 ||
      Mod[s m y - DD, s m - wp] == 0, flag = True;
     result = Append[result, {w, m, y}];
     exc = Union[
       exc, {{s, wp}, {s, s m - wp}, {s, DD}, {s, -DD}}]]]];
  If[! flag, ltmp = Append[ltmp, i]];];
 lt = Mod[lt[[ltmp]], s M];
 If[Length[lt] == 0,
  Return[{True, result, exc}];];
 Print["For s = ", s,
  ", the following remainders are not eliminated: ", lt,
  " modulo ", M, " * s "];
 Return[{False, lt}];];
```

2. Individual computer inputs and outputs

Following the indexing in the Main Paper, let us include relevant computer inputs and outputs that are required for the proofs of results in Appendix of the Main Paper.

2.1. **Proof of Proposition A.2 (1).** The input (full) and the output (excerpt) below conclude that every rational number $s/r \in (0,4)$ satisfying $2 \leqslant r \leqslant 10$ is a relation number, possibly except for $s/r \in \{35/9, 39, 10\}$. We also note that only $M = 5000$

iterations suffice for the algorithm to terminate in this case. Only Algorithm 1 is used in this computation.

Here is the input.

```
excp={};
For[r = 2, r <= 10, r++, For[s = 2, s <= 4 r - 1, s++,
 If[!RelNum[s, r, 5000], excp=Append[excp, {s, r}]];]];
Print["Unresolved cases are :", excp, ": END"];
```

The relevant output for us is as below.

```
Unresolved cases are :{{35,9},{39,10}}: END
```

2.2. **Proof of Proposition A.2 (2).** Similarly to the previous subsection, we verify that every rational number $s/r \in (0,4)$ satisfying $2 \leqslant s \leqslant 30$ and $s/r \geqslant 1/10$ is a relation number, possibly except for $s/r \in \{28/17, 29/17\}$. Up to this point, only Algorithm 1 is used with at most 5000 iterations. Then, we feed the unresolved rational numbers $\{28/17, 29/17\}$ to Algorithm 2 and see that these two numbers are also relation numbers.

Here is the input.

```
excp={};
For[s = 2, s <= 30, s++, For[r = 2, r <= 10 s, r++,
 If[GCD[s, r] == 1 && !RelNum[s, r, 5000],
  excp=Append[excp, {s, r}]];]];
Print["Unresolved cases are :", excp, ": END"];
```

The relevant output for us is as below.

```
Unresolved cases are :{{28,17},{29,17}}: END
```

Then we make another input as below.

```
RelNumMin[28, 17, 10];
RelNumMin[29, 17, 10];
```

We have the output

```
28/17 is a relation number with a list {{11,-28},{19,-168},
{13,-336},{3,-112},{5,-28},{1,84}}
29/17 is a relation number with a list {{12,-29},{1,203}}
```

This completes the proof.

2.3. **Proof of Proposition B.1.** Let us first explain the function $\textsc{VerifyList}(s,T)$. Fix positive integers s and T. Then for each choice of $w \in [1, sT]$ with $\gcd(w,s) = 1$, this function tries to find a triple (w', m, y) satisfying the conditions (i) through (iii) of Claim 1 in Appendix of the Main Paper. If this trial succeeds for all choices of w, then the function outputs a list of (w, m, y) that certifies each $(w\,;sm)$ is a s–good residue class, and also certifies the union of all such residue classes cover $\mathbb{Z}$.

After running VerifyList(s, t_s) for the range $12 \leqslant s \leqslant 27$ and for specific choices t_s given in the Main Paper, then we verify Part (iv) of Claim 1.

This whole process is done by the following Mathematica input.

```
listgood = {};
excp = {}; excp2 = {}; T = {2, 2, 2, 2, 2, 3, 6, 2, 4, 6, 12, 12,
  1680, 6, 60, 60};
For[s = 12, s <= 27, s++,
  l0 = VerifyList[s, T[[s - 11]]]; l = l0[[2]]; flag = l0[[1]];
  If[flag, listgood = Append[listgood, s];
   Print[s, "/r is a relation number for almost all r;"];
   Print["this is certified by the list of s-good cosets ", l];
   excp = Union[excp, l0[[3]]];];];
Print["The list of s such that s/r is a relation number
  for almost all r:"];
Print[listgood];
Print["Pairs of (s,r) that require individual verifications:", excp];
For[i = 1, i <= Length[excp], i++, s = excp[[i, 1]];
  r = excp[[i, 2]];
  If[! RelNum[s, Abs[r], 5000],
   Print["No answer found for s/r = ", s/r];
   excp2 = Append[excp2, {s, r}]]];
If[excp2 == {}, Print["Individual verification is complete."]];
```

The relevant output for us is as below.

```
The list of s such that s/r is a relation number
for almost all r:
{12,13,14,15,16,17,18,19,20,21,22,23,25,26,27}
```

This completes the proof of Parts (i) through (iv) of Claim.

3. The full output of the code

For completeness, let us include the full outputs of the inputs from the previous section below.

In[19]:=
```
excp = {};
For[r = 2, r ≤ 10, r++, For[s = 2, s ≤ 4 r - 1, s++,
   If[! RelNum[s, r, 5000], excp = Append[excp, {s, r}]];]];
Print["Unresolved cases are :", excp, ": END"];
```

known cases

$\frac{3}{2}$ is a relation number with a list {{2, 3}, {1, 0}}

known cases

$\frac{5}{2}$ is a relation number with a list {{2, 5}, {6, 5}, {1, 0}}

known cases

$\frac{7}{2}$ is a relation number with a list

{{2, 7}, {10, 21}, {22, 35}, {26, 21}, {10, 7}, {6, -7}, {1, 0}}

$\frac{2}{3}$ is a relation number with a list {{3, 2}, {1, 0}}

known cases

$\frac{4}{3}$ is a relation number with a list {{3, 4}, {1, 0}}

$\frac{5}{3}$ is a relation number with a list {{3, 5}, {6, 5}, {1, 0}}

known cases

$\frac{7}{3}$ is a relation number with a list {{3, 7}, {12, 7}, {6, 7}, {1, 0}}

$\frac{8}{3}$ is a relation number with a list {{3, 8}, {15, 16}, {1, 0}}

known cases

$\frac{10}{3}$ is a relation number with a list

{{3, 10}, {21, 40}, {57, 70}, {39, 50}, {33, -40}, {21, -20}, {1, 0}}

$\frac{11}{3}$ is a relation number with a list {{3, 11}, {24, 55}, {93, 176}, {249, 385},

{408, 341}, {201, 286}, {255, 77}, {24, -11}, {6, 11}, {15, 22}, {21, 11}, {1, 0}}

known cases

$\frac{3}{4}$ is a relation number with a list {{4, 3}, {1, 0}}

known cases

$\frac{5}{4}$ is a relation number with a list {{4, 5}, {1, 0}}

known cases

$\frac{7}{4}$ is a relation number with a list {{4, 7}, {12, -7}, {1, 0}}

known cases

$\frac{9}{4}$ is a relation number with a list {{4, 9}, {20, 9}, {1, 0}}

known cases

$\frac{11}{4}$ is a relation number with a list {{4, 11}, {28, 33}, {10, -11}, {1, 0}}

known cases

$\frac{13}{4}$ is a relation number with a list {{4, 13}, {36, 65}, {116, 117}, {1, 0}}

known cases

$\frac{15}{4}$ is a relation number with a list

{{4, 15}, {44, 105}, {244, 495}, {1004, 1785}, {3124, 4575},
{5804, 3465}, {2252, 1515}, {2948, -4995}, {8188, -10 725}, {10 148, 4845},
{916, -615}, {1204, 2055}, {3404, 4545}, {4564, -1065}, {304, 75}, {1, 0}}

$\frac{2}{5}$ is a relation number with a list {{5, 4}, {1, 0}}

$\frac{3}{5}$ is a relation number with a list {{5, 6}, {1, 0}}

$\frac{4}{5}$ is a relation number with a list {{5, 4}, {1, 0}}

known cases

$\frac{6}{5}$ is a relation number with a list {{5, 6}, {1, 0}}

$\frac{7}{5}$ is a relation number with a list {{5, 7}, {10, 7}, {15, -7}, {1, 0}}

$\frac{8}{5}$ is a relation number with a list {{5, 8}, {15, 8}, {1, 0}}

$\frac{9}{5}$ is a relation number with a list {{5, 9}, {20, -9}, {10, 9}, {1, 0}}

known cases

$\frac{11}{5}$ is a relation number with a list

{{5, 11}, {30, 11}, {15, 11}, {20, 11}, {10, 11}, {1, 0}}

$\frac{12}{5}$ is a relation number with a list {{5, 12}, {35, 24}, {55, -12}, {1, 0}}

$\frac{13}{5}$ is a relation number with a list {{5, 13}, {40, 39}, {1, 0}}

$\frac{14}{5}$ is a relation number with a list {{5, 14}, {45, 56}, {55, 28}, {1, 0}}

known cases

$\frac{16}{5}$ is a relation number with a list {{5, 16}, {55, 96}, {205, 176}, {145, -48}, {1, 0}}

$\frac{17}{5}$ is a relation number with a list {{5, 17}, {60, 119}, {295, 408},
{565, -119}, {30, 17}, {20, -17}, {15, 17}, {10, 17}, {35, 34}, {1, 0}}

$\frac{18}{5}$ is a relation number with a list {{5, 18}, {65, 144}, {395, 702}, {1535, 2016},
{2405, -1422}, {2195, -792}, {905, 702}, {1015, -144}, {35, 36}, {1, 0}}

$\frac{19}{5}$ is a relation number with a list
{{5, 19}, {70, 171}, {505, 1064}, {2795, 5301}, {12 530, 21 109}, {42 895, 57 456},
{72 805, -10 621}, {7710, -5491}, {11 095, 14 706}, {18 055, -4921},
{8145, -6346}, {8995, 2451}, {4045, 3116}, {4645, -2071},
{2515, -798}, {605, 608}, {15, -19}, {20, 19}, {1, 0}}

known cases

known cases

known cases

$\frac{5}{6}$ is a relation number with a list {{6, 5}, {1, 0}}

known cases

$\frac{7}{6}$ is a relation number with a list {{6, 7}, {1, 0}}

known cases

known cases

known cases

$\frac{11}{6}$ is a relation number with a list {{6, 11}, {30, -11}, {1, 0}}

known cases

$\frac{13}{6}$ is a relation number with a list {{6, 13}, {42, 13}, {1, 0}}

known cases

known cases

known cases

$\frac{17}{6}$ is a relation number with a list {{6, 17}, {66, 85}, {57, 68}, {33, -17}, {1, 0}}

known cases

$\frac{19}{6}$ is a relation number with a list {{6, 19}, {78, 133},
{330, 247}, {498, -95}, {138, -133}, {15, -19}, {12, 19}, {42, 19}, {12, 19}}

known cases

known cases

known cases

$\frac{23}{6}$ is a relation number with a list

{{6, 23}, {102, 253}, {906, 1955}, {6294, 12 397}, {36 618, 65 987}, {176 214, 279 565}, {620 106, 699 683}, {238 731, -268 778}, {90 141, 115 253}, {75 336, -56 971}, {110 190, 80 569}, {177 726, -197 869}, {40 286, -67 551}, {163 590, -221 789}, {349 194, -7843}, {7482, -12 995}, {33 078, -48 829}, {94 506, -69 299}, {151 242, 163 967}, {25 450, -35 259}, {58 854, -14 053}, {3963, -5888}, {11 550, -8947}, {15 618, 6187}, {5886, 10 189}, {25 818, 37 835}, {72 102, 49 381}, {136 326, -226 297}, {539 826, -711 551}, {1 030 350, 319 631}, {47 638, 30 475}, {39 936, 61 663}, {130 362, 129 743}, {3714, -4577}, {5178, 7613}, {14 610, 10 327}, {25 698, -36 547}, {65 094, -30 245}, {13 812, 15 157}, {2690, 621}, {309, -253}, {168, -115}, {318, 529}, {1266, 1679}, {2478, -575}, {267, 161}, {330, 299}, {62, -115}, {318, -529}}

$\frac{2}{7}$ is a relation number with a list {{7, 6}, {1, 0}}

$\frac{3}{7}$ is a relation number with a list {{7, 6}, {1, 0}}

$\frac{4}{7}$ is a relation number with a list {{7, 8}, {1, 0}}

$\frac{5}{7}$ is a relation number with a list {{7, 5}, {14, 5}, {1, 0}}

$\frac{6}{7}$ is a relation number with a list {{7, 6}, {1, 0}}

known cases

$\frac{8}{7}$ is a relation number with a list {{7, 8}, {1, 0}}

$\frac{9}{7}$ is a relation number with a list {{7, 9}, {14, 9}, {28, 9}, {1, 0}}

$\frac{10}{7}$ is a relation number with a list {{7, 10}, {21, -10}, {1, 0}}

$\frac{11}{7}$ is a relation number with a list

{{7, 11}, {28, 11}, {35, -22}, {63, -44}, {133, -99}, {238, 55}, {126, -11}, {35, -22}}

$\frac{12}{7}$ is a relation number with a list {{7, 12}, {35, -24}, {77, -36}, {35, -12}, {1, 0}}

$\frac{13}{7}$ is a relation number with a list

{{7, 13}, {42, -13}, {21, -13}, {35, 26}, {63, -52}, {77, 65}, {84, -13}, {42, -13}}

known cases

$\frac{15}{7}$ is a relation number with a list {{7, 15}, {56, 15}, {28, 15}, {14, 15}, {1, 0}}

$\frac{16}{7}$ is a relation number with a list {{7, 16}, {63, 32}, {1, 0}}

$\frac{17}{7}$ is a relation number with a list

{{7, 17}, {70, 51}, {133, 34}, {21, 17}, {28, -17}, {42, 17}, {56, -17}, {35, -34}, {1, 0}}

$\frac{18}{7}$ is a relation number with a list {{7, 18}, {77, 72}, {35, -36}, {1, 0}}

$\frac{19}{7}$ is a relation number with a list {{7, 19}, {84, 95}, {77, -38}, {1, 0}}

$\frac{20}{7}$ is a relation number with a list

{{7, 20}, {91, 120}, {203, -260}, {399, -460}, {427, -440}, {91, -40}, {77, -60}, {119, -80}, {273, 220}, {371, 480}, {763, 1000}, {1659, -2260}, {4207, 3800}, {2849, 2180}, {4683, 1880}, {6461, -5300}, {8127, 9340}, {8491, 7400}, {7637, 8160}, {3661, -4820}, {8113, 10 560}, {17 129, 23 960}, {47 817, -31 100}, {100 681, -69 960}, {215 047, 124 700}, {240 471, -185 840}, {382 417, -208 260}, {238 721, 93 700}, {296 653, 191 680}, {606 949, 392 380}, {1 244 677, 809 560}, {2 621 101, 1 821 940}, {5 594 127, -3 229 640}, {6 056 071, 5 304 420}, {5 261 557, 7 064 900}, {12 623 401, -13 387 440}, {5 348 273, 2 027 400}, {5 137 489, 486 740}, {1 516 557, 925 840}, {2 345 861, 221 580}, {640 633, 279 320}, {573 951, 315 380}, {397 663, 64 700}, {66 241, 74 380}, {56 973, -32 320}, {53 669, 72 900}, {134 617, -125 680}, {62 559, 13 940}, {47 593, -38 400}, {64 351, -84 940}, {144 123, 182 800}, {270 739, 267 480}, {22 813, -17 860}, {34 671, -25 960}, {60 977, -7500}, {6839, 6120}, {5033, -300}, {469, -580}, {777, -380}, {119, 60}, {1, 0}}

known cases

$\frac{22}{7}$ is a relation number with a list

{{7, 22}, {105, 176}, {497, 330}, {1141, 1276}, {945, -22}, {1, 0}}

$\frac{23}{7}$ is a relation number with a list

{{7, 23}, {112, 207}, {665, 736}, {497, -253}, {63, -92}, {203, -23}, {28, -23}, {35, -46}, {77, 69}, {56, -69}, {91, -115}, {168, 253}, {595, 184}, {301, 299}, {14, 23}, {63, 46}, {119, -69}, {133, 46}, {35, 23}, {77, 92}, {105, 46}, {91, 23}, {1, 0}}

$\frac{24}{7}$ is a relation number with a list {{7, 24}, {119, 240},

{847, 1224}, {2639, 480}, {1673, -2376}, {4921, -240}, {17, -24}, {1, 0}}

$\frac{25}{7}$ is a relation number with a list

{{7, 25}, {126, 275}, {1043, 1800}, {5299, 6325}, {7182, 7025}, {1099, -1850},
{5257, -5825}, {3976, -1825}, {2282, 3525}, {8701, 6400}, {16 107, -12 725},
{23 674, -4525}, {7343, -5450}, {13 251, 9175}, {28 532, -37 675},
{64 001, 35 150}, {44 093, 68 900}, {173 649, 137 875}, {250 418, 70 775},
{228 774, 321 625}, {649 957, 69 900}, {145 999, -32 125}, {102 382, -140 775},
{268 751, 25 600}, {89 257, -139 575}, {352 226, -280 925}, {499 107, -183 950},
{369 201, -30 925}, {13 293, -20 900}, {53 249, -43 875}, {65 618, -72 775},
{50 099, -27 350}, {32 207, -38 600}, {44 751, -49 450}, {32 893, -6275},
{10 626, -5975}, {9268, 8725}, {3801, 6775}, {20 818, 26 925}, {42 749, -35 800},
{48 643, -76 875}, {197 624, -167 675}, {209 643, 323 725}, {798 574, 585 975},
{1 488 193, -1 213 150}, {1 925 301, -1 615 975}, {2 165 282, -3 578 675},
{9 893 751, -10 284 100}, {390 349, 525 375}, {945 182, -301 975}, {274 799, -150 975},
{190 057, -300 725}, {774 676, -661 625}, {791 357, 1 021 175}, {1 608 726, -1 402 775},
{1 441 657, 478 125}, {50 974, 69 975}, {133 007, -14 800}, {193, 325}, {924, 1025},
{707, 400}, {651, -475}, {1232, 1075}, {1099, -325}, {868, 825}, {301, 400},
{693, -325}, {301, -125}, {357, 400}, {301, 425}, {868, 125}, {1, 0}}

$\frac{26}{7}$ is a relation number with a list

{{7, 26}, {133, 312}, {1253, 2470}, {8519, 14 352}, {40 831, 51 194},
{72 541, -88 920}, {114 653, 196 586}, {573 531, 754 156}, {1 264 375, -582 842},
{690 837, 1 052 038}, {2 528 407, 2 026 960}, {3 510 129, 1 151 098}, {397 845, 669 136},
{1 899 037, 2 369 614}, {3 294 039, -4 352 296}, {7 407 799, 2 951 390},
{10 124 597, 16 945 916}, {47 749 233, 58 732 882}, {76 885 543, -125 555 300},
{340 688 299, -386 526 582}, {320 867 981, 322 095 358}, {8 591 639, 11 070 436},
{17 351 579, -13 044 330}, {30 150 743, 20 678 164}, {66 308 053, -101 539 906},
{246 622 971, -205 248 836}, {289 618 945, -361 014 342}, {499 767 779, 670 820 072},
{1 197 366 051, -248 380 886}, {311 768 653, -577 329 506}, {1 858 925 971, -2 863 275 636},
{7 030 447 655, -6 070 161 838}, {6 722 000 719, 7 443 729 618}, {5 052 102 293, 4 188 746 796},
{6 043 488 479, 6 873 984 650}, {5 813 473 197, -4 932 091 658}, {6 169 670 773, 11 307 198 422},
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known cases

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{5229, 6596}, {12 303, -12 886}, {1749, -986}, {2007, 1292}, {5193, 7990},
{25 173, 23 188}, {5955, 2074}, {801, -170}, {441, -136}, {99, -34}, {1, 0}}

No answers up to 5000 iterations for $\frac{35}{9}$

known cases

$\frac{3}{10}$ is a relation number with a list {{10, 9}, {1, 0}}

known cases

known cases

known cases

$\frac{7}{10}$ is a relation number with a list {{10, 7}, {30, 7}, {1, 0}}

known cases

$\frac{9}{10}$ is a relation number with a list {{10, 9}, {1, 0}}

known cases

$\frac{11}{10}$ is a relation number with a list {{10, 11}, {1, 0}}

known cases

$\frac{13}{10}$ is a relation number with a list {{10, 13}, {30, -13}, {20, 13}, {30, 13}}

known cases

known cases

known cases

$\frac{17}{10}$ is a relation number with a list

{{10, 17}, {70, -51}, {95, 68}, {270, 221}, {490, -289}, {440, -51}, {95, -68}}

known cases

$\frac{19}{10}$ is a relation number with a list {{10, 19}, {90, -19}, {1, 0}}

known cases

$\frac{21}{10}$ is a relation number with a list {{10, 21}, {110, 21}, {1, 0}}

known cases

$\frac{23}{10}$ is a relation number with a list

{{10, 23}, {130, 69}, {40, 23}, {30, 23}, {70, 69}, {1, 0}}

known cases

known cases

known cases

$\frac{27}{10}$ is a relation number with a list

{{10, 27}, {170, 189}, {95, 81}, {70, 27}, {110, 27}, {1, 0}}

known cases

$\frac{29}{10}$ is a relation number with a list {{10, 29}, {190, 261}, {710, -551},

{1590, -899}, {1040, 1479}, {4390, -2059}, {1360, 1537}, {1770, 29}, {1, 0}}

known cases

$\frac{31}{10}$ is a relation number with a list

{{10, 31}, {210, 341}, {1310, 651}, {40, 31}, {90, 31}, {30, -31}, {1, 0}}

known cases

$\frac{33}{10}$ is a relation number with a list {{10, 33}, {230, 429}, {1990, 2277},

{1435, -1914}, {4790, 3333}, {14 570, -14 751}, {362, -363}, {1, 0}}

known cases

known cases

known cases

$\frac{37}{10}$ is a relation number with a list

{{10, 37}, {270, 629}, {3590, 6993}, {34 030, 55 981}, {219 510, 252 377},
{164 335, -45 806}, {188 890, -240 833}, {519 430, 486 439}, {164 955, -9139},
{906, -1517}, {6110, -7437}, {6635, -11 914}, {52 790, -76 183},
{233 930, -103 711}, {132 540, -28 157}, {16 490, -4699}, {5765, -9583},
{9545, -11 359}, {9070, -10 323}, {6265, 5254}, {10 110, 15 133},
{50 230, 34 521}, {157 090, -236 023}, {789 330, -560 291}, {2 290 390, 2 871 533},
{5 811 430, -7 213 039}, {14 016 090, 20 270 857}, {62 547 670, 28 717 809},
{25 560 260, -45 556 879}, {199 966 190, -284 306 113}, {843 399 230, -277 516 021},
{108 511 670, 35 292 043}, {13 177 705, -18 569 819}, {13 480 285, -3 452 507},
{3 297 430, -2 076 403}, {4 276 880, -5 442 441}, {11 655 610, 11 298 653},
{3 569 570, -5 880 151}, {23 105 810, -26 689 987}, {17 920 885, 835 386},
{3 777 790, -5 623 963}, {18 461 730, -12 068 771}, {28 379 060, -44 658 667},
{162 796 070, -155 758 789}, {35 186 405, 2 344 246}, {22 715, -9028},
{43 690, -71 373}, {276 830, -310 541}, {168 555, 305 398}, {1 368 430, 2 009 211},
{6 407 810, 3 616 787}, {4 128 820, -2 807 301}, {13 215 190, 20 823 193},
{76 080 030, 73 264 181}, {28 158 490, 3 336 919}, {3 657 845, -5 191 729},
{7 669 420, -2 418 209}, {2 073 965, 3 256 296}, {11 823 310, 11 183 287},
{1 280 046, -1 314 277}, {34 231, 47 730}, {134 990, 22 163}, {10 060, -851}, {760, -1369},
{6090, -8843}, {27 530, -13 431}, {668, -1073}, {810, -851}, {205, -296},
{910, -407}, {480, -259}, {190, -111}, {160, -37}, {60, 37}, {35, 37}, {1, 0}}

known cases

No answers up to 5000 iterations for $\frac{39}{10}$

Unresolved cases are :{{35, 9}, {39, 10}}: END

In[16]:=
```
excp = {};
For[s = 2, s ≤ 30, s++, For[r = 2, r ≤ 10 s, r++,
   If[GCD[s, r] == 1 && ! RelNum[s, r, 5000], excp = Append[excp, {s, r}]];]];
Print["Unresolved cases are :", excp, ": END"];
```

$\frac{2}{3}$ is a relation number with a list {{3, 2}, {1, 0}}

$\frac{2}{5}$ is a relation number with a list {{5, 4}, {1, 0}}

$\frac{2}{7}$ is a relation number with a list {{7, 6}, {1, 0}}

$\frac{2}{9}$ is a relation number with a list {{9, 8}, {1, 0}}

$\frac{2}{11}$ is a relation number with a list {{11, 10}, {1, 0}}

$\frac{2}{13}$ is a relation number with a list {{13, 12}, {1, 0}}

$\frac{2}{15}$ is a relation number with a list {{15, 14}, {1, 0}}

$\frac{2}{17}$ is a relation number with a list {{17, 16}, {1, 0}}

$\frac{2}{19}$ is a relation number with a list {{19, 18}, {1, 0}}

$\frac{3}{2}$ is a relation number with a list {{2, 3}, {1, 0}}

$\frac{3}{4}$ is a relation number with a list {{4, 3}, {1, 0}}

$\frac{3}{5}$ is a relation number with a list {{5, 6}, {1, 0}}

$\frac{3}{7}$ is a relation number with a list {{7, 6}, {1, 0}}

$\frac{3}{8}$ is a relation number with a list {{8, 9}, {1, 0}}

$\frac{3}{10}$ is a relation number with a list {{10, 9}, {1, 0}}

$\frac{3}{11}$ is a relation number with a list {{11, 12}, {1, 0}}

$\frac{3}{13}$ is a relation number with a list {{13, 12}, {1, 0}}

$\frac{3}{14}$ is a relation number with a list {{14, 15}, {1, 0}}

$\frac{3}{16}$ is a relation number with a list {{16, 15}, {1, 0}}

$\frac{3}{17}$ is a relation number with a list {{17, 18}, {1, 0}}

$\frac{3}{19}$ is a relation number with a list {{19, 18}, {1, 0}}

$\frac{3}{20}$ is a relation number with a list {{20, 21}, {1, 0}}

$\frac{3}{22}$ is a relation number with a list {{22, 21}, {1, 0}}

$\frac{3}{23}$ is a relation number with a list {{23, 24}, {1, 0}}

$\frac{3}{25}$ is a relation number with a list {{25, 24}, {1, 0}}

$\frac{3}{26}$ is a relation number with a list {{26, 27}, {1, 0}}

$\frac{3}{28}$ is a relation number with a list {{28, 27}, {1, 0}}

$\frac{3}{29}$ is a relation number with a list {{29, 30}, {1, 0}}

$\frac{4}{3}$ is a relation number with a list {{3, 4}, {1, 0}}

$\frac{4}{5}$ is a relation number with a list {{5, 4}, {1, 0}}

$\frac{4}{7}$ is a relation number with a list {{7, 8}, {1, 0}}

$\frac{4}{9}$ is a relation number with a list {{9, 8}, {1, 0}}

$\frac{4}{11}$ is a relation number with a list {{11, 12}, {1, 0}}

$\frac{4}{13}$ is a relation number with a list {{13, 12}, {1, 0}}

$\frac{4}{15}$ is a relation number with a list {{15, 16}, {1, 0}}

$\frac{4}{17}$ is a relation number with a list {{17, 16}, {1, 0}}

$\frac{4}{19}$ is a relation number with a list {{19, 20}, {1, 0}}

$\frac{4}{21}$ is a relation number with a list {{21, 20}, {1, 0}}

$\frac{4}{23}$ is a relation number with a list {{23, 24}, {1, 0}}

$\frac{4}{25}$ is a relation number with a list {{25, 24}, {1, 0}}

$\frac{4}{27}$ is a relation number with a list {{27, 28}, {1, 0}}

$\frac{4}{29}$ is a relation number with a list {{29, 28}, {1, 0}}

$\frac{4}{31}$ is a relation number with a list {{31, 32}, {1, 0}}

$\frac{4}{33}$ is a relation number with a list {{33, 32}, {1, 0}}

$\frac{4}{35}$ is a relation number with a list {{35, 36}, {1, 0}}

$\frac{4}{37}$ is a relation number with a list {{37, 36}, {1, 0}}

$\frac{4}{39}$ is a relation number with a list {{39, 40}, {1, 0}}

$\frac{5}{2}$ is a relation number with a list {{2, 5}, {6, 5}, {1, 0}}

$\frac{5}{3}$ is a relation number with a list {{3, 5}, {6, 5}, {1, 0}}

$\frac{5}{4}$ is a relation number with a list {{4, 5}, {1, 0}}

$\frac{5}{6}$ is a relation number with a list {{6, 5}, {1, 0}}

$\frac{5}{7}$ is a relation number with a list {{7, 5}, {14, 5}, {1, 0}}

$\frac{5}{8}$ is a relation number with a list {{8, 10}, {1, 0}}

$\frac{5}{9}$ is a relation number with a list {{9, 10}, {1, 0}}

$\frac{5}{11}$ is a relation number with a list {{11, 10}, {1, 0}}

$\frac{5}{12}$ is a relation number with a list {{12, 10}, {1, 0}}

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$\frac{5}{14}$ is a relation number with a list {{14, 15}, {1, 0}}

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$\frac{5}{18}$ is a relation number with a list {{18, 20}, {1, 0}}

$\frac{5}{19}$ is a relation number with a list {{19, 20}, {1, 0}}

$\frac{5}{21}$ is a relation number with a list {{21, 20}, {1, 0}}

$\frac{5}{22}$ is a relation number with a list {{22, 20}, {1, 0}}

$\frac{5}{23}$ is a relation number with a list {{23, 25}, {46, 5}, {1, 0}}

$\frac{5}{24}$ is a relation number with a list {{24, 25}, {1, 0}}

$\frac{5}{26}$ is a relation number with a list {{26, 25}, {1, 0}}

$\frac{5}{27}$ is a relation number with a list {{27, 25}, {54, 5}, {1, 0}}

$\frac{5}{28}$ is a relation number with a list {{28, 30}, {1, 0}}

$\frac{5}{29}$ is a relation number with a list {{29, 30}, {1, 0}}

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$\frac{5}{32}$ is a relation number with a list {{32, 30}, {1, 0}}

$\frac{5}{33}$ is a relation number with a list {{33, 35}, {66, 5}, {1, 0}}

$\frac{5}{34}$ is a relation number with a list {{34, 35}, {1, 0}}

$\frac{5}{36}$ is a relation number with a list {{36, 35}, {1, 0}}

$\frac{5}{37}$ is a relation number with a list {{37, 35}, {74, 5}, {1, 0}}

$\frac{5}{38}$ is a relation number with a list {{38, 40}, {1, 0}}

$\frac{5}{39}$ is a relation number with a list {{39, 40}, {1, 0}}

$\frac{5}{41}$ is a relation number with a list {{41, 40}, {1, 0}}

$\frac{5}{42}$ is a relation number with a list {{42, 40}, {1, 0}}

$\frac{5}{43}$ is a relation number with a list {{43, 45}, {86, 5}, {1, 0}}

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$\frac{5}{46}$ is a relation number with a list {{46, 45}, {1, 0}}

$\frac{5}{47}$ is a relation number with a list {{47, 45}, {94, 5}, {1, 0}}

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$\frac{5}{49}$ is a relation number with a list {{49, 50}, {1, 0}}

$\frac{6}{5}$ is a relation number with a list {{5, 6}, {1, 0}}

$\frac{6}{7}$ is a relation number with a list {{7, 6}, {1, 0}}

$\frac{6}{11}$ is a relation number with a list {{11, 12}, {1, 0}}

$\frac{6}{13}$ is a relation number with a list {{13, 12}, {1, 0}}

$\frac{6}{17}$ is a relation number with a list {{17, 18}, {1, 0}}

$\frac{6}{19}$ is a relation number with a list {{19, 18}, {1, 0}}

$\frac{6}{23}$ is a relation number with a list {{23, 24}, {1, 0}}

$\frac{6}{25}$ is a relation number with a list {{25, 24}, {1, 0}}

$\frac{6}{29}$ is a relation number with a list {{29, 30}, {1, 0}}

$\frac{6}{31}$ is a relation number with a list {{31, 30}, {1, 0}}

$\frac{6}{35}$ is a relation number with a list {{35, 36}, {1, 0}}

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$\frac{6}{59}$ is a relation number with a list {{59, 60}, {1, 0}}

$\frac{7}{2}$ is a relation number with a list
{{2, 7}, {10, 21}, {22, 35}, {26, 21}, {10, 7}, {6, -7}, {1, 0}}

$\frac{7}{3}$ is a relation number with a list {{3, 7}, {12, 7}, {6, 7}, {1, 0}}

$\frac{7}{4}$ is a relation number with a list {{4, 7}, {12, -7}, {1, 0}}

$\frac{7}{5}$ is a relation number with a list {{5, 7}, {10, 7}, {15, -7}, {1, 0}}

$\frac{7}{6}$ is a relation number with a list {{6, 7}, {1, 0}}

$\frac{7}{8}$ is a relation number with a list {{8, 7}, {1, 0}}

$\frac{7}{9}$ is a relation number with a list {{9, 7}, {18, 7}, {1, 0}}

$\frac{7}{10}$ is a relation number with a list {{10, 7}, {30, 7}, {1, 0}}

$\frac{7}{11}$ is a relation number with a list {{11, 14}, {33, -7}, {22, 7}, {1, 0}}

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$\frac{7}{13}$ is a relation number with a list {{13, 14}, {1, 0}}

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$\frac{7}{16}$ is a relation number with a list {{16, 14}, {1, 0}}

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$\frac{7}{27}$ is a relation number with a list {{27, 28}, {1, 0}}

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$\frac{7}{30}$ is a relation number with a list {{30, 28}, {1, 0}}

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$\frac{7}{32}$ is a relation number with a list {{32, 35}, {96, -7}, {1, 0}}

$\frac{7}{33}$ is a relation number with a list {{33, 35}, {66, 7}, {1, 0}}

$\frac{7}{34}$ is a relation number with a list {{34, 35}, {1, 0}}

$\frac{7}{36}$ is a relation number with a list {{36, 35}, {1, 0}}

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$\frac{7}{46}$ is a relation number with a list {{46, 49}, {138, -7}, {1, 0}}

$\frac{7}{47}$ is a relation number with a list {{47, 49}, {94, 7}, {141, -7}, {1, 0}}

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$\frac{7}{57}$ is a relation number with a list {{57, 56}, {1, 0}}

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$\frac{7}{65}$ is a relation number with a list {{65, 63}, {130, 7}, {195, 7}, {1, 0}}

$\frac{7}{66}$ is a relation number with a list {{66, 63}, {1, 0}}

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$\frac{7}{69}$ is a relation number with a list {{69, 70}, {1, 0}}

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$\frac{8}{9}$ is a relation number with a list {{9, 8}, {1, 0}}

$\frac{8}{11}$ is a relation number with a list {{11, 8}, {33, -8}, {1, 0}}

$\frac{8}{13}$ is a relation number with a list {{13, 16}, {39, 8}, {1, 0}}

$\frac{8}{15}$ is a relation number with a list {{15, 16}, {1, 0}}

$\frac{8}{17}$ is a relation number with a list {{17, 16}, {1, 0}}

$\frac{8}{19}$ is a relation number with a list {{19, 16}, {57, -8}, {1, 0}}

$\frac{8}{21}$ is a relation number with a list {{21, 24}, {1, 0}}

$\frac{8}{23}$ is a relation number with a list {{23, 24}, {1, 0}}

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$\frac{8}{27}$ is a relation number with a list {{27, 24}, {1, 0}}

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$\frac{8}{33}$ is a relation number with a list {{33, 32}, {1, 0}}

$\frac{8}{35}$ is a relation number with a list {{35, 32}, {105, -8}, {1, 0}}

$\frac{8}{37}$ is a relation number with a list {{37, 40}, {111, 8}, {1, 0}}

$\frac{8}{39}$ is a relation number with a list {{39, 40}, {1, 0}}

$\frac{8}{41}$ is a relation number with a list {{41, 40}, {1, 0}}

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$\frac{8}{49}$ is a relation number with a list {{49, 48}, {1, 0}}

$\frac{8}{51}$ is a relation number with a list {{51, 48}, {1, 0}}

$\frac{8}{53}$ is a relation number with a list {{53, 56}, {159, 8}, {1, 0}}

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$\frac{8}{57}$ is a relation number with a list {{57, 56}, {1, 0}}

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$\frac{8}{61}$ is a relation number with a list {{61, 64}, {183, 8}, {1, 0}}

$\frac{8}{63}$ is a relation number with a list {{63, 64}, {1, 0}}

$\frac{8}{65}$ is a relation number with a list {{65, 64}, {1, 0}}

$\frac{8}{67}$ is a relation number with a list {{67, 64}, {201, -8}, {1, 0}}

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$\frac{8}{73}$ is a relation number with a list {{73, 72}, {1, 0}}

$\frac{8}{75}$ is a relation number with a list {{75, 72}, {1, 0}}

$\frac{8}{77}$ is a relation number with a list {{77, 80}, {231, 8}, {1, 0}}

$\frac{8}{79}$ is a relation number with a list {{79, 80}, {1, 0}}

known cases

$\frac{9}{4}$ is a relation number with a list {{4, 9}, {20, 9}, {1, 0}}

$\frac{9}{5}$ is a relation number with a list {{5, 9}, {20, -9}, {10, 9}, {1, 0}}

$\frac{9}{7}$ is a relation number with a list {{7, 9}, {14, 9}, {28, 9}, {1, 0}}

$\frac{9}{8}$ is a relation number with a list {{8, 9}, {1, 0}}

$\frac{9}{10}$ is a relation number with a list {{10, 9}, {1, 0}}

$\frac{9}{11}$ is a relation number with a list {{11, 9}, {22, 9}, {44, -9}, {1, 0}}

$\frac{9}{13}$ is a relation number with a list {{13, 9}, {52, 9}, {26, 9}, {1, 0}}

$\frac{9}{14}$ is a relation number with a list {{14, 18}, {1, 0}}

$\frac{9}{16}$ is a relation number with a list {{16, 18}, {1, 0}}

$\frac{9}{17}$ is a relation number with a list {{17, 18}, {1, 0}}

$\frac{9}{19}$ is a relation number with a list {{19, 18}, {1, 0}}

$\frac{9}{20}$ is a relation number with a list {{20, 18}, {1, 0}}

$\frac{9}{22}$ is a relation number with a list {{22, 18}, {1, 0}}

$\frac{9}{23}$ is a relation number with a list {{23, 27}, {92, -9}, {46, 9}, {1, 0}}

$\frac{9}{25}$ is a relation number with a list {{25, 27}, {50, 9}, {100, -9}, {1, 0}}

$\frac{9}{26}$ is a relation number with a list {{26, 27}, {1, 0}}

$\frac{9}{28}$ is a relation number with a list {{28, 27}, {1, 0}}

$\frac{9}{29}$ is a relation number with a list {{29, 27}, {58, 9}, {116, 9}, {1, 0}}

$\frac{9}{31}$ is a relation number with a list {{31, 27}, {124, 9}, {62, 9}, {1, 0}}

$\frac{9}{32}$ is a relation number with a list {{32, 36}, {1, 0}}

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$\frac{9}{37}$ is a relation number with a list {{37, 36}, {1, 0}}

$\frac{9}{38}$ is a relation number with a list {{38, 36}, {1, 0}}

$\frac{9}{40}$ is a relation number with a list {{40, 36}, {1, 0}}

$\frac{9}{41}$ is a relation number with a list {{41, 45}, {164, -9}, {82, 9}, {1, 0}}

$\frac{9}{43}$ is a relation number with a list {{43, 45}, {86, 9}, {172, 9}, {1, 0}}

$\frac{9}{44}$ is a relation number with a list {{44, 45}, {1, 0}}

$\frac{9}{46}$ is a relation number with a list {{46, 45}, {1, 0}}

$\frac{9}{47}$ is a relation number with a list {{47, 45}, {94, 9}, {188, -9}, {1, 0}}

$\frac{9}{49}$ is a relation number with a list {{49, 45}, {196, 9}, {98, 9}, {1, 0}}

$\frac{9}{50}$ is a relation number with a list {{50, 54}, {1, 0}}

$\frac{9}{52}$ is a relation number with a list {{52, 54}, {1, 0}}

$\frac{9}{53}$ is a relation number with a list {{53, 54}, {1, 0}}

$\frac{9}{55}$ is a relation number with a list {{55, 54}, {1, 0}}

$\frac{9}{56}$ is a relation number with a list {{56, 54}, {1, 0}}

$\frac{9}{58}$ is a relation number with a list {{58, 54}, {1, 0}}

$\frac{9}{59}$ is a relation number with a list {{59, 63}, {236, -9}, {118, 9}, {1, 0}}

$\frac{9}{61}$ is a relation number with a list {{61, 63}, {122, 9}, {244, -9}, {1, 0}}

$\frac{9}{62}$ is a relation number with a list {{62, 63}, {1, 0}}

$\frac{9}{64}$ is a relation number with a list {{64, 63}, {1, 0}}

$\frac{9}{65}$ is a relation number with a list {{65, 63}, {130, 9}, {260, 9}, {1, 0}}

$\frac{9}{67}$ is a relation number with a list {{67, 63}, {268, 9}, {134, 9}, {1, 0}}

$\frac{9}{68}$ is a relation number with a list {{68, 72}, {1, 0}}

$\frac{9}{70}$ is a relation number with a list {{70, 72}, {1, 0}}

$\frac{9}{71}$ is a relation number with a list {{71, 72}, {1, 0}}

$\frac{9}{73}$ is a relation number with a list {{73, 72}, {1, 0}}

$\frac{9}{74}$ is a relation number with a list {{74, 72}, {1, 0}}

$\frac{9}{76}$ is a relation number with a list {{76, 72}, {1, 0}}

$\frac{9}{77}$ is a relation number with a list {{77, 81}, {308, -9}, {154, 9}, {1, 0}}

$\frac{9}{79}$ is a relation number with a list {{79, 81}, {158, 9}, {316, 9}, {1, 0}}

$\frac{9}{80}$ is a relation number with a list {{80, 81}, {1, 0}}

$\frac{9}{82}$ is a relation number with a list {{82, 81}, {1, 0}}

$\frac{9}{83}$ is a relation number with a list {{83, 81}, {166, 9}, {332, -9}, {1, 0}}

$\frac{9}{85}$ is a relation number with a list {{85, 81}, {340, 9}, {170, 9}, {1, 0}}

$\frac{9}{86}$ is a relation number with a list {{86, 90}, {1, 0}}

$\frac{9}{88}$ is a relation number with a list {{88, 90}, {1, 0}}

$\frac{9}{89}$ is a relation number with a list {{89, 90}, {1, 0}}

$\frac{10}{3}$ is a relation number with a list
{{3, 10}, {21, 40}, {57, 70}, {39, 50}, {33, -40}, {21, -20}, {1, 0}}

$\frac{10}{7}$ is a relation number with a list {{7, 10}, {21, -10}, {1, 0}}

$\frac{10}{9}$ is a relation number with a list {{9, 10}, {1, 0}}

$\frac{10}{11}$ is a relation number with a list {{11, 10}, {1, 0}}

$\frac{10}{13}$ is a relation number with a list {{13, 10}, {39, 10}, {1, 0}}

$\frac{10}{17}$ is a relation number with a list {{17, 20}, {51, -10}, {1, 0}}

$\frac{10}{19}$ is a relation number with a list {{19, 20}, {1, 0}}

$\frac{10}{21}$ is a relation number with a list {{21, 20}, {1, 0}}

$\frac{10}{23}$ is a relation number with a list {{23, 20}, {69, 10}, {1, 0}}

$\frac{10}{27}$ is a relation number with a list {{27, 30}, {1, 0}}

$\frac{10}{29}$ is a relation number with a list {{29, 30}, {1, 0}}

$\frac{10}{31}$ is a relation number with a list {{31, 30}, {1, 0}}

$\frac{10}{33}$ is a relation number with a list {{33, 30}, {1, 0}}

$\frac{10}{37}$ is a relation number with a list {{37, 40}, {111, -10}, {1, 0}}

$\frac{10}{39}$ is a relation number with a list {{39, 40}, {1, 0}}

$\frac{10}{41}$ is a relation number with a list {{41, 40}, {1, 0}}

$\frac{10}{43}$ is a relation number with a list {{43, 40}, {129, 10}, {1, 0}}

$\frac{10}{47}$ is a relation number with a list {{47, 50}, {141, -10}, {1, 0}}

$\frac{10}{49}$ is a relation number with a list {{49, 50}, {1, 0}}

$\frac{10}{51}$ is a relation number with a list {{51, 50}, {1, 0}}

$\frac{10}{53}$ is a relation number with a list {{53, 50}, {159, 10}, {1, 0}}

$\frac{10}{57}$ is a relation number with a list {{57, 60}, {1, 0}}

$\frac{10}{59}$ is a relation number with a list {{59, 60}, {1, 0}}

$\frac{10}{61}$ is a relation number with a list {{61, 60}, {1, 0}}

$\frac{10}{63}$ is a relation number with a list {{63, 60}, {1, 0}}

$\frac{10}{67}$ is a relation number with a list {{67, 70}, {201, -10}, {1, 0}}

$\frac{10}{69}$ is a relation number with a list {{69, 70}, {1, 0}}

$\frac{10}{71}$ is a relation number with a list {{71, 70}, {1, 0}}

$\frac{10}{73}$ is a relation number with a list {{73, 70}, {219, 10}, {1, 0}}

$\frac{10}{77}$ is a relation number with a list {{77, 80}, {231, -10}, {1, 0}}

$\frac{10}{79}$ is a relation number with a list {{79, 80}, {1, 0}}

$\frac{10}{81}$ is a relation number with a list {{81, 80}, {1, 0}}

$\frac{10}{83}$ is a relation number with a list {{83, 80}, {249, 10}, {1, 0}}

$\frac{10}{87}$ is a relation number with a list {{87, 90}, {1, 0}}

$\frac{10}{89}$ is a relation number with a list {{89, 90}, {1, 0}}

$\frac{10}{91}$ is a relation number with a list {{91, 90}, {1, 0}}

$\frac{10}{93}$ is a relation number with a list {{93, 90}, {1, 0}}

$\frac{10}{97}$ is a relation number with a list {{97, 100}, {291, -10}, {1, 0}}

$\frac{10}{99}$ is a relation number with a list {{99, 100}, {1, 0}}

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$\frac{11}{3}$ is a relation number with a list {{3, 11}, {24, 55}, {93, 176}, {249, 385}, {408, 341}, {201, 286}, {255, 77}, {24, -11}, {6, 11}, {15, 22}, {21, 11}, {1, 0}}

$\frac{11}{4}$ is a relation number with a list {{4, 11}, {28, 33}, {10, -11}, {1, 0}}

$\frac{11}{5}$ is a relation number with a list

{{5, 11}, {30, 11}, {15, 11}, {20, 11}, {10, 11}, {1, 0}}

$\frac{11}{6}$ is a relation number with a list {{6, 11}, {30, -11}, {1, 0}}

$\frac{11}{7}$ is a relation number with a list

{{7, 11}, {28, 11}, {35, -22}, {63, -44}, {133, -99}, {238, 55}, {126, -11}, {35, -22}}

$\frac{11}{8}$ is a relation number with a list {{8, 11}, {24, 11}, {1, 0}}

$\frac{11}{9}$ is a relation number with a list {{9, 11}, {18, 11}, {36, -11}, {1, 0}}

$\frac{11}{10}$ is a relation number with a list {{10, 11}, {1, 0}}

$\frac{11}{12}$ is a relation number with a list {{12, 11}, {1, 0}}

$\frac{11}{13}$ is a relation number with a list

{{13, 11}, {26, 11}, {52, 11}, {39, -11}, {65, -22}, {1, 0}}

$\frac{11}{14}$ is a relation number with a list {{14, 11}, {42, -11}, {1, 0}}

$\frac{11}{15}$ is a relation number with a list {{15, 11}, {60, -11}, {1, 0}}

$\frac{11}{16}$ is a relation number with a list {{16, 11}, {80, 11}, {48, 11}, {1, 0}}

$\frac{11}{17}$ is a relation number with a list

{{17, 22}, {85, 11}, {51, 11}, {68, -11}, {34, 11}, {1, 0}}

$\frac{11}{18}$ is a relation number with a list {{18, 22}, {1, 0}}

$\frac{11}{19}$ is a relation number with a list

{{19, 22}, {57, 11}, {38, 11}, {95, -11}, {76, -11}, {1, 0}}

$\frac{11}{20}$ is a relation number with a list {{20, 22}, {1, 0}}

$\frac{11}{21}$ is a relation number with a list {{21, 22}, {1, 0}}

$\frac{11}{23}$ is a relation number with a list {{23, 22}, {1, 0}}

$\frac{11}{24}$ is a relation number with a list {{24, 22}, {1, 0}}

$\frac{11}{25}$ is a relation number with a list {{25, 22}, {75, -11}, {50, 11}, {1, 0}}

$\frac{11}{26}$ is a relation number with a list {{26, 22}, {1, 0}}

$\frac{11}{27}$ is a relation number with a list {{27, 22}, {135, -11}, {1, 0}}

$\frac{11}{28}$ is a relation number with a list {{28, 33}, {140, 11}, {84, -11}, {1, 0}}

$\frac{11}{29}$ is a relation number with a list
{{29, 33}, {116, 11}, {145, 11}, {58, 11}, {87, -11}, {1, 0}}

$\frac{11}{30}$ is a relation number with a list {{30, 33}, {1, 0}}

$\frac{11}{31}$ is a relation number with a list
{{31, 33}, {62, 11}, {124, 11}, {93, 11}, {155, 11}, {1, 0}}

$\frac{11}{32}$ is a relation number with a list {{32, 33}, {1, 0}}

$\frac{11}{34}$ is a relation number with a list {{34, 33}, {1, 0}}

$\frac{11}{35}$ is a relation number with a list {{35, 33}, {70, 11}, {140, -11}, {105, -11}, {1, 0}}

$\frac{11}{36}$ is a relation number with a list {{36, 33}, {1, 0}}

$\frac{11}{37}$ is a relation number with a list
{{37, 33}, {148, -11}, {185, -22}, {333, -22}, {111, 11}, {1, 0}}

$\frac{11}{38}$ is a relation number with a list {{38, 33}, {190, -11}, {114, 11}, {76, 11}, {1, 0}}

$\frac{11}{39}$ is a relation number with a list {{39, 44}, {195, -11}, {1, 0}}

$\frac{11}{40}$ is a relation number with a list {{40, 44}, {1, 0}}

$\frac{11}{41}$ is a relation number with a list
{{41, 44}, {123, 11}, {82, 11}, {205, 11}, {164, -11}, {1, 0}}

$\frac{11}{42}$ is a relation number with a list {{42, 44}, {1, 0}}

$\frac{11}{43}$ is a relation number with a list {{43, 44}, {1, 0}}

$\frac{11}{45}$ is a relation number with a list {{45, 44}, {1, 0}}

$\frac{11}{46}$ is a relation number with a list {{46, 44}, {1, 0}}

$\frac{11}{47}$ is a relation number with a list
{{47, 44}, {141, -11}, {94, 11}, {235, -22}, {329, 33}, {1, 0}}

$\frac{11}{48}$ is a relation number with a list {{48, 44}, {1, 0}}

$\frac{11}{49}$ is a relation number with a list

{{49, 44}, {245, 11}, {147, 11}, {196, 11}, {98, 11}, {1, 0}}

$\frac{11}{50}$ is a relation number with a list {{50, 55}, {1, 0}}

$\frac{11}{51}$ is a relation number with a list {{51, 55}, {204, 11}, {255, -11}, {102, 11}, {1, 0}}

$\frac{11}{52}$ is a relation number with a list {{52, 55}, {156, 11}, {1, 0}}

$\frac{11}{53}$ is a relation number with a list

{{53, 55}, {106, 11}, {212, -11}, {159, 11}, {265, -22}, {1, 0}}

$\frac{11}{54}$ is a relation number with a list {{54, 55}, {1, 0}}

$\frac{11}{56}$ is a relation number with a list {{56, 55}, {1, 0}}

$\frac{11}{57}$ is a relation number with a list {{57, 55}, {114, 11}, {228, 11}, {1, 0}}

$\frac{11}{58}$ is a relation number with a list {{58, 55}, {174, -11}, {1, 0}}

$\frac{11}{59}$ is a relation number with a list

{{59, 55}, {236, -11}, {295, 11}, {118, 11}, {177, 11}, {1, 0}}

$\frac{11}{60}$ is a relation number with a list {{60, 55}, {1, 0}}

$\frac{11}{61}$ is a relation number with a list

{{61, 66}, {305, -11}, {183, 11}, {244, -11}, {122, 11}, {1, 0}}

$\frac{11}{62}$ is a relation number with a list {{62, 66}, {1, 0}}

$\frac{11}{63}$ is a relation number with a list {{63, 66}, {1, 0}}

$\frac{11}{64}$ is a relation number with a list {{64, 66}, {1, 0}}

$\frac{11}{65}$ is a relation number with a list {{65, 66}, {1, 0}}

$\frac{11}{67}$ is a relation number with a list {{67, 66}, {1, 0}}

$\frac{11}{68}$ is a relation number with a list {{68, 66}, {1, 0}}

$\frac{11}{69}$ is a relation number with a list {{69, 66}, {1, 0}}

$\frac{11}{70}$ is a relation number with a list {{70, 66}, {1, 0}}

$\frac{11}{71}$ is a relation number with a list
{{71, 66}, {355, 11}, {213, -11}, {284, 11}, {142, 11}, {1, 0}}

$\frac{11}{72}$ is a relation number with a list {{72, 77}, {360, 11}, {1, 0}}

$\frac{11}{73}$ is a relation number with a list
{{73, 77}, {292, 11}, {365, 22}, {657, -22}, {219, -11}, {1, 0}}

$\frac{11}{74}$ is a relation number with a list {{74, 77}, {222, 11}, {1, 0}}

$\frac{11}{75}$ is a relation number with a list {{75, 77}, {150, 11}, {300, 11}, {1, 0}}

$\frac{11}{76}$ is a relation number with a list {{76, 77}, {1, 0}}

$\frac{11}{78}$ is a relation number with a list {{78, 77}, {1, 0}}

$\frac{11}{79}$ is a relation number with a list
{{79, 77}, {158, 11}, {316, -11}, {237, 11}, {395, 11}, {1, 0}}

$\frac{11}{80}$ is a relation number with a list {{80, 77}, {240, -11}, {1, 0}}

$\frac{11}{81}$ is a relation number with a list
{{81, 77}, {324, -11}, {405, -11}, {162, 11}, {1, 0}}

$\frac{11}{82}$ is a relation number with a list
{{82, 77}, {410, -11}, {246, -11}, {164, 11}, {1, 0}}

$\frac{11}{83}$ is a relation number with a list
{{83, 88}, {415, 11}, {249, 11}, {332, 11}, {166, 11}, {1, 0}}

$\frac{11}{84}$ is a relation number with a list {{84, 88}, {1, 0}}

$\frac{11}{85}$ is a relation number with a list {{85, 88}, {255, 11}, {170, 11}, {1, 0}}

$\frac{11}{86}$ is a relation number with a list {{86, 88}, {1, 0}}

$\frac{11}{87}$ is a relation number with a list {{87, 88}, {1, 0}}

$\frac{11}{89}$ is a relation number with a list {{89, 88}, {1, 0}}

$\frac{11}{90}$ is a relation number with a list {{90, 88}, {1, 0}}

$\frac{11}{91}$ is a relation number with a list
{{91, 88}, {273, -11}, {182, 11}, {455, -11}, {364, 11}, {1, 0}}

$\frac{11}{92}$ is a relation number with a list {{92, 88}, {1, 0}}

$\frac{11}{93}$ is a relation number with a list {{93, 88}, {465, -11}, {1, 0}}

$\frac{11}{94}$ is a relation number with a list {{94, 99}, {470, -11}, {282, 11}, {188, 11}, {1, 0}}

$\frac{11}{95}$ is a relation number with a list {{95, 99}, {380, 11}, {1, 0}}

$\frac{11}{96}$ is a relation number with a list {{96, 99}, {1, 0}}

$\frac{11}{97}$ is a relation number with a list
{{97, 99}, {194, 11}, {388, -11}, {291, -11}, {485, -22}, {1, 0}}

$\frac{11}{98}$ is a relation number with a list {{98, 99}, {1, 0}}

$\frac{11}{100}$ is a relation number with a list {{100, 99}, {1, 0}}

$\frac{11}{101}$ is a relation number with a list
{{101, 99}, {202, 11}, {404, 11}, {303, 11}, {505, -11}, {1, 0}}

$\frac{11}{102}$ is a relation number with a list {{102, 99}, {1, 0}}

$\frac{11}{103}$ is a relation number with a list
{{103, 99}, {412, -11}, {515, 22}, {927, -11}, {309, -11}, {1, 0}}

$\frac{11}{104}$ is a relation number with a list {{104, 99}, {520, 11}, {312, -11}, {1, 0}}

$\frac{11}{105}$ is a relation number with a list {{105, 110}, {1, 0}}

$\frac{11}{106}$ is a relation number with a list {{106, 110}, {1, 0}}

$\frac{11}{107}$ is a relation number with a list
{{107, 110}, {321, 11}, {214, 11}, {535, 22}, {749, -33}, {1070, 11}, {321, -11}}

$\frac{11}{108}$ is a relation number with a list {{108, 110}, {1, 0}}

$\frac{11}{109}$ is a relation number with a list {{109, 110}, {1, 0}}

$\frac{12}{5}$ is a relation number with a list {{5, 12}, {35, 24}, {55, -12}, {1, 0}}

$\frac{12}{7}$ is a relation number with a list {{7, 12}, {35, -24}, {77, -36}, {35, -12}, {1, 0}}

$\frac{12}{11}$ is a relation number with a list {{11, 12}, {1, 0}}

$\frac{12}{13}$ is a relation number with a list {{13, 12}, {1, 0}}

$\frac{12}{17}$ is a relation number with a list {{17, 12}, {85, 24}, {187, -12}, {85, 24}}

$\frac{12}{19}$ is a relation number with a list {{19, 24}, {95, 24}, {1, 0}}

$\frac{12}{23}$ is a relation number with a list {{23, 24}, {1, 0}}

$\frac{12}{25}$ is a relation number with a list {{25, 24}, {1, 0}}

$\frac{12}{29}$ is a relation number with a list {{29, 24}, {145, -24}, {1, 0}}

$\frac{12}{31}$ is a relation number with a list {{31, 36}, {155, 24}, {341, -48}, {155, 12}, {1, 0}}

$\frac{12}{35}$ is a relation number with a list {{35, 36}, {1, 0}}

$\frac{12}{37}$ is a relation number with a list {{37, 36}, {1, 0}}

$\frac{12}{41}$ is a relation number with a list
{{41, 36}, {205, -24}, {451, 60}, {1189, -24}, {451, 60}}

$\frac{12}{43}$ is a relation number with a list {{43, 48}, {215, -24}, {1, 0}}

$\frac{12}{47}$ is a relation number with a list {{47, 48}, {1, 0}}

$\frac{12}{49}$ is a relation number with a list {{49, 48}, {1, 0}}

$\frac{12}{53}$ is a relation number with a list {{53, 48}, {265, 24}, {1, 0}}

$\frac{12}{55}$ is a relation number with a list {{55, 60}, {1, 0}}

$\frac{12}{59}$ is a relation number with a list {{59, 60}, {1, 0}}

$\frac{12}{61}$ is a relation number with a list {{61, 60}, {1, 0}}

$\frac{12}{65}$ is a relation number with a list {{65, 60}, {1, 0}}

$\frac{12}{67}$ is a relation number with a list {{67, 72}, {335, -24}, {1, 0}}

$\frac{12}{71}$ is a relation number with a list {{71, 72}, {1, 0}}

$\frac{12}{73}$ is a relation number with a list {{73, 72}, {1, 0}}

$\frac{12}{77}$ is a relation number with a list {{77, 72}, {385, 24}, {1, 0}}

$\frac{12}{79}$ is a relation number with a list {{79, 84}, {395, 24}, {869, 48}, {395, 12}, {1, 0}}

$\frac{12}{83}$ is a relation number with a list {{83, 84}, {1, 0}}

$\frac{12}{85}$ is a relation number with a list {{85, 84}, {1, 0}}

$\frac{12}{89}$ is a relation number with a list {{89, 84}, {445, -24}, {979, 24}, {445, 24}}

$\frac{12}{91}$ is a relation number with a list {{91, 96}, {455, 24}, {1, 0}}

$\frac{12}{95}$ is a relation number with a list {{95, 96}, {1, 0}}

$\frac{12}{97}$ is a relation number with a list {{97, 96}, {1, 0}}

$\frac{12}{101}$ is a relation number with a list {{101, 96}, {505, -24}, {1, 0}}

$\frac{12}{103}$ is a relation number with a list
{{103, 108}, {515, -24}, {1133, 36}, {1751, 36}, {1339, 36}, {721, 12}, {1, 0}}

$\frac{12}{107}$ is a relation number with a list {{107, 108}, {1, 0}}

$\frac{12}{109}$ is a relation number with a list {{109, 108}, {1, 0}}

$\frac{12}{113}$ is a relation number with a list
{{113, 108}, {565, 24}, {1243, 60}, {1921, -48}, {1, 0}}

$\frac{12}{115}$ is a relation number with a list {{115, 120}, {1, 0}}

$\frac{12}{119}$ is a relation number with a list {{119, 120}, {1, 0}}

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known cases

$\frac{13}{4}$ is a relation number with a list {{4, 13}, {36, 65}, {116, 117}, {1, 0}}

$\frac{13}{5}$ is a relation number with a list {{5, 13}, {40, 39}, {1, 0}}

$\frac{13}{6}$ is a relation number with a list {{6, 13}, {42, 13}, {1, 0}}

$\frac{13}{7}$ is a relation number with a list
{{7, 13}, {42, -13}, {21, -13}, {35, 26}, {63, -52}, {77, 65}, {84, -13}, {42, -13}}

$\frac{13}{8}$ is a relation number with a list {{8, 13}, {20, 13}, {24, -13}, {1, 0}}

$\frac{13}{9}$ is a relation number with a list {{9, 13}, {36, -13}, {1, 0}}

$\frac{13}{10}$ is a relation number with a list {{10, 13}, {30, -13}, {20, 13}, {30, 13}}

$\frac{13}{11}$ is a relation number with a list
{{11, 13}, {22, 13}, {44, 13}, {55, 13}, {33, -13}, {66, -13}, {1, 0}}

$\frac{13}{12}$ is a relation number with a list {{12, 13}, {1, 0}}

$\frac{13}{14}$ is a relation number with a list {{14, 13}, {1, 0}}

$\frac{13}{15}$ is a relation number with a list {{15, 13}, {30, 13}, {60, -13}, {1, 0}}

$\frac{13}{16}$ is a relation number with a list {{16, 13}, {48, 13}, {1, 0}}

$\frac{13}{17}$ is a relation number with a list {{17, 13}, {68, 13}, {51, -13}, {1, 0}}

$\frac{13}{18}$ is a relation number with a list {{18, 13}, {45, -13}, {1, 0}}

$\frac{13}{19}$ is a relation number with a list
{{19, 13}, {114, 13}, {57, -13}, {95, 13}, {76, -13}, {38, 13}, {1, 0}}

$\frac{13}{20}$ is a relation number with a list {{20, 26}, {60, 13}, {1, 0}}

$\frac{13}{21}$ is a relation number with a list {{21, 26}, {105, -26}, {1, 0}}

$\frac{13}{22}$ is a relation number with a list {{22, 26}, {1, 0}}

$\frac{13}{23}$ is a relation number with a list {{23, 26}, {69, -13}, {92, 13}, {1, 0}}

$\frac{13}{24}$ is a relation number with a list {{24, 26}, {1, 0}}

$\frac{13}{25}$ is a relation number with a list {{25, 26}, {1, 0}}

$\frac{13}{27}$ is a relation number with a list {{27, 26}, {1, 0}}

$\frac{13}{28}$ is a relation number with a list {{28, 26}, {1, 0}}

$\frac{13}{29}$ is a relation number with a list {{29, 26}, {87, 13}, {116, -13}, {1, 0}}

$\frac{13}{30}$ is a relation number with a list {{30, 26}, {1, 0}}

$\frac{13}{31}$ is a relation number with a list {{31, 26}, {155, 26}, {1, 0}}

$\frac{13}{32}$ is a relation number with a list {{32, 26}, {96, -13}, {80, -13}, {1, 0}}

$\frac{13}{33}$ is a relation number with a list {{33, 39}, {66, 13}, {1, 0}}

$\frac{13}{34}$ is a relation number with a list {{34, 39}, {85, -13}, {102, -13}, {1, 0}}

$\frac{13}{35}$ is a relation number with a list {{35, 39}, {140, -13}, {105, -13}, {1, 0}}

$\frac{13}{36}$ is a relation number with a list {{36, 39}, {1, 0}}

$\frac{13}{37}$ is a relation number with a list
{{37, 39}, {74, 13}, {148, -13}, {185, -26}, {111, 13}, {222, -13}, {1, 0}}

$\frac{13}{38}$ is a relation number with a list {{38, 39}, {1, 0}}

$\frac{13}{40}$ is a relation number with a list {{40, 39}, {1, 0}}

$\frac{13}{41}$ is a relation number with a list
{{41, 39}, {82, 13}, {164, 13}, {205, -13}, {123, -13}, {246, 13}, {1, 0}}

$\frac{13}{42}$ is a relation number with a list {{42, 39}, {1, 0}}

$\frac{13}{43}$ is a relation number with a list {{43, 39}, {172, 13}, {129, 13}, {1, 0}}

$\frac{13}{44}$ is a relation number with a list {{44, 39}, {110, 13}, {132, 13}, {1, 0}}

$\frac{13}{45}$ is a relation number with a list {{45, 39}, {90, 13}, {1, 0}}

$\frac{13}{46}$ is a relation number with a list {{46, 52}, {138, 13}, {230, -13}, {92, 13}, {1, 0}}

$\frac{13}{47}$ is a relation number with a list {{47, 52}, {235, 26}, {1, 0}}

$\frac{13}{48}$ is a relation number with a list {{48, 52}, {1, 0}}

$\frac{13}{49}$ is a relation number with a list {{49, 52}, {147, -13}, {196, -13}, {1, 0}}

$\frac{13}{50}$ is a relation number with a list {{50, 52}, {1, 0}}

$\frac{13}{51}$ is a relation number with a list {{51, 52}, {1, 0}}

$\frac{13}{53}$ is a relation number with a list {{53, 52}, {1, 0}}

$\frac{13}{54}$ is a relation number with a list {{54, 52}, {1, 0}}

$\frac{13}{55}$ is a relation number with a list {{55, 52}, {165, 13}, {220, 13}, {1, 0}}

$\frac{13}{56}$ is a relation number with a list {{56, 52}, {1, 0}}

$\frac{13}{57}$ is a relation number with a list {{57, 52}, {285, -26}, {1, 0}}

$\frac{13}{58}$ is a relation number with a list {{58, 52}, {174, -13}, {145, 13}, {1, 0}}

$\frac{13}{59}$ is a relation number with a list
{{59, 65}, {354, -13}, {177, 13}, {295, 13}, {236, 13}, {118, 13}, {1, 0}}

$\frac{13}{60}$ is a relation number with a list {{60, 65}, {1, 0}}

$\frac{13}{61}$ is a relation number with a list {{61, 65}, {244, -13}, {183, 13}, {1, 0}}

$\frac{13}{62}$ is a relation number with a list {{62, 65}, {186, -13}, {124, 13}, {186, -13}}

$\frac{13}{63}$ is a relation number with a list {{63, 65}, {126, 13}, {252, 13}, {315, -26}, {1, 0}}

$\frac{13}{64}$ is a relation number with a list {{64, 65}, {1, 0}}

$\frac{13}{66}$ is a relation number with a list {{66, 65}, {1, 0}}

$\frac{13}{67}$ is a relation number with a list
{{67, 65}, {134, 13}, {268, -13}, {335, 26}, {201, 13}, {402, 13}, {1, 0}}

$\frac{13}{68}$ is a relation number with a list {{68, 65}, {204, 13}, {1, 0}}

$\frac{13}{69}$ is a relation number with a list {{69, 65}, {276, 13}, {1, 0}}

$\frac{13}{70}$ is a relation number with a list {{70, 65}, {1, 0}}

$\frac{13}{71}$ is a relation number with a list
{{71, 65}, {426, 13}, {213, 13}, {355, 13}, {284, -13}, {142, 13}, {1, 0}}

$\frac{13}{72}$ is a relation number with a list {{72, 78}, {1, 0}}

$\frac{13}{73}$ is a relation number with a list {{73, 78}, {365, 26}, {1, 0}}

$\frac{13}{74}$ is a relation number with a list {{74, 78}, {1, 0}}

$\frac{13}{75}$ is a relation number with a list {{75, 78}, {1, 0}}

$\frac{13}{76}$ is a relation number with a list {{76, 78}, {1, 0}}

$\frac{13}{77}$ is a relation number with a list {{77, 78}, {1, 0}}

$\frac{13}{79}$ is a relation number with a list {{79, 78}, {1, 0}}

$\frac{13}{80}$ is a relation number with a list {{80, 78}, {1, 0}}

$\frac{13}{81}$ is a relation number with a list {{81, 78}, {1, 0}}

$\frac{13}{82}$ is a relation number with a list {{82, 78}, {1, 0}}

$\frac{13}{83}$ is a relation number with a list {{83, 78}, {415, -26}, {1, 0}}

$\frac{13}{84}$ is a relation number with a list {{84, 78}, {1, 0}}

$\frac{13}{85}$ is a relation number with a list {{85, 91}, {510, -13}, {255, -13}, {1, 0}}

$\frac{13}{86}$ is a relation number with a list {{86, 91}, {215, -13}, {258, 13}, {1, 0}}

$\frac{13}{87}$ is a relation number with a list {{87, 91}, {348, -13}, {1, 0}}

$\frac{13}{88}$ is a relation number with a list {{88, 91}, {264, -13}, {1, 0}}

$\frac{13}{89}$ is a relation number with a list
{{89, 91}, {178, 13}, {356, -13}, {445, 13}, {267, -13}, {534, -13}, {1, 0}}

$\frac{13}{90}$ is a relation number with a list {{90, 91}, {1, 0}}

$\frac{13}{92}$ is a relation number with a list {{92, 91}, {1, 0}}

$\frac{13}{93}$ is a relation number with a list {{93, 91}, {186, 13}, {372, 13}, {465, 26}, {1, 0}}

$\frac{13}{94}$ is a relation number with a list {{94, 91}, {282, 13}, {188, 13}, {282, -13}}

$\frac{13}{95}$ is a relation number with a list {{95, 91}, {380, 13}, {285, -13}, {1, 0}}

$\frac{13}{96}$ is a relation number with a list {{96, 91}, {240, 13}, {1, 0}}

$\frac{13}{97}$ is a relation number with a list
{{97, 91}, {582, 13}, {291, -13}, {485, -26}, {873, -52}, {1067, 39},
{1358, -39}, {679, -39}, {1552, -39}, {776, 39}, {388, 13}, {194, 13}, {1, 0}}

$\frac{13}{98}$ is a relation number with a list {{98, 104}, {294, 13}, {245, 13}, {1, 0}}

$\frac{13}{99}$ is a relation number with a list {{99, 104}, {495, -26}, {1, 0}}

$\frac{13}{100}$ is a relation number with a list {{100, 104}, {1, 0}}

$\frac{13}{101}$ is a relation number with a list {{101, 104}, {303, -13}, {404, -13}, {1, 0}}

$\frac{13}{102}$ is a relation number with a list {{102, 104}, {1, 0}}

$\frac{13}{103}$ is a relation number with a list {{103, 104}, {1, 0}}

$\frac{13}{105}$ is a relation number with a list {{105, 104}, {1, 0}}

$\frac{13}{106}$ is a relation number with a list {{106, 104}, {1, 0}}

$\frac{13}{107}$ is a relation number with a list {{107, 104}, {321, 13}, {428, 13}, {1, 0}}

$\frac{13}{108}$ is a relation number with a list {{108, 104}, {1, 0}}

$\frac{13}{109}$ is a relation number with a list {{109, 104}, {545, 26}, {1, 0}}

$\frac{13}{110}$ is a relation number with a list {{110, 104}, {330, -13}, {1, 0}}

$\frac{13}{111}$ is a relation number with a list {{111, 117}, {222, 13}, {1, 0}}

$\frac{13}{112}$ is a relation number with a list {{112, 117}, {280, 13}, {336, 13}, {1, 0}}

$\frac{13}{113}$ is a relation number with a list {{113, 117}, {452, -13}, {339, -13}, {1, 0}}

$\frac{13}{114}$ is a relation number with a list {{114, 117}, {1, 0}}

$\frac{13}{115}$ is a relation number with a list {{115, 117}, {230, 13}, {460, 13}, {1, 0}}

$\frac{13}{116}$ is a relation number with a list {{116, 117}, {1, 0}}

$\frac{13}{118}$ is a relation number with a list {{118, 117}, {1, 0}}

$\frac{13}{119}$ is a relation number with a list
{{119, 117}, {238, 13}, {476, -13}, {595, -13}, {357, -13}, {714, 13}, {1, 0}}

$\frac{13}{120}$ is a relation number with a list {{120, 117}, {1, 0}}

$\frac{13}{121}$ is a relation number with a list {{121, 117}, {484, 13}, {363, 13}, {1, 0}}

$\frac{13}{122}$ is a relation number with a list {{122, 117}, {305, -13}, {366, -13}, {1, 0}}

$\frac{13}{123}$ is a relation number with a list {{123, 117}, {246, 13}, {1, 0}}

$\frac{13}{124}$ is a relation number with a list {{124, 130}, {372, 13}, {620, 13}, {1, 0}}

$\frac{13}{125}$ is a relation number with a list {{125, 130}, {1, 0}}

$\frac{13}{126}$ is a relation number with a list {{126, 130}, {1, 0}}

$\frac{13}{127}$ is a relation number with a list {{127, 130}, {381, -13}, {508, 13}, {1, 0}}

$\frac{13}{128}$ is a relation number with a list {{128, 130}, {1, 0}}

$\frac{13}{129}$ is a relation number with a list {{129, 130}, {1, 0}}

known cases

$\frac{14}{5}$ is a relation number with a list {{5, 14}, {45, 56}, {55, 28}, {1, 0}}

$\frac{14}{9}$ is a relation number with a list {{9, 14}, {45, 14}, {1, 0}}

$\frac{14}{11}$ is a relation number with a list {{11, 14}, {33, 14}, {55, 14}, {1, 0}}

$\frac{14}{13}$ is a relation number with a list {{13, 14}, {1, 0}}

$\frac{14}{15}$ is a relation number with a list {{15, 14}, {1, 0}}

$\frac{14}{17}$ is a relation number with a list {{17, 14}, {51, -14}, {85, 28}, {1, 0}}

$\frac{14}{19}$ is a relation number with a list {{19, 14}, {95, -14}, {57, 14}, {1, 0}}

$\frac{14}{23}$ is a relation number with a list {{23, 28}, {115, -14}, {69, 14}, {1, 0}}

$\frac{14}{25}$ is a relation number with a list {{25, 28}, {75, 14}, {1, 0}}

$\frac{14}{27}$ is a relation number with a list {{27, 28}, {1, 0}}

$\frac{14}{29}$ is a relation number with a list {{29, 28}, {1, 0}}

$\frac{14}{31}$ is a relation number with a list {{31, 28}, {93, -14}, {155, 14}, {1, 0}}

$\frac{14}{33}$ is a relation number with a list {{33, 28}, {165, 14}, {1, 0}}

$\frac{14}{37}$ is a relation number with a list {{37, 42}, {185, -14}, {111, -14}, {1, 0}}

$\frac{14}{39}$ is a relation number with a list {{39, 42}, {1, 0}}

$\frac{14}{41}$ is a relation number with a list {{41, 42}, {1, 0}}

$\frac{14}{43}$ is a relation number with a list {{43, 42}, {1, 0}}

$\frac{14}{45}$ is a relation number with a list {{45, 42}, {1, 0}}

$\frac{14}{47}$ is a relation number with a list {{47, 42}, {235, 14}, {141, 14}, {1, 0}}

$\frac{14}{51}$ is a relation number with a list {{51, 56}, {255, 14}, {1, 0}}

$\frac{14}{53}$ is a relation number with a list {{53, 56}, {159, 14}, {265, -28}, {689, -28}, {583, -56}, {1219, -70}, {1537, -56}, {1325, -168}, {1007, 126}, {1, 0}}

$\frac{14}{55}$ is a relation number with a list {{55, 56}, {1, 0}}

$\frac{14}{57}$ is a relation number with a list {{57, 56}, {1, 0}}

$\frac{14}{59}$ is a relation number with a list {{59, 56}, {177, -14}, {295, -14}, {1, 0}}

$\frac{14}{61}$ is a relation number with a list {{61, 56}, {305, -14}, {183, 14}, {1, 0}}

$\frac{14}{65}$ is a relation number with a list {{65, 70}, {1, 0}}

$\frac{14}{67}$ is a relation number with a list {{67, 70}, {201, 14}, {335, 28}, {1, 0}}

$\frac{14}{69}$ is a relation number with a list {{69, 70}, {1, 0}}

$\frac{14}{71}$ is a relation number with a list {{71, 70}, {1, 0}}

$\frac{14}{73}$ is a relation number with a list {{73, 70}, {219, -14}, {365, -28}, {1, 0}}

$\frac{14}{75}$ is a relation number with a list {{75, 70}, {1, 0}}

$\frac{14}{79}$ is a relation number with a list {{79, 84}, {395, 14}, {237, 14}, {1, 0}}

$\frac{14}{81}$ is a relation number with a list {{81, 84}, {1, 0}}

$\frac{14}{83}$ is a relation number with a list {{83, 84}, {1, 0}}

$\frac{14}{85}$ is a relation number with a list {{85, 84}, {1, 0}}

$\frac{14}{87}$ is a relation number with a list {{87, 84}, {1, 0}}

$\frac{14}{89}$ is a relation number with a list {{89, 84}, {445, -14}, {267, -14}, {1, 0}}

$\frac{14}{93}$ is a relation number with a list {{93, 98}, {465, -14}, {1, 0}}

$\frac{14}{95}$ is a relation number with a list {{95, 98}, {285, 14}, {1, 0}}

$\frac{14}{97}$ is a relation number with a list {{97, 98}, {1, 0}}

$\frac{14}{99}$ is a relation number with a list {{99, 98}, {1, 0}}

$\frac{14}{101}$ is a relation number with a list {{101, 98}, {303, -14}, {505, 14}, {1, 0}}

$\frac{14}{103}$ is a relation number with a list {{103, 98}, {515, 14}, {309, -14}, {1, 0}}

$\frac{14}{107}$ is a relation number with a list {{107, 112}, {535, -14}, {321, 14}, {1, 0}}

$\frac{14}{109}$ is a relation number with a list {{109, 112}, {327, 14}, {545, -14}, {1, 0}}

$\frac{14}{111}$ is a relation number with a list {{111, 112}, {1, 0}}

$\frac{14}{113}$ is a relation number with a list {{113, 112}, {1, 0}}

$\frac{14}{115}$ is a relation number with a list {{115, 112}, {345, -14}, {1, 0}}

$\frac{14}{117}$ is a relation number with a list {{117, 112}, {585, 14}, {1, 0}}

$\frac{14}{121}$ is a relation number with a list {{121, 126}, {605, 14}, {363, 14}, {1, 0}}

$\frac{14}{123}$ is a relation number with a list {{123, 126}, {1, 0}}

$\frac{14}{125}$ is a relation number with a list {{125, 126}, {1, 0}}

$\frac{14}{127}$ is a relation number with a list {{127, 126}, {1, 0}}

$\frac{14}{129}$ is a relation number with a list {{129, 126}, {1, 0}}

$\frac{14}{131}$ is a relation number with a list {{131, 126}, {655, -14}, {393, -14}, {1, 0}}

$\frac{14}{135}$ is a relation number with a list {{135, 140}, {1, 0}}

$\frac{14}{137}$ is a relation number with a list
{{137, 140}, {411, 14}, {685, 28}, {1781, 14}, {411, -14}}

$\frac{14}{139}$ is a relation number with a list {{139, 140}, {1, 0}}

known cases

$\frac{15}{4}$ is a relation number with a list
{{4, 15}, {44, 105}, {244, 495}, {1004, 1785}, {3124, 4575},
{5804, 3465}, {2252, 1515}, {2948, -4995}, {8188, -10 725}, {10 148, 4845},
{916, -615}, {1204, 2055}, {3404, 4545}, {4564, -1065}, {304, 75}, {1, 0}}

$\frac{15}{7}$ is a relation number with a list {{7, 15}, {56, 15}, {28, 15}, {14, 15}, {1, 0}}

$\frac{15}{8}$ is a relation number with a list {{8, 15}, {56, -15}, {1, 0}}

$\frac{15}{11}$ is a relation number with a list {{11, 15}, {44, 15}, {1, 0}}

$\frac{15}{13}$ is a relation number with a list {{13, 15}, {26, 15}, {52, -15}, {91, 15}, {1, 0}}

$\frac{15}{14}$ is a relation number with a list {{14, 15}, {1, 0}}

$\frac{15}{16}$ is a relation number with a list {{16, 15}, {1, 0}}

$\frac{15}{17}$ is a relation number with a list
{{17, 15}, {34, 15}, {68, 15}, {119, -45}, {272, 45}, {34, 15}}

$\frac{15}{19}$ is a relation number with a list {{19, 15}, {76, -15}, {1, 0}}

$\frac{15}{22}$ is a relation number with a list {{22, 15}, {154, 15}, {44, 15}, {1, 0}}

$\frac{15}{23}$ is a relation number with a list
{{23, 30}, {161, 45}, {437, 105}, {391, 120}, {713, -30}, {161, -45}}

$\frac{15}{26}$ is a relation number with a list {{26, 30}, {1, 0}}

$\frac{15}{28}$ is a relation number with a list {{28, 30}, {1, 0}}

$\frac{15}{29}$ is a relation number with a list {{29, 30}, {1, 0}}

$\frac{15}{31}$ is a relation number with a list {{31, 30}, {1, 0}}

$\frac{15}{32}$ is a relation number with a list {{32, 30}, {1, 0}}

$\frac{15}{34}$ is a relation number with a list {{34, 30}, {1, 0}}

$\frac{15}{37}$ is a relation number with a list {{37, 30}, {259, -45}, {407, 15}, {74, 15}, {1, 0}}

$\frac{15}{38}$ is a relation number with a list {{38, 45}, {133, -15}, {1, 0}}

$\frac{15}{41}$ is a relation number with a list {{41, 45}, {164, 15}, {1, 0}}

$\frac{15}{43}$ is a relation number with a list {{43, 45}, {86, 15}, {172, 15}, {301, 15}, {1, 0}}

$\frac{15}{44}$ is a relation number with a list {{44, 45}, {1, 0}}

$\frac{15}{46}$ is a relation number with a list {{46, 45}, {1, 0}}

$\frac{15}{47}$ is a relation number with a list {{47, 45}, {94, 15}, {188, -15}, {329, -30}, {1, 0}}

$\frac{15}{49}$ is a relation number with a list {{49, 45}, {196, -15}, {1, 0}}

$\frac{15}{52}$ is a relation number with a list {{52, 45}, {182, 15}, {1, 0}}

$\frac{15}{53}$ is a relation number with a list {{53, 60}, {371, -30},
{583, 60}, {901, -120}, {3127, 165}, {424, 15}, {212, 15}, {106, 15}, {1, 0}}

$\frac{15}{56}$ is a relation number with a list {{56, 60}, {1, 0}}

$\frac{15}{58}$ is a relation number with a list {{58, 60}, {1, 0}}

$\frac{15}{59}$ is a relation number with a list {{59, 60}, {1, 0}}

$\frac{15}{61}$ is a relation number with a list {{61, 60}, {1, 0}}

$\frac{15}{62}$ is a relation number with a list {{62, 60}, {1, 0}}

$\frac{15}{64}$ is a relation number with a list {{64, 60}, {1, 0}}

$\frac{15}{67}$ is a relation number with a list {{67, 60}, {469, 30}, {737, -30},
{871, 60}, {1943, -105}, {3484, 15}, {268, -15}, {134, 15}, {1, 0}}

$\frac{15}{68}$ is a relation number with a list {{68, 75}, {476, 45}, {1292, 75}, {1, 0}}

$\frac{15}{71}$ is a relation number with a list {{71, 75}, {284, 15}, {1, 0}}

$\frac{15}{73}$ is a relation number with a list
{{73, 75}, {146, 15}, {292, -15}, {511, -45}, {1168, 75}, {2336, -195}, {292, 15}}

$\frac{15}{74}$ is a relation number with a list {{74, 75}, {1, 0}}

$\frac{15}{76}$ is a relation number with a list {{76, 75}, {1, 0}}

$\frac{15}{77}$ is a relation number with a list {{77, 75}, {154, 15}, {308, 15}, {1, 0}}

$\frac{15}{79}$ is a relation number with a list {{79, 75}, {316, -15}, {1, 0}}

$\frac{15}{82}$ is a relation number with a list {{82, 75}, {574, -45}, {451, 30}, {1, 0}}

$\frac{15}{83}$ is a relation number with a list
{{83, 90}, {581, -15}, {332, -15}, {166, 15}, {1, 0}}

$\frac{15}{86}$ is a relation number with a list {{86, 90}, {1, 0}}

$\frac{15}{88}$ is a relation number with a list {{88, 90}, {1, 0}}

$\frac{15}{89}$ is a relation number with a list {{89, 90}, {1, 0}}

$\frac{15}{91}$ is a relation number with a list {{91, 90}, {1, 0}}

$\frac{15}{92}$ is a relation number with a list {{92, 90}, {1, 0}}

$\frac{15}{94}$ is a relation number with a list {{94, 90}, {1, 0}}

$\frac{15}{97}$ is a relation number with a list {{97, 90}, {679, 15}, {388, 15}, {194, 15}, {1, 0}}

$\frac{15}{98}$ is a relation number with a list {{98, 105}, {1, 0}}

$\frac{15}{101}$ is a relation number with a list {{101, 105}, {404, 15}, {1, 0}}

$\frac{15}{103}$ is a relation number with a list
{{103, 105}, {206, 15}, {412, 15}, {721, -30}, {1, 0}}

$\frac{15}{104}$ is a relation number with a list {{104, 105}, {1, 0}}

$\frac{15}{106}$ is a relation number with a list {{106, 105}, {1, 0}}

$\frac{15}{107}$ is a relation number with a list
{{107, 105}, {214, 15}, {428, -15}, {749, 30}, {1, 0}}

$\frac{15}{109}$ is a relation number with a list {{109, 105}, {436, -15}, {1, 0}}

$\frac{15}{112}$ is a relation number with a list {{112, 105}, {1, 0}}

$\frac{15}{113}$ is a relation number with a list
{{113, 120}, {791, -15}, {452, 15}, {226, 15}, {1, 0}}

$\frac{15}{116}$ is a relation number with a list {{116, 120}, {1, 0}}

$\frac{15}{118}$ is a relation number with a list {{118, 120}, {1, 0}}

$\frac{15}{119}$ is a relation number with a list {{119, 120}, {1, 0}}

$\frac{15}{121}$ is a relation number with a list {{121, 120}, {1, 0}}

$\frac{15}{122}$ is a relation number with a list {{122, 120}, {1, 0}}

$\frac{15}{124}$ is a relation number with a list {{124, 120}, {1, 0}}

$\frac{15}{127}$ is a relation number with a list
{{127, 120}, {889, 15}, {508, -15}, {254, 15}, {1, 0}}

$\frac{15}{128}$ is a relation number with a list {{128, 135}, {896, 45}, {1, 0}}

$\frac{15}{131}$ is a relation number with a list {{131, 135}, {524, 15}, {1, 0}}

$\frac{15}{133}$ is a relation number with a list {{133, 135}, {266, 15}, {532, -15}, {1, 0}}

$\frac{15}{134}$ is a relation number with a list {{134, 135}, {1, 0}}

$\frac{15}{136}$ is a relation number with a list {{136, 135}, {1, 0}}

$\frac{15}{137}$ is a relation number with a list {{137, 135}, {274, 15}, {548, 15},
{959, 45}, {1918, 75}, {4384, -195}, {12 878, 75}, {3014, -45}, {1, 0}}

$\frac{15}{139}$ is a relation number with a list {{139, 135}, {556, -15}, {1, 0}}

$\frac{15}{142}$ is a relation number with a list {{142, 135}, {994, -45}, {284, 15}, {1, 0}}

$\frac{15}{143}$ is a relation number with a list {{143, 150}, {1001, -30}, {1, 0}}

$\frac{15}{146}$ is a relation number with a list {{146, 150}, {1, 0}}

$\frac{15}{148}$ is a relation number with a list {{148, 150}, {1, 0}}

$\frac{15}{149}$ is a relation number with a list {{149, 150}, {1, 0}}

known cases

$\frac{16}{5}$ is a relation number with a list {{5, 16}, {55, 96}, {205, 176}, {145, -48}, {1, 0}}

$\frac{16}{7}$ is a relation number with a list {{7, 16}, {63, 32}, {1, 0}}

$\frac{16}{9}$ is a relation number with a list {{9, 16}, {63, -32}, {1, 0}}

$\frac{16}{11}$ is a relation number with a list
{{11, 16}, {55, -16}, {77, 48}, {209, 80}, {341, 112}, {55, 32}, {99, -64},
{319, -224}, {1045, 576}, {1177, 512}, {1683, 736}, {2321, 1344}, {4037, 2832},
{13 255, -7408}, {17 171, 6560}, {27 599, 8128}, {35 365, -13 472}, {55 561, -13 440},
{19 811, -3760}, {11 121, 7168}, {35 365, 24 032}, {124 663, 83 024},
{455 235, -251 104}, {516 703, -244 128}, {312 917, 45 504}, {61 721, 38 112},
{159 533, 44 864}, {219 153, 144 032}, {758 021, -481 776}, {2 260 841, -1 277 456},
{3 234 781, -63 392}, {19 679, -10 336}, {10 923, 2480}, {11 033, -4816}, {15 411, -8144},
{9647, 5392}, {12 507, -4736}, {18 711, -2336}, {253, 64}, {33, 16}, {1, 0}}

$\frac{16}{13}$ is a relation number with a list {{13, 16}, {39, -16}, {91, 16}, {65, 32}, {1, 0}}

$\frac{16}{15}$ is a relation number with a list {{15, 16}, {1, 0}}

$\frac{16}{17}$ is a relation number with a list {{17, 16}, {1, 0}}

$\frac{16}{19}$ is a relation number with a list {{19, 16}, {57, 16}, {133, 32}, {95, -32}, {1, 0}}

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16/21 is a relation number with a list {{21, 16}, {105, 16}, {1, 0}}

16/23 is a relation number with a list {{23, 16}, {161, 32}, {1, 0}}

16/25 is a relation number with a list {{25, 32}, {175, -16}, {1, 0}}

16/27 is a relation number with a list {{27, 32}, {135, 16}, {189, -16}, {1, 0}}

16/29 is a relation number with a list
 {{29, 32}, {87, -16}, {203, -16}, {145, -16}, {1, 0}}

16/31 is a relation number with a list {{31, 32}, {1, 0}}

16/33 is a relation number with a list {{33, 32}, {1, 0}}

16/35 is a relation number with a list {{35, 32}, {105, 16}, {1, 0}}

16/37 is a relation number with a list
 {{37, 32}, {185, -16}, {259, 32}, {111, -16}, {1, 0}}

16/39 is a relation number with a list {{39, 32}, {273, 16}, {1, 0}}

16/41 is a relation number with a list {{41, 48}, {287, 48}, {1, 0}}

16/43 is a relation number with a list {{43, 48}, {215, 16}, {301, 16}, {129, -16}, {1, 0}}

16/45 is a relation number with a list {{45, 48}, {1, 0}}

16/47 is a relation number with a list {{47, 48}, {1, 0}}

16/49 is a relation number with a list {{49, 48}, {1, 0}}

16/51 is a relation number with a list {{51, 48}, {1, 0}}

16/53 is a relation number with a list
 {{53, 48}, {265, -16}, {371, -48}, {689, 48}, {901, 96}, {1961, -240}, {2173, -256},
  {6625, 432}, {7685, -304}, {4505, 208}, {3763, 336}, {3551, -416}, {10229, 432},
  {7367, -656}, {8003, -944}, {23903, 480}, {5141, -608}, {14681, -1200},
  {14893, -656}, {10335, 448}, {1643, -64}, {1113, 32}, {371, -16}, {159, 16}, {1, 0}}

16/55 is a relation number with a list {{55, 48}, {385, -48}, {1, 0}}

16/57 is a relation number with a list {{57, 64}, {133, 16}, {285, 32}, {1, 0}}
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$\frac{16}{59}$ is a relation number with a list {{59, 64}, {295, -16}, {413, -48},
{1121, 96}, {1829, -208}, {2537, -112}, {2301, -256}, {177, -16}, {1, 0}}

$\frac{16}{61}$ is a relation number with a list {{61, 64}, {183, -16}, {427, 32}, {671, 16}, {1, 0}}

$\frac{16}{63}$ is a relation number with a list {{63, 64}, {1, 0}}

$\frac{16}{65}$ is a relation number with a list {{65, 64}, {1, 0}}

$\frac{16}{67}$ is a relation number with a list
{{67, 64}, {201, 16}, {469, 48}, {737, -48}, {1139, 48}, {871, -96}, {469, -48}}

$\frac{16}{69}$ is a relation number with a list {{69, 64}, {345, 16}, {483, 16}, {1, 0}}

$\frac{16}{71}$ is a relation number with a list {{71, 64}, {497, -48}, {1207, 128},
{3905, 288}, {9017, -128}, {4047, 32}, {1065, 112}, {3905, -32}, {1, 0}}

$\frac{16}{73}$ is a relation number with a list {{73, 80}, {511, -16}, {1, 0}}

$\frac{16}{75}$ is a relation number with a list {{75, 80}, {1, 0}}

$\frac{16}{77}$ is a relation number with a list {{77, 80}, {231, -16}, {1, 0}}

$\frac{16}{79}$ is a relation number with a list {{79, 80}, {1, 0}}

$\frac{16}{81}$ is a relation number with a list {{81, 80}, {1, 0}}

$\frac{16}{83}$ is a relation number with a list {{83, 80}, {249, 16}, {581, 16}, {415, -32}, {1, 0}}

$\frac{16}{85}$ is a relation number with a list {{85, 80}, {1, 0}}

$\frac{16}{87}$ is a relation number with a list {{87, 80}, {609, 16}, {1, 0}}

$\frac{16}{89}$ is a relation number with a list
{{89, 96}, {623, -32}, {1335, 32}, {801, 32}, {1, 0}}

$\frac{16}{91}$ is a relation number with a list {{91, 96}, {455, -16}, {1, 0}}

$\frac{16}{93}$ is a relation number with a list {{93, 96}, {1, 0}}

$\frac{16}{95}$ is a relation number with a list {{95, 96}, {1, 0}}

$\frac{16}{97}$ is a relation number with a list {{97, 96}, {1, 0}}

$\frac{16}{99}$ is a relation number with a list {{99, 96}, {1, 0}}

$\frac{16}{101}$ is a relation number with a list
{{101, 96}, {505, 16}, {707, -48}, {1313, 64}, {3131, -16}, {505, 16}}

$\frac{16}{103}$ is a relation number with a list
{{103, 96}, {721, 32}, {1545, 64}, {927, -32}, {1, 0}}

$\frac{16}{105}$ is a relation number with a list {{105, 112}, {1, 0}}

$\frac{16}{107}$ is a relation number with a list {{107, 112}, {535, 16}, {749, 32},
{1391, 96}, {5029, -256}, {9737, -272}, {5885, 64}, {321, 16}, {1, 0}}

$\frac{16}{109}$ is a relation number with a list
{{109, 112}, {327, -16}, {763, 48}, {545, -32}, {1, 0}}

$\frac{16}{111}$ is a relation number with a list {{111, 112}, {1, 0}}

$\frac{16}{113}$ is a relation number with a list {{113, 112}, {1, 0}}

$\frac{16}{115}$ is a relation number with a list
{{115, 112}, {345, 16}, {805, -48}, {1265, 64}, {345, 16}}

$\frac{16}{117}$ is a relation number with a list {{117, 112}, {585, -16}, {819, -32}, {1, 0}}

$\frac{16}{119}$ is a relation number with a list {{119, 112}, {1, 0}}

$\frac{16}{121}$ is a relation number with a list
{{121, 128}, {847, -32}, {1815, -32}, {1089, -16}, {1, 0}}

$\frac{16}{123}$ is a relation number with a list {{123, 128}, {615, 16}, {287, -16}, {1, 0}}

$\frac{16}{125}$ is a relation number with a list {{125, 128}, {375, -16}, {875, 16}, {1, 0}}

$\frac{16}{127}$ is a relation number with a list {{127, 128}, {1, 0}}

$\frac{16}{129}$ is a relation number with a list {{129, 128}, {1, 0}}

$\frac{16}{131}$ is a relation number with a list
{{131, 128}, {393, 16}, {917, 32}, {1441, 32}, {1, 0}}

$\frac{16}{133}$ is a relation number with a list {{133, 128}, {665, -16}, {1, 0}}

$\frac{16}{135}$ is a relation number with a list {{135, 128}, {945, 32}, {1, 0}}

$\frac{16}{137}$ is a relation number with a list {{137, 144}, {959, -16}, {1, 0}}

$\frac{16}{139}$ is a relation number with a list

{{139, 144}, {695, -16}, {973, 16}, {417, -16}, {1, 0}}

$\frac{16}{141}$ is a relation number with a list {{141, 144}, {1, 0}}

$\frac{16}{143}$ is a relation number with a list {{143, 144}, {1, 0}}

$\frac{16}{145}$ is a relation number with a list {{145, 144}, {1, 0}}

$\frac{16}{147}$ is a relation number with a list {{147, 144}, {1, 0}}

$\frac{16}{149}$ is a relation number with a list

{{149, 144}, {745, 16}, {1043, -32}, {1937, -16}, {1, 0}}

$\frac{16}{151}$ is a relation number with a list {{151, 144}, {1057, 16}, {1, 0}}

$\frac{16}{153}$ is a relation number with a list {{153, 160}, {357, 16}, {765, -32}, {1, 0}}

$\frac{16}{155}$ is a relation number with a list {{155, 160}, {1, 0}}

$\frac{16}{157}$ is a relation number with a list

{{157, 160}, {471, -16}, {1099, -48}, {785, 16}, {1, 0}}

$\frac{16}{159}$ is a relation number with a list {{159, 160}, {1, 0}}

known cases

known cases

known cases

$\frac{17}{5}$ is a relation number with a list {{5, 17}, {60, 119}, {295, 408},

{565, -119}, {30, 17}, {20, -17}, {15, 17}, {10, 17}, {35, 34}, {1, 0}}

$\frac{17}{6}$ is a relation number with a list {{6, 17}, {66, 85}, {57, 68}, {33, -17}, {1, 0}}

$\frac{17}{7}$ is a relation number with a list

{{7, 17}, {70, 51}, {133, 34}, {21, 17}, {28, -17}, {42, 17}, {56, -17}, {35, -34}, {1, 0}}

$\frac{17}{8}$ is a relation number with a list {{8, 17}, {72, 17}, {1, 0}}

$\frac{17}{9}$ is a relation number with a list {{9, 17}, {72, -17}, {36, -17}, {18, 17}, {1, 0}}

$\frac{17}{10}$ is a relation number with a list

{{10, 17}, {70, -51}, {95, 68}, {270, 221}, {490, -289}, {440, -51}, {95, -68}}

$\frac{17}{11}$ is a relation number with a list {{11, 17}, {66, 17},
{22, 17}, {55, 17}, {44, -17}, {77, -51}, {275, 136}, {33, 17}, {1, 0}}

$\frac{17}{12}$ is a relation number with a list {{12, 17}, {30, -17}, {1, 0}}

$\frac{17}{13}$ is a relation number with a list {{13, 17}, {52, -17}, {1, 0}}

$\frac{17}{14}$ is a relation number with a list {{14, 17}, {42, 17}, {56, -17}, {70, 17}, {1, 0}}

$\frac{17}{15}$ is a relation number with a list {{15, 17}, {30, 17}, {60, 17}, {120, 17}, {1, 0}}

$\frac{17}{16}$ is a relation number with a list {{16, 17}, {1, 0}}

$\frac{17}{18}$ is a relation number with a list {{18, 17}, {1, 0}}

$\frac{17}{19}$ is a relation number with a list {{19, 17}, {38, 17}, {76, -17}, {152, -51}, {1, 0}}

$\frac{17}{20}$ is a relation number with a list {{20, 17}, {60, -17}, {40, 17}, {60, 17}}

$\frac{17}{21}$ is a relation number with a list {{21, 17}, {84, 17}, {1, 0}}

$\frac{17}{22}$ is a relation number with a list {{22, 17}, {55, 17}, {44, 17}, {154, -17}, {1, 0}}

$\frac{17}{23}$ is a relation number with a list {{23, 17}, {138, -17},
{46, 17}, {115, 34}, {299, -102}, {161, -34}, {207, 17}, {69, -17}, {1, 0}}

$\frac{17}{24}$ is a relation number with a list {{24, 17}, {56, 17}, {120, -17}, {1, 0}}

$\frac{17}{25}$ is a relation number with a list {{25, 17}, {200, 17}, {100, -17}, {50, 17}, {1, 0}}

$\frac{17}{26}$ is a relation number with a list {{26, 34}, {52, 17}, {1, 0}}

$\frac{17}{27}$ is a relation number with a list {{27, 34}, {189, 34}, {135, 34}, {1, 0}}

$\frac{17}{28}$ is a relation number with a list {{28, 34}, {84, -17}, {1, 0}}

$\frac{17}{29}$ is a relation number with a list {{29, 34}, {145, 34},
{261, 68}, {319, 85}, {609, 34}, {87, -17}, {58, 17}, {203, 17}, {1, 0}}

$\frac{17}{30}$ is a relation number with a list {{30, 34}, {1, 0}}

$\frac{17}{31}$ is a relation number with a list {{31, 34}, {93, 17},
{248, -17}, {217, 51}, {403, 34}, {155, -34}, {465, 34}, {341, 68}, {1, 0}}

$\frac{17}{32}$ is a relation number with a list {{32, 34}, {1, 0}}

$\frac{17}{33}$ is a relation number with a list {{33, 34}, {1, 0}}

$\frac{17}{35}$ is a relation number with a list {{35, 34}, {1, 0}}

$\frac{17}{36}$ is a relation number with a list {{36, 34}, {1, 0}}

$\frac{17}{37}$ is a relation number with a list {{37, 34}, {111, -17},
{296, -51}, {370, 17}, {148, -17}, {185, 34}, {555, -17}, {222, 17}, {1, 0}}

$\frac{17}{38}$ is a relation number with a list {{38, 34}, {1, 0}}

$\frac{17}{39}$ is a relation number with a list
{{39, 34}, {195, -34}, {117, -17}, {78, 17}, {91, 17}, {78, 17}}

$\frac{17}{40}$ is a relation number with a list {{40, 34}, {120, 17}, {1, 0}}

$\frac{17}{41}$ is a relation number with a list {{41, 34}, {287, -34}, {615, -119},
{820, -119}, {533, 17}, {246, -17}, {328, -17}, {205, -17}, {1, 0}}

$\frac{17}{42}$ is a relation number with a list {{42, 34}, {84, 17}, {1, 0}}

$\frac{17}{43}$ is a relation number with a list {{43, 51}, {344, -17}, {172, 17}, {86, 17}, {1, 0}}

$\frac{17}{44}$ is a relation number with a list {{44, 51}, {308, 17}, {1, 0}}

$\frac{17}{45}$ is a relation number with a list {{45, 51}, {90, 17}, {1, 0}}

$\frac{17}{46}$ is a relation number with a list
{{46, 51}, {115, 17}, {92, 17}, {322, -51}, {368, 51}, {506, -85}, {92, 17}}

$\frac{17}{47}$ is a relation number with a list {{47, 51}, {188, -17}, {1, 0}}

$\frac{17}{48}$ is a relation number with a list {{48, 51}, {1, 0}}

$\frac{17}{49}$ is a relation number with a list {{49, 51}, {98, 17}, {196, -17}, {392, 17}, {1, 0}}

$\frac{17}{50}$ is a relation number with a list {{50, 51}, {1, 0}}

$\frac{17}{52}$ is a relation number with a list {{52, 51}, {1, 0}}

$\frac{17}{53}$ is a relation number with a list
{{53, 51}, {106, 17}, {212, 17}, {424, -51}, {848, 17}, {106, 17}}

$\frac{17}{54}$ is a relation number with a list {{54, 51}, {1, 0}}

$\frac{17}{55}$ is a relation number with a list {{55, 51}, {220, 17}, {1, 0}}

$\frac{17}{56}$ is a relation number with a list {{56, 51}, {140, -17}, {1, 0}}

$\frac{17}{57}$ is a relation number with a list
{{57, 51}, {114, 17}, {285, -34}, {247, 17}, {456, -17}, {1, 0}}

$\frac{17}{58}$ is a relation number with a list {{58, 51}, {406, -17}, {1, 0}}

$\frac{17}{59}$ is a relation number with a list {{59, 51}, {472, 17}, {236, 17}, {118, 17}, {1, 0}}

$\frac{17}{60}$ is a relation number with a list {{60, 68}, {1, 0}}

$\frac{17}{61}$ is a relation number with a list {{61, 68}, {427, 17}, {122, 17},
{183, 17}, {244, -17}, {366, -17}, {488, -51}, {1342, 119}, {2013, -34},
{427, -51}, {1159, 119}, {1891, 119}, {793, 34}, {671, 17}, {488, -51}}

$\frac{17}{62}$ is a relation number with a list {{62, 68}, {186, -17}, {1, 0}}

$\frac{17}{63}$ is a relation number with a list {{63, 68}, {315, -34}, {1, 0}}

$\frac{17}{64}$ is a relation number with a list {{64, 68}, {1, 0}}

$\frac{17}{65}$ is a relation number with a list {{65, 68}, {195, 17}, {520, 17}, {455, -34}, {1, 0}}

$\frac{17}{66}$ is a relation number with a list {{66, 68}, {1, 0}}

$\frac{17}{67}$ is a relation number with a list {{67, 68}, {1, 0}}

$\frac{17}{69}$ is a relation number with a list {{69, 68}, {1, 0}}

$\frac{17}{70}$ is a relation number with a list {{70, 68}, {1, 0}}

$\frac{17}{71}$ is a relation number with a list {{71, 68}, {213, -17},
{568, -17}, {497, -17}, {284, 17}, {355, -17}, {142, 17}, {426, -17}, {1, 0}}

$\frac{17}{72}$ is a relation number with a list {{72, 68}, {1, 0}}

$\frac{17}{73}$ is a relation number with a list {{73, 68}, {365, 34}, {657, -34},
{803, -51}, {949, -34}, {219, -17}, {146, 17}, {511, -51}, {1, 0}}

$\frac{17}{74}$ is a relation number with a list {{74, 68}, {222, 17}, {1, 0}}

$\frac{17}{75}$ is a relation number with a list {{75, 68}, {525, -17}, {150, 17}, {1, 0}}

$\frac{17}{76}$ is a relation number with a list {{76, 68}, {1, 0}}

$\frac{17}{77}$ is a relation number with a list
{{77, 85}, {616, -17}, {308, -17}, {154, 17}, {1, 0}}

$\frac{17}{78}$ is a relation number with a list {{78, 85}, {273, 17}, {1, 0}}

$\frac{17}{79}$ is a relation number with a list {{79, 85}, {474, 17},
{158, 17}, {395, -17}, {316, 17}, {553, -34}, {711, 68}, {2449, 102}, {1, 0}}

$\frac{17}{80}$ is a relation number with a list {{80, 85}, {1, 0}}

$\frac{17}{81}$ is a relation number with a list {{81, 85}, {324, -17}, {1, 0}}

$\frac{17}{82}$ is a relation number with a list {{82, 85}, {246, 17}, {328, 17}, {205, 17}, {1, 0}}

$\frac{17}{83}$ is a relation number with a list {{83, 85}, {166, 17}, {332, 17}, {664, -51}, {1, 0}}

$\frac{17}{84}$ is a relation number with a list {{84, 85}, {1, 0}}

$\frac{17}{86}$ is a relation number with a list {{86, 85}, {1, 0}}

$\frac{17}{87}$ is a relation number with a list {{87, 85}, {174, 17}, {348, -17}, {696, 17}, {1, 0}}

$\frac{17}{88}$ is a relation number with a list {{88, 85}, {264, -17}, {1, 0}}

$\frac{17}{89}$ is a relation number with a list {{89, 85}, {356, 17}, {1, 0}}

$\frac{17}{90}$ is a relation number with a list {{90, 85}, {1, 0}}

$\frac{17}{91}$ is a relation number with a list
{{91, 85}, {546, -17}, {182, 17}, {455, -17}, {364, -17}, {1, 0}}

$\frac{17}{92}$ is a relation number with a list {{92, 85}, {322, -17}, {1, 0}}

$\frac{17}{93}$ is a relation number with a list {{93, 85}, {744, 17}, {372, -17}, {186, 17}, {1, 0}}

$\frac{17}{94}$ is a relation number with a list {{94, 102}, {188, 17}, {1, 0}}

$\frac{17}{95}$ is a relation number with a list
{{95, 102}, {665, -51}, {190, 17}, {285, -17}, {380, -17}, {570, 17}, {760, 17}, {1, 0}}

$\frac{17}{96}$ is a relation number with a list {{96, 102}, {1, 0}}

$\frac{17}{97}$ is a relation number with a list {{97, 102}, {485, -34},
{873, 68}, {1067, -51}, {388, -17}, {291, 17}, {194, 17}, {679, -17}, {1, 0}}

$\frac{17}{98}$ is a relation number with a list {{98, 102}, {1, 0}}

$\frac{17}{99}$ is a relation number with a list {{99, 102}, {1, 0}}

$\frac{17}{100}$ is a relation number with a list {{100, 102}, {1, 0}}

$\frac{17}{101}$ is a relation number with a list {{101, 102}, {1, 0}}

$\frac{17}{103}$ is a relation number with a list {{103, 102}, {1, 0}}

$\frac{17}{104}$ is a relation number with a list {{104, 102}, {1, 0}}

$\frac{17}{105}$ is a relation number with a list {{105, 102}, {1, 0}}

$\frac{17}{106}$ is a relation number with a list {{106, 102}, {1, 0}}

$\frac{17}{107}$ is a relation number with a list {{107, 102}, {535, 34},
{963, 34}, {1177, 85}, {1391, -34}, {321, 17}, {214, 17}, {749, -34}, {1, 0}}

$\frac{17}{108}$ is a relation number with a list {{108, 102}, {1, 0}}

$\frac{17}{109}$ is a relation number with a list {{109, 102}, {763, 51},
{218, 17}, {327, -17}, {436, -17}, {654, 17}, {872, -51}, {545, -34}, {1, 0}}

$\frac{17}{110}$ is a relation number with a list {{110, 102}, {220, 17}, {1, 0}}

$\frac{17}{111}$ is a relation number with a list
{{111, 119}, {888, -17}, {444, 17}, {222, 17}, {1, 0}}

$\frac{17}{112}$ is a relation number with a list {{112, 119}, {1, 0}}

$\frac{17}{113}$ is a relation number with a list
{{113, 119}, {678, 17}, {226, 17}, {565, -34}, {1469, 85}, {2712, -187}, {10 509, 578},
{11 865, -731}, {19 097, 714}, {20 453, -680}, {5989, -255}, {14 012, 697},
{8136, 425}, {6893, 323}, {12 430, -901}, {20 792, -1411}, {42 149, 918}, {8927, -323},
{13 221, 697}, {2486, 153}, {4294, -153}, {1130, 51}, {904, 51}, {1582, -51}, {1, 0}}

$\frac{17}{114}$ is a relation number with a list
{{114, 119}, {285, 17}, {228, 17}, {399, 17}, {456, 17}, {1, 0}}

$\frac{17}{115}$ is a relation number with a list {{115, 119}, {460, -17}, {1, 0}}

$\frac{17}{116}$ is a relation number with a list {{116, 119}, {348, 17}, {232, 17}, {348, -17}}

$\frac{17}{117}$ is a relation number with a list
{{117, 119}, {234, 17}, {468, -17}, {312, -17}, {234, 17}}

$\frac{17}{118}$ is a relation number with a list {{118, 119}, {1, 0}}

$\frac{17}{120}$ is a relation number with a list {{120, 119}, {1, 0}}

$\frac{17}{121}$ is a relation number with a list
{{121, 119}, {242, 17}, {484, 17}, {968, 17}, {1, 0}}

$\frac{17}{122}$ is a relation number with a list
{{122, 119}, {366, -17}, {488, 17}, {305, -17}, {1, 0}}

$\frac{17}{123}$ is a relation number with a list {{123, 119}, {492, 17}, {1, 0}}

$\frac{17}{124}$ is a relation number with a list {{124, 119}, {310, -17}, {1, 0}}

$\frac{17}{125}$ is a relation number with a list {{125, 119}, {750, -17}, {250, 17}, {1, 0}}

$\frac{17}{126}$ is a relation number with a list {{126, 119}, {1, 0}}

$\frac{17}{127}$ is a relation number with a list
{{127, 119}, {1016, 17}, {508, 17}, {254, 17}, {1, 0}}

$\frac{17}{128}$ is a relation number with a list {{128, 136}, {1, 0}}

$\frac{17}{129}$ is a relation number with a list {{129, 136}, {301, -17}, {645, -17}, {1, 0}}

$\frac{17}{130}$ is a relation number with a list {{130, 136}, {390, -17}, {1, 0}}

$\frac{17}{131}$ is a relation number with a list {{131, 136}, {655, 34},
{1179, 17}, {786, -17}, {524, 17}, {393, 17}, {262, 17}, {917, -34}, {1, 0}}

$\frac{17}{132}$ is a relation number with a list {{132, 136}, {1, 0}}

$\frac{17}{133}$ is a relation number with a list {{133, 136}, {399, 17}, {1064, -51}, {1, 0}}

$\frac{17}{134}$ is a relation number with a list {{134, 136}, {1, 0}}

$\frac{17}{135}$ is a relation number with a list {{135, 136}, {1, 0}}

$\frac{17}{137}$ is a relation number with a list {{137, 136}, {1, 0}}

$\frac{17}{138}$ is a relation number with a list {{138, 136}, {1, 0}}

$\frac{17}{139}$ is a relation number with a list {{139, 136}, {417, -17},
{1112, 51}, {1390, 51}, {1807, 17}, {695, -17}, {278, 17}, {834, 17}, {1, 0}}

$\frac{17}{140}$ is a relation number with a list {{140, 136}, {1, 0}}

$\frac{17}{141}$ is a relation number with a list
{{141, 136}, {705, -34}, {423, 17}, {282, 17}, {987, -17}, {1, 0}}

$\frac{17}{142}$ is a relation number with a list {{142, 136}, {426, 17}, {1, 0}}

$\frac{17}{143}$ is a relation number with a list {{143, 136}, {1001, 51},
{2717, 136}, {429, -17}, {572, 17}, {858, 17}, {1144, -17}, {715, 34}, {1, 0}}

$\frac{17}{144}$ is a relation number with a list {{144, 136}, {1, 0}}

$\frac{17}{145}$ is a relation number with a list
{{145, 153}, {1160, -17}, {580, -17}, {290, 17}, {1, 0}}

$\frac{17}{146}$ is a relation number with a list {{146, 153}, {511, 17}, {1, 0}}

$\frac{17}{147}$ is a relation number with a list
{{147, 153}, {294, 17}, {735, 34}, {1911, 85}, {2009, -17}, {1, 0}}

$\frac{17}{148}$ is a relation number with a list {{148, 153}, {370, -17}, {1, 0}}

$\frac{17}{149}$ is a relation number with a list {{149, 153}, {596, -17}, {1, 0}}

$\frac{17}{150}$ is a relation number with a list {{150, 153}, {1, 0}}

$\frac{17}{151}$ is a relation number with a list
{{151, 153}, {302, 17}, {604, 17}, {1208, 17}, {1, 0}}

$\frac{17}{152}$ is a relation number with a list {{152, 153}, {1, 0}}

$\frac{17}{154}$ is a relation number with a list {{154, 153}, {1, 0}}

$\frac{17}{155}$ is a relation number with a list
{{155, 153}, {310, 17}, {620, -17}, {1240, -51}, {2480, -17}, {310, 17}}

$\frac{17}{156}$ is a relation number with a list {{156, 153}, {1, 0}}

$\frac{17}{157}$ is a relation number with a list {{157, 153}, {628, 17}, {1, 0}}

$\frac{17}{158}$ is a relation number with a list
{{158, 153}, {395, 17}, {316, 17}, {1106, 51}, {1264, 51}, {1738, -17}, {316, 17}}

$\frac{17}{159}$ is a relation number with a list
{{159, 153}, {318, 17}, {795, 17}, {636, 17}, {1113, -34}, {477, 17}, {1, 0}}

$\frac{17}{160}$ is a relation number with a list {{160, 153}, {560, -17}, {1, 0}}

$\frac{17}{161}$ is a relation number with a list
{{161, 153}, {1288, 17}, {644, -17}, {322, 17}, {1, 0}}

$\frac{17}{162}$ is a relation number with a list {{162, 170}, {324, 17}, {1, 0}}

$\frac{17}{163}$ is a relation number with a list
{{163, 170}, {1141, 17}, {326, 17}, {489, 17}, {652, 17}, {978, 17},
{1304, -51}, {3586, 85}, {2608, -17}, {1141, -34}, {2445, -68}, {489, 17}}

$\frac{17}{164}$ is a relation number with a list {{164, 170}, {492, -17}, {1, 0}}

$\frac{17}{165}$ is a relation number with a list {{165, 170}, {1, 0}}

$\frac{17}{166}$ is a relation number with a list {{166, 170}, {1, 0}}

$\frac{17}{167}$ is a relation number with a list {{167, 170}, {501, 17}, {1336, -17},
{1169, -17}, {668, -17}, {835, -34}, {2505, 68}, {1837, 51}, {1, 0}}

$\frac{17}{168}$ is a relation number with a list {{168, 170}, {1, 0}}

$\frac{17}{169}$ is a relation number with a list {{169, 170}, {1, 0}}

$\frac{18}{5}$ is a relation number with a list {{5, 18}, {65, 144}, {395, 702}, {1535, 2016},
{2405, -1422}, {2195, -792}, {905, 702}, {1015, -144}, {35, 36}, {1, 0}}

$\frac{18}{7}$ is a relation number with a list {{7, 18}, {77, 72}, {35, -36}, {1, 0}}

$\frac{18}{11}$ is a relation number with a list {{11, 18}, {77, 54}, {253, 180},
{803, -648}, {1705, 1242}, {5093, -3006}, {10 109, -18}, {77, -54}}

$\frac{18}{13}$ is a relation number with a list
{{13, 18}, {65, 36}, {91, 36}, {221, 144}, {871, 540}, {2717, 504},
{2561, -540}, {1807, -486}, {1781, -1080}, {4927, 396}, {2275, -1152},
{377, -162}, {689, -198}, {1235, 846}, {5057, -3006}, {12 415, 4698},
{21 827, -630}, {2899, 162}, {221, 36}, {65, 18}, {91, 18}, {1, 0}}

$\frac{18}{17}$ is a relation number with a list {{17, 18}, {1, 0}}

$\frac{18}{19}$ is a relation number with a list {{19, 18}, {1, 0}}

$\frac{18}{23}$ is a relation number with a list {{23, 18}, {115, -36}, {161, 54}, {1, 0}}

$\frac{18}{25}$ is a relation number with a list {{25, 18}, {175, -54}, {325, 54}, {1, 0}}

$\frac{18}{29}$ is a relation number with a list

{{29, 36}, {203, -36}, {377, 108}, {1537, 270}, {2407, -360}, {3277, 270},
{1073, -162}, {1769, 306}, {1943, -432}, {6235, -918}, {5539, -882},
{7163, 1098}, {15 167, -3600}, {22 243, 6048}, {56 521, 18}, {1, 0}}

$\frac{18}{31}$ is a relation number with a list

{{31, 36}, {155, -36}, {341, 72}, {589, 162}, {1829, 288}, {3131, -162},
{1643, -252}, {3751, -900}, {4681, -720}, {11 129, 2934}, {18 817, -3546},
{33 697, 7470}, {113 243, 31 446}, {388 771, -71 874}, {911 431, -111 222},
{671 305, 60 228}, {272 707, -33 084}, {249 085, -13 194}, {49 631, 5562},
{13 237, -3330}, {2573, 144}, {589, -18}, {155, 18}, {217, -54}, {1, 0}}

$\frac{18}{35}$ is a relation number with a list {{35, 36}, {1, 0}}

$\frac{18}{37}$ is a relation number with a list {{37, 36}, {1, 0}}

$\frac{18}{41}$ is a relation number with a list {{41, 36}, {205, 36}, {451, -90}, {1, 0}}

$\frac{18}{43}$ is a relation number with a list

{{43, 36}, {301, 36}, {559, -90}, {817, -108}, {2021, 414}, {2107, -162}, {1, 0}}

$\frac{18}{47}$ is a relation number with a list {{47, 54}, {329, -18}, {235, -36}, {799, -144},
{3055, -252}, {1457, -126}, {2585, -18}, {329, -36}, {235, 18}, {1, 0}}

$\frac{18}{49}$ is a relation number with a list {{49, 54}, {245, -36}, {1, 0}}

$\frac{18}{53}$ is a relation number with a list {{53, 54}, {1, 0}}

$\frac{18}{55}$ is a relation number with a list {{55, 54}, {1, 0}}

$\frac{18}{59}$ is a relation number with a list {{59, 54}, {295, 36}, {413, -18}, {1, 0}}

$\frac{18}{61}$ is a relation number with a list {{61, 54}, {427, 18}, {305, -18}, {1, 0}}

$\frac{18}{65}$ is a relation number with a list {{65, 72}, {455, -18}, {1, 0}}

$\frac{18}{67}$ is a relation number with a list

{{67, 72}, {335, 36}, {737, 36}, {1139, -36}, {871, 72}, {469, 36}, {1, 0}}

$\frac{18}{71}$ is a relation number with a list {{71, 72}, {1, 0}}

$\frac{18}{73}$ is a relation number with a list {{73, 72}, {1, 0}}

$\frac{18}{77}$ is a relation number with a list {{77, 72}, {385, -36}, {1, 0}}

$\frac{18}{79}$ is a relation number with a list {{79, 72}, {553, 18}, {395, 18}, {1, 0}}

$\frac{18}{83}$ is a relation number with a list {{83, 90}, {581, -36}, {415, -18}, {1, 0}}

$\frac{18}{85}$ is a relation number with a list {{85, 90}, {1, 0}}

$\frac{18}{89}$ is a relation number with a list {{89, 90}, {1, 0}}

$\frac{18}{91}$ is a relation number with a list {{91, 90}, {1, 0}}

$\frac{18}{95}$ is a relation number with a list {{95, 90}, {1, 0}}

$\frac{18}{97}$ is a relation number with a list {{97, 90}, {679, 36}, {485, 18}, {1, 0}}

$\frac{18}{101}$ is a relation number with a list {{101, 108}, {707, 54}, {505, -36}, {1, 0}}

$\frac{18}{103}$ is a relation number with a list {{103, 108}, {515, 36}, {1133, -54}, {1, 0}}

$\frac{18}{107}$ is a relation number with a list {{107, 108}, {1, 0}}

$\frac{18}{109}$ is a relation number with a list {{109, 108}, {1, 0}}

$\frac{18}{113}$ is a relation number with a list
{{113, 108}, {565, -36}, {1243, -90}, {1921, 72}, {2599, 144}, {791, 18}, {1, 0}}

$\frac{18}{115}$ is a relation number with a list {{115, 108}, {805, -54}, {1, 0}}

$\frac{18}{119}$ is a relation number with a list {{119, 126}, {1, 0}}

$\frac{18}{121}$ is a relation number with a list {{121, 126}, {605, -36}, {847, -54},
{2057, 108}, {605, 18}, {847, -36}, {2057, 72}, {3751, 216}, {9559, 540},
{19 481, 1314}, {27 709, 1764}, {62 315, -234}, {781, -18}, {847, -36}}

$\frac{18}{125}$ is a relation number with a list {{125, 126}, {1, 0}}

$\frac{18}{127}$ is a relation number with a list {{127, 126}, {1, 0}}

$\frac{18}{131}$ is a relation number with a list {{131, 126}, {655, 36}, {917, 54}, {1, 0}}

$\frac{18}{133}$ is a relation number with a list {{133, 126}, {1, 0}}

$\frac{18}{137}$ is a relation number with a list
{{137, 144}, {959, 54}, {1781, 90}, {2603, -18}, {959, -54}}

$\frac{18}{139}$ is a relation number with a list
{{139, 144}, {695, -36}, {1529, -54}, {2363, 144}, {8201, -162}, {8479, -540},
{22 379, -288}, {11 815, 252}, {4031, -54}, {2641, -18}, {695, -18}, {973, -18}, {1, 0}}

$\frac{18}{143}$ is a relation number with a list {{143, 144}, {1, 0}}

$\frac{18}{145}$ is a relation number with a list {{145, 144}, {1, 0}}

$\frac{18}{149}$ is a relation number with a list {{149, 144}, {745, 36}, {1639, -18}, {1, 0}}

$\frac{18}{151}$ is a relation number with a list
{{151, 144}, {1057, -54}, {3473, -126}, {8305, 216}, {14 647, -558}, {20 989, 810},
{10 721, 378}, {20 687, 360}, {25 217, 252}, {2567, 108}, {3775, -108}, {755, 18}, {1, 0}}

$\frac{18}{155}$ is a relation number with a list {{155, 162}, {1085, -36}, {1, 0}}

$\frac{18}{157}$ is a relation number with a list {{157, 162}, {785, 36}, {1099, 18}, {1, 0}}

$\frac{18}{161}$ is a relation number with a list {{161, 162}, {1, 0}}

$\frac{18}{163}$ is a relation number with a list {{163, 162}, {1, 0}}

$\frac{18}{167}$ is a relation number with a list
{{167, 162}, {835, -36}, {1169, 36}, {2839, -108}, {5177, -180}, {7181, -126}, {1, 0}}

$\frac{18}{169}$ is a relation number with a list
{{169, 162}, {1183, 36}, {845, 36}, {2873, -36}, {1183, 36}}

$\frac{18}{173}$ is a relation number with a list {{173, 180}, {1211, -18}, {865, 36}, {1, 0}}

$\frac{18}{175}$ is a relation number with a list {{175, 180}, {1, 0}}

$\frac{18}{179}$ is a relation number with a list {{179, 180}, {1, 0}}

known cases

known cases

known cases

$\frac{19}{5}$ is a relation number with a list
{{5, 19}, {70, 171}, {505, 1064}, {2795, 5301}, {12 530, 21 109}, {42 895, 57 456},
{72 805, -10 621}, {7710, -5491}, {11 095, 14 706}, {18 055, -4921},
{8145, -6346}, {8995, 2451}, {4045, 3116}, {4645, -2071},
{2515, -798}, {605, 608}, {15, -19}, {20, 19}, {1, 0}}

$\frac{19}{6}$ is a relation number with a list {{6, 19}, {78, 133},
{330, 247}, {498, -95}, {138, -133}, {15, -19}, {12, 19}, {42, 19}, {12, 19}}

$\frac{19}{7}$ is a relation number with a list {{7, 19}, {84, 95}, {77, -38}, {1, 0}}

$\frac{19}{8}$ is a relation number with a list {{8, 19}, {88, 57}, {104, 19}, {72, -19}, {1, 0}}

$\frac{19}{9}$ is a relation number with a list {{9, 19}, {90, 19}, {45, 19},
{63, 38}, {117, -95}, {198, -19}, {72, -19}, {36, 19}, {18, 19}, {1, 0}}

$\frac{19}{10}$ is a relation number with a list {{10, 19}, {90, -19}, {1, 0}}

$\frac{19}{11}$ is a relation number with a list
{{11, 19}, {88, -57}, {286, 133}, {220, -57}, {88, 19}, {77, 57},
{220, -133}, {506, -285}, {704, -513}, {2101, 1615}, {5346, -703},
{3058, 2451}, {6677, 3895}, {12 243, -551}, {121, 76}, {341, -247},
{1034, 855}, {1969, -798}, {4103, -1691}, {7931, -4902}, {20 603, -17 252},
{36 861, 1235}, {2079, 779}, {2838, 1235}, {4048, -399}, {638, 19}, {88, -57}}

$\frac{19}{12}$ is a relation number with a list {{12, 19}, {42, 19}, {1, 0}}

$\frac{19}{13}$ is a relation number with a list {{13, 19}, {78, -19}, {26, 19},
{91, -19}, {52, 19}, {65, 38}, {143, -76}, {117, -38}, {39, 19}, {1, 0}}

$\frac{19}{14}$ is a relation number with a list
{{14, 19}, {70, 19}, {42, -19}, {28, 19}, {63, -38}, {91, 19}, {28, 19}}

$\frac{19}{15}$ is a relation number with a list {{15, 19}, {60, 19}, {1, 0}}

$\frac{19}{16}$ is a relation number with a list {{16, 19}, {48, -19}, {72, -19}, {1, 0}}

$\frac{19}{17}$ is a relation number with a list {{17, 19}, {34, 19}, {68, -19},
{136, 19}, {51, -19}, {102, -19}, {119, -57}, {85, -19}, {153, 19}, {1, 0}}

$\frac{19}{18}$ is a relation number with a list {{18, 19}, {1, 0}}

$\frac{19}{20}$ is a relation number with a list {{20, 19}, {1, 0}}

$\frac{19}{21}$ is a relation number with a list {{21, 19}, {42, 19}, {84, 19}, {56, -19}, {1, 0}}

$\frac{19}{22}$ is a relation number with a list
{{22, 19}, {66, 19}, {99, 38}, {330, 19}, {154, 19}, {1, 0}}

$\frac{19}{23}$ is a relation number with a list {{23, 19}, {92, -19}, {69, -19},
{161, 38}, {207, 19}, {46, 19}, {184, -19}, {138, -19}, {115, 38}, {1, 0}}

$\frac{19}{24}$ is a relation number with a list {{24, 19}, {120, -19}, {1, 0}}

$\frac{19}{25}$ is a relation number with a list
{{25, 19}, {150, 19}, {50, 19}, {175, 57}, {100, -19}, {1, 0}}

$\frac{19}{26}$ is a relation number with a list
{{26, 19}, {91, -19}, {52, 19}, {130, -19}, {78, -19}, {1, 0}}

$\frac{19}{27}$ is a relation number with a list {{27, 19}, {72, 19}, {108, 19}, {54, 19}, {1, 0}}

$\frac{19}{28}$ is a relation number with a list
{{28, 19}, {252, 19}, {70, -19}, {84, -19}, {56, 19}, {1, 0}}

$\frac{19}{29}$ is a relation number with a list {{29, 38}, {261, -76}, {957, 304},
{1305, 266}, {725, -114}, {1189, -190}, {1421, 76}, {667, -19}, {58, 19}, {1, 0}}

$\frac{19}{30}$ is a relation number with a list {{30, 38}, {60, 19}, {1, 0}}

$\frac{19}{31}$ is a relation number with a list {{31, 38}, {217, 19}, {248, -19}, {1, 0}}

$\frac{19}{32}$ is a relation number with a list {{32, 38}, {96, 19}, {1, 0}}

$\frac{19}{33}$ is a relation number with a list
{{33, 38}, {165, -19}, {66, 19}, {99, -19}, {132, -19}, {1, 0}}

$\frac{19}{34}$ is a relation number with a list {{34, 38}, {1, 0}}

$\frac{19}{35}$ is a relation number with a list
{{35, 38}, {105, -19}, {315, -19}, {280, 57}, {1, 0}}

$\frac{19}{36}$ is a relation number with a list {{36, 38}, {1, 0}}

$\frac{19}{37}$ is a relation number with a list {{37, 38}, {1, 0}}

$\frac{19}{39}$ is a relation number with a list {{39, 38}, {1, 0}}

$\frac{19}{40}$ is a relation number with a list {{40, 38}, {1, 0}}

$\frac{19}{41}$ is a relation number with a list {{41, 38}, {123, 19}, {369, -76},
{451, -19}, {205, 19}, {164, -19}, {287, -19}, {82, 19}, {246, -19}, {1, 0}}

$\frac{19}{42}$ is a relation number with a list {{42, 38}, {1, 0}}

$\frac{19}{43}$ is a relation number with a list {{43, 38}, {215, 19}, {258, 19},
{344, -57}, {86, 19}, {387, 38}, {301, 38}, {129, 19}, {172, 19}, {1, 0}}

$\frac{19}{44}$ is a relation number with a list {{44, 38}, {132, -19}, {1, 0}}

$\frac{19}{45}$ is a relation number with a list {{45, 38}, {315, -19}, {120, -19}, {90, 19}, {1, 0}}

$\frac{19}{46}$ is a relation number with a list {{46, 38}, {92, 19}, {138, -19}, {230, -19}, {1, 0}}

$\frac{19}{47}$ is a relation number with a list
{{47, 38}, {423, 76}, {1551, 190}, {1457, 95}, {1504, 209}, {1927, -304}, {4841, -589},
{6063, -722}, {13 489, -1216}, {5311, 817}, {19 176, 361}, {2021, -190},
{3243, -247}, {1504, -57}, {1034, -171}, {376, 19}, {188, 19}, {94, 19}, {1, 0}}

$\frac{19}{48}$ is a relation number with a list {{48, 57}, {1, 0}}

$\frac{19}{49}$ is a relation number with a list {{49, 57}, {392, -57}, {1, 0}}

$\frac{19}{50}$ is a relation number with a list
{{50, 57}, {350, -57}, {200, 19}, {225, 38}, {150, -19}, {1, 0}}

$\frac{19}{51}$ is a relation number with a list
{{51, 57}, {102, 19}, {357, 38}, {255, -19}, {136, -19}, {1, 0}}

$\frac{19}{52}$ is a relation number with a list {{52, 57}, {260, -19}, {156, -19}, {1, 0}}

$\frac{19}{53}$ is a relation number with a list {{53, 57}, {212, 19}, {159, -19}, {371, 57},
{1484, 171}, {2915, 342}, {8639, 456}, {1325, 57}, {742, 95}, {954, 95}, {212, 19}}

$\frac{19}{54}$ is a relation number with a list {{54, 57}, {1, 0}}

$\frac{19}{55}$ is a relation number with a list
{{55, 57}, {110, 19}, {220, 19}, {440, 19}, {165, 19}, {330, -19}, {385, 19}, {1, 0}}

$\frac{19}{56}$ is a relation number with a list {{56, 57}, {1, 0}}

$\frac{19}{58}$ is a relation number with a list {{58, 57}, {1, 0}}

$\frac{19}{59}$ is a relation number with a list {{59, 57}, {118, 19}, {236, -19},
{472, -57}, {944, -19}, {354, -19}, {413, 57}, {826, -95}, {1711, 95}, {1, 0}}

$\frac{19}{60}$ is a relation number with a list {{60, 57}, {1, 0}}

$\frac{19}{61}$ is a relation number with a list {{61, 57}, {244, -19}, {183, 19},
{427, 38}, {549, -76}, {1037, -114}, {671, -57}, {793, 19}, {305, -19}, {1, 0}}

$\frac{19}{62}$ is a relation number with a list
{{62, 57}, {310, 19}, {186, 19}, {124, 19}, {558, 19}, {434, -19}, {186, -19}}

$\frac{19}{63}$ is a relation number with a list {{63, 57}, {126, 19}, {1, 0}}

$\frac{19}{64}$ is a relation number with a list {{64, 57}, {448, 57}, {1, 0}}

$\frac{19}{65}$ is a relation number with a list {{65, 57}, {520, 57}, {455, -19}, {1, 0}}

$\frac{19}{66}$ is a relation number with a list {{66, 57}, {1, 0}}

$\frac{19}{67}$ is a relation number with a list {{67, 76}, {603, 38}, {335, 19},
{469, 57}, {871, 114}, {2747, 152}, {737, -57}, {268, 19}, {134, 19}, {1, 0}}

$\frac{19}{68}$ is a relation number with a list {{68, 76}, {1, 0}}

$\frac{19}{69}$ is a relation number with a list
{{69, 76}, {161, -19}, {207, 19}, {138, 19}, {345, -19}, {1, 0}}

$\frac{19}{70}$ is a relation number with a list {{70, 76}, {210, 19}, {1, 0}}

$\frac{19}{71}$ is a relation number with a list {{71, 76}, {355, 19}, {426, 19},
{568, -19}, {142, 19}, {639, -19}, {497, 19}, {213, -19}, {284, 19}, {1, 0}}

$\frac{19}{72}$ is a relation number with a list {{72, 76}, {1, 0}}

$\frac{19}{73}$ is a relation number with a list {{73, 76}, {219, -19}, {657, 19}, {584, -19},
{365, -38}, {1095, -76}, {2263, -247}, {2920, 209}, {438, 19}, {1, 0}}

$\frac{19}{74}$ is a relation number with a list {{74, 76}, {1, 0}}

$\frac{19}{75}$ is a relation number with a list {{75, 76}, {1, 0}}

$\frac{19}{77}$ is a relation number with a list {{77, 76}, {1, 0}}

$\frac{19}{78}$ is a relation number with a list {{78, 76}, {1, 0}}

$\frac{19}{79}$ is a relation number with a list
{{79, 76}, {237, 19}, {711, -38}, {869, 76}, {2607, -266}, {4187, -133}, {5056, 437}, {14 852, 1197}, {38 552, 1843}, {11 929, 722}, {27 255, 1957}, {11 297, 266}, {9875, -361}, {10 112, 665}, {10 823, 475}, {8058, -703}, {25 675, 38}, {1027, -38}, {1, 0}}

$\frac{19}{80}$ is a relation number with a list {{80, 76}, {1, 0}}

$\frac{19}{81}$ is a relation number with a list {{81, 76}, {405, -19}, {162, 19}, {1, 0}}

$\frac{19}{82}$ is a relation number with a list {{82, 76}, {246, -19}, {1, 0}}

$\frac{19}{83}$ is a relation number with a list {{83, 76}, {581, 57}, {913, -76}, {1, 0}}

$\frac{19}{84}$ is a relation number with a list {{84, 76}, {1, 0}}

$\frac{19}{85}$ is a relation number with a list {{85, 76}, {765, -38}, {1, 0}}

$\frac{19}{86}$ is a relation number with a list
{{86, 95}, {387, 19}, {301, 19}, {258, 19}, {344, 19}, {1, 0}}

$\frac{19}{87}$ is a relation number with a list {{87, 95}, {232, -19}, {348, 19}, {174, 19}, {1, 0}}

$\frac{19}{88}$ is a relation number with a list {{88, 95}, {616, 19}, {1, 0}}

$\frac{19}{89}$ is a relation number with a list {{89, 95}, {534, -19}, {178, 19}, {623, -38}, {1335, 38}, {445, -38}, {979, 38}, {801, 38}, {267, 19}, {1, 0}}

$\frac{19}{90}$ is a relation number with a list {{90, 95}, {1, 0}}

$\frac{19}{91}$ is a relation number with a list {{91, 95}, {364, 19}, {273, 19}, {1, 0}}

$\frac{19}{92}$ is a relation number with a list {{92, 95}, {276, -19}, {414, 19}, {1, 0}}

$\frac{19}{93}$ is a relation number with a list
{{93, 95}, {186, 19}, {372, -19}, {248, -19}, {1, 0}}

$\frac{19}{94}$ is a relation number with a list {{94, 95}, {1, 0}}

$\frac{19}{96}$ is a relation number with a list {{96, 95}, {1, 0}}

$\frac{19}{97}$ is a relation number with a list
{{97, 95}, {194, 19}, {388, 19}, {776, 19}, {291, -19}, {582, -19}, {679, -19}, {485, 38}, {873, 76}, {3589, 342}, {16 393, 1064}, {42 001, -3743}, {80 316, -1235}, {3977, 171}, {4268, -133}, {1164, 95}, {2328, 95}, {4559, -285}, {1, 0}}

$\frac{19}{98}$ is a relation number with a list
{{98, 95}, {294, 19}, {882, -19}, {392, -19}, {1, 0}}

$\frac{19}{99}$ is a relation number with a list {{99, 95}, {396, -19}, {1, 0}}

$\frac{19}{100}$ is a relation number with a list {{100, 95}, {1, 0}}

$\frac{19}{101}$ is a relation number with a list
{{101, 95}, {606, 19}, {202, 19}, {707, -57}, {2323, -76}, {3333, 152},
{1111, -95}, {2929, 228}, {3535, 247}, {7777, 76}, {2525, 76}, {1717, -76},
{3131, 19}, {404, -19}, {505, -19}, {808, -57}, {1010, -57}, {1616, -19}, {1, 0}}

$\frac{19}{102}$ is a relation number with a list
{{102, 95}, {714, -19}, {408, -19}, {306, -19}, {1, 0}}

$\frac{19}{103}$ is a relation number with a list {{103, 95}, {824, 57}, {2678, -57}, {1, 0}}

$\frac{19}{104}$ is a relation number with a list
{{104, 95}, {468, -19}, {728, -19}, {312, -19}, {1, 0}}

$\frac{19}{105}$ is a relation number with a list {{105, 114}, {1, 0}}

$\frac{19}{106}$ is a relation number with a list
{{106, 114}, {212, 19}, {318, 19}, {530, -19}, {1, 0}}

$\frac{19}{107}$ is a relation number with a list
{{107, 114}, {749, 38}, {1177, -95}, {3959, -323}, {8881, 133}, {3210, 19}, {1, 0}}

$\frac{19}{108}$ is a relation number with a list {{108, 114}, {1, 0}}

$\frac{19}{109}$ is a relation number with a list {{109, 114}, {545, 19}, {654, -19},
{872, 57}, {1853, 76}, {3161, 19}, {763, -57}, {2398, 57}, {436, -19}, {1, 0}}

$\frac{19}{110}$ is a relation number with a list {{110, 114}, {1, 0}}

$\frac{19}{111}$ is a relation number with a list {{111, 114}, {1, 0}}

$\frac{19}{112}$ is a relation number with a list {{112, 114}, {1, 0}}

$\frac{19}{113}$ is a relation number with a list {{113, 114}, {1, 0}}

$\frac{19}{115}$ is a relation number with a list {{115, 114}, {1, 0}}

$\frac{19}{116}$ is a relation number with a list {{116, 114}, {1, 0}}

$\frac{19}{117}$ is a relation number with a list {{117, 114}, {1, 0}}

$\frac{19}{118}$ is a relation number with a list {{118, 114}, {1, 0}}

$\frac{19}{119}$ is a relation number with a list
{{119, 114}, {595, -19}, {714, 19}, {952, 19}, {238, 19}, {1071, -38}, {1, 0}}

$\frac{19}{120}$ is a relation number with a list {{120, 114}, {1, 0}}

$\frac{19}{121}$ is a relation number with a list {{121, 114}, {847, -38}, {1, 0}}

$\frac{19}{122}$ is a relation number with a list
{{122, 114}, {244, 19}, {366, 19}, {305, 19}, {1, 0}}

$\frac{19}{123}$ is a relation number with a list {{123, 114}, {1, 0}}

$\frac{19}{124}$ is a relation number with a list
{{124, 133}, {279, -19}, {372, -19}, {248, 19}, {1, 0}}

$\frac{19}{125}$ is a relation number with a list {{125, 133}, {1000, -57},
{3250, 209}, {2350, 133}, {1100, 19}, {250, 19}, {375, -19}, {1, 0}}

$\frac{19}{126}$ is a relation number with a list {{126, 133}, {1, 0}}

$\frac{19}{127}$ is a relation number with a list {{127, 133}, {762, -19}, {254, 19},
{889, 19}, {508, 19}, {635, -38}, {1397, 19}, {1143, -19}, {381, -19}, {1, 0}}

$\frac{19}{128}$ is a relation number with a list {{128, 133}, {640, -19}, {384, 19}, {1, 0}}

$\frac{19}{129}$ is a relation number with a list {{129, 133}, {516, 19}, {1, 0}}

$\frac{19}{130}$ is a relation number with a list {{130, 133}, {390, -19}, {585, 38}, {390, 19}}

$\frac{19}{131}$ is a relation number with a list {{131, 133}, {262, 19}, {524, 19}, {1048, -57},
{2882, 57}, {3275, 133}, {6550, -323}, {11790, 437}, {1179, 38}, {1, 0}}

$\frac{19}{132}$ is a relation number with a list {{132, 133}, {1, 0}}

$\frac{19}{134}$ is a relation number with a list {{134, 133}, {1, 0}}

$\frac{19}{135}$ is a relation number with a list
{{135, 133}, {270, 19}, {540, -19}, {1080, 19}, {1, 0}}

$\frac{19}{136}$ is a relation number with a list {{136, 133}, {408, 19}, {1224, 19}, {1, 0}}

$\frac{19}{137}$ is a relation number with a list {{137, 133}, {548, -19}, {411, -19},
{959, -57}, {1370, 19}, {274, 19}, {1096, 19}, {822, 19}, {685, 38}, {1, 0}}

$\frac{19}{138}$ is a relation number with a list {{138, 133}, {690, 19}, {1, 0}}

$\frac{19}{139}$ is a relation number with a list {{139, 133}, {834, 19}, {278, 19},
{973, 19}, {556, -19}, {695, 19}, {1112, -57}, {3892, -57}, {2224, -19}, {1, 0}}

$\frac{19}{140}$ is a relation number with a list {{140, 133}, {1, 0}}

$\frac{19}{141}$ is a relation number with a list
{{141, 133}, {376, 19}, {564, -19}, {282, 19}, {1, 0}}

$\frac{19}{142}$ is a relation number with a list
{{142, 133}, {639, 38}, {994, 57}, {3550, 19}, {426, -19}, {568, 19}, {1, 0}}

$\frac{19}{143}$ is a relation number with a list {{143, 152}, {1287, -19}, {715, -38},
{1001, -19}, {858, -19}, {429, 19}, {1144, 19}, {572, -19}, {286, 19}, {1, 0}}

$\frac{19}{144}$ is a relation number with a list {{144, 152}, {1, 0}}

$\frac{19}{145}$ is a relation number with a list {{145, 152}, {1015, 38}, {1595, -76}, {1, 0}}

$\frac{19}{146}$ is a relation number with a list {{146, 152}, {438, 19}, {1, 0}}

$\frac{19}{147}$ is a relation number with a list
{{147, 152}, {735, -19}, {294, 19}, {441, 19}, {588, -19}, {1, 0}}

$\frac{19}{148}$ is a relation number with a list {{148, 152}, {1, 0}}

$\frac{19}{149}$ is a relation number with a list {{149, 152}, {447, -19}, {1341, -76}, {4023, 38},
{745, 38}, {2235, 38}, {1043, 57}, {2533, 95}, {4768, -171}, {2980, 19}, {447, 19}}

$\frac{19}{150}$ is a relation number with a list {{150, 152}, {1, 0}}

$\frac{19}{151}$ is a relation number with a list {{151, 152}, {1, 0}}

$\frac{19}{153}$ is a relation number with a list {{153, 152}, {1, 0}}

$\frac{19}{154}$ is a relation number with a list {{154, 152}, {1, 0}}

$\frac{19}{155}$ is a relation number with a list
{{155, 152}, {465, 19}, {1395, 38}, {1705, -38}, {1, 0}}

$\frac{19}{156}$ is a relation number with a list {{156, 152}, {1, 0}}

$\frac{19}{157}$ is a relation number with a list {{157, 152}, {785, 19}, {942, 19},
{1256, 57}, {314, 19}, {1413, -76}, {4867, 152}, {471, -19}, {628, 19}, {1, 0}}

$\frac{19}{158}$ is a relation number with a list {{158, 152}, {474, -19}, {1, 0}}

$\frac{19}{159}$ is a relation number with a list {{159, 152}, {1113, -38}, {1749, 19}, {1, 0}}

$\frac{19}{160}$ is a relation number with a list {{160, 152}, {1, 0}}

$\frac{19}{161}$ is a relation number with a list {{161, 152}, {1449, 19}, {805, 19}, {1, 0}}

$\frac{19}{162}$ is a relation number with a list {{162, 171}, {1, 0}}

$\frac{19}{163}$ is a relation number with a list {{163, 171}, {1304, -57}, {1141, -19}, {1, 0}}

$\frac{19}{164}$ is a relation number with a list
{{164, 171}, {1148, 19}, {328, 19}, {820, -19}, {492, 19}, {1, 0}}

$\frac{19}{165}$ is a relation number with a list {{165, 171}, {330, 19}, {385, -19}, {1, 0}}

$\frac{19}{166}$ is a relation number with a list
{{166, 171}, {830, 19}, {498, 19}, {332, 19}, {747, 38}, {1079, 57}, {332, 19}}

$\frac{19}{167}$ is a relation number with a list {{167, 171}, {668, 19}, {501, -19},
{1169, 19}, {1503, 76}, {2839, -95}, {1837, -19}, {1002, -19}, {835, 38}, {1, 0}}

$\frac{19}{168}$ is a relation number with a list {{168, 171}, {1, 0}}

$\frac{19}{169}$ is a relation number with a list {{169, 171}, {338, 19}, {676, -19},
{1352, 19}, {507, 19}, {1014, -19}, {1183, -19}, {845, 19}, {1521, -38}, {1, 0}}

$\frac{19}{170}$ is a relation number with a list {{170, 171}, {1, 0}}

$\frac{19}{172}$ is a relation number with a list {{172, 171}, {1, 0}}

$\frac{19}{173}$ is a relation number with a list
{{173, 171}, {346, 19}, {692, 19}, {1384, -57}, {2768, -133}, {4325, 209}, {11 072, 323},
{15 570, -551}, {24 566, -893}, {75 774, -3629}, {75 255, -323}, {692, 19}}

$\frac{19}{174}$ is a relation number with a list {{174, 171}, {1, 0}}

$\frac{19}{175}$ is a relation number with a list {{175, 171}, {700, -19}, {525, 19}, {1, 0}}

$\frac{19}{176}$ is a relation number with a list {{176, 171}, {880, -19}, {528, -19}, {1, 0}}

$\frac{19}{177}$ is a relation number with a list

{{177, 171}, {354, 19}, {1239, -38}, {885, -38}, {1947, -38}, {531, -19}, {1, 0}}

$\frac{19}{178}$ is a relation number with a list

{{178, 171}, {1246, -19}, {712, 19}, {801, -19}, {534, -19}, {1, 0}}

$\frac{19}{179}$ is a relation number with a list {{179, 171}, {1432, 57}, {1253, -38}, {1, 0}}

$\frac{19}{180}$ is a relation number with a list {{180, 171}, {1, 0}}

$\frac{19}{181}$ is a relation number with a list

{{181, 190}, {1629, -19}, {905, 19}, {1267, 19}, {1086, -19}, {543, -19},
{1448, -57}, {4163, 171}, {10 679, -437}, {34 571, 741}, {46 336, 2071},
{140 094, 7201}, {592 775, -3344}, {160 547, 1444}, {47 603, 1520},
{87 423, -190}, {4163, 133}, {7240, -247}, {13 937, 646}, {49 775, -1976},
{67 875, -1406}, {70 047, 2869}, {215 571, -1178}, {543, -19}}

$\frac{19}{182}$ is a relation number with a list

{{182, 190}, {364, 19}, {546, -19}, {455, 19}, {1, 0}}

$\frac{19}{183}$ is a relation number with a list

{{183, 190}, {427, -19}, {549, -19}, {366, 19}, {915, -38}, {1, 0}}

$\frac{19}{184}$ is a relation number with a list {{184, 190}, {552, 19}, {1, 0}}

$\frac{19}{185}$ is a relation number with a list {{185, 190}, {1, 0}}

$\frac{19}{186}$ is a relation number with a list {{186, 190}, {1, 0}}

$\frac{19}{187}$ is a relation number with a list {{187, 190}, {561, -19}, {1683, -38}, {1, 0}}

$\frac{19}{188}$ is a relation number with a list {{188, 190}, {1, 0}}

$\frac{19}{189}$ is a relation number with a list {{189, 190}, {1, 0}}

known cases

$\frac{20}{7}$ is a relation number with a list

{{7, 20}, {91, 120}, {203, -260}, {399, -460}, {427, -440}, {91, -40}, {77, -60},
{119, -80}, {273, 220}, {371, 480}, {763, 1000}, {1659, -2260}, {4207, 3800},
{2849, 2180}, {4683, 1880}, {6461, -5300}, {8127, 9340}, {8491, 7400},
{7637, 8160}, {3661, -4820}, {8113, 10 560}, {17 129, 23 960}, {47 817, -31 100},
{100 681, -69 960}, {215 047, 124 700}, {240 471, -185 840}, {382 417, -208 260},
{238 721, 93 700}, {296 653, 191 680}, {606 949, 392 380}, {1 244 677, 809 560},
{2 621 101, 1 821 940}, {5 594 127, -3 229 640}, {6 056 071, 5 304 420}, {5 261 557, 7 064 900},
{12 623 401, -13 387 440}, {5 348 273, 2 027 400}, {5 137 489, 486 740}, {1 516 557, 925 840},
{2 345 861, 221 580}, {640 633, 279 320}, {573 951, 315 380}, {397 663, 64 700},
{66 241, 74 380}, {56 973, -32 320}, {53 669, 72 900}, {134 617, -125 680},
{62 559, 13 940}, {47 593, -38 400}, {64 351, -84 940}, {144 123, 182 800},
{270 739, 267 480}, {22 813, -17 860}, {34 671, -25 960}, {60 977, -7500},
{6839, 6120}, {5033, -300}, {469, -580}, {777, -380}, {119, 60}, {1, 0}}

$\frac{20}{9}$ is a relation number with a list {{9, 20}, {99, 40}, {171, -20}, {1, 0}}

$\frac{20}{11}$ is a relation number with a list

{{11, 20}, {99, -40}, {209, -60}, {319, -80}, {1, 0}}

$\frac{20}{13}$ is a relation number with a list

{{13, 20}, {91, 20}, {117, -80}, {481, -300}, {1547, -860}, {2249, 800}, {1963, -1340},
{8099, -4960}, {23 673, -8360}, {18 291, -3880}, {14 417, 6080}, {29 341, -11 240},
{56 927, -29 040}, {14 989, 8560}, {27 703, 16 580}, {70 941, 2740}, {299, 20}, {1, 0}}

$\frac{20}{17}$ is a relation number with a list {{17, 20}, {51, 20}, {153, 20}, {119, -60}, {1, 0}}

$\frac{20}{19}$ is a relation number with a list {{19, 20}, {1, 0}}

$\frac{20}{21}$ is a relation number with a list {{21, 20}, {1, 0}}

$\frac{20}{23}$ is a relation number with a list

{{23, 20}, {69, -20}, {207, 80}, {759, 140}, {1357, -320}, {1771, 340},
{1633, -700}, {5359, -2120}, {23 023, 8720}, {72 151, -12 340}, {43 447, -18 420},
{151 961, -27 240}, {264 017, -62 220}, {348 151, 82 640}, {404 593, 141 620},
{466 141, -14 540}, {19 803, -7240}, {44 091, 13 160}, {106 053, 26 020},
{45 379, 6560}, {12 443, 600}, {3611, -1240}, {2507, 180}, {299, 20}, {1, 0}}

$\frac{20}{27}$ is a relation number with a list {{27, 20}, {189, -20}, {1, 0}}

$\frac{20}{29}$ is a relation number with a list {{29, 20}, {261, 40}, {551, -20}, {261, 40}}

$\frac{20}{31}$ is a relation number with a list {{31, 40}, {279, 20}, {1, 0}}

$\frac{20}{33}$ is a relation number with a list {{33, 40}, {77, -20}, {1, 0}}

$\frac{20}{37}$ is a relation number with a list {{37, 40}, {111, 20}, {333, -20},
{259, 40}, {703, -40}, {629, 120}, {1073, -200}, {2701, -100}, {1, 0}}

$\frac{20}{39}$ is a relation number with a list {{39, 40}, {1, 0}}

$\frac{20}{41}$ is a relation number with a list {{41, 40}, {1, 0}}

$\frac{20}{43}$ is a relation number with a list
{{43, 40}, {129, -20}, {387, 40}, {559, 100}, {1763, -200}, {1591, -280},
{3827, -420}, {2021, -200}, {903, -200}, {4171, 840}, {1247, -160},
{1419, 280}, {817, -120}, {989, 100}, {473, 100}, {1161, 20}, {1, 0}}

$\frac{20}{47}$ is a relation number with a list
{{47, 40}, {329, 60}, {1363, -80}, {141, 20}, {1, 0}}

$\frac{20}{49}$ is a relation number with a list {{49, 40}, {441, -20}, {1, 0}}

$\frac{20}{51}$ is a relation number with a list {{51, 60}, {1, 0}}

$\frac{20}{53}$ is a relation number with a list
{{53, 60}, {371, 40}, {583, -80}, {1219, -100}, {1007, 20}, {371, -60},
{583, -100}, {901, -140}, {3233, -100}, {1749, -20}, {477, 20}, {159, 20}, {1, 0}}

$\frac{20}{57}$ is a relation number with a list {{57, 60}, {1, 0}}

$\frac{20}{59}$ is a relation number with a list {{59, 60}, {1, 0}}

$\frac{20}{61}$ is a relation number with a list {{61, 60}, {1, 0}}

$\frac{20}{63}$ is a relation number with a list {{63, 60}, {1, 0}}

$\frac{20}{67}$ is a relation number with a list {{67, 60}, {469, -40}, {737, 40},
{1139, -40}, {1273, -20}, {469, -60}, {737, 60}, {1139, -60}, {1, 0}}

$\frac{20}{69}$ is a relation number with a list {{69, 60}, {1, 0}}

$\frac{20}{71}$ is a relation number with a list {{71, 80}, {639, 80}, {1, 0}}

$\frac{20}{73}$ is a relation number with a list {{73, 80}, {511, 40}, {657, -40},
{1241, 140}, {1387, 40}, {949, -60}, {803, -20}, {219, -20}, {1, 0}}

$\frac{20}{77}$ is a relation number with a list
{{77, 80}, {231, 20}, {693, 80}, {189, -20}, {693, 80}}

$\frac{20}{79}$ is a relation number with a list {{79, 80}, {1, 0}}

$\frac{20}{81}$ is a relation number with a list {{81, 80}, {1, 0}}

$\frac{20}{83}$ is a relation number with a list
{{83, 80}, {249, -20}, {747, -40}, {1079, -60}, {1, 0}}

$\frac{20}{87}$ is a relation number with a list {{87, 80}, {609, -40}, {261, -20}, {1, 0}}

$\frac{20}{89}$ is a relation number with a list {{89, 80}, {801, -80}, {1, 0}}

$\frac{20}{91}$ is a relation number with a list
{{91, 100}, {819, 80}, {1729, 60}, {1001, 40}, {1, 0}}

$\frac{20}{93}$ is a relation number with a list {{93, 100}, {217, -20}, {1, 0}}

$\frac{20}{97}$ is a relation number with a list {{97, 100}, {291, 20}, {873, 40}, {679, 40}, {1, 0}}

$\frac{20}{99}$ is a relation number with a list {{99, 100}, {1, 0}}

$\frac{20}{101}$ is a relation number with a list {{101, 100}, {1, 0}}

$\frac{20}{103}$ is a relation number with a list
{{103, 100}, {309, -20}, {927, -80}, {3399, 320}, {12 463, 920}, {42 951, -3020},
{69 113, -2400}, {50 161, 3700}, {168 817, 12 260}, {290 769, -20 660}, {157 487, 12 620},
{622 841, -30 480}, {1 363 823, 38 400}, {1 913 431, 131 740}, {6 454 907, 217 960},
{8 640 979, -637 700}, {29 542 563, 2 582 480}, {116 934 149, -6 472 480},
{44 239 427, 3 368 600}, {46 105 581, -2 183 260}, {26 483 463, 1 390 700},
{6 196 789, 54 160}, {2 322 547, 166 720}, {1 187 899, -103 320}, {5 292 037, -366 160},
{17 077 091, -1 239 140}, {27 899 507, -2 385 700}, {75 075 979, -2 096 520},
{41 070 323, 621 420}, {5 830 109, -521 160}, {10 026 947, 835 960}, {471 019, -40 020},
{949 763, 64 820}, {2 321 311, 84 640}, {3 711 193, 70 480}, {2 497 441, 14 660},
{539 823, 42 500}, {1 305 731, -67 320}, {2 745 053, -4700}, {26 059, 1660},
{51 603, -640}, {24 411, -440}, {21 733, 1100}, {27 501, -1160}, {34 917, -2560},
{95 069, 5240}, {77 147, 440}, {15 141, 1220}, {51 603, -4600}, {103 309, 7640},
{376 053, 16 300}, {118 759, -4480}, {226 703, 21 240}, {714 511, 32 120},
{810 713, 2540}, {46 659, -1120}, {39 243, 1060}, {2369, 160}, {3193, 260},
{7519, 500}, {1957, -180}, {2369, 140}, {1133, 100}, {3399, -260}, {1957, -180}}

$\frac{20}{107}$ is a relation number with a list
{{107, 100}, {749, 60}, {3103, 40}, {1819, 140}, {1, 0}}

$\frac{20}{109}$ is a relation number with a list
{{109, 100}, {981, -80}, {2289, 100}, {1199, 100}, {1, 0}}

$\frac{20}{111}$ is a relation number with a list {{111, 120}, {1, 0}}

$\frac{20}{113}$ is a relation number with a list {{113, 120}, {791, 20}, {1017, 80},
{2599, 160}, {4407, 140}, {7571, -260}, {3503, -240}, {10 961, -40}, {1, 0}}

$\frac{20}{117}$ is a relation number with a list {{117, 120}, {1, 0}}

$\frac{20}{119}$ is a relation number with a list {{119, 120}, {1, 0}}

$\frac{20}{121}$ is a relation number with a list {{121, 120}, {1, 0}}

$\frac{20}{123}$ is a relation number with a list {{123, 120}, {1, 0}}

$\frac{20}{127}$ is a relation number with a list
{{127, 120}, {889, -20}, {1143, -20}, {381, -20}, {1, 0}}

$\frac{20}{129}$ is a relation number with a list {{129, 120}, {1, 0}}

$\frac{20}{131}$ is a relation number with a list {{131, 140}, {1179, 20}, {1, 0}}

$\frac{20}{133}$ is a relation number with a list {{133, 140}, {1, 0}}

$\frac{20}{137}$ is a relation number with a list
{{137, 140}, {411, 20}, {1233, -40}, {959, 20}, {1, 0}}

$\frac{20}{139}$ is a relation number with a list {{139, 140}, {1, 0}}

$\frac{20}{141}$ is a relation number with a list {{141, 140}, {1, 0}}

$\frac{20}{143}$ is a relation number with a list
{{143, 140}, {429, -20}, {1287, 20}, {1001, 60}, {2717, 160}, {429, -20}}

$\frac{20}{147}$ is a relation number with a list {{147, 140}, {1, 0}}

$\frac{20}{149}$ is a relation number with a list {{149, 140}, {1341, -20}, {1, 0}}

$\frac{20}{151}$ is a relation number with a list {{151, 160}, {1359, -40}, {1, 0}}

$\frac{20}{153}$ is a relation number with a list {{153, 160}, {1071, 20}, {1, 0}}

$\frac{20}{157}$ is a relation number with a list {{157, 160}, {471, 20}, {1413, -80}, {4239, 140},
{6123, 140}, {5809, 220}, {13 973, 720}, {46 001, 1700}, {15 857, 260}, {471, -20}}

$\frac{20}{159}$ is a relation number with a list {{159, 160}, {1, 0}}

$\frac{20}{161}$ is a relation number with a list {{161, 160}, {1, 0}}

$\frac{20}{163}$ is a relation number with a list
{{163, 160}, {489, -20}, {1467, -20}, {1141, -40}, {3097, 60}, {3749, -120}, {4727, 160}, {11 899, 200}, {16 137, 920}, {68 949, 2320}, {106 113, -580}, {4401, 40}, {1, 0}}

$\frac{20}{167}$ is a relation number with a list
{{167, 160}, {1169, -20}, {1503, 80}, {2839, -100}, {6513, -320}, {18 871, 800}, {54 943, -2000}, {157 481, 5480}, {240 313, 5800}, {419 671, 13 660}, {632 763, -7820}, {109 719, 5080}, {340 847, 8860}, {695 889, -20 500}, {185 537, 1620}, {127 421, 4140}, {153 473, 7060}, {308 449, 3060}, {102 037, 2220}, {13 861, -560}, {23 213, -1000}, {35 571, -860}, {51 937, -560}, {23 881, -860}, {33 233, 340}, {14 529, 640}, {31 897, 80}, {3841, -20}, {1, 0}}

$\frac{20}{169}$ is a relation number with a list {{169, 160}, {1521, 40}, {1, 0}}

$\frac{20}{171}$ is a relation number with a list {{171, 180}, {1, 0}}

$\frac{20}{173}$ is a relation number with a list
{{173, 180}, {1211, -60}, {1903, -40}, {2941, 120}, {10 207, 480}, {21 971, -780}, {22 663, 1300}, {97 399, -300}, {17 473, -620}, {19 549, -1040}, {36 503, -1540}, {79 061, 1360}, {31 313, -20}, {1211, -40}, {1903, -100}, {519, -20}, {1, 0}}

$\frac{20}{177}$ is a relation number with a list {{177, 180}, {1, 0}}

$\frac{20}{179}$ is a relation number with a list {{179, 180}, {1, 0}}

$\frac{20}{181}$ is a relation number with a list {{181, 180}, {1, 0}}

$\frac{20}{183}$ is a relation number with a list {{183, 180}, {1, 0}}

$\frac{20}{187}$ is a relation number with a list {{187, 180}, {1309, 60}, {1, 0}}

$\frac{20}{189}$ is a relation number with a list {{189, 180}, {1, 0}}

$\frac{20}{191}$ is a relation number with a list {{191, 200}, {1719, -40}, {1, 0}}

$\frac{20}{193}$ is a relation number with a list
{{193, 200}, {1351, 40}, {1737, 20}, {579, -20}, {1, 0}}

$\frac{20}{197}$ is a relation number with a list
{{197, 200}, {591, 20}, {1773, 20}, {1379, -20}, {1, 0}}

$\frac{20}{199}$ is a relation number with a list {{199, 200}, {1, 0}}

known cases

known cases

known cases

$\frac{21}{8}$ is a relation number with a list {{8, 21}, {104, 105}, {1, 0}}

$\frac{21}{10}$ is a relation number with a list {{10, 21}, {110, 21}, {1, 0}}

$\frac{21}{11}$ is a relation number with a list
{{11, 21}, {110, -21}, {55, -21}, {88, 63}, {275, 168}, {671, -567}, {1144, 315},
{1276, -1029}, {2717, -945}, {1298, 483}, {1661, 1029}, {4367, -2982}, {15 235, -3717},
{4037, -2352}, {7337, -2142}, {10 021, -4431}, {12 749, -63}, {253, -210},
{473, 399}, {814, -273}, {55, -42}, {143, 84}, {275, 126}, {253, -63}, {1, 0}}

$\frac{21}{13}$ is a relation number with a list {{13, 21}, {104, 63}, {286, 105}, {377, -147},
{832, 567}, {3445, 1806}, {2171, 1071}, {377, -84}, {533, -231}, {923, -21}, {1, 0}}

$\frac{21}{16}$ is a relation number with a list {{16, 21}, {80, -21}, {1, 0}}

$\frac{21}{17}$ is a relation number with a list {{17, 21}, {68, -21}, {85, -42}, {1, 0}}

$\frac{21}{19}$ is a relation number with a list
{{19, 21}, {38, 21}, {76, 21}, {152, -63}, {494, -105}, {589, 42}, {1, 0}}

$\frac{21}{20}$ is a relation number with a list {{20, 21}, {1, 0}}

$\frac{21}{22}$ is a relation number with a list {{22, 21}, {1, 0}}

$\frac{21}{23}$ is a relation number with a list
{{23, 21}, {46, 21}, {92, -21}, {184, 21}, {115, 42}, {253, -42}, {1, 0}}

$\frac{21}{25}$ is a relation number with a list {{25, 21}, {100, 21}, {1, 0}}

$\frac{21}{26}$ is a relation number with a list {{26, 21}, {130, 21}, {52, 21}, {65, -21}, {1, 0}}

$\frac{21}{29}$ is a relation number with a list {{29, 21}, {232, -63}, {580, 147}, {232, -63}}

$\frac{21}{31}$ is a relation number with a list
{{31, 21}, {310, 21}, {155, -21}, {248, 21}, {124, 21}, {62, 21}, {1, 0}}

$\frac{21}{32}$ is a relation number with a list {{32, 42}, {80, -21}, {1, 0}}

$\frac{21}{34}$ is a relation number with a list {{34, 42}, {68, 21}, {170, -21}, {1, 0}}

$\frac{21}{37}$ is a relation number with a list {{37, 42}, {185, 21}, {148, -21}, {1, 0}}

$\frac{21}{38}$ is a relation number with a list {{38, 42}, {1, 0}}

$\frac{21}{40}$ is a relation number with a list {{40, 42}, {1, 0}}

$\frac{21}{41}$ is a relation number with a list {{41, 42}, {1, 0}}

$\frac{21}{43}$ is a relation number with a list {{43, 42}, {1, 0}}

$\frac{21}{44}$ is a relation number with a list {{44, 42}, {1, 0}}

$\frac{21}{46}$ is a relation number with a list {{46, 42}, {1, 0}}

$\frac{21}{47}$ is a relation number with a list {{47, 42}, {235, -21}, {188, 21}, {1, 0}}

$\frac{21}{50}$ is a relation number with a list {{50, 42}, {100, 21}, {1, 0}}

$\frac{21}{52}$ is a relation number with a list {{52, 42}, {130, 21}, {1, 0}}

$\frac{21}{53}$ is a relation number with a list
{{53, 63}, {530, 21}, {265, -42}, {689, -42}, {901, -84}, {1219, 105},
{2173, -399}, {9434, 1281}, {24 751, -756}, {10 441, -1302}, {1325, -231},
{3233, -567}, {8957, 1659}, {35 086, 4515}, {54 802, -441}, {6254, -1071},
{9116, -1029}, {7685, -273}, {2173, 168}, {583, 105}, {2491, 357}, {424, 63},
{901, -126}, {1007, 105}, {2279, -147}, {3869, 126}, {1961, 315}, {3763, 294},
{3127, 525}, {1219, 189}, {4505, -693}, {18 338, 399}, {848, 21}, {424, -63}}

$\frac{21}{55}$ is a relation number with a list {{55, 63}, {440, 63}, {1, 0}}

$\frac{21}{58}$ is a relation number with a list {{58, 63}, {290, 21}, {116, 21}, {290, 21}}

$\frac{21}{59}$ is a relation number with a list {{59, 63}, {236, -21}, {295, 21}, {1, 0}}

$\frac{21}{61}$ is a relation number with a list {{61, 63}, {122, 21}, {244, -21},
{488, -63}, {976, 147}, {3233, -63}, {1220, -63}, {1403, 21}, {244, -21}}

$\frac{21}{62}$ is a relation number with a list {{62, 63}, {1, 0}}

$\frac{21}{64}$ is a relation number with a list {{64, 63}, {1, 0}}

$\frac{21}{65}$ is a relation number with a list {{65, 63}, {130, 21}, {260, 21}, {520, 21}, {1, 0}}

$\frac{21}{67}$ is a relation number with a list {{67, 63}, {268, 21}, {335, -42}, {1, 0}}

$\frac{21}{68}$ is a relation number with a list {{68, 63}, {340, -21}, {1, 0}}

$\frac{21}{71}$ is a relation number with a list {{71, 63}, {568, -63}, {1, 0}}

$\frac{21}{73}$ is a relation number with a list
{{73, 63}, {730, -21}, {365, -42}, {949, 63}, {292, -21}, {146, 21}, {1, 0}}

$\frac{21}{74}$ is a relation number with a list {{74, 84}, {185, 21}, {148, 21}, {1, 0}}

$\frac{21}{76}$ is a relation number with a list {{76, 84}, {1, 0}}

$\frac{21}{79}$ is a relation number with a list {{79, 84}, {395, -21}, {316, -21}, {1, 0}}

$\frac{21}{80}$ is a relation number with a list {{80, 84}, {1, 0}}

$\frac{21}{82}$ is a relation number with a list {{82, 84}, {1, 0}}

$\frac{21}{83}$ is a relation number with a list {{83, 84}, {1, 0}}

$\frac{21}{85}$ is a relation number with a list {{85, 84}, {1, 0}}

$\frac{21}{86}$ is a relation number with a list {{86, 84}, {1, 0}}

$\frac{21}{88}$ is a relation number with a list {{88, 84}, {1, 0}}

$\frac{21}{89}$ is a relation number with a list {{89, 84}, {445, 21}, {356, 21}, {1, 0}}

$\frac{21}{92}$ is a relation number with a list {{92, 84}, {1, 0}}

$\frac{21}{94}$ is a relation number with a list {{94, 84}, {235, -21}, {188, 21}, {1, 0}}

$\frac{21}{95}$ is a relation number with a list {{95, 105}, {190, 21}, {1, 0}}

$\frac{21}{97}$ is a relation number with a list
{{97, 105}, {776, 63}, {1940, -189}, {4850, -483}, {1940, 189}}

$\frac{21}{100}$ is a relation number with a list {{100, 105}, {1, 0}}

$\frac{21}{101}$ is a relation number with a list {{101, 105}, {404, -21}, {505, -21}, {1, 0}}

$\frac{21}{103}$ is a relation number with a list
{{103, 105}, {206, 21}, {412, 21}, {824, 21}, {515, -42}, {1133, 63}, {1, 0}}

$\frac{21}{104}$ is a relation number with a list {{104, 105}, {1, 0}}

$\frac{21}{106}$ is a relation number with a list {{106, 105}, {1, 0}}

$\frac{21}{107}$ is a relation number with a list
{{107, 105}, {214, 21}, {428, -21}, {856, -63}, {2782, 189}, {5671, -189}, {1, 0}}

$\frac{21}{109}$ is a relation number with a list {{109, 105}, {436, 21}, {545, 21}, {1, 0}}

$\frac{21}{110}$ is a relation number with a list {{110, 105}, {1, 0}}

$\frac{21}{113}$ is a relation number with a list
{{113, 105}, {904, -63}, {2486, -189}, {3277, -42}, {1, 0}}

$\frac{21}{115}$ is a relation number with a list {{115, 105}, {230, 21}, {1, 0}}

$\frac{21}{116}$ is a relation number with a list {{116, 126}, {290, 21}, {1, 0}}

$\frac{21}{118}$ is a relation number with a list {{118, 126}, {236, 21}, {295, -21}, {1, 0}}

$\frac{21}{121}$ is a relation number with a list {{121, 126}, {605, -21}, {484, 21}, {1, 0}}

$\frac{21}{122}$ is a relation number with a list {{122, 126}, {1, 0}}

$\frac{21}{124}$ is a relation number with a list {{124, 126}, {1, 0}}

$\frac{21}{125}$ is a relation number with a list {{125, 126}, {1, 0}}

$\frac{21}{127}$ is a relation number with a list {{127, 126}, {1, 0}}

$\frac{21}{128}$ is a relation number with a list {{128, 126}, {1, 0}}

$\frac{21}{130}$ is a relation number with a list {{130, 126}, {1, 0}}

$\frac{21}{131}$ is a relation number with a list {{131, 126}, {655, 21}, {524, -21}, {1, 0}}

$\frac{21}{134}$ is a relation number with a list {{134, 126}, {268, 21}, {670, 21}, {1, 0}}

$\frac{21}{136}$ is a relation number with a list {{136, 126}, {340, -21}, {1, 0}}

$\frac{21}{137}$ is a relation number with a list
{{137, 147}, {1370, 21}, {685, 42}, {1781, 21}, {548, -21}, {274, 21}, {1, 0}}

$\frac{21}{139}$ is a relation number with a list {{139, 147}, {1112, 63}, {3058, 21}, {1112, -63}}

$\frac{21}{142}$ is a relation number with a list {{142, 147}, {710, 21}, {284, 21}, {710, -21}}

$\frac{21}{143}$ is a relation number with a list {{143, 147}, {572, -21}, {715, 42}, {1, 0}}

$\frac{21}{145}$ is a relation number with a list
{{145, 147}, {290, 21}, {580, -21}, {1160, 21}, {1, 0}}

$\frac{21}{146}$ is a relation number with a list {{146, 147}, {1, 0}}

$\frac{21}{148}$ is a relation number with a list {{148, 147}, {1, 0}}

$\frac{21}{149}$ is a relation number with a list
{{149, 147}, {298, 21}, {596, 21}, {1192, -63}, {745, 42}, {1639, -21}, {1, 0}}

$\frac{21}{151}$ is a relation number with a list {{151, 147}, {604, 21}, {755, -21}, {1, 0}}

$\frac{21}{152}$ is a relation number with a list {{152, 147}, {760, -21}, {1, 0}}

$\frac{21}{155}$ is a relation number with a list
{{155, 147}, {1240, -63}, {620, 21}, {310, 21}, {1, 0}}

$\frac{21}{157}$ is a relation number with a list
{{157, 147}, {1570, -21}, {785, 42}, {2041, -42}, {2669, 168}, {2983, -42}, {1, 0}}

$\frac{21}{158}$ is a relation number with a list {{158, 168}, {395, -21}, {316, 21}, {1, 0}}

$\frac{21}{160}$ is a relation number with a list {{160, 168}, {1, 0}}

$\frac{21}{163}$ is a relation number with a list {{163, 168}, {815, 21}, {652, 21}, {1, 0}}

$\frac{21}{164}$ is a relation number with a list {{164, 168}, {1, 0}}

$\frac{21}{166}$ is a relation number with a list {{166, 168}, {1, 0}}

$\frac{21}{167}$ is a relation number with a list {{167, 168}, {1, 0}}

$\frac{21}{169}$ is a relation number with a list {{169, 168}, {1, 0}}

$\frac{21}{170}$ is a relation number with a list {{170, 168}, {1, 0}}

$\frac{21}{172}$ is a relation number with a list {{172, 168}, {1, 0}}

$\frac{21}{173}$ is a relation number with a list {{173, 168}, {865, -21}, {692, -21}, {1, 0}}

$\frac{21}{176}$ is a relation number with a list {{176, 168}, {1, 0}}

$\frac{21}{178}$ is a relation number with a list {{178, 168}, {445, 21}, {356, 21}, {1, 0}}

$\frac{21}{179}$ is a relation number with a list {{179, 189}, {1790, -21},
{895, 21}, {1432, -63}, {3043, -147}, {7876, 441}, {11 098, 483}, {1969, -63},
{2864, 147}, {12 709, -525}, {19 511, -126}, {3401, -189}, {1, 0}}

$\frac{21}{181}$ is a relation number with a list {{181, 189}, {1448, 63}, {1, 0}}

$\frac{21}{184}$ is a relation number with a list {{184, 189}, {920, -21}, {1, 0}}

$\frac{21}{185}$ is a relation number with a list {{185, 189}, {740, -21}, {1, 0}}

$\frac{21}{187}$ is a relation number with a list {{187, 189}, {374, 21},
{748, 21}, {1496, -63}, {2992, 21}, {1870, -63}, {3740, 21}, {374, 21}}

$\frac{21}{188}$ is a relation number with a list {{188, 189}, {1, 0}}

$\frac{21}{190}$ is a relation number with a list {{190, 189}, {1, 0}}

$\frac{21}{191}$ is a relation number with a list
{{191, 189}, {382, 21}, {764, -21}, {1528, 21}, {955, -21}, {1910, -21}, {1, 0}}

$\frac{21}{193}$ is a relation number with a list {{193, 189}, {772, 21}, {965, 42}, {1, 0}}

$\frac{21}{194}$ is a relation number with a list
{{194, 189}, {970, 21}, {388, 21}, {485, 21}, {1, 0}}

$\frac{21}{197}$ is a relation number with a list {{197, 189}, {1576, -63}, {1, 0}}

$\frac{21}{199}$ is a relation number with a list
{{199, 189}, {1990, 21}, {995, 21}, {1592, -21}, {796, -21}, {398, 21}, {1, 0}}

$\frac{21}{200}$ is a relation number with a list {{200, 210}, {1, 0}}

$\frac{21}{202}$ is a relation number with a list {{202, 210}, {404, 21}, {505, 21}, {1, 0}}

$\frac{21}{205}$ is a relation number with a list {{205, 210}, {1, 0}}

$\frac{21}{206}$ is a relation number with a list {{206, 210}, {1, 0}}

$\frac{21}{208}$ is a relation number with a list {{208, 210}, {1, 0}}

$\frac{21}{209}$ is a relation number with a list {{209, 210}, {1, 0}}

known cases

known cases

$\frac{22}{7}$ is a relation number with a list
{{7, 22}, {105, 176}, {497, 330}, {1141, 1276}, {945, -22}, {1, 0}}

$\frac{22}{9}$ is a relation number with a list
{{9, 22}, {117, 88}, {261, 154}, {423, -352}, {639, -44}, {63, -22}, {1, 0}}

$\frac{22}{13}$ is a relation number with a list
{{13, 22}, {117, -88}, {377, 132}, {247, -44}, {221, -176}, {585, -308},
{403, -88}, {481, 330}, {1963, 968}, {351, 110}, {273, 44}, {117, -22}, {91, 22},
{39, 22}, {65, 44}, {273, 110}, {689, 264}, {1339, 1100}, {3107, -1474},
{2067, -1672}, {5135, 4334}, {10 413, 3476}, {195, 22}, {39, -22}}

$\frac{22}{15}$ is a relation number with a list {{15, 22}, {105, -22}, {1, 0}}

$\frac{22}{17}$ is a relation number with a list
{{17, 22}, {85, -44}, {51, 22}, {119, 66}, {221, 22}, {1, 0}}

$\frac{22}{19}$ is a relation number with a list
{{19, 22}, {57, -22}, {171, 22}, {95, 22}, {133, -44}, {1, 0}}

$\frac{22}{21}$ is a relation number with a list {{21, 22}, {1, 0}}

$\frac{22}{23}$ is a relation number with a list {{23, 22}, {1, 0}}

$\frac{22}{25}$ is a relation number with a list {{25, 22}, {75, 22}, {225, -44}, {1, 0}}

$\frac{22}{27}$ is a relation number with a list {{27, 22}, {135, 44}, {1, 0}}

$\frac{22}{29}$ is a relation number with a list
{{29, 22}, {203, 22}, {145, -22}, {261, 44}, {87, -22}, {1, 0}}

$\frac{22}{31}$ is a relation number with a list
{{31, 22}, {279, 88}, {465, 88}, {775, -22}, {155, -22}, {1, 0}}

$\frac{22}{35}$ is a relation number with a list {{35, 44}, {315, 44}, {1, 0}}

$\frac{22}{37}$ is a relation number with a list
{{37, 44}, {259, 66}, {185, -22}, {333, -22}, {111, -22}, {1, 0}}

$\frac{22}{39}$ is a relation number with a list
{{39, 44}, {195, 44}, {741, 44}, {273, -22}, {117, -22}, {91, 22}, {1, 0}}

$\frac{22}{41}$ is a relation number with a list
{{41, 44}, {123, -22}, {369, -88}, {697, 132}, {1517, -286}, {3567, -242}, {2583, 220},
{2337, -242}, {3403, 792}, {9635, 1452}, {21 689, -1342}, {8897, 2266}, {6847, -1056},
{20 951, 1672}, {32 185, 528}, {943, 110}, {1927, -374}, {2337, -286}, {2009, 132},
{1189, 308}, {1763, -330}, {4633, -1100}, {9553, 1034}, {10 127, -1078}, {17 425, 2552},
{17 999, 1606}, {13 653, -88}, {533, 110}, {697, -22}, {287, -22}, {1, 0}}

$\frac{22}{43}$ is a relation number with a list {{43, 44}, {1, 0}}

$\frac{22}{45}$ is a relation number with a list {{45, 44}, {1, 0}}

$\frac{22}{47}$ is a relation number with a list {{47, 44}, {141, 22},
{423, 44}, {799, 176}, {3807, 638}, {987, 44}, {893, -22}, {423, 44}}

$\frac{22}{49}$ is a relation number with a list {{49, 44}, {245, -44}, {931, 66}, {1, 0}}

$\frac{22}{51}$ is a relation number with a list {{51, 44}, {119, -22}, {153, 22}, {1, 0}}

$\frac{22}{53}$ is a relation number with a list
{{53, 44}, {477, -44}, {371, 22}, {159, 22}, {265, -44}, {1, 0}}

$\frac{22}{57}$ is a relation number with a list {{57, 66}, {1, 0}}

$\frac{22}{59}$ is a relation number with a list
{{59, 66}, {413, -44}, {1003, 22}, {531, 88}, {177, -22}, {1, 0}}

$\frac{22}{61}$ is a relation number with a list
{{61, 66}, {305, 44}, {183, 22}, {427, -44}, {793, 110}, {1403, 132}, {2989, -506},
{2867, -154}, {3599, 308}, {5917, 418}, {3965, -242}, {5673, -440},
{2867, -44}, {427, -66}, {1891, 66}, {1403, 22}, {305, -22}, {183, 22}}

$\frac{22}{63}$ is a relation number with a list {{63, 66}, {1, 0}}

$\frac{22}{65}$ is a relation number with a list {{65, 66}, {1, 0}}

$\frac{22}{67}$ is a relation number with a list {{67, 66}, {1, 0}}

$\frac{22}{69}$ is a relation number with a list {{69, 66}, {1, 0}}

$\frac{22}{71}$ is a relation number with a list
{{71, 66}, {355, -44}, {213, -22}, {497, 22}, {639, 22}, {1, 0}}

$\frac{22}{73}$ is a relation number with a list
{{73, 66}, {511, 44}, {1241, 154}, {657, -44}, {219, -22}, {1, 0}}

$\frac{22}{75}$ is a relation number with a list {{75, 66}, {1, 0}}

$\frac{22}{79}$ is a relation number with a list
{{79, 88}, {711, -22}, {553, -44}, {1501, 132}, {3871, -352}, {1, 0}}

$\frac{22}{81}$ is a relation number with a list {{81, 88}, {567, -44}, {405, 44}, {1, 0}}

$\frac{22}{83}$ is a relation number with a list

{{83, 88}, {415, -44}, {1577, 110}, {3071, 176}, {6557, 704}, {18 343, 88}, {3237, -418}, {8881, -616}, {21 331, -242}, {2905, -66}, {1, 0}}

$\frac{22}{85}$ is a relation number with a list

{{85, 88}, {255, -22}, {765, 88}, {2295, 242}, {9945, -22}, {1, 0}}

$\frac{22}{87}$ is a relation number with a list {{87, 88}, {1, 0}}

$\frac{22}{89}$ is a relation number with a list {{89, 88}, {1, 0}}

$\frac{22}{91}$ is a relation number with a list {{91, 88}, {273, 22}, {819, 22}, {455, 22}, {1, 0}}

$\frac{22}{93}$ is a relation number with a list

{{93, 88}, {465, 44}, {1767, 88}, {651, 22}, {279, -22}, {651, 44}, {279, 22}}

$\frac{22}{95}$ is a relation number with a list {{95, 88}, {665, 44}, {1, 0}}

$\frac{22}{97}$ is a relation number with a list

{{97, 88}, {873, 22}, {679, 22}, {291, -22}, {485, -44}, {1, 0}}

$\frac{22}{101}$ is a relation number with a list

{{101, 110}, {909, -22}, {707, -66}, {1919, -22}, {505, -22}, {1, 0}}

$\frac{22}{103}$ is a relation number with a list

{{103, 110}, {721, 66}, {515, 22}, {927, 88}, {4223, -44}, {1, 0}}

$\frac{22}{105}$ is a relation number with a list {{105, 110}, {1, 0}}

$\frac{22}{107}$ is a relation number with a list

{{107, 110}, {321, -22}, {963, -22}, {535, 44}, {749, -66}, {2461, 22}, {321, 22}}

$\frac{22}{109}$ is a relation number with a list {{109, 110}, {1, 0}}

$\frac{22}{111}$ is a relation number with a list {{111, 110}, {1, 0}}

$\frac{22}{113}$ is a relation number with a list

{{113, 110}, {339, 22}, {1017, -88}, {4407, -352}, {19 097, -1122}, {2599, 220}, {4633, 396}, {13 447, -242}, {11 865, -374}, {11 639, -792}, {27 233, -638}, {22 713, 1342}, {11 413, -550}, {15 481, -1144}, {60 455, -198}, {7345, 506}, {27 685, 2112}, {25 877, 1870}, {34 239, 2002}, {23 165, 726}, {7571, 506}, {2147, 88}, {3955, -66}, {565, -22}, {791, 22}, {1, 0}}

$\frac{22}{115}$ is a relation number with a list {{115, 110}, {1, 0}}

$\frac{22}{117}$ is a relation number with a list {{117, 110}, {273, -22}, {1, 0}}

$\frac{22}{119}$ is a relation number with a list {{119, 110}, {1071, 22}, {1, 0}}

$\frac{22}{123}$ is a relation number with a list {{123, 132}, {1, 0}}

$\frac{22}{125}$ is a relation number with a list {{125, 132}, {875, -22}, {1, 0}}

$\frac{22}{127}$ is a relation number with a list
{{127, 132}, {635, -44}, {2413, -154}, {6477, 484}, {23 495, 418},
{11 049, -506}, {10 541, 352}, {2413, 22}, {889, -22}, {1143, -22}, {1, 0}}

$\frac{22}{129}$ is a relation number with a list {{129, 132}, {1, 0}}

$\frac{22}{131}$ is a relation number with a list {{131, 132}, {1, 0}}

$\frac{22}{133}$ is a relation number with a list {{133, 132}, {1, 0}}

$\frac{22}{135}$ is a relation number with a list {{135, 132}, {1, 0}}

$\frac{22}{137}$ is a relation number with a list
{{137, 132}, {685, 44}, {2603, -176}, {5069, -308}, {19 317, 1232},
{54 115, -3674}, {136 315, -132}, {5617, 44}, {2055, -88}, {4247, 220},
{9179, 660}, {8357, -506}, {33 565, -748}, {13 015, 66}, {1781, -110},
{2877, 176}, {8357, -44}, {411, 22}, {959, 66}, {4247, -176}, {3151, 176},
{2329, -176}, {5617, 242}, {6987, -506}, {13 289, 1034}, {20 961, -286},
{11 371, -836}, {45 621, -2684}, {959, -44}, {1233, 88}, {1, 0}}

$\frac{22}{139}$ is a relation number with a list
{{139, 132}, {973, 22}, {695, -22}, {1251, 88}, {2641, 110}, {1, 0}}

$\frac{22}{141}$ is a relation number with a list {{141, 132}, {1, 0}}

$\frac{22}{145}$ is a relation number with a list {{145, 154}, {1305, 44}, {435, -22}, {1, 0}}

$\frac{22}{147}$ is a relation number with a list {{147, 154}, {1, 0}}

$\frac{22}{149}$ is a relation number with a list
{{149, 154}, {745, 44}, {447, -22}, {1043, -44}, {1937, -22}, {1, 0}}

$\frac{22}{151}$ is a relation number with a list
{{151, 154}, {453, -22}, {1359, -44}, {755, 44}, {1057, 22}, {1, 0}}

$\frac{22}{153}$ is a relation number with a list {{153, 154}, {1, 0}}

$\frac{22}{155}$ is a relation number with a list {{155, 154}, {1, 0}}

$\frac{22}{157}$ is a relation number with a list
{{157, 154}, {471, 22}, {1413, 88}, {785, -44}, {1099, -22}, {1, 0}}

$\frac{22}{159}$ is a relation number with a list {{159, 154}, {795, -44}, {1, 0}}

$\frac{22}{161}$ is a relation number with a list {{161, 154}, {1, 0}}

$\frac{22}{163}$ is a relation number with a list
{{163, 154}, {1467, -44}, {2445, 88}, {3097, -132}, {9943, -44}, {1, 0}}

$\frac{22}{167}$ is a relation number with a list
{{167, 176}, {1503, -88}, {1169, -66}, {3173, 154}, {10 187, -220},
{11 189, 110}, {5177, 44}, {2505, -88}, {6847, -264}, {2839, -44},
{3507, -44}, {2171, -88}, {4843, 22}, {501, -22}, {835, 44}, {1, 0}}

$\frac{22}{169}$ is a relation number with a list
{{169, 176}, {1183, -22}, {845, -22}, {1521, 44}, {3211, 88}, {7267, -264},
{21 125, 616}, {2353, 44}, {3549, 44}, {2535, 154}, {11 999, -528},
{24 505, -88}, {6929, -440}, {18 759, 1100}, {767, 22}, {507, -22}, {1, 0}}

$\frac{22}{171}$ is a relation number with a list {{171, 176}, {855, 44}, {1, 0}}

$\frac{22}{173}$ is a relation number with a list
{{173, 176}, {519, -22}, {1557, 44}, {2941, 132}, {6401, 44}, {3633, 220},
{18 511, -396}, {17 473, -374}, {18 165, 22}, {1211, 44}, {3633, -220}}

$\frac{22}{175}$ is a relation number with a list {{175, 176}, {1, 0}}

$\frac{22}{177}$ is a relation number with a list {{177, 176}, {1, 0}}

$\frac{22}{179}$ is a relation number with a list
{{179, 176}, {537, 22}, {1611, -22}, {895, 22}, {1253, 66}, {1, 0}}

$\frac{22}{181}$ is a relation number with a list
{{181, 176}, {905, -44}, {3439, 22}, {1267, -22}, {1629, 22}, {1, 0}}

$\frac{22}{183}$ is a relation number with a list
{{183, 176}, {1281, 22}, {915, -44}, {549, -22}, {1, 0}}

$\frac{22}{185}$ is a relation number with a list
{{185, 176}, {1665, 88}, {1295, 44}, {3515, 198}, {9065, 22}, {1, 0}}

$\frac{22}{189}$ is a relation number with a list {{189, 198}, {1, 0}}

$\frac{22}{191}$ is a relation number with a list
{{191, 198}, {1337, 66}, {3247, -110}, {10 123, 22}, {573, -22}, {1, 0}}

$\frac{22}{193}$ is a relation number with a list
{{193, 198}, {965, -44}, {579, -22}, {1351, 66}, {5983, -220},
{8299, 110}, {9457, -330}, {21 809, -946}, {9843, 308}, {2509, 44}, {1, 0}}

$\frac{22}{195}$ is a relation number with a list {{195, 198}, {1, 0}}

$\frac{22}{197}$ is a relation number with a list {{197, 198}, {1, 0}}

$\frac{22}{199}$ is a relation number with a list {{199, 198}, {1, 0}}

$\frac{22}{201}$ is a relation number with a list {{201, 198}, {1, 0}}

$\frac{22}{203}$ is a relation number with a list {{203, 198}, {1015, 44}, {609, 22}, {1, 0}}

$\frac{22}{205}$ is a relation number with a list {{205, 198}, {1435, -66},
{3485, 66}, {2665, -88}, {1025, 22}, {1845, 44}, {615, 22}, {1, 0}}

$\frac{22}{207}$ is a relation number with a list {{207, 198}, {1, 0}}

$\frac{22}{211}$ is a relation number with a list
{{211, 220}, {1899, -88}, {7807, -154}, {9917, 440}, {42 833, 946}, {55 493, 2882},
{155 085, -6358}, {526 023, -25 234}, {821 001, 17 050}, {548 811, -7436}, {306 583, 2662},
{95 583, 3586}, {261 429, 6578}, {356 801, -11 484}, {168 167, -3432}, {1, 0}}

$\frac{22}{213}$ is a relation number with a list
{{213, 220}, {1491, -44}, {1065, 22}, {639, -22}, {1, 0}}

$\frac{22}{215}$ is a relation number with a list {{215, 220}, {1, 0}}

$\frac{22}{217}$ is a relation number with a list
{{217, 220}, {651, -22}, {1953, 22}, {1085, -44}, {3255, -22}, {1, 0}}

$\frac{22}{219}$ is a relation number with a list {{219, 220}, {1, 0}}

known cases

known cases

known cases

known cases

$\frac{23}{6}$ is a relation number with a list

{{6, 23}, {102, 253}, {906, 1955}, {6294, 12 397}, {36 618, 65 987}, {176 214, 279 565}, {620 106, 699 683}, {238 731, -268 778}, {90 141, 115 253}, {75 336, -56 971}, {110 190, 80 569}, {177 726, -197 869}, {40 286, -67 551}, {163 590, -221 789}, {349 194, -7843}, {7482, -12 995}, {33 078, -48 829}, {94 506, -69 299}, {151 242, 163 967}, {25 450, -35 259}, {58 854, -14 053}, {3963, -5888}, {11 550, -8947}, {15 618, 6187}, {5886, 10 189}, {25 818, 37 835}, {72 102, 49 381}, {136 326, -226 297}, {539 826, -711 551}, {1 030 350, 319 631}, {47 638, 30 475}, {39 936, 61 663}, {130 362, 129 743}, {3714, -4577}, {5178, 7613}, {14 610, 10 327}, {25 698, -36 547}, {65 094, -30 245}, {13 812, 15 157}, {2690, 621}, {309, -253}, {168, -115}, {318, 529}, {1266, 1679}, {2478, -575}, {267, 161}, {330, 299}, {62, -115}, {318, -529}}

$\frac{23}{7}$ is a relation number with a list

{{7, 23}, {112, 207}, {665, 736}, {497, -253}, {63, -92}, {203, -23}, {28, -23}, {35, -46}, {77, 69}, {56, -69}, {91, -115}, {168, 253}, {595, 184}, {301, 299}, {14, 23}, {63, 46}, {119, -69}, {133, 46}, {35, 23}, {77, 92}, {105, 46}, {91, 23}, {1, 0}}

$\frac{23}{8}$ is a relation number with a list

{{8, 23}, {120, 161}, {328, -345}, {136, 23}, {1, 0}}

$\frac{23}{9}$ is a relation number with a list

{{9, 23}, {126, 115}, {99, 23}, {63, 46}, {153, 23}, {72, -23}, {1, 0}}

$\frac{23}{10}$ is a relation number with a list

{{10, 23}, {130, 69}, {40, 23}, {30, 23}, {70, 69}, {1, 0}}

$\frac{23}{11}$ is a relation number with a list {{11, 23}, {132, 23}, {66, 23}, {33, 23}, {110, 23}, {55, -23}, {99, -46}, {77, -23}, {88, -69}, {209, 115}, {231, 184}, {517, -138}, {385, -92}, {187, 161}, {286, -23}, {110, -23}}

$\frac{23}{12}$ is a relation number with a list {{12, 23}, {132, -23}, {1, 0}}

$\frac{23}{13}$ is a relation number with a list {{13, 23}, {130, -69}, {104, -23}, {143, 46}, {65, 23}, {52, -23}, {78, -23}, {117, -92}, {325, -46}, {39, 23}, {91, 23}, {1, 0}}

$\frac{23}{14}$ is a relation number with a list

{{14, 23}, {63, 46}, {119, -69}, {133, 46}, {35, 23}, {154, -69}, {112, 69}, {182, 115}, {336, -253}, {581, 138}, {406, -69}, {56, 23}, {35, 23}}

$\frac{23}{15}$ is a relation number with a list {{15, 23}, {120, 23}, {1, 0}}

$\frac{23}{16}$ is a relation number with a list {{16, 23}, {56, -23}, {40, 23}, {48, 23}, {1, 0}}

$\frac{23}{17}$ is a relation number with a list {{17, 23}, {102, 23}, {170, -69}, {544, 299}, {918, -115}, {34, 23}, {187, -115}, {731, -23}, {85, 46}, {119, 23}, {68, 23}, {1, 0}}

$\frac{23}{18}$ is a relation number with a list {{18, 23}, {45, 23}, {1, 0}}

$\frac{23}{19}$ is a relation number with a list {{19, 23}, {76, 23}, {133, -46}, {95, -46},
{57, 23}, {209, -69}, {38, 23}, {152, -69}, {266, -23}, {190, -23}, {114, -23}, {1, 0}}

$\frac{23}{20}$ is a relation number with a list {{20, 23}, {60, 23}, {90, -23}, {1, 0}}

$\frac{23}{21}$ is a relation number with a list
{{21, 23}, {42, 23}, {84, -23}, {56, -23}, {210, -23}, {1, 0}}

$\frac{23}{22}$ is a relation number with a list {{22, 23}, {1, 0}}

$\frac{23}{24}$ is a relation number with a list {{24, 23}, {1, 0}}

$\frac{23}{25}$ is a relation number with a list {{25, 23}, {50, 23}, {100, 23}, {200, 23},
{175, 69}, {800, -253}, {1025, 276}, {1975, 368}, {675, -23}, {200, -23}}

$\frac{23}{26}$ is a relation number with a list {{26, 23}, {78, -23}, {234, 23}, {52, 23}, {78, 23}}

$\frac{23}{27}$ is a relation number with a list
{{27, 23}, {108, -23}, {189, -23}, {135, -46}, {1, 0}}

$\frac{23}{28}$ is a relation number with a list {{28, 23}, {70, -23}, {1, 0}}

$\frac{23}{29}$ is a relation number with a list
{{29, 23}, {174, -23}, {290, -23}, {261, 46}, {435, 46}, {609, -115},
{986, -207}, {1421, 368}, {1479, -115}, {464, 23}, {116, 23}, {1, 0}}

$\frac{23}{30}$ is a relation number with a list {{30, 23}, {105, 23}, {1, 0}}

$\frac{23}{31}$ is a relation number with a list
{{31, 23}, {248, -23}, {155, 23}, {186, -23}, {62, 23}, {217, -69},
{310, -69}, {1054, 207}, {589, -138}, {1147, -23}, {93, 23}, {1, 0}}

$\frac{23}{32}$ is a relation number with a list {{32, 23}, {72, -23}, {96, 23}, {1, 0}}

$\frac{23}{33}$ is a relation number with a list
{{33, 23}, {110, 23}, {165, 46}, {209, -69}, {66, 23}, {1, 0}}

$\frac{23}{34}$ is a relation number with a list
{{34, 23}, {374, 23}, {102, -23}, {85, -23}, {238, -23}, {136, -23}, {1, 0}}

$\frac{23}{35}$ is a relation number with a list
{{35, 46}, {385, -92}, {595, -92}, {1505, -253}, {91, -23}, {1, 0}}

$\frac{23}{36}$ is a relation number with a list {{36, 46}, {180, -23}, {1, 0}}

$\frac{23}{37}$ is a relation number with a list
{{37, 46}, {333, -46}, {407, 69}, {259, 23}, {222, 23}, {296, 69}, {740, -207},
{3256, -437}, {7289, 1955}, {19 647, 943}, {5772, 989}, {5994, 667}, {333, -46}}

$\frac{23}{38}$ is a relation number with a list
{{38, 46}, {76, 23}, {266, 69}, {95, -23}, {114, 23}, {1, 0}}

$\frac{23}{39}$ is a relation number with a list {{39, 46}, {273, -23}, {1, 0}}

$\frac{23}{40}$ is a relation number with a list {{40, 46}, {120, -23}, {1, 0}}

$\frac{23}{41}$ is a relation number with a list {{41, 46}, {205, -46}, {861, 46},
{533, -92}, {779, -161}, {1066, 23}, {328, 23}, {246, -23}, {287, -23},
{451, 69}, {1312, 115}, {1927, 391}, {1148, 69}, {1025, 46}, {533, 92}}

$\frac{23}{42}$ is a relation number with a list {{42, 46}, {1, 0}}

$\frac{23}{43}$ is a relation number with a list
{{43, 46}, {129, 23}, {387, 46}, {817, -207}, {473, 46}, {559, -115},
{688, 161}, {1892, -161}, {1720, -437}, {1204, 115}, {2322, -23}, {1, 0}}

$\frac{23}{44}$ is a relation number with a list {{44, 46}, {1, 0}}

$\frac{23}{45}$ is a relation number with a list {{45, 46}, {1, 0}}

$\frac{23}{47}$ is a relation number with a list {{47, 46}, {1, 0}}

$\frac{23}{48}$ is a relation number with a list {{48, 46}, {1, 0}}

$\frac{23}{49}$ is a relation number with a list
{{49, 46}, {147, -23}, {441, -92}, {931, 138}, {245, -46}, {105, 23}, {490, 23}, {1, 0}}

$\frac{23}{50}$ is a relation number with a list {{50, 46}, {1, 0}}

$\frac{23}{51}$ is a relation number with a list {{51, 46}, {255, 46}, {357, 23},
{561, 92}, {153, -23}, {136, 23}, {102, 23}, {510, 23}, {204, -23}, {1, 0}}

$\frac{23}{52}$ is a relation number with a list {{52, 46}, {156, 23}, {130, -23},
{104, 23}, {572, 69}, {260, -23}, {364, -69}, {247, -23}, {156, -23}}

$\frac{23}{53}$ is a relation number with a list
{{53, 46}, {371, 23}, {159, -23}, {106, 23}, {477, 23}, {318, 23},
{212, -23}, {265, 46}, {583, 92}, {1643, -115}, {1749, -23}, {1, 0}}

$\frac{23}{54}$ is a relation number with a list {{54, 46}, {108, 23}, {189, 23}, {270, -23}, {1, 0}}

$\frac{23}{55}$ is a relation number with a list {{55, 46}, {495, 46}, {1, 0}}

$\frac{23}{56}$ is a relation number with a list {{56, 46}, {280, 23}, {1, 0}}

$\frac{23}{57}$ is a relation number with a list {{57, 46}, {627, 92}, {969, -161}, {1, 0}}

$\frac{23}{58}$ is a relation number with a list
{{58, 69}, {319, 23}, {174, -23}, {290, -23}, {261, 46}, {435, 46},
{609, -115}, {493, 92}, {1914, 23}, {145, -23}, {203, -23}, {116, 23}, {1, 0}}

$\frac{23}{59}$ is a relation number with a list
{{59, 69}, {590, 69}, {1829, 207}, {2006, 299}, {5133, 368}, {1121, 138},
{1003, -69}, {1888, -345}, {9617, -1610}, {2537, 46}, {413, -23}, {1, 0}}

$\frac{23}{60}$ is a relation number with a list {{60, 69}, {1, 0}}

$\frac{23}{61}$ is a relation number with a list
{{61, 69}, {488, 23}, {305, 23}, {366, 23}, {122, 23}, {427, -46},
{793, -115}, {732, 115}, {2562, 253}, {1952, -23}, {183, 23}, {1, 0}}

$\frac{23}{62}$ is a relation number with a list {{62, 69}, {434, 69}, {620, 69}, {1, 0}}

$\frac{23}{63}$ is a relation number with a list {{63, 69}, {126, 23}, {231, -23}, {1, 0}}

$\frac{23}{64}$ is a relation number with a list {{64, 69}, {160, -23}, {1, 0}}

$\frac{23}{65}$ is a relation number with a list {{65, 69}, {260, 23}, {455, 46}, {1, 0}}

$\frac{23}{66}$ is a relation number with a list {{66, 69}, {1, 0}}

$\frac{23}{67}$ is a relation number with a list
{{67, 69}, {134, 23}, {268, 23}, {536, -69}, {1072, -161}, {3685, -598},
{6499, 92}, {2211, -92}, {201, -23}, {402, 23}, {737, 23}, {1, 0}}

$\frac{23}{68}$ is a relation number with a list {{68, 69}, {1, 0}}

$\frac{23}{70}$ is a relation number with a list {{70, 69}, {1, 0}}

$\frac{23}{71}$ is a relation number with a list
{{71, 69}, {142, 23}, {284, -23}, {568, 23}, {497, -23}, {639, -23}, {355, 23},
{710, 23}, {213, 23}, {426, -23}, {781, 115}, {1704, 115}, {1491, 46},
{1349, 207}, {7100, -897}, {5396, 759}, {5893, 437}, {15 052, 1771},
{62 764, 3749}, {68 799, 1265}, {34 719, -161}, {4047, -368}, {1, 0}}

$\frac{23}{72}$ is a relation number with a list {{72, 69}, {1, 0}}

$\frac{23}{73}$ is a relation number with a list
{{73, 69}, {292, -23}, {511, 69}, {2044, -115}, {1898, 23}, {803, 92},
{1825, 184}, {1095, 23}, {657, -23}, {730, 69}, {2117, 299}, {1752, -253},
{1387, 115}, {511, 23}, {365, -46}, {219, -23}, {803, -92}}

$\frac{23}{74}$ is a relation number with a list {{74, 69}, {185, 23}, {1, 0}}

$\frac{23}{75}$ is a relation number with a list {{75, 69}, {150, 23}, {825, 46}, {1, 0}}

$\frac{23}{76}$ is a relation number with a list
{{76, 69}, {532, -69}, {190, 23}, {228, -23}, {1, 0}}

$\frac{23}{77}$ is a relation number with a list
{{77, 69}, {616, -23}, {385, 46}, {1309, 23}, {154, 23}, {1, 0}}

$\frac{23}{78}$ is a relation number with a list {{78, 69}, {1, 0}}

$\frac{23}{79}$ is a relation number with a list
{{79, 69}, {790, -69}, {2449, 253}, {6399, 506}, {14 141, 1196}, {16 669, -2277},
{57 670, 4807}, {1106, -115}, {3476, -23}, {237, -23}, {553, -46}, {1, 0}}

$\frac{23}{80}$ is a relation number with a list {{80, 69}, {440, -23}, {240, 23}, {1, 0}}

$\frac{23}{81}$ is a relation number with a list {{81, 92}, {891, -115}, {2349, -23}, {1, 0}}

$\frac{23}{82}$ is a relation number with a list
{{82, 92}, {410, 23}, {164, 23}, {246, 23}, {287, 23}, {902, 115}, {369, 23}, {1, 0}}

$\frac{23}{83}$ is a relation number with a list
{{83, 92}, {747, 23}, {913, -115}, {581, 46}, {1411, 92}, {2573, -207},
{7387, -805}, {11 786, -1495}, {14 442, 23}, {166, 23}, {415, -46}, {1, 0}}

$\frac{23}{84}$ is a relation number with a list {{84, 92}, {1, 0}}

$\frac{23}{85}$ is a relation number with a list {{85, 92}, {595, 69}, {442, 23}, {1, 0}}

$\frac{23}{86}$ is a relation number with a list
{{86, 92}, {258, -23}, {430, -23}, {301, 23}, {1, 0}}

$\frac{23}{87}$ is a relation number with a list {{87, 92}, {435, 46}, {609, 46},
{957, -46}, {261, 23}, {696, -23}, {174, 23}, {290, 23}, {261, 23}}

$\frac{23}{88}$ is a relation number with a list {{88, 92}, {1, 0}}

$\frac{23}{89}$ is a relation number with a list
{{89, 92}, {267, 23}, {801, 23}, {356, -23}, {979, -23}, {890, -23},
{623, -46}, {1869, 230}, {2581, -207}, {8633, -575}, {712, -23}, {1, 0}}

$\frac{23}{90}$ is a relation number with a list {{90, 92}, {1, 0}}

$\frac{23}{91}$ is a relation number with a list {{91, 92}, {1, 0}}

$\frac{23}{93}$ is a relation number with a list {{93, 92}, {1, 0}}

$\frac{23}{94}$ is a relation number with a list {{94, 92}, {1, 0}}

$\frac{23}{95}$ is a relation number with a list
{{95, 92}, {285, -23}, {855, 92}, {2565, 46}, {1045, -69}, {190, 23}, {570, -23}, {1, 0}}

$\frac{23}{96}$ is a relation number with a list {{96, 92}, {1, 0}}

$\frac{23}{97}$ is a relation number with a list
{{97, 92}, {485, -46}, {2037, 115}, {3201, 230}, {1843, -23}, {291, -23},
{776, 23}, {582, -23}, {679, 23}, {1067, 46}, {873, -92}, {4365, 391},
{6208, -345}, {194, 23}, {970, -69}, {388, 23}, {291, -23}}

$\frac{23}{98}$ is a relation number with a list {{98, 92}, {294, 23}, {245, 23}, {392, -23}, {1, 0}}

$\frac{23}{99}$ is a relation number with a list {{99, 92}, {231, -23}, {1, 0}}

$\frac{23}{100}$ is a relation number with a list {{100, 92}, {1, 0}}

$\frac{23}{101}$ is a relation number with a list
{{101, 92}, {909, -23}, {1111, 46}, {707, -23}, {606, -23}, {808, 69},
{2020, -69}, {1919, 23}, {1010, 23}, {202, 23}, {505, -23}, {1, 0}}

$\frac{23}{102}$ is a relation number with a list {{102, 92}, {510, -23}, {204, 23}, {1, 0}}

$\frac{23}{103}$ is a relation number with a list
{{103, 92}, {1133, 115}, {1751, -115}, {2678, 115}, {3399, -299}, {11 330, -437},
{3296, 115}, {4017, -184}, {3193, -299}, {9888, -115}, {206, 23}, {1, 0}}

$\frac{23}{104}$ is a relation number with a list
{{104, 115}, {1144, -69}, {3016, -161}, {4472, -69}, {1, 0}}

$\frac{23}{105}$ is a relation number with a list {{105, 115}, {210, 23}, {1, 0}}

$\frac{23}{106}$ is a relation number with a list
{{106, 115}, {954, 23}, {583, -46}, {795, 23}, {265, 23}, {583, 46}}

$\frac{23}{107}$ is a relation number with a list

{{107, 115}, {856, 23}, {535, 46}, {1819, 161}, {5136, -437}, {11 556, -437}, {20 758, -2139}, {67 624, -3703}, {103 790, 5359}, {210 683, -15 318}, {403 283, -8027}, {206 831, -14 168}, {608 723, -54 188}, {1 354 085, 23 184}, {1 007 191, 99 199}, {1 626 507, 125 603}, {677 524, -41 009}, {2 100 303, -126 707}, {5 747 612, -32 499}, {504 077, 10 097}, {82 711, 4140}, {9523, -828}, {44 191, 3105}, {77 147, 575}, {10 379, -943}, {642, -23}, {214, 23}, {749, 46}, {1391, 138}, {1177, 92}, {2033, 207}, {3959, -23}, {321, 23}, {1, 0}}

$\frac{23}{108}$ is a relation number with a list {{108, 115}, {756, -23}, {1, 0}}

$\frac{23}{109}$ is a relation number with a list

{{109, 115}, {654, 23}, {1090, -23}, {981, -23}, {872, -69}, {2725, 46}, {1199, -46}, {327, 23}, {545, -23}, {763, -69}, {436, 23}, {1, 0}}

$\frac{23}{110}$ is a relation number with a list {{110, 115}, {1, 0}}

$\frac{23}{111}$ is a relation number with a list

{{111, 115}, {444, 23}, {777, -23}, {555, 23}, {1, 0}}

$\frac{23}{112}$ is a relation number with a list {{112, 115}, {336, 23}, {252, -23}, {1, 0}}

$\frac{23}{113}$ is a relation number with a list

{{113, 115}, {226, 23}, {452, -23}, {904, 23}, {791, 23}, {1017, -92}, {565, -46}, {1469, -115}, {2938, -161}, {4520, 207}, {3842, 69}, {2486, -207}, {226, 23}}

$\frac{23}{114}$ is a relation number with a list {{114, 115}, {1, 0}}

$\frac{23}{116}$ is a relation number with a list {{116, 115}, {1, 0}}

$\frac{23}{117}$ is a relation number with a list

{{117, 115}, {234, 23}, {468, 23}, {312, -23}, {390, -23}, {1, 0}}

$\frac{23}{118}$ is a relation number with a list

{{118, 115}, {354, -23}, {1062, -23}, {236, 23}, {354, -23}}

$\frac{23}{119}$ is a relation number with a list {{119, 115}, {476, -23}, {1, 0}}

$\frac{23}{120}$ is a relation number with a list {{120, 115}, {1, 0}}

$\frac{23}{121}$ is a relation number with a list

{{121, 115}, {726, -23}, {1210, 23}, {1089, -92}, {1815, 92}, {3025, -207}, {9680, -713}, {36 542, 2921}, {15 741, 782}, {12 221, -621}, {24 079, 1909}, {89 298, 6647}, {349 327, 7475}, {241 758, 14 605}, {789 767, 34 247}, {252 406, 17 779}, {423 500, -22 241}, {111 441, -920}, {1, 0}}

$\frac{23}{122}$ is a relation number with a list {{122, 115}, {854, 23}, {366, -23}, {1, 0}}

$\frac{23}{123}$ is a relation number with a list {{123, 115}, {984, -23}, {615, -46},
{2091, -184}, {2747, 161}, {1230, 23}, {1353, 46}, {2337, -23}, {369, -23}, {1, 0}}

$\frac{23}{124}$ is a relation number with a list
{{124, 115}, {1116, -23}, {1364, 69}, {496, -23}, {310, 23}, {1364, 69}}

$\frac{23}{125}$ is a relation number with a list
{{125, 115}, {250, 23}, {375, 23}, {875, -23}, {1, 0}}

$\frac{23}{126}$ is a relation number with a list {{126, 115}, {462, 23}, {1, 0}}

$\frac{23}{127}$ is a relation number with a list
{{127, 138}, {1397, -69}, {2159, -161}, {8382, -713}, {22 098, -1495}, {41 529, 1840},
{100 457, 2829}, {176 149, -8372}, {42 799, -1357}, {79 375, -161}, {254, 23}, {1, 0}}

$\frac{23}{128}$ is a relation number with a list {{128, 138}, {640, 23}, {1, 0}}

$\frac{23}{129}$ is a relation number with a list {{129, 138}, {1, 0}}

$\frac{23}{130}$ is a relation number with a list {{130, 138}, {260, 23}, {910, -69}, {1, 0}}

$\frac{23}{131}$ is a relation number with a list
{{131, 138}, {917, -46}, {393, 23}, {262, 23}, {1179, -92}, {2227, -69}, {2489, 138},
{655, 23}, {1441, -23}, {1048, 69}, {1703, 69}, {2882, 69}, {2096, 161}, {393, -23}}

$\frac{23}{132}$ is a relation number with a list {{132, 138}, {1, 0}}

$\frac{23}{133}$ is a relation number with a list
{{133, 138}, {665, 46}, {399, -23}, {1064, 69}, {551, -23}, {1, 0}}

$\frac{23}{134}$ is a relation number with a list {{134, 138}, {1, 0}}

$\frac{23}{135}$ is a relation number with a list {{135, 138}, {1, 0}}

$\frac{23}{136}$ is a relation number with a list {{136, 138}, {1, 0}}

$\frac{23}{137}$ is a relation number with a list {{137, 138}, {1, 0}}

$\frac{23}{139}$ is a relation number with a list {{139, 138}, {1, 0}}

$\frac{23}{140}$ is a relation number with a list {{140, 138}, {1, 0}}

$\frac{23}{141}$ is a relation number with a list {{141, 138}, {1, 0}}

$\frac{23}{142}$ is a relation number with a list {{142, 138}, {1, 0}}

$\frac{23}{143}$ is a relation number with a list {{143, 138}, {715, -46}, {3003, -184},
{8437, -529}, {3861, -115}, {7007, -460}, {15 301, 667}, {440, 23},
{429, -23}, {1144, -23}, {858, -23}, {1001, -69}, {374, -23}, {858, 23}}

$\frac{23}{144}$ is a relation number with a list {{144, 138}, {1, 0}}

$\frac{23}{145}$ is a relation number with a list {{145, 138}, {1015, 46},
{435, -23}, {290, 23}, {1305, -23}, {870, 23}, {580, -23}, {1, 0}}

$\frac{23}{146}$ is a relation number with a list
{{146, 138}, {292, 23}, {1022, 23}, {365, -23}, {438, -23}, {1, 0}}

$\frac{23}{147}$ is a relation number with a list {{147, 138}, {1, 0}}

$\frac{23}{148}$ is a relation number with a list {{148, 138}, {740, -23}, {1, 0}}

$\frac{23}{149}$ is a relation number with a list
{{149, 138}, {1639, 69}, {2533, -115}, {447, -23}, {1490, 23}, {745, 23},
{1341, -92}, {5811, 253}, {1192, 23}, {596, -23}, {298, 23}, {1, 0}}

$\frac{23}{150}$ is a relation number with a list {{150, 161}, {330, -23}, {600, 23}, {1, 0}}

$\frac{23}{151}$ is a relation number with a list
{{151, 161}, {1510, 69}, {1208, 69}, {5134, -253}, {11 174, -759}, {31 861, -1863},
{28 690, -1633}, {106 304, 3703}, {163 533, -11 155}, {572 592, 27 301}, {110 079, 2231},
{114 760, 4761}, {74 896, 207}, {5738, 207}, {8758, -575}, {20 083, -1173},
{21 442, -759}, {28 690, -989}, {1359, -92}, {3171, -115}, {7399, 460}, {5889, 391},
{3624, -23}, {1510, 23}, {1208, 23}, {1661, 69}, {755, -46}, {2869, 46},
{2567, -92}, {1359, 23}, {302, 23}, {453, 23}, {1057, 69}, {3322, -207}, {1510, 23}}

$\frac{23}{152}$ is a relation number with a list {{152, 161}, {684, -23}, {456, 23}, {1, 0}}

$\frac{23}{153}$ is a relation number with a list {{153, 161}, {1224, 23}, {765, -46}, {1, 0}}

$\frac{23}{154}$ is a relation number with a list {{154, 161}, {1, 0}}

$\frac{23}{155}$ is a relation number with a list
{{155, 161}, {930, 23}, {310, 23}, {1705, 23}, {465, -23}, {1, 0}}

$\frac{23}{156}$ is a relation number with a list {{156, 161}, {390, -23}, {1, 0}}

$\frac{23}{157}$ is a relation number with a list
{{157, 161}, {628, 23}, {1099, 69}, {785, -23}, {471, -23}, {1727, -69},
{314, 23}, {1256, 69}, {2198, -115}, {2041, -115}, {4553, 46}, {1, 0}}

$\frac{23}{158}$ is a relation number with a list

{{158, 161}, {474, 23}, {711, 46}, {3318, 23}, {474, 23}}

$\frac{23}{159}$ is a relation number with a list

{{159, 161}, {318, 23}, {636, 23}, {1272, 23}, {1113, -46}, {477, -23}, {318, 23}}

$\frac{23}{160}$ is a relation number with a list {{160, 161}, {1, 0}}

$\frac{23}{162}$ is a relation number with a list {{162, 161}, {1, 0}}

$\frac{23}{163}$ is a relation number with a list

{{163, 161}, {326, 23}, {652, -23}, {1304, -69}, {1141, -23}, {1467, 23},
{815, 46}, {2119, -23}, {489, -23}, {978, -23}, {1793, -46}, {1, 0}}

$\frac{23}{164}$ is a relation number with a list {{164, 161}, {492, -23}, {738, -23}, {1, 0}}

$\frac{23}{165}$ is a relation number with a list

{{165, 161}, {660, -23}, {385, -23}, {330, 23}, {440, -23}, {1, 0}}

$\frac{23}{166}$ is a relation number with a list {{166, 161}, {415, 23}, {1, 0}}

$\frac{23}{167}$ is a relation number with a list

{{167, 161}, {1002, -23}, {1670, -69}, {2338, 69}, {1336, 69}, {4175, 23}, {1837, -46},
{501, 23}, {835, -46}, {1169, 46}, {3173, -184}, {7515, 322}, {18 203, 1127},
{28 557, -575}, {32 231, -1633}, {71 643, -3565}, {57 281, -3680}, {267 033, -10 649},
{134 936, 5681}, {235 136, -9591}, {774 713, 1242}, {49 265, 2921}, {65 464, -943},
{66 299, -2254}, {155 811, 9844}, {282 731, -8510}, {317 467, 21 689}, {1 313 956, -2783},
{63 460, -1541}, {46 593, -667}, {16 199, -161}, {10 354, -207}, {668, 23}, {1, 0}}

$\frac{23}{168}$ is a relation number with a list {{168, 161}, {1, 0}}

$\frac{23}{169}$ is a relation number with a list

{{169, 161}, {1352, -23}, {845, -23}, {1014, 23}, {338, 23}, {1183, -23}, {1690, 23},
{1859, 92}, {3211, -184}, {14 027, -552}, {38 363, 690}, {46 813, -1932},
{75 205, 1012}, {53 573, 3335}, {35 997, 230}, {19 097, 115}, {1183, -46}, {1, 0}}

$\frac{23}{170}$ is a relation number with a list

{{170, 161}, {765, 23}, {510, 23}, {340, 23}, {1, 0}}

$\frac{23}{171}$ is a relation number with a list

{{171, 161}, {570, -23}, {855, 23}, {684, -23}, {342, 23}, {1, 0}}

$\frac{23}{172}$ is a relation number with a list

{{172, 161}, {1892, 115}, {1118, -69}, {1204, 23}, {344, 23}, {1, 0}}

$\frac{23}{173}$ is a relation number with a list
{{173, 184}, {1903, 46}, {2941, 138}, {7439, 138}, {2249, 46}, {865, -23},
{1557, 46}, {1211, -69}, {5363, -184}, {4671, -161}, {346, 23}, {1, 0}}

$\frac{23}{174}$ is a relation number with a list {{174, 184}, {870, -23}, {348, 23}, {1, 0}}

$\frac{23}{175}$ is a relation number with a list {{175, 184}, {1575, 92}, {1925, -92}, {1, 0}}

$\frac{23}{176}$ is a relation number with a list {{176, 184}, {1, 0}}

$\frac{23}{177}$ is a relation number with a list {{177, 184}, {1239, -46}, {1, 0}}

$\frac{23}{178}$ is a relation number with a list
{{178, 184}, {534, -23}, {445, 23}, {712, 23}, {1, 0}}

$\frac{23}{179}$ is a relation number with a list {{179, 184}, {895, -46}, {3759, -23},
{1790, 23}, {716, 23}, {537, -23}, {1432, -69}, {3043, -161}, {2864, 115},
{1969, -92}, {6623, -299}, {8055, 299}, {3222, -115}, {358, 23}, {1790, 23}}

$\frac{23}{180}$ is a relation number with a list {{180, 184}, {1, 0}}

$\frac{23}{181}$ is a relation number with a list
{{181, 184}, {543, 23}, {1629, -23}, {724, 23}, {1991, 115}, {6516, 115},
{7059, -184}, {12 127, 598}, {30 227, 690}, {24 073, 529}, {47 241, 299}, {1, 0}}

$\frac{23}{182}$ is a relation number with a list {{182, 184}, {1, 0}}

$\frac{23}{183}$ is a relation number with a list {{183, 184}, {1, 0}}

$\frac{23}{185}$ is a relation number with a list {{185, 184}, {1, 0}}

$\frac{23}{186}$ is a relation number with a list {{186, 184}, {1, 0}}

$\frac{23}{187}$ is a relation number with a list
{{187, 184}, {561, -23}, {1683, 46}, {3553, 138}, {6545, -46}, {2431, 69},
{2992, 23}, {374, 23}, {1122, 23}, {935, -46}, {2805, 23}, {1, 0}}

$\frac{23}{188}$ is a relation number with a list {{188, 184}, {1, 0}}

$\frac{23}{189}$ is a relation number with a list {{189, 184}, {945, 46}, {1, 0}}

$\frac{23}{190}$ is a relation number with a list {{190, 184}, {570, 23}, {1, 0}}

$\frac{23}{191}$ is a relation number with a list
{{191, 184}, {1337, 46}, {573, 23}, {382, 23}, {1719, -46}, {3247, -184},
{12 415, -736}, {18 527, 23}, {2101, -92}, {2865, -23}, {1910, 23}, {1, 0}}

$\frac{23}{192}$ is a relation number with a list {{192, 184}, {1, 0}}

$\frac{23}{193}$ is a relation number with a list
{{193, 184}, {1737, -92}, {2123, 46}, {1351, 23}, {1158, -23}, {1544, -23},
{579, -23}, {772, -23}, {1930, 69}, {386, 23}, {965, 46}, {1, 0}}

$\frac{23}{194}$ is a relation number with a list {{194, 184}, {970, 23},
{388, 23}, {582, 23}, {679, -23}, {1067, -46}, {1746, -23}, {1, 0}}

$\frac{23}{195}$ is a relation number with a list {{195, 184}, {2145, -46}, {3315, -23}, {1, 0}}

$\frac{23}{196}$ is a relation number with a list {{196, 207}, {539, -23}, {490, 23}, {1, 0}}

$\frac{23}{197}$ is a relation number with a list
{{197, 207}, {1970, -69}, {6107, 46}, {2167, 46}, {985, -23}, {788, 23},
{1182, -23}, {1773, 23}, {394, 23}, {591, -23}, {1379, 23}, {1, 0}}

$\frac{23}{198}$ is a relation number with a list {{198, 207}, {1, 0}}

$\frac{23}{199}$ is a relation number with a list
{{199, 207}, {1592, 23}, {995, -23}, {1194, -23}, {398, 23}, {1393, 69},
{2587, -23}, {2189, -23}, {796, 23}, {1791, -23}, {597, 23}, {1, 0}}

$\frac{23}{200}$ is a relation number with a list {{200, 207}, {1400, -23}, {600, -23}, {1, 0}}

$\frac{23}{201}$ is a relation number with a list {{201, 207}, {402, 23}, {737, 23}, {1, 0}}

$\frac{23}{202}$ is a relation number with a list {{202, 207}, {505, 23}, {1, 0}}

$\frac{23}{203}$ is a relation number with a list {{203, 207}, {812, 23}, {1, 0}}

$\frac{23}{204}$ is a relation number with a list {{204, 207}, {1, 0}}

$\frac{23}{205}$ is a relation number with a list
{{205, 207}, {410, 23}, {820, -23}, {1640, -69}, {3280, 161}, {2460, -23}, {1, 0}}

$\frac{23}{206}$ is a relation number with a list {{206, 207}, {1, 0}}

$\frac{23}{208}$ is a relation number with a list {{208, 207}, {1, 0}}

$\frac{23}{209}$ is a relation number with a list {{209, 207}, {418, 23}, {836, 23}, {1672, 23},
{1463, 23}, {1881, -46}, {1045, -46}, {2717, 46}, {627, 23}, {1254, -23}, {1, 0}}

$\frac{23}{210}$ is a relation number with a list {{210, 207}, {1, 0}}

$\frac{23}{211}$ is a relation number with a list
{{211, 207}, {844, -23}, {1477, 23}, {1055, 23}, {633, -23}, {2321, 46},
{4431, 46}, {3165, 46}, {1899, 23}, {2110, -23}, {1266, 23}, {1, 0}}

$\frac{23}{212}$ is a relation number with a list {{212, 207}, {530, -23}, {1, 0}}

$\frac{23}{213}$ is a relation number with a list {{213, 207}, {426, 23}, {2343, -92}, {9159, 184},
{2911, 138}, {2769, 92}, {639, -23}, {1065, -46}, {1491, 23}, {852, -23}, {1, 0}}

$\frac{23}{214}$ is a relation number with a list {{214, 207}, {1498, 23}, {642, 23}, {1, 0}}

$\frac{23}{215}$ is a relation number with a list {{215, 207}, {1720, -23}, {1, 0}}

$\frac{23}{216}$ is a relation number with a list {{216, 207}, {1, 0}}

$\frac{23}{217}$ is a relation number with a list {{217, 207}, {2170, 69}, {1, 0}}

$\frac{23}{218}$ is a relation number with a list
{{218, 207}, {1199, 46}, {654, 23}, {1090, -23}, {981, -23}, {872, 23}, {1, 0}}

$\frac{23}{219}$ is a relation number with a list {{219, 230}, {2409, -23}, {438, 23}, {1, 0}}

$\frac{23}{220}$ is a relation number with a list {{220, 230}, {1, 0}}

$\frac{23}{221}$ is a relation number with a list {{221, 230}, {1989, 92}, {7735, -207},
{1292, -23}, {884, -23}, {2210, -23}, {442, 23}, {1105, 23}, {1, 0}}

$\frac{23}{222}$ is a relation number with a list
{{222, 230}, {444, 23}, {777, -23}, {555, 23}, {1, 0}}

$\frac{23}{223}$ is a relation number with a list
{{223, 230}, {1561, 69}, {5798, 161}, {446, 23}, {2007, -46}, {3791, 92},
{4237, -23}, {1115, 46}, {2453, -115}, {8474, -299}, {22 746, -989}, {1, 0}}

$\frac{23}{224}$ is a relation number with a list {{224, 230}, {672, -23}, {1120, 23}, {1, 0}}

$\frac{23}{225}$ is a relation number with a list {{225, 230}, {1, 0}}

$\frac{23}{226}$ is a relation number with a list {{226, 230}, {1, 0}}

$\frac{23}{227}$ is a relation number with a list
{{227, 230}, {681, 23}, {2043, -46}, {4313, 46}, {2497, -69}, {2951, -115}, {8853, 92}, {4767, 115}, {11 804, -207}, {1135, 46}, {3405, -92}, {1, 0}}

$\frac{23}{228}$ is a relation number with a list {{228, 230}, {1, 0}}

$\frac{23}{229}$ is a relation number with a list {{229, 230}, {1, 0}}

known cases

$\frac{24}{7}$ is a relation number with a list {{7, 24}, {119, 240}, {847, 1224}, {2639, 480}, {1673, -2376}, {4921, -240}, {17, -24}, {1, 0}}

$\frac{24}{11}$ is a relation number with a list {{11, 24}, {143, 48}, {1, 0}}

$\frac{24}{13}$ is a relation number with a list {{13, 24}, {143, -48}, {1, 0}}

$\frac{24}{17}$ is a relation number with a list {{17, 24}, {119, -72}, {425, 24}, {119, -72}}

$\frac{24}{19}$ is a relation number with a list {{19, 24}, {95, 24}, {1, 0}}

$\frac{24}{23}$ is a relation number with a list {{23, 24}, {1, 0}}

$\frac{24}{25}$ is a relation number with a list {{25, 24}, {1, 0}}

$\frac{24}{29}$ is a relation number with a list {{29, 24}, {145, -24}, {1, 0}}

$\frac{24}{31}$ is a relation number with a list {{31, 24}, {217, 72}, {1, 0}}

$\frac{24}{35}$ is a relation number with a list {{35, 24}, {385, 48}, {1, 0}}

$\frac{24}{37}$ is a relation number with a list
{{37, 48}, {407, 72}, {925, -264}, {4847, 336}, {5291, -1296}, {3959, 840}, {8917, -2160}, {10 249, -144}, {925, 72}, {407, -24}, {1, 0}}

$\frac{24}{41}$ is a relation number with a list {{41, 48}, {287, 48}, {1, 0}}

$\frac{24}{43}$ is a relation number with a list {{43, 48}, {215, -24}, {1, 0}}

$\frac{24}{47}$ is a relation number with a list {{47, 48}, {1, 0}}

$\frac{24}{49}$ is a relation number with a list {{49, 48}, {1, 0}}

$\frac{24}{53}$ is a relation number with a list {{53, 48}, {265, 24}, {1, 0}}

$\frac{24}{55}$ is a relation number with a list {{55, 48}, {385, -48}, {1, 0}}

$\frac{24}{59}$ is a relation number with a list {{59, 48}, {649, -72}, {1, 0}}

$\frac{24}{61}$ is a relation number with a list {{61, 72}, {671, 96}, {1, 0}}

$\frac{24}{65}$ is a relation number with a list {{65, 72}, {455, 24}, {1, 0}}

$\frac{24}{67}$ is a relation number with a list {{67, 72}, {335, -24}, {1, 0}}

$\frac{24}{71}$ is a relation number with a list {{71, 72}, {1, 0}}

$\frac{24}{73}$ is a relation number with a list {{73, 72}, {1, 0}}

$\frac{24}{77}$ is a relation number with a list {{77, 72}, {385, 24}, {1, 0}}

$\frac{24}{79}$ is a relation number with a list {{79, 72}, {553, -24}, {1, 0}}

$\frac{24}{83}$ is a relation number with a list {{83, 72}, {913, -96}, {3901, 72},
{1079, 48}, {1909, 120}, {913, 72}, {1909, 96}, {913, -48}, {1, 0}}

$\frac{24}{85}$ is a relation number with a list {{85, 96}, {935, 24}, {1, 0}}

$\frac{24}{89}$ is a relation number with a list {{89, 96}, {623, 24}, {1, 0}}

$\frac{24}{91}$ is a relation number with a list {{91, 96}, {455, 24}, {1, 0}}

$\frac{24}{95}$ is a relation number with a list {{95, 96}, {1, 0}}

$\frac{24}{97}$ is a relation number with a list {{97, 96}, {1, 0}}

$\frac{24}{101}$ is a relation number with a list {{101, 96}, {505, -24}, {1, 0}}

$\frac{24}{103}$ is a relation number with a list {{103, 96}, {721, -24}, {1, 0}}

$\frac{24}{107}$ is a relation number with a list {{107, 96}, {1177, -24}, {1, 0}}

$\frac{24}{109}$ is a relation number with a list {{109, 120}, {1199, 120}, {1, 0}}

$\frac{24}{113}$ is a relation number with a list
{{113, 120}, {791, 48}, {2599, -96}, {791, 72}, {1, 0}}

$\frac{24}{115}$ is a relation number with a list {{115, 120}, {1, 0}}

$\frac{24}{119}$ is a relation number with a list {{119, 120}, {1, 0}}

$\frac{24}{121}$ is a relation number with a list {{121, 120}, {1, 0}}

$\frac{24}{125}$ is a relation number with a list {{125, 120}, {1, 0}}

$\frac{24}{127}$ is a relation number with a list
{{127, 120}, {889, -48}, {2921, 24}, {889, -24}, {1, 0}}

$\frac{24}{131}$ is a relation number with a list {{131, 120}, {1441, -120}, {1, 0}}

$\frac{24}{133}$ is a relation number with a list
{{133, 144}, {1463, 120}, {3059, -48}, {1729, 144}, {1, 0}}

$\frac{24}{137}$ is a relation number with a list
{{137, 144}, {959, -72}, {3151, 72}, {2329, -72}, {3425, -264}, {959, 48}, {1, 0}}

$\frac{24}{139}$ is a relation number with a list {{139, 144}, {695, 24}, {1, 0}}

$\frac{24}{143}$ is a relation number with a list {{143, 144}, {1, 0}}

$\frac{24}{145}$ is a relation number with a list {{145, 144}, {1, 0}}

$\frac{24}{149}$ is a relation number with a list {{149, 144}, {745, -24}, {1, 0}}

$\frac{24}{151}$ is a relation number with a list
{{151, 144}, {1057, 72}, {3473, 168}, {8305, -288}, {7097, -504}, {6191, -336},
{21 593, 744}, {2567, 144}, {3775, -144}, {4681, -168}, {3473, -24}, {1057, -72}}

$\frac{24}{155}$ is a relation number with a list {{155, 144}, {341, -24}, {1, 0}}

$\frac{24}{157}$ is a relation number with a list {{157, 168}, {1727, 24}, {1, 0}}

$\frac{24}{161}$ is a relation number with a list {{161, 168}, {1, 0}}

$\frac{24}{163}$ is a relation number with a list {{163, 168}, {815, -24}, {1, 0}}

$\frac{24}{167}$ is a relation number with a list {{167, 168}, {1, 0}}

$\frac{24}{169}$ is a relation number with a list {{169, 168}, {1, 0}}

$\frac{24}{173}$ is a relation number with a list {{173, 168}, {865, 24}, {1, 0}}

$\frac{24}{175}$ is a relation number with a list {{175, 168}, {1, 0}}

$\frac{24}{179}$ is a relation number with a list {{179, 168}, {1969, -24}, {1, 0}}

$\frac{24}{181}$ is a relation number with a list
{{181, 192}, {1991, 96}, {4525, 24}, {1991, -120}, {8869, 552},
{6697, -432}, {38 915, 792}, {19 367, -456}, {38 915, 24}, {1991, 120}}

$\frac{24}{185}$ is a relation number with a list {{185, 192}, {1295, -72}, {1, 0}}

$\frac{24}{187}$ is a relation number with a list {{187, 192}, {935, -24}, {1, 0}}

$\frac{24}{191}$ is a relation number with a list {{191, 192}, {1, 0}}

$\frac{24}{193}$ is a relation number with a list {{193, 192}, {1, 0}}

$\frac{24}{197}$ is a relation number with a list {{197, 192}, {985, 24}, {1, 0}}

$\frac{24}{199}$ is a relation number with a list
{{199, 192}, {1393, 72}, {4975, -72}, {1393, -48}, {1, 0}}

$\frac{24}{203}$ is a relation number with a list
{{203, 192}, {2233, -96}, {5075, -288}, {22 127, 912}, {48 517, 1584},
{119 161, 2472}, {102 515, 4896}, {8729, 432}, {18 067, 120}, {10 759, -192}, {1, 0}}

$\frac{24}{205}$ is a relation number with a list
{{205, 216}, {2255, 72}, {4715, -144}, {7585, 216}, {1025, -24}, {1435, 48}, {1, 0}}

$\frac{24}{209}$ is a relation number with a list
{{209, 216}, {1463, 48}, {4807, 96}, {1463, 72}, {4807, 144}, {1045, -24}, {1, 0}}

$\frac{24}{211}$ is a relation number with a list {{211, 216}, {1055, 24}, {1, 0}}

$\frac{24}{215}$ is a relation number with a list {{215, 216}, {1, 0}}

$\frac{24}{217}$ is a relation number with a list {{217, 216}, {1, 0}}

$\frac{24}{221}$ is a relation number with a list {{221, 216}, {1105, -24}, {1, 0}}

$\frac{24}{223}$ is a relation number with a list
{{223, 216}, {1561, -48}, {5129, 216}, {12 265, -648}, {10 481, 120}, {9143, 192},
{16 279, -768}, {33 673, -936}, {5129, 72}, {3791, 144}, {10 481, 528},
{17 617, -192}, {10 481, -48}, {3791, -96}, {10 481, 24}, {1561, 24}, {1, 0}}

$\frac{24}{227}$ is a relation number with a list
{{227, 216}, {2497, -72}, {5221, -216}, {8399, -192}, {11 123, 72},
{7945, 384}, {27 013, 1368}, {78 769, -2400}, {97 837, -3432}, {383 857, 7968},
{316 211, 3408}, {166 391, 432}, {16 117, -768}, {2497, 96}, {1, 0}}

$\frac{24}{229}$ is a relation number with a list

{{229, 240}, {2519, -48}, {5267, 48}, {2977, -72}, {5725, -288}, {8015, -408}, {33 205, -528}, {13 511, 552}, {60 227, 168}, {19 007, 624}, {65 723, -1752}, {195 337, -8232}, {510 899, 11 088}, {194 879, 6576}, {549 829, -7680}, {716 999, 30 408}, {2 929 597, 98 304}, {4 470 767, -21 120}, {1 528 117, 31 920}, {925 847, -32 280}, {2 352 517, -4440}, {156 407, 456}, {1, 0}}

$\frac{24}{233}$ is a relation number with a list {{233, 240}, {1631, 24}, {1, 0}}

$\frac{24}{235}$ is a relation number with a list {{235, 240}, {1, 0}}

$\frac{24}{239}$ is a relation number with a list {{239, 240}, {1, 0}}

known cases

known cases

known cases

known cases

$\frac{25}{7}$ is a relation number with a list

{{7, 25}, {126, 275}, {1043, 1800}, {5299, 6325}, {7182, 7025}, {1099, -1850}, {5257, -5825}, {3976, -1825}, {2282, 3525}, {8701, 6400}, {16 107, -12 725}, {23 674, -4525}, {7343, -5450}, {13 251, 9175}, {28 532, -37 675}, {64 001, 35 150}, {44 093, 68 900}, {173 649, 137 875}, {250 418, 70 775}, {228 774, 321 625}, {649 957, 69 900}, {145 999, -32 125}, {102 382, -140 775}, {268 751, 25 600}, {89 257, -139 575}, {352 226, -280 925}, {499 107, -183 950}, {369 201, -30 925}, {13 293, -20 900}, {53 249, -43 875}, {65 618, -72 775}, {50 099, -27 350}, {32 207, -38 600}, {44 751, -49 450}, {32 893, -6275}, {10 626, -5975}, {9268, 8725}, {3801, 6775}, {20 818, 26 925}, {42 749, -35 800}, {48 643, -76 875}, {197 624, -167 675}, {209 643, 323 725}, {798 574, 585 975}, {1 488 193, -1 213 150}, {1 925 301, -1 615 975}, {2 165 282, -3 578 675}, {9 893 751, -10 284 100}, {390 349, 525 375}, {945 182, -301 975}, {274 799, -150 975}, {190 057, -300 725}, {774 676, -661 625}, {791 357, 1 021 175}, {1 608 726, -1 402 775}, {1 441 657, 478 125}, {50 974, 69 975}, {133 007, -14 800}, {193, 325}, {924, 1025}, {707, 400}, {651, -475}, {1232, 1075}, {1099, -325}, {868, 825}, {301, 400}, {693, -325}, {301, -125}, {357, 400}, {301, 425}, {868, 125}, {1, 0}}

$\frac{25}{8}$ is a relation number with a list {{8, 25}, {136, 225}, {712, 425}, {552, 25}, {1, 0}}

$\frac{25}{9}$ is a relation number with a list

{{9, 25}, {144, 175}, {279, -25}, {36, -25}, {99, 50}, {1, 0}}

$\frac{25}{11}$ is a relation number with a list

{{11, 25}, {154, 75}, {44, 25}, {66, 25}, {99, -50}, {1, 0}}

$\frac{25}{12}$ is a relation number with a list {{12, 25}, {156, 25}, {1, 0}}

$\frac{25}{13}$ is a relation number with a list
{{13, 25}, {156, -25}, {78, -25}, {39, -25}, {143, 50}, {91, 50}, {117, 25},
{104, 75}, {377, 250}, {1599, -175}, {312, 125}, {806, 75}, {247, -25}, {39, 25}}

$\frac{25}{14}$ is a relation number with a list
{{14, 25}, {154, -75}, {28, 25}, {42, -25}, {56, -25}, {42, -25}}

$\frac{25}{16}$ is a relation number with a list {{16, 25}, {72, 25}, {48, -25}, {1, 0}}

$\frac{25}{17}$ is a relation number with a list {{17, 25}, {136, -25}, {187, 125}, {1054, 575},
{1632, -175}, {969, -125}, {527, -200}, {1241, -250}, {153, -25}, {51, 25}, {1, 0}}

$\frac{25}{18}$ is a relation number with a list {{18, 25}, {42, 25}, {72, -25}, {1, 0}}

$\frac{25}{19}$ is a relation number with a list
{{19, 25}, {114, -25}, {209, -75}, {304, -175}, {874, -125}, {1, 0}}

$\frac{25}{21}$ is a relation number with a list {{21, 25}, {84, -25}, {63, -25}, {84, -25}}

$\frac{25}{22}$ is a relation number with a list {{22, 25}, {66, -25}, {99, 50}, {1, 0}}

$\frac{25}{23}$ is a relation number with a list {{23, 25}, {46, 25}, {92, 25}, {184, 25},
{207, -100}, {161, -25}, {253, -25}, {69, 25}, {138, 25}, {276, 25}, {1, 0}}

$\frac{25}{24}$ is a relation number with a list {{24, 25}, {1, 0}}

$\frac{25}{26}$ is a relation number with a list {{26, 25}, {1, 0}}

$\frac{25}{27}$ is a relation number with a list {{27, 25}, {54, 25}, {108, -25}, {72, -25}, {1, 0}}

$\frac{25}{28}$ is a relation number with a list {{28, 25}, {84, 25}, {252, 25}, {1, 0}}

$\frac{25}{29}$ is a relation number with a list {{29, 25}, {116, 25}, {261, -50}, {319, -75},
{551, 200}, {1421, 325}, {3509, 350}, {261, 25}, {319, -100}, {551, -50}, {1, 0}}

$\frac{25}{31}$ is a relation number with a list
{{31, 25}, {186, 25}, {341, -50}, {279, -25}, {124, 25}, {1, 0}}

$\frac{25}{32}$ is a relation number with a list {{32, 25}, {224, -75}, {1, 0}}

$\frac{25}{33}$ is a relation number with a list {{33, 25}, {264, 25}, {1, 0}}

$\frac{25}{34}$ is a relation number with a list {{34, 25}, {153, -25}, {102, -25}, {1, 0}}

$\frac{25}{36}$ is a relation number with a list {{36, 25}, {132, 25}, {252, 25}, {1, 0}}

$\frac{25}{37}$ is a relation number with a list {{37, 25}, {444, 25}, {222, -25}, {111, 25},
{407, 100}, {259, 25}, {333, 25}, {296, -75}, {148, -25}, {74, 25}, {1, 0}}

$\frac{25}{38}$ is a relation number with a list {{38, 50}, {114, -25},
{418, 125}, {817, 225}, {1577, -125}, {912, -25}, {228, -25}, {114, 25}}

$\frac{25}{39}$ is a relation number with a list {{39, 50}, {429, -25}, {156, 25}, {78, 25}, {1, 0}}

$\frac{25}{41}$ is a relation number with a list
{{41, 50}, {369, -25}, {246, -25}, {164, 25}, {451, 75}, {1, 0}}

$\frac{25}{42}$ is a relation number with a list {{42, 50}, {84, 25}, {126, -25}, {1, 0}}

$\frac{25}{43}$ is a relation number with a list {{43, 50}, {301, -50}, {1, 0}}

$\frac{25}{44}$ is a relation number with a list {{44, 50}, {132, 25}, {154, 25}, {1, 0}}

$\frac{25}{46}$ is a relation number with a list {{46, 50}, {1, 0}}

$\frac{25}{47}$ is a relation number with a list {{47, 50}, {141, -25}, {423, 50},
{1081, 50}, {893, 25}, {329, 50}, {987, -250}, {611, 50}, {517, -125},
{799, 75}, {1222, -275}, {5734, -725}, {3102, -575}, {10669, 1350},
{6157, -1225}, {1504, 25}, {188, -25}, {564, -25}, {517, 75}, {376, 75}, {1, 0}}

$\frac{25}{48}$ is a relation number with a list {{48, 50}, {1, 0}}

$\frac{25}{49}$ is a relation number with a list {{49, 50}, {1, 0}}

$\frac{25}{51}$ is a relation number with a list {{51, 50}, {1, 0}}

$\frac{25}{52}$ is a relation number with a list {{52, 50}, {1, 0}}

$\frac{25}{53}$ is a relation number with a list
{{53, 50}, {159, 25}, {477, -25}, {106, 25}, {318, -25}, {371, -75},
{212, -25}, {636, -125}, {583, -25}, {424, 75}, {1378, -75}, {1484, 225},
{4823, -550}, {6731, 575}, {8957, -900}, {2279, 400}, {6413, -25}, {636, 125}}

$\frac{25}{54}$ is a relation number with a list {{54, 50}, {1, 0}}

$\frac{25}{56}$ is a relation number with a list {{56, 50}, {168, -25}, {1, 0}}

$\frac{25}{57}$ is a relation number with a list {{57, 50}, {399, 50}, {1, 0}}

$\frac{25}{58}$ is a relation number with a list
{{58, 50}, {116, 25}, {261, -50}, {638, 125}, {377, 50}, {1334, -25}, {261, -50}}

$\frac{25}{59}$ is a relation number with a list
{{59, 50}, {531, 25}, {354, -25}, {236, 25}, {649, 100}, {2891, -225},
{2006, -325}, {3304, 425}, {5664, -1075}, {17 051, 1600}, {32 391, 1675},
{33 394, -225}, {5546, 825}, {13 511, 2850}, {43 601, -1875},
{28 084, -3525}, {6844, -825}, {14 396, 125}, {1239, 25}, {649, -100}}

$\frac{25}{61}$ is a relation number with a list
{{61, 50}, {671, 25}, {244, -25}, {366, 25}, {549, 50}, {1, 0}}

$\frac{25}{62}$ is a relation number with a list
{{62, 50}, {186, 25}, {341, -50}, {279, -25}, {124, 25}, {1, 0}}

$\frac{25}{63}$ is a relation number with a list {{63, 75}, {252, 25}, {126, 25}, {1, 0}}

$\frac{25}{64}$ is a relation number with a list
{{64, 75}, {704, -125}, {1472, -25}, {192, 25}, {1, 0}}

$\frac{25}{66}$ is a relation number with a list {{66, 75}, {1, 0}}

$\frac{25}{67}$ is a relation number with a list {{67, 75}, {536, -25}, {737, -25}, {804, 125},
{3618, 275}, {2881, 150}, {2077, -25}, {134, 25}, {603, 100}, {201, 25}, {1, 0}}

$\frac{25}{68}$ is a relation number with a list {{68, 75}, {476, -25}, {1, 0}}

$\frac{25}{69}$ is a relation number with a list {{69, 75}, {138, 25}, {276, 25}, {1, 0}}

$\frac{25}{71}$ is a relation number with a list {{71, 75}, {284, -25}, {639, 25},
{781, -125}, {2201, -350}, {7171, 400}, {2059, -125}, {4189, -25}, {781, 125}}

$\frac{25}{72}$ is a relation number with a list {{72, 75}, {1, 0}}

$\frac{25}{73}$ is a relation number with a list
{{73, 75}, {146, 25}, {292, -25}, {584, 25}, {657, 25}, {511, 75}, {1022, 125},
{1606, -225}, {2263, -150}, {949, 100}, {3577, -50}, {1679, 200}, {5767, 775},
{24 966, -3275}, {90 082, -7725}, {191 114, -25 125}, {721 678, 104 075},
{499 831, -65 775}, {1 924 937, 187 000}, {4 010 401, -83 250}, {1 051 273, 43 175},
{1 100 329, 137 175}, {213 817, -18 050}, {203 159, -4275}, {148 993, 5925},
{63 364, -1475}, {4453, -600}, {18 469, 475}, {4088, 325}, {10 001, 250}, {1, 0}}

$\frac{25}{74}$ is a relation number with a list {{74, 75}, {1, 0}}

$\frac{25}{76}$ is a relation number with a list {{76, 75}, {1, 0}}

$\frac{25}{77}$ is a relation number with a list
{{77, 75}, {154, 25}, {308, 25}, {616, -75}, {176, -25}, {1, 0}}

$\frac{25}{78}$ is a relation number with a list {{78, 75}, {1, 0}}

$\frac{25}{79}$ is a relation number with a list
{{79, 75}, {316, 25}, {711, 50}, {869, 100}, {2449, -150}, {3871, 400},
{10 191, 650}, {16 511, 900}, {24 569, 1125}, {14 299, 1625}, {25 754, 2025},
{45 109, -2950}, {67 861, 3175}, {93 694, 13 625}, {132 799, 16 275},
{205 321, -13 775}, {103 016, 12 425}, {285 664, -12 825}, {277 606, 41 025},
{755 951, 108 175}, {100 646, -10 025}, {31 284, 25}, {711, -50}}

$\frac{25}{81}$ is a relation number with a list {{81, 75}, {162, 25}, {324, -25}, {1, 0}}

$\frac{25}{82}$ is a relation number with a list {{82, 75}, {574, 25}, {1, 0}}

$\frac{25}{83}$ is a relation number with a list {{83, 75}, {664, 25}, {913, 125}, {3154, -75},
{332, -25}, {581, 25}, {498, -25}, {166, 25}, {747, -50}, {249, 25}, {1, 0}}

$\frac{25}{84}$ is a relation number with a list {{84, 75}, {1, 0}}

$\frac{25}{86}$ is a relation number with a list
{{86, 75}, {946, 125}, {2322, 25}, {258, 25}, {344, -25}, {258, 25}}

$\frac{25}{87}$ is a relation number with a list {{87, 75}, {348, -25}, {174, 25}, {1, 0}}

$\frac{25}{88}$ is a relation number with a list {{88, 100}, {264, -25}, {1, 0}}

$\frac{25}{89}$ is a relation number with a list
{{89, 100}, {979, -100}, {1869, -25}, {534, -25}, {801, 25}, {1, 0}}

$\frac{25}{91}$ is a relation number with a list
{{91, 100}, {819, -100}, {1729, -75}, {364, -25}, {1001, 75}, {182, 25}, {1, 0}}

$\frac{25}{92}$ is a relation number with a list {{92, 100}, {1, 0}}

$\frac{25}{93}$ is a relation number with a list {{93, 100}, {651, -25}, {1, 0}}

$\frac{25}{94}$ is a relation number with a list {{94, 100}, {282, 25}, {658, 75},
{1598, 175}, {2162, -225}, {4136, -425}, {5358, 25}, {376, -25}, {1, 0}}

$\frac{25}{96}$ is a relation number with a list {{96, 100}, {1, 0}}

$\frac{25}{97}$ is a relation number with a list
{{97, 100}, {291, -25}, {873, -50}, {2231, -250}, {1843, 25}, {679, 25}, {388, 25},
{1164, -25}, {1067, -50}, {1649, -175}, {7178, -325}, {2716, -25}, {873, -50}}

$\frac{25}{98}$ is a relation number with a list {{98, 100}, {1, 0}}

$\frac{25}{99}$ is a relation number with a list {{99, 100}, {1, 0}}

$\frac{25}{101}$ is a relation number with a list {{101, 100}, {1, 0}}

$\frac{25}{102}$ is a relation number with a list {{102, 100}, {1, 0}}

$\frac{25}{103}$ is a relation number with a list
{{103, 100}, {309, 25}, {927, 100}, {2781, 175}, {1957, 25}, {721, -50},
{2163, 100}, {3811, -125}, {6283, -675}, {21 424, -1925}, {25 647, 925},
{26 059, -400}, {6077, 100}, {2369, 50}, {1957, -75}, {721, -25}, {412, -25},
{1236, 125}, {1442, 75}, {1751, 75}, {2678, -75}, {2266, 25}, {927, -100}}

$\frac{25}{104}$ is a relation number with a list {{104, 100}, {1, 0}}

$\frac{25}{106}$ is a relation number with a list
{{106, 100}, {318, -25}, {742, 25}, {424, -25}, {1, 0}}

$\frac{25}{107}$ is a relation number with a list {{107, 100}, {749, 25}, {1, 0}}

$\frac{25}{108}$ is a relation number with a list {{108, 100}, {1, 0}}

$\frac{25}{109}$ is a relation number with a list
{{109, 100}, {981, 100}, {2071, 25}, {436, -25}, {1199, 25}, {1, 0}}

$\frac{25}{111}$ is a relation number with a list
{{111, 100}, {1221, 100}, {777, 25}, {222, 25}, {1, 0}}

$\frac{25}{112}$ is a relation number with a list
{{112, 100}, {336, 25}, {616, 25}, {252, -25}, {1, 0}}

$\frac{25}{113}$ is a relation number with a list {{113, 125}, {1356, -25}, {678, 25},
{339, -25}, {1243, 75}, {3616, 325}, {4633, -175}, {9379, 975}, {41 923, 1125},
{33 674, 475}, {5763, -125}, {1469, -150}, {3503, -100}, {339, 25}}

$\frac{25}{114}$ is a relation number with a list {{114, 125}, {627, 25}, {1, 0}}

$\frac{25}{116}$ is a relation number with a list
{{116, 125}, {261, -25}, {1276, 125}, {377, 25}, {1, 0}}

$\frac{25}{117}$ is a relation number with a list {{117, 125}, {936, -25}, {1287, 100}, {1, 0}}

$\frac{25}{118}$ is a relation number with a list {{118, 125}, {413, -25}, {708, -25},
{472, 25}, {354, -25}, {236, 25}, {1298, -75}, {2714, -225}, {826, 25}, {1, 0}}

$\frac{25}{119}$ is a relation number with a list
{{119, 125}, {714, -25}, {1309, -50}, {1071, -100}, {3451, 300}, {17 731, 1550}, {81 039, -2825}, {105 434, 3925}, {9197, 900}, {23 443, -1250}, {36 533, 2925}, {170 527, -10 175}, {17 136, -775}, {10 234, 225}, {12 971, -475}, {17 374, -1775}, {44 744, 4425}, {58 786, -4475}, {10 387, 300}, {13 447, 1025}, {14 518, -25}, {1, 0}}

$\frac{25}{121}$ is a relation number with a list {{121, 125}, {484, -25}, {1089, -100}, {1, 0}}

$\frac{25}{122}$ is a relation number with a list {{122, 125}, {366, -25}, {549, -50}, {1, 0}}

$\frac{25}{123}$ is a relation number with a list
{{123, 125}, {246, 25}, {492, 25}, {328, -25}, {1, 0}}

$\frac{25}{124}$ is a relation number with a list {{124, 125}, {1, 0}}

$\frac{25}{126}$ is a relation number with a list {{126, 125}, {1, 0}}

$\frac{25}{127}$ is a relation number with a list
{{127, 125}, {254, 25}, {508, -25}, {1016, 25}, {1143, -25}, {889, 25}, {1397, 125}, {2794, -75}, {2413, -25}, {1524, -125}, {3048, -275}, {2921, 150}, {9017, -475}, {1016, -75}, {4318, 175}, {7239, 575}, {29 972, -2225}, {132 969, 5350}, {99 187, 3925}, {134 874, -5975}, {323 977, -6475}, {28 829, 550}, {29 083, 1150}, {42 291, -3800}, {62 357, -3875}, {45 339, -1250}, {43 053, 2275}, {21 844, -825}, {50 038, 3575}, {1524, -125}}

$\frac{25}{128}$ is a relation number with a list {{128, 125}, {384, 25}, {576, 25}, {1, 0}}

$\frac{25}{129}$ is a relation number with a list {{129, 125}, {516, 25}, {387, -25}, {516, 25}}

$\frac{25}{131}$ is a relation number with a list
{{131, 125}, {786, 25}, {1441, -25}, {1179, -100}, {2751, -25}, {1, 0}}

$\frac{25}{132}$ is a relation number with a list {{132, 125}, {462, 25}, {1, 0}}

$\frac{25}{133}$ is a relation number with a list
{{133, 125}, {1064, 25}, {1463, -25}, {1596, 25}, {532, -25}, {1, 0}}

$\frac{25}{134}$ is a relation number with a list {{134, 125}, {603, 50}, {402, 25}, {1, 0}}

$\frac{25}{136}$ is a relation number with a list {{136, 125}, {748, -25}, {1, 0}}

$\frac{25}{137}$ is a relation number with a list {{137, 125}, {1644, 25}, {822, 25}, {411, 25}, {1507, 125}, {959, -25}, {1233, -50}, {2329, 50}, {2877, -25}, {274, 25}, {1, 0}}

$\frac{25}{138}$ is a relation number with a list {{138, 150}, {1, 0}}

$\frac{25}{139}$ is a relation number with a list

{{139, 150}, {1529, 50}, {2919, -125}, {6116, 225}, {5699, -500}, {27 661, 150}, {8479, -500}, {2919, 200}, {11 259, 550}, {36 001, -1250}, {34 611, -550}, {5421, 400}, {24 881, -1900}, {25 159, -1650}, {56 851, -4400}, {48 511, 850}, {8479, 725}, {30 719, -1325}, {33 916, -1175}, {22 101, 350}, {7089, 200}, {12 371, 1100}, {37 669, -2925}, {49 484, -2825}, {189 874, 17 025}, {361 261, 27 375}, {748 654, 34 925}, {2 116 831, -94 850}, {4 188 209, 374 800}, {9 091 851, -230 000}, {15 032 711, -474 700}, {21 918 771, -1 034 525}, {26 930 694, 1 510 525}, {35 967 084, -2 958 175}, {65 188 776, -825 325}, {1 653 961, -105 175}, {4 008 621, 199 825}, {1 684 819, -102 625}, {5 951 841, -348 700}, {3 327 799, 11 225}, {722 661, 575}, {15 846, -125}, {4031, -25}, {834, -25}, {1251, -100}, {6811, 425}, {1529, -50}}

$\frac{25}{141}$ is a relation number with a list {{141, 150}, {1, 0}}

$\frac{25}{142}$ is a relation number with a list

{{142, 150}, {284, 25}, {639, -25}, {1562, -25}, {852, 25}, {1, 0}}

$\frac{25}{143}$ is a relation number with a list {{143, 150}, {1001, 75}, {286, 25}, {1, 0}}

$\frac{25}{144}$ is a relation number with a list {{144, 150}, {1, 0}}

$\frac{25}{146}$ is a relation number with a list {{146, 150}, {1, 0}}

$\frac{25}{147}$ is a relation number with a list {{147, 150}, {1, 0}}

$\frac{25}{148}$ is a relation number with a list {{148, 150}, {1, 0}}

$\frac{25}{149}$ is a relation number with a list {{149, 150}, {1, 0}}

$\frac{25}{151}$ is a relation number with a list {{151, 150}, {1, 0}}

$\frac{25}{152}$ is a relation number with a list {{152, 150}, {1, 0}}

$\frac{25}{153}$ is a relation number with a list {{153, 150}, {1, 0}}

$\frac{25}{154}$ is a relation number with a list {{154, 150}, {1, 0}}

$\frac{25}{156}$ is a relation number with a list {{156, 150}, {1, 0}}

$\frac{25}{157}$ is a relation number with a list {{157, 150}, {1099, -75}, {4082, 75}, {5024, -225}, {11 618, -175}, {10 676, -275}, {7693, 300}, {16 799, 1050}, {1, 0}}

$\frac{25}{158}$ is a relation number with a list {{158, 150}, {316, 25}, {711, 50}, {1738, -75}, {1027, -75}, {3634, -225}, {2686, 75}, {1106, 25}, {474, 25}, {1, 0}}

$\frac{25}{159}$ is a relation number with a list {{159, 150}, {1, 0}}

$\frac{25}{161}$ is a relation number with a list
{{161, 150}, {1771, -50}, {483, -25}, {1288, -25}, {1932, 125}, {1311, 25}, {1771, -100},
{4669, 150}, {3059, -75}, {2576, 75}, {4186, -275}, {9821, -50}, {483, -25}}

$\frac{25}{162}$ is a relation number with a list {{162, 150}, {1, 0}}

$\frac{25}{163}$ is a relation number with a list
{{163, 175}, {1956, -25}, {978, -25}, {489, -25}, {1793, -50}, {1141, -75},
{2608, 175}, {2771, -50}, {3423, 250}, {12 551, -325}, {20 212, 275},
{22 331, 300}, {21 353, -225}, {3586, -175}, {14 018, -575},
{35 534, -1075}, {9617, 300}, {2771, 25}, {652, 25}, {326, 25}, {1, 0}}

$\frac{25}{164}$ is a relation number with a list {{164, 175}, {451, -25}, {1, 0}}

$\frac{25}{166}$ is a relation number with a list {{166, 175}, {1494, -25}, {498, -25}, {1, 0}}

$\frac{25}{167}$ is a relation number with a list
{{167, 175}, {1336, -25}, {1837, -50}, {2171, -100}, {4843, 25},
{1169, 25}, {1002, 25}, {334, 25}, {1503, -100}, {501, 25}, {1, 0}}

$\frac{25}{168}$ is a relation number with a list {{168, 175}, {1, 0}}

$\frac{25}{169}$ is a relation number with a list
{{169, 175}, {1014, -25}, {1859, 100}, {6929, -500}, {11 999, -700},
{16 731, 500}, {39 039, -2125}, {133 341, -4075}, {191 646, 8275},
{223 249, 11 425}, {887 419, 38 300}, {1 101 711, -46 300},
{1 603 641, -3725}, {309 946, -12 375}, {96 499, 7050}, {371 969, 19 100},
{1 532 661, 53 750}, {4 409 041, 47 400}, {142 129, 75}, {676, -25}, {1, 0}}

$\frac{25}{171}$ is a relation number with a list {{171, 175}, {684, -25}, {1, 0}}

$\frac{25}{172}$ is a relation number with a list {{172, 175}, {516, -25}, {1548, 25}, {1, 0}}

$\frac{25}{173}$ is a relation number with a list
{{173, 175}, {346, 25}, {692, -25}, {1384, -75}, {5882, -225}, {5536, 275},
{6228, -125}, {3806, 175}, {7612, 525}, {45 326, -875}, {30 102, -875},
{60 896, -1775}, {94 458, -6775}, {67 816, -3925}, {188 743, 2850},
{111 239, -5275}, {80 272, 3825}, {9169, -550}, {31 313, 125}, {10 726, 75}, {1, 0}}

$\frac{25}{174}$ is a relation number with a list {{174, 175}, {1, 0}}

$\frac{25}{176}$ is a relation number with a list {{176, 175}, {1, 0}}

$\frac{25}{177}$ is a relation number with a list
{{177, 175}, {354, 25}, {708, 25}, {1416, 25}, {531, 25}, {354, 25}}

$\frac{25}{178}$ is a relation number with a list {{178, 175}, {534, 25}, {801, -25}, {1, 0}}

$\frac{25}{179}$ is a relation number with a list {{179, 175}, {716, 25}, {1611, 25}, {1969, 75},
{3401, 125}, {4654, 275}, {3759, 125}, {1611, 100}, {1969, 25}, {1074, 25}, {1, 0}}

$\frac{25}{181}$ is a relation number with a list
{{181, 175}, {1086, 25}, {1991, 125}, {1629, 100}, {5249, -25}, {1, 0}}

$\frac{25}{182}$ is a relation number with a list {{182, 175}, {1, 0}}

$\frac{25}{183}$ is a relation number with a list {{183, 175}, {1464, 25},
{2013, 100}, {2379, 100}, {1281, 25}, {366, 25}, {549, -25}, {1, 0}}

$\frac{25}{184}$ is a relation number with a list {{184, 175}, {1656, 25}, {552, -25}, {1, 0}}

$\frac{25}{186}$ is a relation number with a list
{{186, 175}, {1023, 50}, {2139, 50}, {1023, 25}, {1, 0}}

$\frac{25}{187}$ is a relation number with a list
{{187, 175}, {2244, 25}, {1122, -25}, {561, 25}, {1, 0}}

$\frac{25}{188}$ is a relation number with a list
{{188, 200}, {564, -25}, {2068, 25}, {1316, 25}, {1692, 25}, {376, 25}, {1, 0}}

$\frac{25}{189}$ is a relation number with a list
{{189, 200}, {2079, -125}, {414, -25}, {2079, 50}, {1, 0}}

$\frac{25}{191}$ is a relation number with a list {{191, 200}, {1719, 50}, {3629, 50},
{4011, -100}, {2101, -125}, {4584, -125}, {7831, 300}, {5921, -50}, {4011, -100}}

$\frac{25}{192}$ is a relation number with a list {{192, 200}, {1, 0}}

$\frac{25}{193}$ is a relation number with a list {{193, 200}, {1351, 75}, {1, 0}}

$\frac{25}{194}$ is a relation number with a list {{194, 200}, {582, 25},
{679, -25}, {388, 25}, {1164, -25}, {1067, -50}, {3298, 75}, {1, 0}}

$\frac{25}{196}$ is a relation number with a list {{196, 200}, {1, 0}}

$\frac{25}{197}$ is a relation number with a list
{{197, 200}, {591, -25}, {1773, -25}, {394, 25}, {1182, 25}, {1379, 25},
{788, 25}, {2364, -125}, {2167, -125}, {8274, -475}, {39 203, 950},
{49 841, -2600}, {86 877, -5050}, {202 319, 6475}, {314 018, 375},
{28 171, -1200}, {112 487, 6275}, {91 211, 2350}, {86 483, -2000}, {95 151, 4475},
{231 672, -425}, {9259, -300}, {8077, -350}, {5319, -100}, {3743, -225},
{16 154, -775}, {23 837, 1425}, {76 436, 575}, {7683, -175}, {3349, 50}, {1, 0}}

$\frac{25}{198}$ is a relation number with a list {{198, 200}, {1, 0}}

$\frac{25}{199}$ is a relation number with a list {{199, 200}, {1, 0}}

$\frac{25}{201}$ is a relation number with a list {{201, 200}, {1, 0}}

$\frac{25}{202}$ is a relation number with a list {{202, 200}, {1, 0}}

$\frac{25}{203}$ is a relation number with a list
{{203, 200}, {609, 25}, {1827, -100}, {5481, -50}, {551, 25}, {1, 0}}

$\frac{25}{204}$ is a relation number with a list {{204, 200}, {1, 0}}

$\frac{25}{206}$ is a relation number with a list
{{206, 200}, {618, -25}, {1442, 75}, {1751, 75}, {2678, -75}, {2266, 25},
{1854, 25}, {412, 25}, {1236, 25}, {2266, -75}, {1648, 75}, {1, 0}}

$\frac{25}{207}$ is a relation number with a list
{{207, 200}, {483, -25}, {1656, 25}, {414, 25}, {2277, 50}, {1, 0}}

$\frac{25}{208}$ is a relation number with a list {{208, 200}, {1, 0}}

$\frac{25}{209}$ is a relation number with a list {{209, 200}, {1881, -50}, {1, 0}}

$\frac{25}{211}$ is a relation number with a list {{211, 200}, {2321, 125},
{11 394, 625}, {30 384, -1325}, {19 201, -250}, {10 339, 75}, {2321, 125}}

$\frac{25}{212}$ is a relation number with a list
{{212, 200}, {636, 25}, {2332, 75}, {1484, -25}, {477, 25}, {1, 0}}

$\frac{25}{213}$ is a relation number with a list {{213, 225}, {852, 25}, {426, 25}, {1, 0}}

$\frac{25}{214}$ is a relation number with a list
{{214, 225}, {2354, -25}, {428, 25}, {642, 25}, {856, 25}, {642, -25}}

$\frac{25}{216}$ is a relation number with a list {{216, 225}, {1, 0}}

$\frac{25}{217}$ is a relation number with a list
{{217, 225}, {1736, -25}, {2387, 75}, {2821, -25}, {868, 25}, {1, 0}}

$\frac{25}{218}$ is a relation number with a list
{{218, 225}, {763, -25}, {1308, 25}, {872, 25}, {654, 25}, {436, 25}, {1199, -25}, {1, 0}}

$\frac{25}{219}$ is a relation number with a list {{219, 225}, {438, 25}, {876, -25}, {1, 0}}

$\frac{25}{221}$ is a relation number with a list
{{221, 225}, {884, -25}, {1989, 100}, {2431, -100}, {6851, 375}, {22 321, -450},
{39 559, 1000}, {97 461, -500}, {663, 25}, {2652, -125}, {5967, 50}, {1, 0}}

$\frac{25}{222}$ is a relation number with a list {{222, 225}, {1, 0}}

$\frac{25}{223}$ is a relation number with a list
{{223, 225}, {446, 25}, {892, 25}, {1784, 25}, {2007, -50}, {1561, 50}, {2453, -125},
{10 481, -325}, {18 063, 425}, {47 276, 625}, {49 952, 625}, {10 704, -175}, {6467, 125},
{7359, 175}, {2007, 100}, {1561, 75}, {3122, 75}, {6244, 75}, {4237, 100}, {8251, 100},
{10 927, -250}, {16 279, -825}, {49 283, 1650}, {48 391, 950}, {13 157, 550},
{9589, -100}, {2453, 25}, {669, 25}, {1338, -25}, {2676, -125}, {11 373, 175}, {446, 25}}

$\frac{25}{224}$ is a relation number with a list {{224, 225}, {1, 0}}

$\frac{25}{226}$ is a relation number with a list {{226, 225}, {1, 0}}

$\frac{25}{227}$ is a relation number with a list {{227, 225}, {454, 25}, {908, -25}, {1816, -75},
{3632, 175}, {9761, 50}, {2497, 75}, {4994, -25}, {1362, -25}, {2724, 25}, {1, 0}}

$\frac{25}{228}$ is a relation number with a list {{228, 225}, {1, 0}}

$\frac{25}{229}$ is a relation number with a list
{{229, 225}, {916, 25}, {2061, -100}, {8931, 475}, {21 526, -675},
{16 946, -825}, {86 791, -575}, {7786, -75}, {3206, 25}, {1374, 25}, {1, 0}}

$\frac{25}{231}$ is a relation number with a list {{231, 225}, {462, 25}, {924, 25}, {1, 0}}

$\frac{25}{232}$ is a relation number with a list {{232, 225}, {812, 25}, {696, 25}, {1, 0}}

$\frac{25}{233}$ is a relation number with a list {{233, 225}, {1864, 25}, {2563, -50}, {3029, 50},
{4893, -100}, {1631, 25}, {1398, -25}, {466, 25}, {2097, 25}, {699, 25}, {1, 0}}

$\frac{25}{234}$ is a relation number with a list {{234, 225}, {1, 0}}

$\frac{25}{236}$ is a relation number with a list {{236, 225}, {2596, 25}, {1, 0}}

$\frac{25}{237}$ is a relation number with a list {{237, 225}, {948, -25}, {474, 25}, {1, 0}}

$\frac{25}{238}$ is a relation number with a list

{{238, 250}, {714, -25}, {1309, -50}, {2142, 25}, {952, 25}, {1, 0}}

$\frac{25}{239}$ is a relation number with a list

{{239, 250}, {2629, -75}, {956, -25}, {1434, 25}, {2151, -100},
{11 711, -600}, {69 071, -1100}, {54 731, -450}, {40 391, 1925}, {8126, -225},
{6214, 175}, {20 554, -975}, {18 881, 25}, {1434, -25}}

$\frac{25}{241}$ is a relation number with a list

{{241, 250}, {2169, 50}, {4579, 175}, {6989, 125}, {2651, 125},
{6266, 225}, {8194, 175}, {7471, -325}, {964, 25}, {2651, 25}, {1, 0}}

$\frac{25}{242}$ is a relation number with a list

{{242, 250}, {484, 25}, {2178, -25}, {726, 25}, {1, 0}}

$\frac{25}{243}$ is a relation number with a list {{243, 250}, {1701, -25}, {1, 0}}

$\frac{25}{244}$ is a relation number with a list

{{244, 250}, {732, 25}, {1708, -25}, {488, 25}, {732, -25}}

$\frac{25}{246}$ is a relation number with a list {{246, 250}, {1, 0}}

$\frac{25}{247}$ is a relation number with a list {{247, 250}, {741, -25}, {2223, 100},
{5681, -25}, {1482, -25}, {1729, -50}, {5187, -250}, {1197, 25}, {741, -25}}

$\frac{25}{248}$ is a relation number with a list {{248, 250}, {1, 0}}

$\frac{25}{249}$ is a relation number with a list {{249, 250}, {1, 0}}

known cases

known cases

$\frac{26}{7}$ is a relation number with a list

{{7, 26}, {133, 312}, {1253, 2470}, {8519, 14 352}, {40 831, 51 194},
{72 541, -88 920}, {114 653, 196 586}, {573 531, 754 156}, {1 264 375, -582 842},
{690 837, 1 052 038}, {2 528 407, 2 026 960}, {3 510 129, 1 151 098}, {397 845, 669 136},
{1 899 037, 2 369 614}, {3 294 039, -4 352 296}, {7 407 799, 2 951 390},
{10 124 597, 16 945 916}, {47 749 233, 58 732 882}, {76 885 543, -125 555 300},
{340 688 299, -386 526 582}, {320 867 981, 322 095 358}, {8 591 639, 11 070 436},
{17 351 579, -13 044 330}, {30 150 743, 20 678 164}, {66 308 053, -101 539 906},
{246 622 971, -205 248 836}, {289 618 945, -361 014 342}, {499 767 779, 670 820 072},
{1 197 366 051, -248 380 886}, {311 768 653, -577 329 506}, {1 858 925 971, -2 863 275 636},
{7 030 447 655, -6 070 161 838}, {6 722 000 719, 7 443 729 618}, {5 052 102 293, 4 188 746 796},
{6 043 488 479, 6 873 984 650}, {5 813 473 197, -4 932 091 658}, {6 169 670 773, 11 307 198 422},
{35 962 693 543, 54 425 329 920}, {129 238 454 639, 99 051 236 362},

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{211 310 527 939, -91 509 020 668}, {198 047 406 221, 95 041 507 002},
{55 750 745 519, 44 067 956 088}, {81 779 526 017, 4 723 167 410},
{10 399 760 329, -5 565 509 352}, {5 118 808 625, 933 129 964}, {3 172 111 635, -5 250 219 182},
{14 546 752 829, -17 279 261 948}, {19 127 563 833, -21 135 640 552},
{14 056 537 033, -8 680 500 218}, {23 131 243 821, -25 152 546 952},
{14 149 121 917, 18 406 184 446}, {29 799 437 703, -18 159 665 368},
{45 639 251 231, -42 399 561 282}, {22 677 829 643, 40 130 825 722},
{122 170 972 553, 172 862 118 000}, {354 838 018 129, 107 934 955 622},
{217 232 058 841, -51 317 243 484}, {83 741 594 335, -48 180 496 858},
{88 335 795 667, 9 159 094 100}, {22 786 017 331, 20 520 119 958},
{15 861 281 611, 25 814 176 310}, {69 670 262 893, 78 076 028 004},
{58 840 355 777, 109 117 482 630}, {351 939 887 971, 543 382 919 768},
{1 340 101 222 579, 1 173 838 388 346}, {1 163 839 839 631, -428 798 661 694},
{857 893 018 157, -184 869 149 868}, {465 169 118 281, -433 686 961 682},
{220 375 096 193, 238 335 554 522}, {125 723 208 303, 199 538 784 562},
{516 709 033 813, 522 433 490 800}, {40 071 198 909, 63 862 605 950},
{166 539 849 287, 171 538 341 416}, {34 989 444 903, -31 121 231 726},
{27 077 492 239, -16 701 536 878}, {44 279 070 619, -47 554 361 296},
{22 927 034 739, -7 749 701 336}, {2 254 484 883, 4 005 103 388},
{12 254 329 535, 17 480 357 414}, {36 582 195 153, 13 514 222 956},
{27 723 316 005, 8 372 755 898}, {18 235 338 177, -9 121 964 800}, {60 139 961, -32 067 828},
{27 969 865, 16 698 656}, {37 992 129, 24 223 030}, {73 177 517, 102 240 996},
{203 444 353, 39 963 482}, {25 388 601, -3 157 180}, {918 127, -1 639 144},
{5 047 119, -7 272 434}, {15 577 205, -6 951 152}, {11 724 307, -5 110 638},
{10 521 217, 3 304 340}, {4 257 379, 7 317 258}, {21 419 153, 28 336 048},
{48 418 265, -18 513 066}, {49 846 531, -55 552 796}, {39 943 855, -56 219 098},
{113 926 701, -29 622 632}, {31 946 789, -29 960 580}, {13 903 463, -3 158 324},
{8 891 169, 10 916 074}, {14 174 335, -23 764 988}, {67 134 571, -83 002 062},
{111 072 437, 168 459 668}, {401 710 617, 312 850 330}, {622 022 009, -120 415 152},
{139 623 743, 194 298 884}, {382 725 987, 61 461 478}, {97 699 833, 67 345 252},
{212 482 067, -317 802 342}, {737 241 925, -513 710 756}, {1 564 718 183, 2 215 835 102},
{4 557 818 433, 1 418 194 180}, {2 122 651 251, 2 043 226 042}, {79 425 209, -21 829 392},
{55 246 513, -52 395 590}, {19 956 461, 3 850 860}, {4 915 127, 8 699 834},
{26 492 949, 37 503 544}, {77 074 165, 23 750 662}, {40 755 253, 14 877 980},
{27 150 809, -3 299 998}, {5 255 775, -3 578 536}, {11 740 673, 18 558 462},
{47 724 523, 47 353 280}, {2 598 701, 3 294 148}, {4 868 129, -4 977 414}, {764 995, 744 978},
{140 119, 10 426}, {32 067, -46 124}, {98 399, -42 614}, {92 197, 44 148}, {27 307, 4758},
{8687, -1040}, {2569, 2262}, {2149, -130}, {427, -676}, {1743, -1742}, {1, 0}}
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$\frac{26}{9}$ is a relation number with a list

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{{9, 26}, {153, 208}, {495, -442}, {159, 52}, {1, 0}}
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$\frac{26}{11}$ is a relation number with a list

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{{11, 26}, {165, 104}, {473, -26}, {55, -26}, {33, 26}, {77, -78}, {1, 0}}
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$\frac{26}{15}$ is a relation number with a list

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{{15, 26}, {165, -104}, {645, 442}, {3045, 1352}, {5115, 2548}, {285, 182},
 {1185, -676}, {2505, 1456}, {6105, -676}, {35, 26}, {45, -26}, {105, 26}, {1, 0}}
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$\frac{26}{17}$ is a relation number with a list {{17, 26}, {153, 26}, {51, 26}, {1, 0}}

$\frac{26}{19}$ is a relation number with a list
{{19, 26}, {133, 52}, {437, 208}, {399, 130}, {171, -104}, {703, 52},
{475, 312}, {2831, 1820}, {15 371, 7488}, {7505, -1508}, {665, 442},
{4161, -2704}, {23 693, -13 468}, {61 617, 2938}, {1539, 1040},
{9481, -6188}, {55 005, -32 968}, {207 689, 57 980}, {460 389, 158 392},
{280 953, 66 248}, {303 259, 13 754}, {12 749, -364}, {171, 104}}

$\frac{26}{21}$ is a relation number with a list {{21, 26}, {105, -26}, {1, 0}}

$\frac{26}{23}$ is a relation number with a list {{23, 26}, {69, 26}, {207, 104}, {1, 0}}

$\frac{26}{25}$ is a relation number with a list {{25, 26}, {1, 0}}

$\frac{26}{27}$ is a relation number with a list {{27, 26}, {1, 0}}

$\frac{26}{29}$ is a relation number with a list {{29, 26}, {87, -26}, {261, -52}, {1, 0}}

$\frac{26}{31}$ is a relation number with a list {{31, 26}, {155, 26}, {1, 0}}

$\frac{26}{33}$ is a relation number with a list {{33, 26}, {231, -52}, {253, 26}, {231, 52}}

$\frac{26}{35}$ is a relation number with a list {{35, 26}, {315, -26}, {105, 26}, {1, 0}}

$\frac{26}{37}$ is a relation number with a list
{{37, 26}, {407, 104}, {333, -104}, {777, -26}, {111, 26}, {259, 52}, {1, 0}}

$\frac{26}{41}$ is a relation number with a list
{{41, 52}, {451, -130}, {2501, -572}, {8733, -1300}, {15 047, -3952},
{31 201, 3744}, {51 209, -8866}, {81 467, 1872}, {36 941, -6474}, {78 023, 18 044},
{239 727, -20 306}, {161 745, 11 986}, {243 007, 29 120}, {411 927, -112 190},
{1 510 153, -188 500}, {88 273, -3536}, {5207, -312}, {3977, 182}, {1107, 260},
{2747, 208}, {1763, -416}, {4059, 962}, {8651, 1040}, {13 571, -390}, {3239, -442},
{5945, 728}, {4961, 1534}, {14 719, -2444}, {2255, -104}, {1353, -26}, {1, 0}}

$\frac{26}{43}$ is a relation number with a list {{43, 52}, {387, 104}, {1247, 52}, {1, 0}}

$\frac{26}{45}$ is a relation number with a list {{45, 52}, {315, 26}, {1, 0}}

$\frac{26}{47}$ is a relation number with a list {{47, 52}, {235, 26}, {1, 0}}

$\frac{26}{49}$ is a relation number with a list {{49, 52}, {147, 26},
{441, -104}, {1225, 104}, {1127, 286}, {833, 130}, {2597, -520}, {147, -26}}

$\frac{26}{51}$ is a relation number with a list {{51, 52}, {1, 0}}

$\frac{26}{53}$ is a relation number with a list {{53, 52}, {1, 0}}

$\frac{26}{55}$ is a relation number with a list {{55, 52}, {165, -26}, {495, -26}, {1, 0}}

$\frac{26}{57}$ is a relation number with a list {{57, 52}, {285, -26}, {1, 0}}

$\frac{26}{59}$ is a relation number with a list
{{59, 52}, {413, -26}, {177, -26}, {295, -26}, {531, 104}, {649, 130}, {1, 0}}

$\frac{26}{61}$ is a relation number with a list
{{61, 52}, {549, -104}, {1769, -312}, {6283, 286}, {549, 104}}

$\frac{26}{63}$ is a relation number with a list
{{63, 52}, {693, 130}, {387, 52}, {1449, 286}, {133, 26}, {1, 0}}

$\frac{26}{67}$ is a relation number with a list
{{67, 78}, {737, -78}, {2345, 234}, {335, -52}, {1541, 104}, {1273, -52}, {1675, -234},
{2479, -286}, {6365, -598}, {14 271, 1300}, {1943, 364}, {8241, -1196}, {8777, -1612},
{48 039, 3848}, {124 821, 15 626}, {12 529, -1612}, {24 589, 3042}, {16 951, -104}, {1, 0}}

$\frac{26}{69}$ is a relation number with a list {{69, 78}, {1, 0}}

$\frac{26}{71}$ is a relation number with a list
{{71, 78}, {497, -78}, {2059, -260}, {1491, -104}, {2485, -104}, {781, -52}, {1, 0}}

$\frac{26}{73}$ is a relation number with a list {{73, 78}, {365, 26}, {1, 0}}

$\frac{26}{75}$ is a relation number with a list {{75, 78}, {1, 0}}

$\frac{26}{77}$ is a relation number with a list {{77, 78}, {1, 0}}

$\frac{26}{79}$ is a relation number with a list {{79, 78}, {1, 0}}

$\frac{26}{81}$ is a relation number with a list {{81, 78}, {1, 0}}

$\frac{26}{83}$ is a relation number with a list {{83, 78}, {415, -26}, {1, 0}}

$\frac{26}{85}$ is a relation number with a list
{{85, 78}, {595, 78}, {2465, 156}, {2635, -364}, {7395, 728}, {1955, -182}, {3995, -416},
{2805, 208}, {8585, -702}, {13 685, -1066}, {2941, 130}, {4165, 416}, {1, 0}}

$\frac{26}{87}$ is a relation number with a list {{87, 78}, {1, 0}}

$\frac{26}{89}$ is a relation number with a list
{{89, 78}, {979, 78}, {3115, 338}, {6497, -286}, {7209, 182}, {6319, 416},
{7031, 52}, {979, 52}, {801, 52}, {1869, 260}, {4361, 208}, {623, 52}, {1, 0}}

$\frac{26}{93}$ is a relation number with a list
{{93, 104}, {1023, 52}, {1581, 26}, {465, 52}, {1, 0}}

$\frac{26}{95}$ is a relation number with a list {{95, 104}, {855, -52}, {2185, -156}, {1, 0}}

$\frac{26}{97}$ is a relation number with a list
{{97, 104}, {679, -78}, {2231, -208}, {5529, -572}, {18 527, 858},
{33 853, -1560}, {45 299, 5616}, {35 987, 4576}, {60 237, -7930}, {310 691, 19 708},
{449 789, 17 316}, {41 419, -3250}, {80 607, -8840}, {101 559, -13 598},
{618 181, 6578}, {14 647, 1872}, {31 913, -1950}, {69 161, -3770},
{126 197, 6396}, {167 131, 6760}, {181 293, -23 998}, {1 037 027, 104 078},
{364 041, -45 032}, {367 145, -38 064}, {1 309 015, -167 362}, {2 898 457, -80 912},
{1 394 375, -286}, {12 125, 1508}, {5917, 364}, {9021, -962}, {35 211, 1066},
{3201, -416}, {12 319, 728}, {5529, 520}, {18 527, -780}, {18 721, 390}, {1, 0}}

$\frac{26}{99}$ is a relation number with a list {{99, 104}, {495, -26}, {1, 0}}

$\frac{26}{101}$ is a relation number with a list {{101, 104}, {303, 26}, {909, -52}, {2525, -52},
{2323, -130}, {1717, -130}, {2727, 208}, {2323, 78}, {1717, 78}, {1, 0}}

$\frac{26}{103}$ is a relation number with a list {{103, 104}, {1, 0}}

$\frac{26}{105}$ is a relation number with a list {{105, 104}, {1, 0}}

$\frac{26}{107}$ is a relation number with a list {{107, 104}, {321, -26}, {963, 26}, {1, 0}}

$\frac{26}{109}$ is a relation number with a list {{109, 104}, {545, 26}, {1, 0}}

$\frac{26}{111}$ is a relation number with a list {{111, 104}, {259, 26}, {1, 0}}

$\frac{26}{113}$ is a relation number with a list {{113, 104}, {1017, 52}, {2599, 104}, {1, 0}}

$\frac{26}{115}$ is a relation number with a list
{{115, 104}, {1265, -52}, {1955, 208}, {9545, 182}, {1863, -26}, {1035, -52}, {1, 0}}

$\frac{26}{119}$ is a relation number with a list
{{119, 130}, {1309, -26}, {1071, -52}, {357, 26}, {1, 0}}

$\frac{26}{121}$ is a relation number with a list {{121, 130}, {1089, -52}, {363, -26}, {1, 0}}

$\frac{26}{123}$ is a relation number with a list {{123, 130}, {861, 26}, {1, 0}}

$\frac{26}{125}$ is a relation number with a list {{125, 130}, {1, 0}}

$\frac{26}{127}$ is a relation number with a list {{127, 130}, {381, 26}, {1143, -26}, {1, 0}}

$\frac{26}{129}$ is a relation number with a list {{129, 130}, {1, 0}}

$\frac{26}{131}$ is a relation number with a list {{131, 130}, {1, 0}}

$\frac{26}{133}$ is a relation number with a list {{133, 130}, {399, -26}, {1197, 52}, {1, 0}}

$\frac{26}{135}$ is a relation number with a list {{135, 130}, {1, 0}}

$\frac{26}{137}$ is a relation number with a list {{137, 130}, {959, -26}, {411, -26},
{685, 52}, {1233, 104}, {2055, 182}, {7261, 130}, {2603, -26}, {411, 26}}

$\frac{26}{139}$ is a relation number with a list {{139, 130}, {1251, 52}, {417, -26}, {1, 0}}

$\frac{26}{141}$ is a relation number with a list
{{141, 130}, {1551, 26}, {423, 26}, {987, 26}, {1, 0}}

$\frac{26}{145}$ is a relation number with a list {{145, 156}, {1595, -26}, {1305, -26}, {1, 0}}

$\frac{26}{147}$ is a relation number with a list {{147, 156}, {1, 0}}

$\frac{26}{149}$ is a relation number with a list
{{149, 156}, {1043, 52}, {447, 26}, {745, -26}, {1341, -104}, {1639, 52},
{3725, 52}, {2831, 156}, {3427, -78}, {745, 52}, {2533, -208}, {5513, -208},
{15 347, -1144}, {70 775, 2444}, {15 049, 858}, {58 855, -4602}, {144 679, 4056},
{199 213, -13 390}, {243 913, -5304}, {10 579, 208}, {4321, -78}, {4619, -338},
{16 837, 416}, {29 353, 520}, {34 717, -1274}, {47 531, 936}, {30 545, -884},
{58 855, -1794}, {51 703, -3354}, {207 557, 7306}, {445 361, 598}, {1, 0}}

$\frac{26}{151}$ is a relation number with a list {{151, 156}, {755, -26}, {1, 0}}

$\frac{26}{153}$ is a relation number with a list {{153, 156}, {1, 0}}

$\frac{26}{155}$ is a relation number with a list {{155, 156}, {1, 0}}

$\frac{26}{157}$ is a relation number with a list {{157, 156}, {1, 0}}

$\frac{26}{159}$ is a relation number with a list {{159, 156}, {1, 0}}

$\frac{26}{161}$ is a relation number with a list {{161, 156}, {805, 26}, {1, 0}}

$\frac{26}{163}$ is a relation number with a list
{{163, 156}, {1141, -52}, {489, -26}, {815, -52}, {2771, 78}, {6031, -208}, {1, 0}}

$\frac{26}{165}$ is a relation number with a list {{165, 156}, {1, 0}}

$\frac{26}{167}$ is a relation number with a list {{167, 156}, {1837, 26}, {1503, 104},
{7849, 260}, {8183, 104}, {5511, -208}, {17 201, 78}, {6179, 442}, {1503, -104}}

$\frac{26}{171}$ is a relation number with a list {{171, 182}, {1881, 52}, {1, 0}}

$\frac{26}{173}$ is a relation number with a list {{173, 182}, {1557, 104}, {519, 26}, {1, 0}}

$\frac{26}{175}$ is a relation number with a list {{175, 182}, {1, 0}}

$\frac{26}{177}$ is a relation number with a list {{177, 182}, {885, 26}, {1, 0}}

$\frac{26}{179}$ is a relation number with a list {{179, 182}, {537, 26}, {1611, 26}, {1, 0}}

$\frac{26}{181}$ is a relation number with a list {{181, 182}, {1, 0}}

$\frac{26}{183}$ is a relation number with a list {{183, 182}, {1, 0}}

$\frac{26}{185}$ is a relation number with a list {{185, 182}, {555, -26}, {1665, 104}, {1, 0}}

$\frac{26}{187}$ is a relation number with a list {{187, 182}, {935, -26}, {1, 0}}

$\frac{26}{189}$ is a relation number with a list {{189, 182}, {1, 0}}

$\frac{26}{191}$ is a relation number with a list {{191, 182}, {1719, -104}, {9359, -520}, {1, 0}}

$\frac{26}{193}$ is a relation number with a list
{{193, 182}, {2123, -52}, {1737, -26}, {965, -52}, {4439, -130}, {3667, 104},
{5211, -286}, {12 159, 494}, {36 863, -988}, {59 251, 884}, {4439, 182},
{13 703, 52}, {4825, -286}, {7141, 364}, {26 827, -1586}, {26 055, 728},
{29 529, -1274}, {43 811, 2002}, {44 969, 1326}, {22 195, 1222}, {38 407, -2158},
{84 341, -3900}, {281 587, -5980}, {101 711, -3172}, {39 951, 1352},
{117 537, -7592}, {705 801, -39 026}, {643 269, 7228}, {4439, 130}}

$\frac{26}{197}$ is a relation number with a list
{{197, 208}, {2167, -78}, {3349, -104}, {4137, 260}, {4531, 208}, {8865, -26}, {1, 0}}

$\frac{26}{199}$ is a relation number with a list {{199, 208}, {1791, 26}, {597, -26}, {1, 0}}

$\frac{26}{201}$ is a relation number with a list {{201, 208}, {1407, 52}, {1, 0}}

$\frac{26}{203}$ is a relation number with a list {{203, 208}, {1015, 26}, {1, 0}}

$\frac{26}{205}$ is a relation number with a list
{{205, 208}, {615, 26}, {1845, 52}, {1025, 52}, {615, -26}}

$\frac{26}{207}$ is a relation number with a list {{207, 208}, {1, 0}}

$\frac{26}{209}$ is a relation number with a list {{209, 208}, {1, 0}}

$\frac{26}{211}$ is a relation number with a list
{{211, 208}, {633, -26}, {1899, -104}, {5697, -182}, {11 605, 208},
{9073, -286}, {16 669, 780}, {60 979, -728}, {36 503, 676}, {1, 0}}

$\frac{26}{213}$ is a relation number with a list {{213, 208}, {1065, -26}, {1, 0}}

$\frac{26}{215}$ is a relation number with a list {{215, 208}, {1505, -52}, {645, 26}, {1, 0}}

$\frac{26}{217}$ is a relation number with a list {{217, 208}, {1953, -26}, {651, -26}, {1, 0}}

$\frac{26}{219}$ is a relation number with a list {{219, 208}, {803, 26}, {1, 0}}

$\frac{26}{223}$ is a relation number with a list
{{223, 234}, {2453, -130}, {3791, -182}, {6913, 286}, {10 927, 78}, {1561, -78}, {1, 0}}

$\frac{26}{225}$ is a relation number with a list {{225, 234}, {1, 0}}

$\frac{26}{227}$ is a relation number with a list
{{227, 234}, {1589, 26}, {681, -26}, {1135, -52}, {2043, 104}, {8399, 442}, {1, 0}}

$\frac{26}{229}$ is a relation number with a list {{229, 234}, {1145, -26}, {1, 0}}

$\frac{26}{231}$ is a relation number with a list {{231, 234}, {1, 0}}

$\frac{26}{233}$ is a relation number with a list {{233, 234}, {1, 0}}

$\frac{26}{235}$ is a relation number with a list {{235, 234}, {1, 0}}

$\frac{26}{237}$ is a relation number with a list {{237, 234}, {1, 0}}

$\frac{26}{239}$ is a relation number with a list {{239, 234}, {1195, 26}, {1, 0}}

$\frac{26}{241}$ is a relation number with a list {{241, 234}, {1687, -26}, {723, 26},
{1205, -26}, {2169, 52}, {3615, -52}, {6025, 182}, {4579, -104}, {723, -26}}

$\frac{26}{243}$ is a relation number with a list {{243, 234}, {1, 0}}

$\frac{26}{245}$ is a relation number with a list {{245, 234}, {539, 26}, {1, 0}}

$\frac{26}{249}$ is a relation number with a list

{{249, 260}, {2739, -104}, {8715, -416}, {1743, -52}, {6225, -52}, {1245, 26}, {1, 0}}

$\frac{26}{251}$ is a relation number with a list {{251, 260}, {2259, 26}, {753, 26}, {1, 0}}

$\frac{26}{253}$ is a relation number with a list {{253, 260}, {1771, -78}, {1, 0}}

$\frac{26}{255}$ is a relation number with a list {{255, 260}, {1, 0}}

$\frac{26}{257}$ is a relation number with a list {{257, 260}, {771, 26},

{2313, 104}, {6425, 78}, {7453, -312}, {8995, 104}, {13 107, 208}, {771, 26}}

$\frac{26}{259}$ is a relation number with a list {{259, 260}, {1, 0}}

known cases

known cases

known cases

$\frac{27}{7}$ is a relation number with a list

{{7, 27}, {140, 351}, {1477, 3240}, {12 341, 24 921}, {88 060, 165 213}, {540 071, 926 640},
{2 705 983, 3 950 883}, {8 714 300, 5 956 119}, {19 307 267, -32 778 054},
{94 295 509, -134 264 871}, {279 785 534, -139 318 677}, {8 037 260, -14 204 079},
{43 167 733, -67 075 560}, {167 354 789, -175 982 409}, {60 393 340, 67 148 163},
{47 283 761, 77 103 522}, {208 738 327, 265 408 893}, {396 693 962, -327 756 969},
{482 558 951, -432 999 972}, {346 912 853, -354 814 938}, {55 314 595, -76 570 974},
{148 794 653, -37 925 415}, {20 349 049, 30 010 338}, {67 629 023, 50 782 437},
{117 926 102, -99 380 763}, {129 817 373, -194 941 188}, {455 866 705, -393 754 689},
{434 784 112, 597 766 041}, {1 140 873 503, 216 149 796}, {420 871 661, -110 313 549},
{142 677 745, 221 866 398}, {554 320 571, 585 028 845}, {214 957 918, 50 415 075},
{93 083 326, -6 130 161}, {7 916 377, -12 376 530}, {31 221 071, -33 788 421},
{17 971 450, 28 563 597}, {74 145 029, 86 042 790}, {83 284 327, 40 179 564},
{20 476 393, -34 664 544}, {99 317 057, -140 428 269}, {287 778 484, -127 004 841},
{236 381 614, 22 723 767}, {64 007 608, -87 820 119}, {166 687 577, -28 196 964},
{17 459 449, -4 652 019}, {8 040 389, 1 551 204}, {1 990 583, 3 180 465},
{8 329 174, 9 863 559}, {10 740 695, 13 811 877}, {21 498 274, -13 761 225},
{42 169 232, -66 324 177}, {169 084 615, -187 914 276}, {131 807 627, -209 802 609},
{545 964 874, -637 246 251}, {638 969 639, -468 470 601}, {1 193 493 266, 1 324 179 819},
{914 805 871, 1 316 352 060}, {2 810 823 323, 1 627 282 683}, {3 106 194 301, 590 056 380},
{1 091 386 807, -79 240 167}, {17 975 531, 9 905 976}, {12 854 947, -19 758 465},
{48 324 626, -48 085 731}, {1 672 265, -1 191 537}, {3 365 096, 4 638 897},
{8 916 607, 1 920 348}, {4 795 931, 5 056 155}, {1 821 568, -262 845}, {2621, -2889},
{1876, -1485}, {2737, 162}, {119, -216}, {679, -1107}, {2996, -3807}, {5677, 4752},
{6475, 8289}, {12 698, -9045}, {25 571, 35 316}, {68 215, 15 903}, {32 221, -12 960},
{44 107, 79 407}, {247 100, 397 251}, {1 051 057, 1 273 320}, {1 555 841, -2 912 139},
{9 494 086, -16 235 073}, {47 186 909, -68 361 138}, {148 219 603, -93 176 217},
{266 929 817, -377 352 918}, {772 961 707, -339 953 301}, {651 385 735, 132 814 728},

{88 815 335, 98 017 209}, {64 413 118, 59 231 331}, {36 272 509, -5 105 430},
{534 499, -982 152}, {3 133 571, -5 211 567}, {14 545 972, -19 624 923},
{35 552 657, 242 784}, {743 351, -1 167 723}, {2 970 604, -3 283 983}, {2 193 653, -2 395 818},
{1 415 155, 395 361}, {1 164 023, 1 722 276}, {3 907 771, 3 016 899}, {6 236 104, -2 935 251},
{2 559 214, -804 249}, {1 025 269, -1 675 134}, {4 549 055, -5 820 417},
{8 899 534, 6 416 145}, {17 383 723, -22 138 488}, {33 283 355, 26 590 761},
{46 848 158, 5 435 289}, {14 486 101, 17 827 938}, {23 392 859, -34 565 967},
{78 211 756, -59 712 147}, {129 497 263, 81 504 414}, {234 580 955, 334 281 357},
{697 902 814, 351 941 355}, {41 859 272, -41 731 605}, {893 669, 874 530},
{133 973, -79 326}, {172 753, -111 051}, {345 443, -555 066}, {1 467 361, -1 774 359},
{2 148 986, 4 131 567}, {13 878 067, 24 608 718}, {75 114 557, 117 466 551},
{296 463 958, 321 237 981}, {173 418 161, -241 970 004}, {479 862 901, -157 109 733},
{59 735 914, 52 281 639}, {52 179 925, -36 559 377}, {109 343 836, 165 839 157},
{395 467 247, 364 499 568}, {216 773 753, 43 114 977}, {8 392 076, 10 479 915},
{14 614 873, -16 987 752}, {16 610 153, -9 221 202}, {12 825 757, 15 077 637},
{15 763 160, 16 058 061}, {294 901, -133 407}, {196 609, -175 500}, {147 763, -88 614},
{206 255, -175 257}, {216 986, -389 853}, {1 210 069, -1 938 438}, {5 098 583, -6 096 897},
{6 988 198, -11 230 677}, {29 697 353, -35 932 194}, {43 643 887, 83 184 651},
{276 785 348, 485 308 071}, {1 459 659 061, 2 232 957 024}, {5 413 085 741, 5 248 345 833},
{1 153 179 356, 1 154 600 703}, {9 949 429, 15 208 938}, {36 816 563, 35 544 177},
{1 272 386, 1 189 755}, {578 417, -595 863}, {122 122, -68 337}, {101 864, 85 455},
{114 863, 155 142}, {281 953, 1539}, {2212, 2241}, {203, -27}, {91, -162}, {497, -783},
{2002, -2241}, {1673, 2781}, {7756, 10 449}, {18 851, -432}, {1099, -1215},
{812, -891}, {553, -162}, {469, 675}, {1442, 837}, {1624, 405}, {28, 27}, {1, 0}}

$\frac{27}{8}$ is a relation number with a list

{{8, 27}, {152, 297}, {1160, 1539}, {3032, -2079}, {7624, 9099}, {5900, 3429},
{3832, -783}, {664, -459}, {1640, 1863}, {892, -1431}, {4312, -3105},
{9656, 7749}, {15 256, 10 503}, {38 024, -44 307}, {25 132, 7587},
{18 968, -3321}, {3832, 351}, {58, 81}, {184, -27}, {20, -27}, {56, 27}, {1, 0}}

$\frac{27}{10}$ is a relation number with a list

{{10, 27}, {170, 189}, {95, 81}, {70, 27}, {110, 27}, {1, 0}}

$\frac{27}{11}$ is a relation number with a list {{11, 27}, {176, 135}, {451, 378}, {803, 216},
{671, -729}, {638, 189}, {781, 162}, {319, -216}, {1133, 405}, {902, -27}, {1, 0}}

$\frac{27}{13}$ is a relation number with a list {{13, 27}, {182, 27}, {91, 27},
{130, 81}, {416, -189}, {494, -405}, {1157, -459}, {2860, 27}, {26, 27}, {1, 0}}

$\frac{27}{14}$ is a relation number with a list {{14, 27}, {182, -27}, {1, 0}}

$\frac{27}{16}$ is a relation number with a list {{16, 27}, {176, -135}, {328, 27}, {1, 0}}

$\frac{27}{17}$ is a relation number with a list

{{17, 27}, {170, 81}, {136, 81}, {442, 27}, {170, -81}}

$\frac{27}{19}$ is a relation number with a list

{{19, 27}, {152, -81}, {190, -81}, {532, -27}, {152, 81}}

$\frac{27}{20}$ is a relation number with a list {{20, 27}, {140, 27}, {1, 0}}

$\frac{27}{22}$ is a relation number with a list {{22, 27}, {55, -27}, {1, 0}}

$\frac{27}{23}$ is a relation number with a list

{{23, 27}, {92, 27}, {253, 27}, {230, 81}, {299, -108}, {575, -216}, {1679, -945},
{4853, -1053}, {9476, 1971}, {8717, -4401}, {1955, 243}, {253, -54},
{391, -135}, {322, 81}, {46, 27}, {184, 27}, {115, 54}, {161, -81}, {1, 0}}

$\frac{27}{25}$ is a relation number with a list {{25, 27}, {50, 27}, {100, -27},
{200, 27}, {275, 81}, {800, 297}, {2275, -54}, {175, -27}, {325, 27}, {1, 0}}

$\frac{27}{26}$ is a relation number with a list {{26, 27}, {1, 0}}

$\frac{27}{28}$ is a relation number with a list {{28, 27}, {1, 0}}

$\frac{27}{29}$ is a relation number with a list {{29, 27}, {58, 27}, {116, 27}, {232, -81},
{319, -27}, {145, -27}, {290, 27}, {203, -27}, {377, 81}, {812, -81}, {58, 27}}

$\frac{27}{31}$ is a relation number with a list

{{31, 27}, {124, -27}, {341, -54}, {527, 162}, {1271, -513}, {7595, -2673},
{13 144, 2727}, {15 221, -4995}, {7316, -1917}, {10 912, 2403}, {34 193, 14 850},
{139 283, -24 894}, {312 511, -44 847}, {43 958, 11 961}, {120 466, 48 897},
{702 832, 291 519}, {3 713 614, -666 225}, {8 795 816, -2 329 641}, {16 205 188, 1 647 891},
{8 485 382, 648 837}, {1 565 531, -338 958}, {4 007 029, 37 719}, {273 265, -20 736},
{114 607, -43 902}, {530 069, -24 057}, {25 265, 2403}, {36 208, -11 421},
{60 295, 13 554}, {188 449, -72 225}, {875 006, -47 331}, {714 488, -222 669},
{1 440 911, 627 183}, {5 782 895, -704 187}, {4 631 369, -1 660 932},
{10 894 237, 4 046 247}, {38 579 624, 8 972 775}, {83 344 244, -12 204 567},
{64 719 475, -16 238 448}, {7 263 827, -2 732 832}, {28 974 739, 9 009 603},
{60 323 830, 16 597 143}, {188 007 002, -23 267 331}, {57 918 974, -15 049 449},
{70 643 482, -25 692 633}, {199 466 927, -72 174 672}, {528 769 759, -65 292 183},
{199 401 145, 60 005 907}, {600 886 144, -233 226 675}, {3 062 610 311, -772 277 436},
{821 482 423, 329 605 713}, {5 030 400 907, 1 455 143 265}, {20 614 104 472, -8 753 218 857},
{96 337 669 498, -19 628 777 169}, {55 992 706 757, 23 277 995 811},
{292 538 169 185, -42 756 055 794}, {209 380 862 563, 48 889 890 117},
{428 460 364 945, 22 885 967 367}, {197 563 465 868, -21 179 365 353},
{215 424 508 421, -93 676 932 972}, {870 189 916 787, 127 644 465 384},
{722 961 567 931, -178 921 200 942}, {225 579 689 053, -45 323 521 974},
{32 175 545 327, 3 836 078 244}, {46 094 500 625, -1 522 043 811},
{13 428 775 145, -399 238 281}, {4 505 118 679, 604 947 582}, {8 385 053 755, -3 155 958 963},
{33 567 517 154, 10 126 053 999}, {98 870 009 867, -30 542 682 987},
{224 500 788 086, 30 841 549 713}, {266 908 142 945, 26 214 510 843},
{147 654 069 965, 41 038 244 703}, {511 466 174 257, 64 226 030 814},
{2 342 072 255, -990 079 929}, {11 219 284 307, -1 377 573 642}, {6 159 550 301, 213 374 034},
{877 197 235, 261 499 401}, {2 873 669 992, 597 859 839}, {3 584 505 293, 198 275 877},
{481 724 717, -146 948 148}, {1 267 288 463, -140 323 104}, {135 796 337, 26 130 249},
{159 497 852, -23 467 185}, {147 945 733, -45 653 031}, {340 585 840, 67 952 439},
{25 532 995, -6 123 816}, {32 169 661, 6 292 863}, {21 865 726, 4 635 333},
{40 639 109, -2 113 911}, {14 718 800, -1 433 241}, {11 978 090, -2 700 351},
{36 477 266, 11 600 685}, {51 931 541, -2 224 341}, {23 922 638, -6 447 033},
{57 830 314, -1 615 329}, {9 967 430, -2 012 661}, {2 972 125, 265 491}, {1 603 444, -149 067},
{1 125 083, -278 478}, {346 301, 114 075}, {126 356, 14 661}, {173 383, -1458}, {3689, 216},
{527, -189}, {1240, 459}, {4247, 567}, {8618, 2565}, {28 613, 4752}, {3131, 54}, {1, 0}}

$\frac{27}{32}$ is a relation number with a list {{32, 27}, {80, 27}, {1, 0}}

$\frac{27}{34}$ is a relation number with a list

{{34, 27}, {238, -27}, {170, -27}, {136, -27}, {1, 0}}

$\frac{27}{35}$ is a relation number with a list {{35, 27}, {280, 81}, {1295, -162}, {1, 0}}

$\frac{27}{37}$ is a relation number with a list {{37, 27}, {370, -81}, {1295, 162}, {1, 0}}

$\frac{27}{38}$ is a relation number with a list

{{38, 27}, {418, 135}, {494, -135}, {874, 81}, {646, 135}, {1102, 351}, {931, 54},
{247, -27}, {76, 27}, {95, 27}, {494, 27}, {152, -27}, {190, -27}, {1, 0}}

$\frac{27}{40}$ is a relation number with a list {{40, 27}, {520, 27}, {140, -27}, {1, 0}}

$\frac{27}{41}$ is a relation number with a list
{{41, 54}, {533, -108}, {287, 81}, {1517, -324}, {4223, -621},
{5084, -1323}, {8528, -1917}, {35 260, -8937}, {20 008, -2511}, {3280, -729},
{14 924, -405}, {2501, 135}, {2624, -351}, {6847, -864},
{2665, 324}, {2993, -513}, {3485, 378}, {3403, -189}, {1, 0}}

$\frac{27}{43}$ is a relation number with a list {{43, 54}, {473, 54}, {559, 135},
{817, 162}, {301, -27}, {172, 27}, {430, 81}, {1075, 108}, {215, -54}, {1, 0}}

$\frac{27}{44}$ is a relation number with a list {{44, 54}, {220, 27}, {1, 0}}

$\frac{27}{46}$ is a relation number with a list
{{46, 54}, {92, 27}, {253, 27}, {115, -27}, {322, 81}, {1, 0}}

$\frac{27}{47}$ is a relation number with a list
{{47, 54}, {329, -81}, {235, -27}, {376, -27}, {94, 27}, {611, -135},
{3008, -567}, {8131, 1377}, {6157, -1053}, {7567, 1674}, {37 741, 8046},
{116 983, 25 056}, {389 959, -57 537}, {601 600, -60 561}, {188 470, 31 347},
{388, -81}, {799, 135}, {517, -108}, {1081, 108}, {1, 0}}

$\frac{27}{49}$ is a relation number with a list {{49, 54}, {245, 54}, {1225, 54}, {833, 108},
{1519, -270}, {4949, -405}, {4361, -621}, {98, 27}, {490, 27}, {196, 27}, {1, 0}}

$\frac{27}{50}$ is a relation number with a list {{50, 54}, {1, 0}}

$\frac{27}{52}$ is a relation number with a list {{52, 54}, {1, 0}}

$\frac{27}{53}$ is a relation number with a list {{53, 54}, {1, 0}}

$\frac{27}{55}$ is a relation number with a list {{55, 54}, {1, 0}}

$\frac{27}{56}$ is a relation number with a list {{56, 54}, {1, 0}}

$\frac{27}{58}$ is a relation number with a list {{58, 54}, {1, 0}}

$\frac{27}{59}$ is a relation number with a list
{{59, 54}, {295, -54}, {1475, 189}, {2183, -162}, {4543, 837}, {21 122, 1053},
{3658, 189}, {3953, 297}, {5428, 135}, {1652, -351}, {6077, 1242}, {7847, -1458},
{32 863, 4212}, {49 147, -1107}, {25 901, 5805}, {158 179, -19 440}, {156 881, 1728},
{21 653, -2862}, {73 337, 1053}, {22 007, -1701}, {6254, 189}, {1003, 135}, {3422, 135},
{2773, 351}, {2065, 81}, {2360, 459}, {3835, 756}, {3245, 54}, {295, -54}}

$\frac{27}{61}$ is a relation number with a list

{{61, 54}, {427, 81}, {1342, 189}, {1159, 243}, {3416, 297}, {9028, 1863},
{17 507, 2592}, {38 857, -3321}, {60 695, -12 339}, {61 000, -3321}, {74 542, -4617},
{40 870, 7803}, {113 155, -24 867}, {681 980, 7587}, {51 850, -3807}, {88 328, -2349},
{56 974, -8019}, {51 301, 10 395}, {41 114, 2835}, {86 071, 17 550}, {102 419, 17 442},
{136 213, 21 276}, {521 977, -88 398}, {513 071, -58 050}, {572 119, -4212},
{43 493, 6669}, {194 590, 23 841}, {235 582, -5535}, {147 803, 10 530}, {23 363, 1188},
{24 217, 2565}, {69 052, 3645}, {12 383, 2376}, {30 683, -4455}, {30 622, 675},
{15 067, 1161}, {1586, 81}, {2074, -351}, {1952, -189}, {3782, 189}, {122, 27},
{793, 108}, {2257, -405}, {10 553, 1350}, {15 067, -2322}, {69 235, 11 583},
{16 043, 3537}, {100 162, 5913}, {21 899, -2052}, {41 053, -2025}, {33 733, -4077},
{68 137, -7425}, {80 032, 7587}, {208 925, -432}, {9943, -54}, {427, -81}}

$\frac{27}{62}$ is a relation number with a list

{{62, 54}, {124, 27}, {341, 54}, {1054, 135}, {806, 27}, {124, 27}}

$\frac{27}{64}$ is a relation number with a list {{64, 54}, {320, -27}, {1, 0}}

$\frac{27}{65}$ is a relation number with a list {{65, 54}, {715, -54}, {1, 0}}

$\frac{27}{67}$ is a relation number with a list

{{67, 54}, {871, 108}, {469, 54}, {1139, 54}, {335, -27}, {737, -27},
{536, -81}, {2077, 405}, {3484, 459}, {12 596, -297}, {8174, -135},
{4087, 810}, {2479, 324}, {7571, -351}, {10 117, -945}, {18 626, 3267},
{65 392, -8073}, {54 136, 4509}, {1876, -297}, {6298, 405}, {12 194, 2349},
{30 083, -216}, {3953, -135}, {2546, 189}, {5963, 648}, {8777, 972},
{1943, 135}, {3551, 459}, {8107, -1350}, {469, 81}, {1139, 81}, {335, 27}}

$\frac{27}{68}$ is a relation number with a list {{68, 81}, {221, 27}, {170, -27}, {136, 27}, {1, 0}}

$\frac{27}{70}$ is a relation number with a list {{70, 81}, {770, -27}, {182, 27}, {1, 0}}

$\frac{27}{71}$ is a relation number with a list

{{71, 81}, {710, -81}, {1349, 108}, {3763, 513}, {12 212, -729}, {12 851, -1998},
{61 273, -2052}, {20 377, -1539}, {26 270, 621}, {13 348, -1593}, {42 884, 1053},
{20 519, 3267}, {65 107, 9126}, {86 975, -13 554}, {401 221, -46 872},
{1 464 517, -13 662}, {190 493, -28 269}, {524 690, 11 799}, {392 914, -58 779},
{1 316 269, 168 885}, {2 471 581, 227 826}, {2 449 855, -337 851}, {6 027 758, -1 064 961},
{25 702 568, -2 581 497}, {7 980 542, 1 195 047}, {27 319 877, -1 734 345},
{30 504 653, -4 465 476}, {53 511 209, -8 540 532}, {161 029 207, 5 986 818},
{43 656 409, 6 580 980}, {171 142 021, -11 674 341}, {282 089 674, -29 310 093},
{781 799 176, -110 781}, {1 253 789, -236 763}, {4 968 154, 193 509}, {4 478 680, -113 859},
{2 710 709, 162 675}, {3 888 386, 279 531}, {1 778 408, -234 117}, {6 711 488, -1 243 485},
{35 078 473, 5 090 472}, {39 393 001, -1 893 024}, {25 595 713, -1 865 430},
{36 941 797, 6 010 929}, {62 211 833, 931 581}, {14 490 674, -15 795},
{472 789, -42 687}, {229 472, 23 463}, {366 218, 5319}, {56 303, 7749},
{146 260, -6021}, {124 676, -783}, {12 709, 2403}, {49 274, 1971}, {1, 0}}

$\frac{27}{73}$ is a relation number with a list {{73, 81}, {584, -81}, {1241, 54}, {1, 0}}

$\frac{27}{74}$ is a relation number with a list
{{74, 81}, {259, 27}, {814, 81}, {148, 27}, {481, -54}, {185, -27}, {148, 27}}

$\frac{27}{76}$ is a relation number with a list {{76, 81}, {190, 27}, {1, 0}}

$\frac{27}{77}$ is a relation number with a list {{77, 81}, {308, 27}, {1, 0}}

$\frac{27}{79}$ is a relation number with a list {{79, 81}, {158, 27}, {316, 27},
{632, 27}, {869, 54}, {395, -54}, {1343, -135}, {553, 81}, {1106, 27}, {1, 0}}

$\frac{27}{80}$ is a relation number with a list {{80, 81}, {1, 0}}

$\frac{27}{82}$ is a relation number with a list {{82, 81}, {1, 0}}

$\frac{27}{83}$ is a relation number with a list {{83, 81}, {166, 27}, {332, -27},
{664, -81}, {1328, 189}, {415, 27}, {830, 81}, {1660, 243}, {3403, -243}, {1, 0}}

$\frac{27}{85}$ is a relation number with a list {{85, 81}, {340, -27},
{935, -81}, {3145, -108}, {1105, -54}, {425, 27}, {595, -27}, {1, 0}}

$\frac{27}{86}$ is a relation number with a list {{86, 81}, {215, -27}, {1, 0}}

$\frac{27}{88}$ is a relation number with a list {{88, 81}, {308, -27}, {1, 0}}

$\frac{27}{89}$ is a relation number with a list
{{89, 81}, {712, 81}, {1513, 135}, {2492, -81}, {1691, 27}, {890, 27}, {1, 0}}

$\frac{27}{91}$ is a relation number with a list {{91, 81}, {910, 81}, {247, 27}, {364, -27}, {1, 0}}

$\frac{27}{92}$ is a relation number with a list
{{92, 81}, {1012, 27}, {1196, 27}, {184, 27}, {230, -27}, {1196, 27}}

$\frac{27}{94}$ is a relation number with a list
{{94, 81}, {611, -54}, {1598, -27}, {470, 27}, {1034, -135}, {2162, 135}, {1, 0}}

$\frac{27}{95}$ is a relation number with a list
{{95, 108}, {1235, -81}, {380, -27}, {190, 27}, {1, 0}}

$\frac{27}{97}$ is a relation number with a list
{{97, 108}, {1067, -81}, {1358, 81}, {1843, -162}, {5917, 756}, {12 707, 945}, {40 934, 513}, {10 282, -1107}, {30 943, -4023}, {120 377, -11 853}, {179 159, -2754}, {14 453, -1620}, {12 319, -594}, {15 035, -972}, {44 135, 3996}, {17 363, 972}, {12 901, -918}, {4753, -405}, {10 379, -1161}, {6790, -783}, {24 929, -378}, {1843, 243}, {9797, 972}, {7469, 729}, {17 363, -1782}, {44 329, 108}, {4753, -108}, {1, 0}}

$\frac{27}{98}$ is a relation number with a list {{98, 108}, {490, -27}, {196, 27}, {1, 0}}

$\frac{27}{100}$ is a relation number with a list {{100, 108}, {1, 0}}

$\frac{27}{101}$ is a relation number with a list
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$\frac{27}{103}$ is a relation number with a list
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$\frac{27}{104}$ is a relation number with a list {{104, 108}, {1, 0}}

$\frac{27}{106}$ is a relation number with a list {{106, 108}, {1, 0}}

$\frac{27}{107}$ is a relation number with a list {{107, 108}, {1, 0}}

$\frac{27}{109}$ is a relation number with a list {{109, 108}, {1, 0}}

$\frac{27}{110}$ is a relation number with a list {{110, 108}, {1, 0}}

$\frac{27}{112}$ is a relation number with a list {{112, 108}, {1, 0}}

$\frac{27}{113}$ is a relation number with a list
{{113, 108}, {565, 54}, {2825, 27}, {1130, -81}, {452, -27}, {791, 27}, {904, 27}, {1469, -108}, {4859, -567}, {27 572, -1809}, {49 381, -3834}, {52 093, -2403}, {87 349, 216}, {9605, -837}, {44 974, 2133}, {20 453, 1566}, {10 735, -27}, {1243, 81}, {3164, 81}, {565, -27}, {226, 27}, {1130, 81}}

$\frac{27}{115}$ is a relation number with a list {{115, 108}, {805, -54}, {1, 0}}

$\frac{27}{116}$ is a relation number with a list {{116, 108}, {1, 0}}

$\frac{27}{118}$ is a relation number with a list
{{118, 108}, {590, 27}, {236, 27}, {826, 27}, {1298, 81}, {1, 0}}

$\frac{27}{119}$ is a relation number with a list {{119, 108}, {1309, 81}, {1547, 162},
{8687, 432}, {5593, -621}, {476, -27}, {1190, -27}, {238, 27}, {595, 27}, {1, 0}}

$\frac{27}{121}$ is a relation number with a list
{{121, 108}, {1573, 81}, {374, -27}, {484, 27}, {242, 27}, {1, 0}}

$\frac{27}{122}$ is a relation number with a list
{{122, 135}, {1586, 27}, {854, -81}, {2257, -54}, {671, 27}, {244, 27}, {1, 0}}

$\frac{27}{124}$ is a relation number with a list
{{124, 135}, {341, -27}, {310, 27}, {806, -81}, {1, 0}}

$\frac{27}{125}$ is a relation number with a list
{{125, 135}, {250, 27}, {875, -27}, {1375, -108}, {3625, 189},
{4250, -243}, {14 875, -1458}, {7375, 189}, {500, -27}, {325, -27}, {1, 0}}

$\frac{27}{127}$ is a relation number with a list
{{127, 135}, {1016, -81}, {4699, 297}, {6731, -513}, {7874, 135}, {5588, 513},
{6985, 189}, {1016, -27}, {1270, -81}, {3302, -243}, {12 700, 1161}, {9017, 162},
{6985, 216}, {9271, -162}, {4699, 405}, {20 447, 729}, {4445, -27}, {1270, -81}}

$\frac{27}{128}$ is a relation number with a list {{128, 135}, {896, -81}, {640, 27}, {1, 0}}

$\frac{27}{130}$ is a relation number with a list {{130, 135}, {1, 0}}

$\frac{27}{131}$ is a relation number with a list
{{131, 135}, {524, 27}, {1441, -27}, {1310, -27}, {1703, 27},
{262, 27}, {1048, -81}, {655, -54}, {917, -81}, {3406, -81}, {524, -27}}

$\frac{27}{133}$ is a relation number with a list {{133, 135}, {266, 27}, {532, -27}, {1064, -81},
{1463, -81}, {665, 27}, {1330, -81}, {4522, 243}, {665, 54}, {2261, -162}, {1, 0}}

$\frac{27}{134}$ is a relation number with a list {{134, 135}, {1, 0}}

$\frac{27}{136}$ is a relation number with a list {{136, 135}, {1, 0}}

$\frac{27}{137}$ is a relation number with a list
{{137, 135}, {274, 27}, {548, 27}, {1096, 27}, {1507, -135}, {3014, -81}, {2329, -81},
{2740, -243}, {9179, -729}, {40 826, 3321}, {133 438, 7911}, {143 713, -7533},
{80 282, -3591}, {175 360, -8127}, {470 458, 783}, {17 125, 729}, {49 046, 3213},
{116 587, 3618}, {111 107, -7965}, {55 211, 3105}, {93 023, -3726}, {17 399, -459},
{5891, 189}, {4384, -27}, {1370, 81}, {959, 54}, {1781, -27}, {1, 0}}

$\frac{27}{139}$ is a relation number with a list
{{139, 135}, {556, -27}, {1529, -108}, {2363, 135}, {9313, -675}, {19 043, 1350},
{19 877, -1539}, {18 070, -189}, {10 286, 297}, {15 151, -81}, {556, -27}}

$\frac{27}{140}$ is a relation number with a list {{140, 135}, {1, 0}}

$\frac{27}{142}$ is a relation number with a list
{{142, 135}, {994, 81}, {781, 54}, {3550, 243}, {13 490, -1161},
{31 382, -1107}, {13 703, -216}, {6745, 54}, {710, 27}, {568, -27}, {1, 0}}

$\frac{27}{143}$ is a relation number with a list {{143, 135}, {1144, 81}, {1430, -27}, {1, 0}}

$\frac{27}{145}$ is a relation number with a list {{145, 135}, {290, 27},
{1015, 54}, {1595, -108}, {725, 27}, {580, -27}, {1885, -54}, {1, 0}}

$\frac{27}{146}$ is a relation number with a list {{146, 135}, {803, 54}, {511, 27}, {1, 0}}

$\frac{27}{148}$ is a relation number with a list
{{148, 135}, {1924, -27}, {1036, -27}, {740, 27}, {1628, 135}, {296, 27}, {1, 0}}

$\frac{27}{149}$ is a relation number with a list {{149, 162}, {1937, 81}, {1043, 27}, {1490, 27},
{745, -27}, {1639, -135}, {2831, -108}, {3427, 54}, {3725, -54}, {1, 0}}

$\frac{27}{151}$ is a relation number with a list
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$\frac{27}{152}$ is a relation number with a list {{152, 162}, {760, -27}, {1, 0}}

$\frac{27}{154}$ is a relation number with a list {{154, 162}, {308, 27}, {1, 0}}

$\frac{27}{155}$ is a relation number with a list {{155, 162}, {1085, 27}, {1, 0}}

$\frac{27}{157}$ is a relation number with a list
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{5495, -432}, {18 997, -783}, {32 185, -1161}, {50 711, -864}, {41 605, -297},
{3925, -54}, {2669, 216}, {12 089, 648}, {35 011, 621}, {36 895, 2322}, {40 349, 3213},
{222 940, -6021}, {25 591, 918}, {17 741, -729}, {38 465, -1998}, {78 971, -1323},
{64 213, -2106}, {162 181, 4050}, {28 417, 540}, {31 871, -2565}, {171 287, 9693},
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{38 241 746, -1 039 473}, {34 344 535, -2 181 519}, {87 883 733, -5 118 066},
{137 627 927, 1 192 536}, {76 347 059, 3 411 666}, {202 593 899, 13 016 727},
{890 776 081, -52 145 856}, {674 555 053, 49 546 701}, {2 998 505 477, -43 833 852},
{2 795 155 937, -152 176 266}, {8 789 354 393, 293 046 606}, {320 874 559, 13 678 524},
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{935 489 681, 34 748 541}, {427 185 382, -19 110 789}, {1 059 439 768, -85 247 505},
{5 725 744 156, 401 691 339}, {16 024 269 370, -317 079 387}, {23 044 360 619, -1 738 094 058},
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{243 156 127 451, 4 122 591 660}, {12 054 536 773, -448 051 284}, {6 727 119 515, -226 431 477},
{10 334 492 815, 4 352 589}, {227 105 053, 19 399 662}, {893 469 887, 27 334 206},
{1 343 749 027, 99 251 001}, {7 185 102 959, 481 103 280}, {4 937 059 837, 32 102 163},
{1 047 702 605, 4 948 749}, {224 852 731, -3 574 773}, {56 200 976, 661 473},
{3 803 953, 163 836}, {5 608 825, -321 273}, {23 107 888, 1 221 723}, {16 461 293, 692 253},
{23 986 303, -1 432 863}, {58 461 776, 3 772 899}, {293 321 687, -12 981 141},
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{15 792 902 395, -351 527 526}, {4 056 295 175, 81 047 007}, {619 337 525, 49 657 374},
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{1 573 658 885, 48 974 787}, {1 015 115 057, 7 788 771}, {404 247 839, -28 528 875},
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{2 211 058 789, 159 765 588}, {4 028 532 551, -142 218 720}, {7 286 117 387, 226 138 986},
{7 798 164 095, 635 596 632}, {26 847 708 227, -1 788 008 310}, {4 330 621 589, 55 925 613},
{3 822 853 916, 233 686 053}, {13 168 699 676, 453 816 945}, {1 257 298 547, -104 434 245},
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{5 009 605 769, -198 669 267}, {6 731 232 758, 64 139 607}, {537 878 389, 12 732 012},
{492 019 945, -31 831 596}, {2 283 722 785, 108 087 183}, {2 181 034 894, 90 978 201},
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{755 917 477, 22 990 014}, {432 218 645, 32 766 957}, {980 968 028, 83 367 009},
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{70 630 138 244, -4 256 624 439}, {271 998 923 383, 13 413 648 141},
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{38 624 232 383, -2 998 528 200}, {55 991 572 069, -1 058 141 691},
{14 120 195 978, 1 002 896 343}, {12 504 606 632, 470 141 955}, {29 708 506 021, -2 284 801 101},
{956 398 156, 8 636 139}, {347 483 861, 18 568 710}, {835 495 753, -41 607 810},
{524 309 821, -40 335 138}, {7 374 761, 139 563}, {3 466 246, 144 531}, {392 186, -29 511},
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$\frac{27}{164}$ is a relation number with a list {{164, 162}, {1, 0}}

$\frac{27}{166}$ is a relation number with a list {{166, 162}, {1, 0}}

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{1670, -81}, {5177, 135}, {7849, -297}, {21 209, -1593}, {83 500, 3969},
{25 217, -1728}, {117 401, 3861}, {262 357, 8532}, {356 545, 16 281}, {273 379, 21 411},
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{28 978 174, 314 523}, {7 023 686, 289 305}, {13 421 122, 576 531}, {26 871 803, 700 731},
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{37 570 427, 1 301 751}, {41 300 608, -1 061 235}, {20 050 553, -473 202},
{40 319 801, 975 591}, {73 410 530, -1 629 801}, {15 912 065, 118 476}, {8 308 349, -297 432},
{4 522 063, -133 704}, {5 466 917, -321 192}, {1 523 537, -83 889}, {3 099 515, 158 004},
{13 869 385, -207 306}, {4 606 793, 218 241}, {5 434 628, -2403}, {219 382, 7101},
{171 521, -8289}, {583 492, -28 107}, {1 546 895, 53 028}, {2 080 007, -118 638},
{12 704 233, 206 280}, {19 494 083, 1 028 889}, {12 551 032, -324 837}, {26 932 919, 1 351 242},
{21 049 909, 798 957}, {63 439 183, 3 447 657}, {316 330 753, 6 284 034},
{487 553 137, 1 933 011}, {99 469 585, -2 998 971}, {115 311 118, 6 612 975},
{661 934 347, 31 522 716}, {9 775 781, 50 625}, {1 180 724, 38 529}, {3 131 575, 38 259},
{1 296 827, -45 954}, {2 316 335, 127 629}, {4 353 977, -33 966}, {1 449 341, 82 404},
{7 770 199, 368 361}, {7 927 522, 232 929}, {1 817 344, -12 987}, {191 444, -5481},
{89 539, -1134}, {10 763, -459}, {47 174, 567}, {25 877, -1350}, {51 983, -2700},
{156 407, 8694}, {19 465, 1134}, {42 823, 2187}, {209 993, -5643}, {275 258, 5913},

{607 537, 6912}, {164 651, 9018}, {532 883, -8235}, {547 768, 12 879}, {1 380 641, -19 197},
{353 347, -19 953}, {1 329 803, 22 356}, {2 472 971, -128 790}, {5 945 069, -53 136},
{1 411 327, 20 871}, {1 809 329, -86 265}, {512 044, 13 041}, {788 905, 9909},
{873 635, -3051}, {240 221, 9396}, {933 175, 48 816}, {1 298 659, 1323}, {120 683, -4158},
{23 129, -459}, {40 991, 1215}, {73 051, -2619}, {64 349, 378}, {20 381, 54}, {5267, -54}}

$\frac{27}{230}$ is a relation number with a list {{230, 243}, {2990, -81}, {1610, -81}, {1, 0}}

$\frac{27}{232}$ is a relation number with a list {{232, 243}, {1276, 27}, {1624, 27}, {1, 0}}

$\frac{27}{233}$ is a relation number with a list {{233, 243}, {2330, 81}, {4427, 108}, {1, 0}}

$\frac{27}{235}$ is a relation number with a list {{235, 243}, {1880, -81},
{3995, -216}, {25 145, 1242}, {14 335, 729}, {2303, 27}, {1880, 81}}

$\frac{27}{236}$ is a relation number with a list {{236, 243}, {1652, -81}, {1888, -27}, {1, 0}}

$\frac{27}{238}$ is a relation number with a list {{238, 243}, {595, -27}, {1, 0}}

$\frac{27}{239}$ is a relation number with a list
{{239, 243}, {956, 27}, {2629, -81}, {8843, -378}, {35 611, -1836}, {173 753, -6966},
{94 883, 3429}, {269 831, 3510}, {104 921, 2673}, {161 086, 1917}, {13 862, -675},
{74 807, 756}, {8843, 135}, {16 013, 297}, {5975, -108}, {8365, -297},
{11 711, 459}, {53 297, -1323}, {90 103, -648}, {7409, -27}, {2629, 81}}

$\frac{27}{241}$ is a relation number with a list {{241, 243}, {482, 27}, {964, -27},
{1928, 27}, {2651, -27}, {1205, -27}, {2410, 27}, {1687, 81}, {3374, 135}, {1, 0}}

$\frac{27}{242}$ is a relation number with a list {{242, 243}, {1, 0}}

$\frac{27}{244}$ is a relation number with a list {{244, 243}, {1, 0}}

$\frac{27}{245}$ is a relation number with a list
{{245, 243}, {490, 27}, {980, 27}, {1960, -81}, {3920, 27}, {1, 0}}

$\frac{27}{247}$ is a relation number with a list
{{247, 243}, {988, -27}, {2717, 135}, {4199, -162}, {1, 0}}

$\frac{27}{248}$ is a relation number with a list {{248, 243}, {620, 27}, {1, 0}}

$\frac{27}{250}$ is a relation number with a list {{250, 243}, {1750, 81}, {4000, -189},
{3875, -189}, {5875, -243}, {5375, -189}, {20 750, -189}, {1000, -27}, {1, 0}}

$\frac{27}{251}$ is a relation number with a list
{{251, 243}, {2008, 81}, {4267, -135}, {13 303, -459}, {2008, 81}}

$\frac{27}{253}$ is a relation number with a list {{253, 243}, {2530, -81}, {4807, 27}, {1, 0}}

$\frac{27}{254}$ is a relation number with a list {{254, 243}, {1397, -27}, {889, 27}, {1, 0}}

$\frac{27}{256}$ is a relation number with a list {{256, 243}, {3328, 81},
{896, -27}, {1280, -27}, {2816, -81}, {608, 27}, {832, 27}, {1280, -27}}

$\frac{27}{257}$ is a relation number with a list {{257, 270}, {3341, 108}, {1799, 27}, {2570, 81},
{5654, -27}, {2827, -108}, {4883, -54}, {5911, -216}, {20 303, -54}, {1, 0}}

$\frac{27}{259}$ is a relation number with a list
{{259, 270}, {2849, -135}, {518, 27}, {1295, -27}, {1, 0}}

$\frac{27}{260}$ is a relation number with a list {{260, 270}, {1, 0}}

$\frac{27}{262}$ is a relation number with a list
{{262, 270}, {524, 27}, {1441, -27}, {1310, -27}, {1703, 27}, {1, 0}}

$\frac{27}{263}$ is a relation number with a list {{263, 270}, {1841, 54}, {1315, 27}, {2104, 27},
{526, 27}, {3419, 81}, {4471, 189}, {17 095, -567}, {22 355, 54}, {1, 0}}

$\frac{27}{265}$ is a relation number with a list {{265, 270}, {1, 0}}

$\frac{27}{266}$ is a relation number with a list {{266, 270}, {1, 0}}

$\frac{27}{268}$ is a relation number with a list {{268, 270}, {1, 0}}

$\frac{27}{269}$ is a relation number with a list {{269, 270}, {1, 0}}

known cases

known cases

$\frac{28}{9}$ is a relation number with a list {{9, 28}, {171, 280}, {981, 532}, {747, -140},
{423, 56}, {225, 196}, {261, 140}, {171, -196}, {75, -112}, {333, -28}, {1, 0}}

$\frac{28}{11}$ is a relation number with a list
{{11, 28}, {187, 168}, {209, 252}, {473, -364}, {1199, -952}, {2717, 3360},
{7073, -952}, {4499, 980}, {4411, 448}, {759, 868}, {1199, -392}, {253, 196},
{627, 560}, {737, 532}, {2255, 112}, {165, -28}, {33, -28}, {55, -28}, {1, 0}}

$\frac{28}{13}$ is a relation number with a list {{13, 28}, {195, 56}, {351, -28}, {1, 0}}

$\frac{28}{15}$ is a relation number with a list {{15, 28}, {195, -56}, {135, -28}, {1, 0}}

No answers up to 5000 iterations for $\frac{28}{17}$

$\frac{28}{19}$ is a relation number with a list {{19, 28}, {171, -28}, {57, -28}, {1, 0}}

$\frac{28}{23}$ is a relation number with a list
{{23, 28}, {115, 56}, {69, 28}, {299, -84}, {851, -140}, {253, -140}, {621, 196},
{759, -112}, {575, -224}, {2231, -280}, {207, -112}, {391, 196}, {1, 0}}

$\frac{28}{25}$ is a relation number with a list {{25, 28}, {75, -28}, {225, -56}, {1, 0}}

$\frac{28}{27}$ is a relation number with a list {{27, 28}, {1, 0}}

$\frac{28}{29}$ is a relation number with a list {{29, 28}, {1, 0}}

$\frac{28}{31}$ is a relation number with a list
{{31, 28}, {93, 28}, {279, 112}, {1705, 392}, {4247, 644}, {8091, 1960}, {7781, -2492},
{9455, -392}, {1457, -308}, {2573, 252}, {1643, 392}, {2325, -448}, {2635, 392},
{3379, 56}, {589, 140}, {899, 280}, {1829, 420}, {4619, 504}, {2573, -644}, {93, -28}}

$\frac{28}{33}$ is a relation number with a list {{33, 28}, {165, -56}, {1, 0}}

$\frac{28}{37}$ is a relation number with a list {{37, 28}, {333, 28}, {111, -28}, {1, 0}}

$\frac{28}{39}$ is a relation number with a list
{{39, 28}, {429, -140}, {117, 28}, {195, -28}, {1, 0}}

$\frac{28}{41}$ is a relation number with a list {{41, 28}, {533, 56}, {1107, -28}, {533, 56}}

$\frac{28}{43}$ is a relation number with a list {{43, 56}, {559, 140}, {1, 0}}

$\frac{28}{45}$ is a relation number with a list {{45, 56}, {495, -56}, {1, 0}}

$\frac{28}{47}$ is a relation number with a list
{{47, 56}, {423, -112}, {1175, -336}, {7849, -1764}, {37 271, 5908},
{85 681, 22 456}, {194 721, -11 396}, {46 483, -9464}, {39 339, -476}, {7943, -1288},
{10 105, -336}, {1175, 308}, {2679, -112}, {423, -28}, {141, 28}, {1, 0}}

$\frac{28}{51}$ is a relation number with a list
{{51, 56}, {255, -56}, {1275, 56}, {663, 56}, {153, -28}, {663, 28}, {153, 28}}

$\frac{28}{53}$ is a relation number with a list {{53, 56}, {159, -28}, {477, -28}, {1, 0}}

$\frac{28}{55}$ is a relation number with a list {{55, 56}, {1, 0}}

$\frac{28}{57}$ is a relation number with a list {{57, 56}, {1, 0}}

$\frac{28}{59}$ is a relation number with a list

{{59, 56}, {177, 28}, {531, -112}, {1711, 112}, {1829, -336}, {8791, 1036}, {29 677, 4788}, {55 991, -9800}, {165 731, 27 636}, {5015, -224}, {5133, -1036}, {2773, 588}, {9853, -1960}, {3127, 112}, {531, -56}, {1593, -280}, {5133, -532}, {11 033, -28}, {1, 0}}

$\frac{28}{61}$ is a relation number with a list

{{61, 56}, {305, 56}, {1525, -84}, {793, -28}, {549, 56}, {671, -28}, {1, 0}}

$\frac{28}{65}$ is a relation number with a list {{65, 56}, {585, 112}, {325, 56}, {715, 56}, {1, 0}}

$\frac{28}{67}$ is a relation number with a list

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 {13 199, -1092}, {6365, 1316}, {14 405, 2128}, {32 897, -5096}, {155 507, -16 492},
 {474 293, 84 308}, {2 114 185, -347 396}, {1 997 203, 94 724}, {535 933, 75 292},
 {595 563, 66 724}, {331 851, -32 620}, {378 617, 29 652}, {459 553, -66 164},
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 {11 448 893, 2 110 192}, {60 161 511, -9 469 880}, {223 929 477, 20 595 316},
 {175 472 933, 13 421 296}, {66 737 695, 6 734 672}, {40 804 675, -7 852 824},
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 {606 721 515, 12 742 184}, {328 522 239, -29 969 072}, {76 216 051, 1 284 332},
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 {14 941, -364}, {1139, -112}, {1273, -56}, {1005, -28}, {201, 28}, {335, 56}, {1, 0}}
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$\frac{28}{69}$ is a relation number with a list

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$\frac{28}{71}$ is a relation number with a list

{{71, 84}, {923, -140}, {4047, 364}, {3053, 560}, {17 963, -2744}, {88 395, -14 336},
{168 909, -18 676}, {58 575, -9296}, {198 729, -33 040}, {34 719, -4508},
{95 495, 18 788}, {110 405, -15 792}, {9869, 336}, {8875, -644}, {10 011, -1652},
{7029, -868}, {6035, 252}, {923, -56}, {1917, -196}, {3053, -532},
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$\frac{28}{73}$ is a relation number with a list

{{73, 84}, {803, 28}, {657, -28}, {949, 140}, {2263, 196}, {6497, 644}, {4161, 728},
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{4 201 223, -203 728}, {5 625 745, -232 596}, {3 171 193, 49 364}, {868 481, -60 704},
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{1 987 175 705, -161 562 856}, {3 534 764 609, 408 112 628}, {10 092 180 139, 1 175 563 788},
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$\frac{28}{155}$ is a relation number with a list {{155, 168}, {2015, 168}, {1, 0}}

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$\frac{28}{205}$ is a relation number with a list

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$\frac{28}{207}$ is a relation number with a list {{207, 196}, {759, -28}, {1, 0}}

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{30 353, 392}, {40 391, -952}, {97 273, 392}, {13 623, -476}, {43 259, 2268},
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$\frac{28}{247}$ is a relation number with a list {{247, 252}, {1235, 56}, {741, -28}, {1, 0}}

$\frac{28}{249}$ is a relation number with a list {{249, 252}, {1, 0}}

$\frac{28}{251}$ is a relation number with a list {{251, 252}, {1, 0}}

$\frac{28}{253}$ is a relation number with a list {{253, 252}, {1, 0}}

$\frac{28}{255}$ is a relation number with a list {{255, 252}, {1, 0}}

$\frac{28}{257}$ is a relation number with a list
{{257, 252}, {1285, -56}, {771, 28}, {3341, 84}, {4883, 224}, {11 565, 392}, {50 115, -2464}, {214 595, -1988}, {28 013, 1232}, {83 011, -84}, {4883, 224}}

$\frac{28}{261}$ is a relation number with a list {{261, 252}, {1, 0}}

$\frac{28}{263}$ is a relation number with a list
{{263, 252}, {2893, 56}, {4997, 168}, {11 309, 364}, {6575, -168}, {6049, 252}, {1, 0}}

$\frac{28}{265}$ is a relation number with a list
{{265, 252}, {3445, 168}, {21 995, -364}, {8215, -196}, {4505, 56}, {1325, 28}, {2385, 112}, {8745, 112}, {2385, -56}, {6095, 28}, {2385, -112}}

$\frac{28}{267}$ is a relation number with a list {{267, 280}, {3471, -140}, {7743, 28}, {1157, 56}, {5073, -56}, {6141, 140}, {5073, -140}, {2937, -140}, {1, 0}}

$\frac{28}{269}$ is a relation number with a list {{269, 280}, {2959, 140}, {5111, -112}, {11 029, 280}, {29 321, -980}, {21 251, 392}, {22 327, 868}, {64 829, 2688}, {85 273, 4116}, {312 847, -28}, {807, 28}, {1345, 28}, {1, 0}}

$\frac{28}{271}$ is a relation number with a list {{271, 280}, {2439, -28}, {813, -28}, {1, 0}}

$\frac{28}{275}$ is a relation number with a list {{275, 280}, {1, 0}}

$\frac{28}{277}$ is a relation number with a list

{{277, 280}, {831, -28}, {2493, -56}, {7479, -364}, {45 705, -812}, {64 541, -3108}, {201 379, 5964}, {386 969, -9156}, {669 509, -32 200}, {1 853 407, -73 304}, {5 763 539, 85 652}, {6 884 835, 63 644}, {3 125 391, -62 356}, {2 102 707, -56 224}, {6 210 063, 119 252}, {2 481 643, -79 660}, {3 374 691, 107 240}, {13 919 527, 157 892}, {6 933 587, 282 268}, {34 102 301, 1 096 536}, {30 382 745, -306 348}, {15 039 161, 273 028}, {6 266 017, 255 584}, {34 232 491, -1 590 288}, {208 815 065, -2 751 084}, {74 047 363, -1 412 796}, {161 205 967, -259 980}, {5 087 659, -15 820}, {1 767 537, -84 560}, {2 277 771, -61 768}, {2 117 665, -15 064}, {1 761 443, 77 532}, {6 036 661, -119 224}, {12 122 351, -59 780}, {3 597 953, -170 772}, {3 252 257, 35 868}, {3 249 487, -81 396}, {1 759 781, -44 576}, {5 904 809, 186 844}, {20 553 123, 183 512}, {61 217, 1596}, {157 613, -4004}, {403 589, -7616}, {16 343, 28}, {2493, 56}}

$\frac{28}{279}$ is a relation number with a list {{279, 280}, {1, 0}}

known cases

known cases

known cases

known cases

known cases

known cases

$\frac{29}{8}$ is a relation number with a list

{{8, 29}, {168, 377}, {1672, 3045}, {10 984, 15 457}, {35 784, 6061}, {2328, 1073}, {364, -493}, {1032, 203}, {136, 145}, {18, -29}, {88, -87}, {1, 0}}

$\frac{29}{9}$ is a relation number with a list

{{9, 29}, {180, 319}, {1251, 1160}, {819, -116}, {63, -29}, {45, 29}, {117, 116}, {1, 0}}

$\frac{29}{10}$ is a relation number with a list {{10, 29}, {190, 261}, {710, -551}, {1590, -899}, {1040, 1479}, {4390, -2059}, {1360, 1537}, {1770, 29}, {1, 0}}

$\frac{29}{11}$ is a relation number with a list

{{11, 29}, {198, 203}, {55, -58}, {33, 29}, {44, -29}, {154, -87}, {220, -203}, {187, 232}, {495, 58}, {297, 145}, {77, -29}, {110, 29}, {66, 29}, {88, 87}, {1, 0}}

$\frac{29}{12}$ is a relation number with a list {{12, 29}, {204, 145}, {708, 29}, {1, 0}}

$\frac{29}{13}$ is a relation number with a list

{{13, 29}, {208, 87}, {442, 145}, {91, 58}, {325, -29}, {78, -29}, {117, 116}, {1, 0}}

$\frac{29}{14}$ is a relation number with a list {{14, 29}, {210, 29}, {1, 0}}

$\frac{29}{15}$ is a relation number with a list {{15, 29}, {210, -29}, {105, -29}, {165, 116}, {735, 319}, {1455, -841}, {3405, -551}, {495, 116}, {465, -58}, {1, 0}}

$\frac{29}{16}$ is a relation number with a list {{16, 29}, {208, -87}, {272, -203}, {552, 377}, {2800, 957}, {1136, -899}, {1896, -319}, {72, -29}, {112, -29}, {1, 0}}

No answers up to 5000 iterations for $\frac{29}{17}$

$\frac{29}{18}$ is a relation number with a list
{{18, 29}, {99, 58}, {153, -29}, {72, -29}, {63, -29}, {45, 29}, {234, -145}, {504, -319}, {603, 464}, {1251, 145}, {54, 29}, {36, 29}, {42, -29}, {234, -145}}

$\frac{29}{19}$ is a relation number with a list {{19, 29}, {190, 29}, {247, -174}, {1387, 928}, {8721, 4321}, {1501, -377}, {133, 58}, {323, 116}, {475, -29}, {209, 87}, {665, -377}, {1691, -580}, {931, -348}, {2147, 58}, {1, 0}}

$\frac{29}{20}$ is a relation number with a list {{20, 29}, {90, -29}, {60, 29}, {1, 0}}

$\frac{29}{21}$ is a relation number with a list
{{21, 29}, {56, 29}, {42, 29}, {273, -145}, {119, 29}, {1, 0}}

$\frac{29}{22}$ is a relation number with a list {{22, 29}, {154, -29}, {99, -58}, {374, -203}, {352, -87}, {44, 29}, {154, 87}, {220, -87}, {451, -232}, {143, -87}, {341, 58}, {77, -29}, {110, 29}, {66, 29}, {88, -29}, {1, 0}}

$\frac{29}{23}$ is a relation number with a list {{23, 29}, {138, 29}, {161, -58}, {299, -174}, {1127, -261}, {1909, -1189}, {10 787, 145}, {1311, 29}, {138, -29}}

$\frac{29}{24}$ is a relation number with a list {{24, 29}, {120, 29}, {1, 0}}

$\frac{29}{25}$ is a relation number with a list {{25, 29}, {100, -29}, {325, 29}, {150, 29}, {1, 0}}

$\frac{29}{26}$ is a relation number with a list {{26, 29}, {78, 29}, {234, 29}, {1, 0}}

$\frac{29}{27}$ is a relation number with a list
{{27, 29}, {54, 29}, {108, 29}, {72, -29}, {378, 29}, {1, 0}}

$\frac{29}{28}$ is a relation number with a list {{28, 29}, {1, 0}}

$\frac{29}{30}$ is a relation number with a list {{30, 29}, {1, 0}}

$\frac{29}{31}$ is a relation number with a list
{{31, 29}, {62, 29}, {124, -29}, {248, 29}, {403, -145}, {992, -145}, {713, -174}, {527, 29}, {155, 29}, {310, 29}, {279, -116}, {1457, 493}, {682, 29}, {434, -87}, {1, 0}}

$\frac{29}{32}$ is a relation number with a list {{32, 29}, {96, -29}, {72, 29}, {112, 29}, {1, 0}}

$\frac{29}{33}$ is a relation number with a list {{33, 29}, {132, 29},
{143, 58}, {297, 116}, {561, 203}, {176, 29}, {66, 29}, {264, 29}, {1, 0}}

$\frac{29}{34}$ is a relation number with a list {{34, 29}, {170, -29}, {68, 29}, {85, 29}, {1, 0}}

$\frac{29}{35}$ is a relation number with a list {{35, 29}, {210, -29}, {1, 0}}

$\frac{29}{36}$ is a relation number with a list {{36, 29}, {252, 29}, {1, 0}}

$\frac{29}{37}$ is a relation number with a list {{37, 29}, {296, -87}, {1295, -174},
{2849, 261}, {814, -87}, {1147, 377}, {592, 29}, {444, 29}, {333, 29}, {518, -145},
{2294, -29}, {111, -29}, {185, 58}, {407, -87}, {1036, -29}, {296, -87}}

$\frac{29}{38}$ is a relation number with a list {{38, 29}, {171, 29}, {114, 29}, {1, 0}}

$\frac{29}{39}$ is a relation number with a list {{39, 29}, {390, -29}, {1, 0}}

$\frac{29}{40}$ is a relation number with a list {{40, 29}, {110, -29}, {120, -29}, {1, 0}}

$\frac{29}{41}$ is a relation number with a list
{{41, 29}, {492, 145}, {2337, -667}, {13 571, -1450}, {21 361, 986},
{13 571, -2030}, {26 199, 9106}, {45 879, 16 066}, {95 079, 13 804},
{63 509, 18 009}, {349 607, 3480}, {65 887, 2871}, {5986, 841}, {4059, 29}, {1, 0}}

$\frac{29}{42}$ is a relation number with a list {{42, 29}, {182, 29}, {168, 29}, {1, 0}}

$\frac{29}{43}$ is a relation number with a list
{{43, 29}, {602, 29}, {301, -29}, {473, 29}, {387, -58}, {817, -261}, {1462, -377},
{1978, 203}, {2236, 319}, {129, -29}, {559, -116}, {903, 116}, {1075, 87},
{1333, 145}, {1204, -261}, {4343, -493}, {4042, -609}, {9503, 551}, {5848, 29},
{430, -87}, {215, -29}, {516, 145}, {2752, -667}, {3612, 551}, {10 535, -2378},
{43 989, -13 253}, {181 890, 43 471}, {344 258, 11 861}, {12 427, -1218},
{10 621, -2233}, {23 392, 1363}, {9503, 928}, {9589, 1102}, {14 147, 319},
{4773, 841}, {11 739, 3422}, {63 339, 18 995}, {273 222, 79 721}, {1 464 537, 464 870},
{3 006 861, -289 420}, {4 844 423, 623 616}, {6 213 715, -1 671 618}, {20 328 551, 3 329 809},
{15 036 971, 1 204 805}, {24 910 373, 1 406 558}, {17 529 853, -1 369 699},
{11 878 062, 2 821 555}, {25 449 206, 1 182 939}, {24 744 436, -802 053},
{5 125 901, -81 751}, {1 049 716, -24 447}, {1505, 87}, {1118, -29}, {559, 116}}

$\frac{29}{44}$ is a relation number with a list
{{44, 58}, {154, -29}, {396, 29}, {110, -29}, {132, 29}, {572, -145}, {88, 29}, {1, 0}}

$\frac{29}{45}$ is a relation number with a list {{45, 58}, {585, 29}, {1, 0}}

$\frac{29}{46}$ is a relation number with a list
{{46, 58}, {138, 29}, {322, 87}, {299, -58}, {207, -29}, {92, 29}, {230, 29}, {1, 0}}

$\frac{29}{47}$ is a relation number with a list

{{47, 58}, {517, 145}, {2961, 493}, {141, 29}, {188, 29}, {658, 145}, {3149, 957},
{13 066, -3393}, {23 782, -1943}, {21 902, 3277}, {48 739, -3654}, {58 139, 7627},
{135 219, -24 737}, {542 098, -159 181}, {3 034 085, 6873}, {145 324, -35 641},
{129 720, 5713}, {78 913, 23 635}, {376 376, -50 315}, {1 136 037, -261 928},
{4 151 275, 496 509}, {8 422 541, 2 548 375}, {36 538 552, 7 048 305}, {60 960 269, -7 253 712},
{137 736 931, -977 996}, {160 505, -12 354}, {4559, 1160}, {3807, -493}, {6439, -667},
{10 857, -2146}, {5969, -1421}, {13 395, -667}, {2585, 551}, {7990, -1247},
{23 876, 319}, {2303, 638}, {11 703, -1102}, {19 693, 3190}, {25 991, 5597},
{93 718, 26 071}, {496 602, 319}, {3807, -899}, {9917, 580}, {2679, 812},
{11 421, 2929}, {13 865, -783}, {10 763, -3045}, {66 599, 19 836}, {333 277, -95 903},
{2 141 696, -543 025}, {1 428 988, -47 589}, {61 946, 18 415}, {314 947, 88 189},
{1 777 023, 240 961}, {4 243 912, 850 831}, {481 421, 112 288}, {1 516 643, -337 270},
{7 875 461, -1 273 709}, {10 960 729, 1 002 704}, {3 243 705, 907 352}, {18 128 041, 2 096 004},
{34 591 765, 8 207 087}, {82 880 599, -23 379 655}, {499 986 987, -135 166 651},
{1 911 941 999, 454 288 132}, {4 455 105 137, -639 615 068}, {22 200 339, -4 194 763},
{57 646 628, 16 261 315}, {347 735 704, 93 959 507}, {1 320 809 228, -341 259 849},
{2 078 817 896, -635 560 433}, {8 090 420 059, 80 427 527}, {1 539 727 896, 20 085 719},
{323 005 949, 52 478 922}, {382 223 599, 108 108 404}, {2 359 870 799, -712 823 509},
{10 405 812 784, -1 399 665 483}, {28 583 256 941, 4 761 633 047}, {632 556 973, 154 216 606},
{737 455 803, -32 234 254}, {184 805 833, 32 631 235}, {516 134 119, 58 660 620},
{555 138 667, -16 790 188}, {49 935 761, 11 958 266}, {98 826 759, 13 234 585},
{290 679 208, 83 959 727}, {1 823 601 269, -554 695 963}, {7 497 128 860, 1 684 617 859},
{35 656 898 928, -8 827 221 811}, {16 356 549 148, -1 093 532 841}, {2 182 842 949, 215 342 893},
{1 382 458 893, -114 962 641}, {136 638 447, -7 479 071}, {94 712 943, -876 931},
{206 565, -47 792}, {723 659, -13 659}, {12 596, -3103}, {8648, -1769}, {9259, -2552},
{44 603, 9860}, {220 759, -54 781}, {76 845, -14 297}, {251 920, -50 199},
{43 475, 1247}, {7990, 551}, {12 925, -1972}, {41 313, -9280}, {197 071, 50 228},
{180 527, -21 547}, {383 097, -67 193}, {942 867, 249 226}, {2 539 739, -744 111},
{14 448 082, 685 879}, {2 097 281, -115 362}, {975 955, -2349}, {52 640, -12 963},
{37 036, 7743}, {78 913, -23 084}, {454 067, 35 728}, {488 659, 129 862},
{1 447 083, 146 653}, {914 009, -125 135}, {1 789 008, -362 065}, {1 001 899, -292 349},
{5 868 044, 742 429}, {3 355 236, 300 121}, {2 533 535, 36 482}, {765 019, -173 478},
{3 342 029, 94 946}, {889 193, 73 254}, {476 815, -87 522}, {1 842 635, 434 246},
{4 965 597, -1 037 591}, {10 450 826, -2 820 279}, {39 023 630, -11 917 347},
{153 764 683, 9 141 177}, {76 860 322, -2 815 233}, {39 904 457, -9 206 456},
{144 695 751, 13 698 353}, {281 348 204, 50 568 721}, {1 037 013 734, 182 708 265},
{2 784 085 232, 1 910 665}, {246 327, -65 192}, {678 727, 132 501}, {762 434, 111 853},
{965 239, 103 066}, {1 769 315, 477 282}, {6 571 211, 1 895 208}, {41 622 589, 12 028 707},
{260 213 996, -76 881 059}, {1 389 828 493, -183 194 769}, {3 559 293 973, -174 486 301},
{3 269 693 791, -130 973 599}, {218 370 648, -42 250 303}, {334 599 251, 78 784 329},
{914 710 945, -247 909 342}, {3 615 541 881, 497 407 739}, {6 283 322 276, 116 502 541},
{367 302 086, -36 422 579}, {144 585 912, -16 822 117}, {320 217 627, 315 143},
{1 519 933, -193 575}, {1 347 349, -46 748}, {392 121, 19 633}, {25 333, -522},
{11 515, 3219}, {63 967, 6583}, {87 561, 14 761}, {47 235, 5713}, {71 957, 2117},
{987, -232}, {2773, -638}, {10 387, 2059}, {4324, 725}, {1222, -145}, {2914, 377},
{4794, 29}, {423, 58}, {799, -232}, {4841, 1044}, {17 813, -5104}, {117 547, -22 301},
{283 974, 3161}, {24 252, 1073}, {20 069, -899}, {13 677, -58}, {517, -145}}

$\frac{29}{48}$ is a relation number with a list {{48, 58}, {120, 29}, {1, 0}}

$\frac{29}{49}$ is a relation number with a list {{49, 58}, {441, 29}, {294, 29}, {196, 29}, {1, 0}}

$\frac{29}{50}$ is a relation number with a list
{{50, 58}, {100, 29}, {325, -29}, {150, -29}, {1, 0}}

$\frac{29}{51}$ is a relation number with a list {{51, 58}, {119, 29}, {1, 0}}

$\frac{29}{52}$ is a relation number with a list {{52, 58}, {156, -29}, {572, 87}, {481, -58},
{442, -29}, {364, -87}, {208, 29}, {130, 29}, {182, -29}, {104, 29}, {156, -29}}

$\frac{29}{53}$ is a relation number with a list
{{53, 58}, {265, -29}, {212, -29}, {477, 29}, {689, 29}, {371, 87}, {1219, -58}, {1, 0}}

$\frac{29}{54}$ is a relation number with a list {{54, 58}, {1, 0}}

$\frac{29}{55}$ is a relation number with a list
{{55, 58}, {165, 29}, {495, -29}, {110, 29}, {330, -29}, {1, 0}}

$\frac{29}{56}$ is a relation number with a list {{56, 58}, {1, 0}}

$\frac{29}{57}$ is a relation number with a list {{57, 58}, {1, 0}}

$\frac{29}{59}$ is a relation number with a list {{59, 58}, {1, 0}}

$\frac{29}{60}$ is a relation number with a list {{60, 58}, {1, 0}}

$\frac{29}{61}$ is a relation number with a list {{61, 58}, {183, -29},
{549, 58}, {1647, -377}, {8479, 1189}, {9516, 145}, {3294, 551}, {732, 145},
{427, -87}, {488, -29}, {305, 29}, {854, -145}, {976, 29}, {610, -29}, {1, 0}}

$\frac{29}{62}$ is a relation number with a list {{62, 58}, {1, 0}}

$\frac{29}{63}$ is a relation number with a list {{63, 58}, {315, 29}, {252, 29}, {1, 0}}

$\frac{29}{64}$ is a relation number with a list {{64, 58}, {192, 29}, {352, 29}, {1, 0}}

$\frac{29}{65}$ is a relation number with a list {{65, 58}, {455, -87}, {260, 29}, {1, 0}}

$\frac{29}{66}$ is a relation number with a list {{66, 58}, {132, 29}, {858, -29}, {132, 29}}

$\frac{29}{67}$ is a relation number with a list

{{67, 58}, {603, -29}, {402, 29}, {268, 29}, {469, -87}, {2278, 87}, {1072, -203},
{3819, -377}, {3283, 319}, {6231, -203}, {4154, -783}, {16 013, 2987}, {72 226, 12 557},
{208 772, -28 043}, {835 557, -70 586}, {768 825, 70 412}, {382 369, 81 983},
{1 845 582, 98 977}, {2 343 727, 469 684}, {314 431, -30 421}, {684 807, 36 656},
{781 019, -89 581}, {1 689 070, 153 207}, {254 131, 35 148}, {542 365, 7366},
{182 173, -20 416}, {105 257, 1102}, {35 845, 3741}, {104 855, 21 663}, {231 820, -46 661},
{99 495, -17 458}, {351 951, -49 010}, {595 027, 64 467}, {993 208, 20 329},
{195 171, -10 411}, {176 746, 9019}, {243 478, 28 043}, {596 903, -70 354},
{2 282 757, 226 577}, {1 138 129, -90 654}, {2 704 991, 219 733}, {4 569 065, 878 526},
{11 821 145, -2 538 138}, {58 259 515, -6 462 389}, {6 566 938, -934 351},
{1 774 227, 370 301}, {5 177 626, -158 485}, {3 509 393, -14 442}, {871, -145}, {1, 0}}

$\frac{29}{68}$ is a relation number with a list {{68, 58}, {170, -29}, {1, 0}}

$\frac{29}{69}$ is a relation number with a list

{{69, 58}, {759, -145}, {2346, -145}, {1794, -203}, {759, -116},
{3657, 319}, {10 212, 551}, {17 733, -754}, {8349, -203}, {1794, 319},
{2760, -377}, {8349, -1450}, {8073, -580}, {3243, 493},
{4784, 725}, {6693, 203}, {138, 29}, {483, 29}, {690, 29}, {138, 29}}

$\frac{29}{70}$ is a relation number with a list {{70, 58}, {210, -29}, {1, 0}}

$\frac{29}{71}$ is a relation number with a list

{{71, 58}, {923, -29}, {355, 29}, {497, 29}, {284, -29}, {426, -29}, {639, -29}, {1, 0}}

$\frac{29}{72}$ is a relation number with a list {{72, 58}, {252, 29}, {1, 0}}

$\frac{29}{73}$ is a relation number with a list

{{73, 87}, {1022, 145}, {511, 29}, {803, 116}, {657, -116}, {2847, 551}, {6716, 203},
{1241, 29}, {438, -29}, {219, -29}, {949, -145}, {4818, -899}, {23 579, -58},
{1971, 319}, {4161, 145}, {3212, -377}, {13 213, 1276}, {33 069, 1189}, {16 279, -2726},
{5621, 261}, {8833, -1508}, {15 695, -2146}, {49 129, -522}, {4453, 812},
{28 689, 2291}, {79 862, -8613}, {171 185, -16 704}, {302 585, -17 342}, {567 283, 86 188},
{2 630 409, -21 982}, {542 463, 96 193}, {2 532 735, 20 996}, {568 013, 46 835},
{437 489, -56 985}, {1 342 543, -106 807}, {3 354 204, -198 041}, {911 989, -34 887},
{359 671, 25 143}, {559 837, 56 231}, {180 529, -16 994}, {467 565, -59 653},
{705 107, -127 107}, {4 200 055, -732 279}, {14 134 187, -2 693 143}, {48 798 456, -2 742 559},
{41 435 238, 2 679 919}, {90 261 069, 16 348 402}, {571 542 039, -58 178 611},
{747 817 183, 87 945 777}, {3 189 721 130, -84 294 271}, {982 665 264, -92 500 169},
{2 543 071 435, -319 316 448}, {836 590 877, 45 998 234}, {629 454 545, 107 126 377},
{971 171 341, -104 069 661}, {2 521 740 616, 417 213 691}, {1 347 468 310, -55 251 467},
{1 564 616 446, -303 997 343}, {3 257 970 363, -189 348 656}, {2 850 154 403, -235 414 460},
{1 838 204 459, 340 638 988}, {9 855 694 887, 1 374 989 818}, {16 845 929 753, -9 023 321},
{44 570 442, 3 577 991}, {119 322 150, -23 218 357}, {235 816 645, -8 689 531},
{87 549 484, -8 296 987}, {271 368 229, -41 142 851}, {1 214 116 144, 109 507 451},
{695 995 359, -24 203 980}, {432 164 453, 50 072 850}, {1 349 857 381, 98 394 941},
{2 020 040 889, 39 507 280}, {377 381 457, 35 576 881}, {1 019 389 082, -167 335 597},

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{1 122 411 500, -176 482 081}, {4 636 888 022, 11 167 929}, {160 416 551, -13 193 782},
{152 655 191, 7 155 402}, {174 597 677, -32 541 422}, {868 011 391, 38 261 295},
{875 882 762, -9 447 127}, {197 103 577, -15 072 518}, {84 741 539, 10 632 937},
{23 502 861, -1 253 902}, {23 453 221, -1 635 484}, {40 620 485, -6 431 997},
{148 080 719, 1 076 915}, {38 949 223, -1 249 900}, {14 769 579, 2 635 172},
{76 026 069, -11 154 734}, {150 166 037, -20 874 432}, {295 285 949, 1 136 365},
{12 333 423, 338 198}, {11 555 535, 1 735 679}, {43 377 914, -6 078 313},
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$\frac{29}{86}$ is a relation number with a list {{86, 87}, {1, 0}}

$\frac{29}{88}$ is a relation number with a list {{88, 87}, {1, 0}}

$\frac{29}{89}$ is a relation number with a list {{89, 87}, {178, 29}, {356, 29}, {712, 29},
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$\frac{29}{93}$ is a relation number with a list
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$\frac{29}{94}$ is a relation number with a list
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$\frac{29}{95}$ is a relation number with a list
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$\frac{29}{113}$ is a relation number with a list
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{{122, 116}, {366, 29}, {1342, -29}, {488, -29}, {305, 29}, {427, 29}, {488, -29}}

$\frac{29}{123}$ is a relation number with a list
{{123, 116}, {861, 58}, {369, -29}, {328, 29}, {369, -29}}

$\frac{29}{124}$ is a relation number with a list {{124, 116}, {1, 0}}

$\frac{29}{125}$ is a relation number with a list {{125, 116}, {1125, -116}, {875, 58}, {1, 0}}

$\frac{29}{126}$ is a relation number with a list {{126, 116}, {315, 29}, {252, 29}, {1, 0}}

$\frac{29}{127}$ is a relation number with a list
{{127, 116}, {1397, 58}, {635, -29}, {381, 29}, {508, -29}, {1778, 29}, {1143, 29},
{1524, -145}, {9017, -116}, {3937, 348}, {13 843, -58}, {2413, 203}, {2921, 232},
{12 065, 841}, {36 957, -2900}, {94 361, 2001}, {39 878, -841}, {44 577, -5017},
{73 152, 2407}, {119 634, 5191}, {30 607, 2291}, {104 648, 4205}, {60 579, 5452},
{77 089, 5887}, {70 866, 3277}, {155 956, 11 165}, {44 958, -1247}, {8382, 493}, {1, 0}}

$\frac{29}{128}$ is a relation number with a list
{{128, 116}, {384, -29}, {448, -29}, {832, 29}, {576, -29}, {1, 0}}

$\frac{29}{129}$ is a relation number with a list
{{129, 116}, {1677, -116}, {6837, 406}, {8385, 406}, {2021, 87},
{2580, 203}, {2537, -174}, {9417, -841}, {21 414, 2233}, {118 164, 4147},
{88 064, 145}, {6321, 232}, {2451, 58}, {645, 29}, {301, 29},
{473, -29}, {387, -29}, {1290, 29}, {602, 29}, {301, -29}}

$\frac{29}{130}$ is a relation number with a list {{130, 116}, {910, 29}, {715, -29}, {1, 0}}

$\frac{29}{131}$ is a relation number with a list {{131, 145}, {1834, 87}, {917, 29},
{1441, 29}, {1179, 116}, {2489, -232}, {8253, -667}, {32 619, -725},
{786, -29}, {393, 29}, {1703, -29}, {1048, 87}, {524, 29}, {262, 29}, {1, 0}}

$\frac{29}{132}$ is a relation number with a list {{132, 145}, {572, 29}, {264, 29}, {1, 0}}

$\frac{29}{133}$ is a relation number with a list {{133, 145}, {1596, -145}, {1, 0}}

$\frac{29}{134}$ is a relation number with a list {{134, 145}, {1474, 29},
{670, 29}, {402, -29}, {268, 29}, {938, 29}, {335, 29}, {871, -58}, {1, 0}}

$\frac{29}{135}$ is a relation number with a list {{135, 145}, {270, 29}, {1, 0}}

$\frac{29}{136}$ is a relation number with a list
{{136, 145}, {306, 29}, {884, -87}, {952, -29}, {680, 29}, {884, 87}}

$\frac{29}{137}$ is a relation number with a list
{{137, 145}, {1096, 87}, {4795, 261}, {13 289, -812}, {40 689, 725},
{12 193, 1247}, {37 949, -2146}, {93 023, -1363}, {46 443, 58},
{2055, -116}, {4521, -377}, {411, -29}, {685, -58}, {1507, -29}, {1, 0}}

$\frac{29}{138}$ is a relation number with a list {{138, 145}, {322, 29}, {1, 0}}

$\frac{29}{139}$ is a relation number with a list {{139, 145}, {834, 29}, {973, 29},
{1807, 116}, {6811, -493}, {12 649, -87}, {4726, -261}, {3892, 261}, {3197, -261},
{9035, -464}, {30 441, -986}, {17 375, -696}, {3475, 319}, {4726, 29}, {1, 0}}

$\frac{29}{140}$ is a relation number with a list {{140, 145}, {1, 0}}

$\frac{29}{141}$ is a relation number with a list {{141, 145}, {564, -29}, {1833, 58},
{1081, -58}, {329, 29}, {1410, 29}, {1551, 58}, {705, 29}, {423, -29}, {564, -29}}

$\frac{29}{142}$ is a relation number with a list {{142, 145}, {426, 29}, {639, 29}, {1, 0}}

$\frac{29}{143}$ is a relation number with a list
{{143, 145}, {286, 29}, {572, 29}, {1144, 29}, {1, 0}}

$\frac{29}{144}$ is a relation number with a list {{144, 145}, {1, 0}}

$\frac{29}{146}$ is a relation number with a list {{146, 145}, {1, 0}}

$\frac{29}{147}$ is a relation number with a list
{{147, 145}, {294, 29}, {588, -29}, {392, -29}, {294, 29}}

$\frac{29}{148}$ is a relation number with a list
{{148, 145}, {444, -29}, {333, -29}, {1036, 87}, {296, 29}, {444, -29}}

$\frac{29}{149}$ is a relation number with a list {{149, 145}, {596, 29},
{1937, -174}, {3427, 87}, {5066, 145}, {1341, 58}, {1043, -87}, {1, 0}}

$\frac{29}{150}$ is a relation number with a list {{150, 145}, {1, 0}}

$\frac{29}{151}$ is a relation number with a list
{{151, 145}, {906, -29}, {1057, 87}, {1963, -58}, {1359, -116}, {4983, 290},
{8003, 754}, {43 941, -4147}, {253 076, -5655}, {211 249, 1914}, {107 059, 1160},
{51 189, -1798}, {127 595, -1943}, {97 093, -4959}, {315 137, 22 533}, {49 075, -58},
{1057, -29}, {1963, 145}, {10 117, -522}, {30 049, 1972}, {70 819, -1450},
{34 881, -2117}, {152 359, 2204}, {42 733, -3683}, {220 913, 4582}, {147 527, 11 890},
{731 897, -31 929}, {372 970, 22 069}, {332 653, -10 295}, {485 163, 29 464},
{2 074 589, 66 323}, {2 804 976, -220 603}, {9 492 313, 496 567}, {8 688 540, -108 083},
{6 326 900, -524 233}, {5 451 704, 414 033}, {10 460 525, 240 758}, {16 297 581, -1 205 530},
{87 555 689, -2 933 611}, {68 348 791, -3 328 765}, {234 846 374, 6 511 109},
{67 413 950, -798 341}, {53 349 206, 2 400 997}, {79 618 072, -4 430 765}, {20 490 398, 54 375},
{1 355 527, 120 031}, {5 313 086, -242 411}, {3 013 356, 144 449}, {3 031 023, -273 470},
{3 450 803, -204 276}, {3 305 239, -258 593}, {8 526 970, -255 577}, {14 032 279, -862 953},
{33 979 681, 212 077}, {7 151 511, 433 840}, {31 720 721, -1 502 809}, {24 421 532, -1 793 215},
{103 205 178, -6 716 603}, {370 876 083, -17 017 055}, {528 368 177, 32 708 230},
{760 511 047, -27 043 312}, {498 044 961, 29 453 705}, {402 871 624, -37 265 783},
{1 064 850 339, -99 081 835}, {3 782 526 746, -293 999 129}, {5 958 751 581, -237 575 482},
{2 924 044 181, 66 671 754}, {1 436 462 245, -135 868 074}, {8 771 071 919, 301 953 162},
{2 178 963 371, -19 001 119}, {930 962 414, 8 463 273}, {359 984, -24 737},
{1 671 721, -117 421}, {4 201 877, 23 055}, {885 917, 78 445}, {3 476 322, -172 289},
{4 611 842, -329 817}, {844 996, -18 821}, {294 299, 15 921}, {1 165 871, -58 928},
{1 916 039, 66 584}, {2 249 447, -117 885}, {1 454 432, 76 357}, {550 999, -4582},
{175 009, 13 949}, {955 528, -87 667}, {1 330 159, -46 255}, {1 696 636, 141 781},
{715 136, 16 733}, {661 833, 15 457}, {425 518, 35 931}, {853 754, -14 703},

{147 980, -3393}, {198 112, 17 719}, {483 653, -18 154}, {982 255, -88 421},
{1 453 224, 45 037}, {1 818 040, 166 547}, {2 110 527, -17 951}, {1 161 341, 34 133},
{123 669, 116}, {1963, 174}, {7399, 696}, {38 807, -754}, {53 303, -1247},
{48 018, 3857}, {261 834, -21 025}, {1 439 634, -133 429}, {4 240 835, -213 846},
{5 448 835, -149 669}, {9 173 401, 303 108}, {12 104 311, -724 072}, {30 941 863, 2 370 286},
{19 349 895, 1 157 506}, {49 483 757, -3 720 352}, {168 996 331, -10 016 919},
{194 985 092, 14 656 049}, {672 924 705, 16 031 084}, {57 504 273, -2 086 811},
{139 891 685, -7 290 919}, {205 997 824, 6 821 119}, {206 002 354, 1 341 453},
{87 792 608, -229 419}, {11 305 219, -96 947}, {5 674 580, 471 337}, {2 798 936, 216 079},
{1 523 741, -145 000}, {10 760 109, -836 621}, {17 510 564, -1 462 557}, {6 058 120, -215 093},
{5 362 916, 479 805}, {12 844 211, 914 254}, {6 742 905, -512 111}, {12 904 762, -498 423},
{8 189 636, -234 639}, {3 432 079, -163 125}, {974 554, 74 037}, {1 823 023, -24 157},
{1 698 448, -59 595}, {4 497 988, -360 325}, {26 287 288, 1 124 997}, {62 265 907, 2 457 605},
{124 693 082, 11 883 185}, {885 046 032, -75 372 073}, {2 932 245 444, 118 253 503},
{3 637 911 781, 309 187 821}, {10 923 652 721, -533 119 673}, {39 450 148 411, 2 840 633 636},
{48 127 096 443, -3 759 873 374}, {113 439 870 269, 1 292 785 548},
{49 113 951 205, 2 871 476 847}, {45 125 565 706, 268 035 197}, {14 443 544 110, -1 135 570 603},
{48 149 933 079, -4 228 263 626}, {247 494 012 143, -20 552 293 765},
{130 839 531 413, 12 490 760 433}, {895 720 989 533, -6 179 914 094},
{55 349 668 647, -2 279 027 350}, {98 604 849 297, -3 260 736 916},
{118 194 014 367, 7 018 004 930}, {167 922 485 893, 4 531 712 521},
{37 617 515 016, -2 044 216 409}, {124 064 567 754, 1 073 931 799},
{77 239 660 430, 1 011 475 021}, {55 501 383 934, 3 503 841 567}, {84 572 251 838, 6 917 572 449},
{235 768 749 950, 3 111 345 649}, {104 721 425 474, -7 235 770 541},
{516 516 322 900, -1 417 861 591}, {62 620 270 176, 2 378 270 831},
{118 569 514 070, -5 227 160 999}, {249 933 524 957, 21 293 658 001},
{844 146 029 305, 27 072 853 749}, {738 022 025 986, -22 439 639 227},
{375 396 344 255, -125 849 038}, {1 711 750 949, -64 113 780}, {2 917 487 761, 155 873 057},
{6 659 148 622, -516 463 523}, {8 286 453 727, 5 523 456}, {191 728 777, -12 866 053},
{190 564 718, 3 052 337}, {199 293 424, 1 604 135}, {57 483 284, -652 007},
{16 106 868, 534 847}, {9 280 158, 559 207}, {34 180 511, 897 840}, {9 451 241, -561 585},
{14 451 304, -1 238 561}, {62 125 628, -3 879 881}, {7 177 332, -30 131},
{929 254, -88 131}, {6 068 237, 488 128}, {31 815 851, 383 380}, {708 039, 37 526},
{748 205, -62 321}, {53 303, -2668}, {8607, -464}, {31 559, -2668},
{69 007, 5278}, {59 343, -812}, {10 117, -203}, {4983, 29}, {755, -29}, {1, 0}}

$\frac{29}{152}$ is a relation number with a list
{{152, 145}, {1064, -87}, {760, 29}, {456, 29}, {1, 0}}

$\frac{29}{153}$ is a relation number with a list
{{153, 145}, {408, -29}, {306, 29}, {663, 29}, {612, -29}, {1, 0}}

$\frac{29}{154}$ is a relation number with a list {{154, 145}, {693, -58}, {462, -29}, {1, 0}}

$\frac{29}{155}$ is a relation number with a list
{{155, 145}, {310, 29}, {1395, -58}, {465, -29}, {1, 0}}

$\frac{29}{156}$ is a relation number with a list {{156, 145}, {1716, -29}, {780, -29}, {1, 0}}

$\frac{29}{157}$ is a relation number with a list {{157, 145}, {1884, 145}, {1, 0}}

$\frac{29}{158}$ is a relation number with a list
{{158, 145}, {2054, -87}, {2686, -29}, {869, 58}, {1, 0}}

$\frac{29}{159}$ is a relation number with a list
{{159, 145}, {742, -29}, {636, 29}, {318, 29}, {1, 0}}

$\frac{29}{160}$ is a relation number with a list {{160, 174}, {1120, 87}, {440, 29}, {1, 0}}

$\frac{29}{161}$ is a relation number with a list {{161, 174}, {2093, -116}, {805, 29}, {1, 0}}

$\frac{29}{162}$ is a relation number with a list {{162, 174}, {1, 0}}

$\frac{29}{163}$ is a relation number with a list {{163, 174}, {1793, 29}, {815, 58},
{489, -29}, {652, -29}, {2282, 145}, {6194, -493}, {35 045, -696}, {39 935, 232},
{5053, 58}, {1141, -87}, {1630, 29}, {978, 29}, {1304, -87}, {1, 0}}

$\frac{29}{164}$ is a relation number with a list {{164, 174}, {410, -29}, {1, 0}}

$\frac{29}{165}$ is a relation number with a list {{165, 174}, {1, 0}}

$\frac{29}{166}$ is a relation number with a list {{166, 174}, {332, 29},
{2158, -87}, {2822, 145}, {5561, 377}, {3901, 29}, {1162, 29}, {1, 0}}

$\frac{29}{167}$ is a relation number with a list
{{167, 174}, {1169, -29}, {1503, 116}, {835, 58}, {3841, -319},
{2171, -116}, {5511, 232}, {9519, -725}, {15 698, -1131}, {22 712, -435},
{15 364, -609}, {23 213, -928}, {2171, -29}, {668, -29}, {1, 0}}

$\frac{29}{168}$ is a relation number with a list {{168, 174}, {1, 0}}

$\frac{29}{169}$ is a relation number with a list
{{169, 174}, {845, 29}, {676, 29}, {1521, -58}, {1, 0}}

$\frac{29}{170}$ is a relation number with a list {{170, 174}, {1, 0}}

$\frac{29}{171}$ is a relation number with a list {{171, 174}, {1, 0}}

$\frac{29}{172}$ is a relation number with a list {{172, 174}, {1, 0}}

$\frac{29}{173}$ is a relation number with a list {{173, 174}, {1, 0}}

$\frac{29}{175}$ is a relation number with a list {{175, 174}, {1, 0}}

$\frac{29}{176}$ is a relation number with a list {{176, 174}, {1, 0}}

$\frac{29}{177}$ is a relation number with a list {{177, 174}, {1, 0}}

$\frac{29}{178}$ is a relation number with a list {{178, 174}, {1, 0}}

$\frac{29}{179}$ is a relation number with a list {{179, 174}, {895, -29},
{716, -29}, {1611, -29}, {2327, -87}, {3938, 261}, {4117, 29}, {1, 0}}

$\frac{29}{180}$ is a relation number with a list {{180, 174}, {1, 0}}

$\frac{29}{181}$ is a relation number with a list {{181, 174}, {1267, 29},
{1629, -29}, {905, -29}, {1086, -29}, {2353, 29}, {724, 29}, {1, 0}}

$\frac{29}{182}$ is a relation number with a list {{182, 174}, {364, 29}, {1, 0}}

$\frac{29}{183}$ is a relation number with a list {{183, 174}, {1, 0}}

$\frac{29}{184}$ is a relation number with a list {{184, 174}, {460, 29}, {1, 0}}

$\frac{29}{185}$ is a relation number with a list {{185, 174}, {2035, -29}, {1, 0}}

$\frac{29}{186}$ is a relation number with a list {{186, 174}, {1, 0}}

$\frac{29}{187}$ is a relation number with a list {{187, 174}, {2431, 116},
{935, 58}, {1309, 87}, {748, 29}, {1122, -29}, {1683, -58}, {1, 0}}

$\frac{29}{188}$ is a relation number with a list
{{188, 174}, {1316, -87}, {2068, -87}, {940, 29}, {564, -29}, {1222, -87}, {1, 0}}

$\frac{29}{189}$ is a relation number with a list {{189, 203}, {378, 29}, {1, 0}}

$\frac{29}{190}$ is a relation number with a list {{190, 203}, {1235, -58}, {1615, -87}, {1, 0}}

$\frac{29}{191}$ is a relation number with a list
{{191, 203}, {2292, -145}, {5348, 87}, {7831, -29}, {1, 0}}

$\frac{29}{192}$ is a relation number with a list {{192, 203}, {1056, -29}, {1, 0}}

$\frac{29}{193}$ is a relation number with a list

{{193, 203}, {1930, -29}, {2509, -58}, {2895, 116}, {965, -58}, {4053, 232},
{21 037, 522}, {30 301, 580}, {27 213, 1537}, {87 429, 5510}, {141 083, -3480},
{308 221, -23 055}, {1 641 658, -9483}, {212 107, -13 572}, {973 685, -14 094},
{231 407, -8004}, {136 837, 2697}, {137 030, -5771}, {284 482, 2407}, {88 008, 1711},
{144 171, 5278}, {321 345, 4669}, {157 488, -1885}, {164 436, -6815},
{169 068, 5713}, {448 146, -25 201}, {1 056 096, -55 535}, {179 683, 348},
{22 195, 464}, {14 861, -232}, {2509, 87}, {2702, -145}, {10 229, 319}, {4053, 58},
{1351, -29}, {2316, 29}, {772, -29}, {2123, -145}, {10 036, -667}, {5983, -174},
{12 931, -551}, {49 794, -1595}, {67 357, -4205}, {14 861, -986}, {13 703, -870},
{41 881, -2001}, {27 020, 493}, {18 335, 1276}, {90 903, 406}, {7913, 116},
{4825, -87}, {7720, -551}, {1158, -29}, {386, 29}, {1737, 116}, {579, -29}, {1, 0}}

$\frac{29}{194}$ is a relation number with a list {{194, 203}, {1746, 29}, {582, 29}, {1, 0}}

$\frac{29}{195}$ is a relation number with a list {{195, 203}, {520, 29}, {390, 29}, {1, 0}}

$\frac{29}{196}$ is a relation number with a list {{196, 203}, {1, 0}}

$\frac{29}{197}$ is a relation number with a list

{{197, 203}, {1182, 29}, {1379, -29}, {2561, 58}, {1773, -58},
{4925, -174}, {10 441, -464}, {45 507, -2378}, {64 025, 2784}, {1379, 58},
{2561, -116}, {1773, 116}, {6501, -116}, {985, 58}, {1, 0}}

$\frac{29}{198}$ is a relation number with a list {{198, 203}, {990, -29}, {396, 29}, {990, 29}}

$\frac{29}{199}$ is a relation number with a list

{{199, 203}, {796, -29}, {2587, -116}, {6965, 261}, {16 318, 377},
{21 293, 551}, {39 004, -1653}, {132 932, -377}, {29 651, 1566}, {20 497, -986},
{41 591, 2262}, {174 125, -6612}, {440 387, 31 929}, {1 317 181, -19 488},
{1 592 597, -67 367}, {4 817 989, 65 772}, {3 309 967, 64 989}, {889 928, 35 989},
{1 949 603, -58 986}, {609 935, -5394}, {82 187, 4524}, {150 245, 2581},
{108 853, 6003}, {159 001, -10 295}, {910 624, -58 145}, {3 919 504, 147 175},
{10 789 979, 587 946}, {41 183 249, 2 971 253}, {82 444 307, -2 568 994},
{47 063 301, 3 155 519}, {53 627 316, -2 745 401}, {254 860 096, -10 771 441},
{727 243 112, 23 913 719}, {1 956 476 858, -88 120 125}, {3 548 987 492, 48 525 613},
{1 316 930 857, 60 869 637}, {4 418 030 243, 119 779 744}, {2 750 236 715, -189 661 421},
{18 842 235 400, -699 324 821}, {7 867 418 633, 438 141 976}, {3 808 250 065, -59 788 169},
{3 620 357 449, -236 719 286}, {13 844 063 641, -705 175 861}, {51 631 262 221, -2 628 925 690},
{188 503 064 221, 1 220 592 281}, {105 838 736 453, -3 881 903 489},
{204 441 107 750, 2 117 262 189}, {185 731 592 017, 11 727 430 901},
{379 553 177 401, -10 664 427 317}, {868 874 996 189, -30 318 527 340},
{2 062 097 037 529, 23 254 871 480}, {1 509 718 314 009, -7 526 192 201},
{606 217 360 008, -4 122 719 257}, {35 348 216 571, -1 372 757 224},
{68 350 779 347, 4 240 696 477}, {99 427 507 285, 3 511 326 293},
{220 963 845 119, -9 662 817 371}, {254 909 928 386, -8 778 599 483},
{65 778 132 421, -2 333 342 755}, {88 462 520 919, -240 374 881}, {908 377 489, -46 641 860},
{4 414 247 651, -275 777 646}, {359 257 685, -12 618 074}, {1 184 370 987, 77 954 929},

{2 994 363 348, -196 091 417}, {10 545 426 507, -602 924 558}, {58 846 095 179, 75 875 484},
{6 622 800 595, 342 886 604}, {21 483 068 681, -640 931 726}, {61 413 390 597, 2 249 752 256},
{133 345 857 315, 757 549 049}, {3 427 713 509, -101 583 027}, {5 195 772 391, -228 644 874},
{12 548 882 489, -217 960 549}, {18 473 041 247, 301 329 459}, {18 296 905 352, 1 304 132 117},
{7 772 087 086, 153 294 609}, {9 141 656 627, 135 000 800}, {7 641 156 827, -140 309 192},
{12 827 631 341, 118 770 457}, {83 975 015, 4 582 928}, {294 979 889, 9 275 273},
{363 940 553, 10 500 378}, {710 962 723, -17 422 562}, {669 101 481, -43 171 198},
{4 285 168 689, 151 537 064}, {8 384 048 503, -389 024 589}, {34 723 998 545, 1 511 675 286},
{8 862 073 567, 86 322 067}, {5 790 767 466, -300 477 613}, {16 256 870 981, -567 751 212},
{41 374 919 233, -1 578 214 829}, {67 925 402 121, 2 692 903 141},
{119 961 895 604, -6 050 687 745}, {209 319 999 904, 14 433 997 479},
{1 430 802 493 919, 46 759 187 765}, {3 727 733 032 404, -70 041 254 807},
{3 093 758 998 967, 38 118 635 474}, {1 223 755 589 027, -82 849 930 205},
{3 779 679 445 552, -37 090 610 965}, {709 011 702 722, 45 076 326 233},
{2 429 693 884 194, -118 289 091 017}, {10 821 028 405 437, -114 477 703 522},
{10 816 332 401 447, 713 570 764 760}, {22 441 415 079 353, 1 375 232 418 631},
{87 101 579 870 143, -5 579 039 934 397}, {430 448 756 961 591, -18 887 892 924 095},
{790 583 278 226 206, -43 260 048 117 553}, {2 368 580 009 940 148, 20 499 204 539 653},
{1 856 215 615 260 400, -21 784 956 464 947}, {894 368 832 241 095, -34 146 173 435 368},
{1 307 096 261 383 873, 62 240 616 435 956}, {8 619 929 530 603, 40 208 541 064},
{3 045 046 838 493, 13 989 874 282}, {944 405 241 617, -31 447 091 978},
{197 503 973 123, -12 280 334 461}, {202 705 727 653, 8 035 987 290},
{359 403 035 197, -24 473 346 587}, {1 531 735 557 992, -40 594 411 091},
{2 159 560 629 734, -104 168 046 255}, {5 565 699 982 579, -358 688 377 489},
{34 489 497 391 755, 1 013 479 878 841}, {6 205 120 721 039, 31 663 211 172},
{172 865 065 927, -3 131 143 978}, {129 777 280 263, 1 007 158 487},
{29 086 747 440, -1 202 243 633}, {46 347 149 352, -2 852 731 247},
{139 986 430 600, 3 507 394 647}, {61 561 700 720, 1 790 108 607},
{138 903 608 318, -8 128 606 011}, {142 743 920 069, 4 953 872 133},
{182 755 985 812, -407 625 943}, {27 773 106 252, -170 820 817},
{14 066 696 881, -855 308 484}, {75 970 466 263, -4 140 293 721},
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{1 121 708 734 412 563, -1 961 983 301 661}, {143 522 818 170 127, -6 246 821 278 410},
{40 520 734 358 689, -1 334 205 587 786}, {130 071 048 703 667, -6 677 628 911 854},
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{37 296 019 445 021, 139 950 351 220}, {18 206 443 391 763, 670 959 669 338},
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{39 465 569 413 243 963, -447 445 572 068 863}, {23 764 435 721 396 997, 240 402 441 033 826},
{9 311 762 470 317 351, 434 039 839 398 808}, {51 791 496 693 846 729, -64 511 144 695 636},
{2 880 506 644 981 477, 132 443 551 771 545}, {8 745 142 920 030 919, -118 094 387 732 763},
{1 619 613 913 098 191, 15 593 537 665 353}, {555 983 077 911 023, 6 409 557 438 464},
{433 534 258 895 735, -12 568 082 440 857}, {1 635 716 903 435 011, -58 849 698 701 757},
{3 175 635 636 330 655, 70 204 325 262 031}, {4 323 982 878 825 380, -131 032 934 988 907},
{27 345 637 648 913, -184 059 869 450}, {20 851 402 473 031, 124 460 090 917},
{15 225 806 669 575, -834 070 546 396}, {55 897 187 459 561, 2 527 901 460 520},
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{473 150 086 684 591, -3 788 629 165}, {116 731 172 932, 5 304 112 383},
{10 704 233 078, -150 387 939}, {7 019 314 567, -78 392 046}, {9 459 997 699, -245 244 242},
{27 490 795 357, 841 842 595}, {76 272 703 114, -2 736 852 873}, {94 463 637 790, 1 078 468 269},
{116 132 878 966, -1 915 570 031}, {188 542 839 275, 4 837 442 353},
{30 879 485 396, 1 208 549 393}, {142 756 090 186, -3 025 173 599},
{150 680 861 679, 1 899 341 399}, {166 450 374 554, 3 973 011 223},
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{1 197 719 488 448, 1 523 617 747}, {41 012 037 478, -1 767 881 325},
{92 251 721 789, 2 970 393 527}, {44 584 404 876, -454 528 571},
{10 679 093 434, 568 333 271}, {31 359 782 045, -780 972 668}, {31 790 210 475, 1 421 869 391},
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{655 859 403 370, 5 965 647 333}, {95 154 257 380, 4 878 932 421},
{637 614 843 520, -17 627 103 843}, {799 284 660 236, 35 176 338 655},
{2 569 806 882 027, 99 593 223 088}, {5 159 249 502 643, -24 048 711 970},
{2 951 799 148 541, 140 623 678 353}, {341 399 477 336, -16 824 686 023},
{1 290 214 058 388, -14 616 992 525}, {1 030 622 357 444, 19 585 127 293},
{1 943 409 329 355, -7 873 674 899}, {365 141 493 574, 17 376 236 095},
{63 260 857 277, 976 769 880}, {60 275 634 749, 2 317 669 473}, {4 268 082 613, 87 594 094},
{6 319 362 159, -42 457 421}, {1 786 708 910, -63 469 487}, {2 515 141 062, -52 378 321},
{258 175 002, 2 997 121}, {111 142 748, 3 904 647}, {476 722 216, -24 404 399},
{2 989 195 932, 155 820 973}, {7 521 128 035, 343 946 554}, {12 018 088 239, -345 129 986},

{16 164 314 273, -132 033 491}, {14 788 061 573, -481 730 194},
{38 286 077 983, 45 277 352}, {4 881 755 767, -65 509 434}, {8 271 818 929, -100 951 291},
{1 627 163 379, -4 126 903}, {306 026 011, -5 557 473}, {95 993 948, -901 407},
{116 983 978, -4 881 309}, {44 036 194, 1 878 939}, {215 817 011, -5 582 616},
{501 018 419, -23 397 171}, {2 545 268 764, 20 998 291}, {1 177 070 439, -58 464 058},
{2 048 580 377, -15 589 066}, {1 686 548 253, -8 601 980}, {147 325 499, -4 263 377},
{497 779 048, 23 504 471}, {1 100 696 291, -8 171 330}, {639 947 117, 32 124 460},
{668 567 829, 29 113 825}, {276 188 398, -12 923 241}, {1 262 488 631, -57 777 831},
{2 268 020 213, -59 669 066}, {156 670 415, -6 860 298}, {293 623 457, -8 838 562},
{513 089 593, -4 908 627}, {609 171 646, 14 719 559}, {1 491 138 201, -74 885 975},
{1 730 881 637, 36 671 312}, {1 927 782 899, 78 940 291}, {8 735 785 645, -430 457 237},
{33 306 558 015, 639 920 264}, {8 075 227 481, 8 832 385}, {638 456 433, -287 332},
{1 243 727, -3625}, {92 576, -4031}, {36 031, -638}, {79 689, -841}, {54 178, 145},
{13 676, -435}, {50 233, 1914}, {123 347, 145}, {12 624, -551}, {12 887, -29},
{2893, 29}, {1841, 87}, {3682, 145}, {14 991, 116}, {7101, -29}, {1052, -29}}

$\frac{29}{264}$ is a relation number with a list {{264, 261}, {1, 0}}

$\frac{29}{265}$ is a relation number with a list
{{265, 261}, {1060, 29}, {689, -29}, {1855, -29}, {1, 0}}

$\frac{29}{266}$ is a relation number with a list
{{266, 261}, {1330, -29}, {532, 29}, {665, -29}, {1, 0}}

$\frac{29}{267}$ is a relation number with a list
{{267, 261}, {534, 29}, {1068, 29}, {1335, -58}, {1, 0}}

$\frac{29}{268}$ is a relation number with a list
{{268, 261}, {1876, -87}, {5092, 87}, {2747, 116}, {9916, 29}, {1, 0}}

$\frac{29}{269}$ is a relation number with a list
{{269, 261}, {2152, -87}, {6187, 58}, {5111, -174}, {17 485, 319},
{16 140, -551}, {43 309, 1189}, {135 845, -2349}, {106 793, -1334},
{19 637, 1044}, {53 531, 1943}, {234 837, 8990}, {295 093, 522}, {43 847, -1392},
{186 955, 8497}, {5649, 116}, {9415, 261}, {5111, 232}, {1883, 87},
{8339, -29}, {3497, -116}, {4573, -145}, {18 023, 145}, {11 567, 348},
{22 327, -261}, {32 011, 1189}, {24 748, 319}, {36 046, -319}, {1, 0}}

$\frac{29}{270}$ is a relation number with a list {{270, 261}, {1, 0}}

$\frac{29}{271}$ is a relation number with a list
{{271, 261}, {2710, -29}, {3523, 58}, {4065, -58}, {1355, -58}, {5691, 116}, {1897, -29},
{3252, 145}, {16 802, -261}, {26 558, 319}, {21 951, -464}, {38 753, -1334},
{18 157, -116}, {14 905, -464}, {15 447, -116}, {5149, -29}, {3523, -58}}

$\frac{29}{272}$ is a relation number with a list
{{272, 261}, {2992, -145}, {7208, -261}, {1700, 87}, {680, -29}, {3536, 29}, {1, 0}}

$\frac{29}{273}$ is a relation number with a list

{{273, 261}, {1092, -29}, {910, 29}, {3003, -58}, {1, 0}}

$\frac{29}{274}$ is a relation number with a list

{{274, 261}, {1781, -58}, {2329, 58}, {2466, -29}, {1, 0}}

$\frac{29}{275}$ is a relation number with a list {{275, 261}, {3850, -87}, {550, 29}, {1, 0}}

$\frac{29}{276}$ is a relation number with a list

{{276, 290}, {1932, -29}, {3036, 29}, {828, 29}, {1196, -29}, {644, -29}, {1, 0}}

$\frac{29}{277}$ is a relation number with a list {{277, 290}, {3601, -29},

{1385, -58}, {1939, 29}, {1108, -29}, {1662, -29}, {2493, 58}, {1, 0}}

$\frac{29}{278}$ is a relation number with a list {{278, 290}, {834, 29}, {973, 29},

{3614, -145}, {1529, 58}, {2919, 145}, {5282, 87}, {6950, -261}, {13 483, -290},

{39 754, -1827}, {61 160, -1247}, {7923, 232}, {4865, -232}, {973, -29}}

$\frac{29}{279}$ is a relation number with a list {{279, 290}, {3069, 116}, {4929, 29}, {1, 0}}

$\frac{29}{280}$ is a relation number with a list {{280, 290}, {1, 0}}

$\frac{29}{281}$ is a relation number with a list {{281, 290}, {2529, -58},

{6463, 290}, {23 323, -348}, {1967, 58}, {1405, -58}, {3653, -87}, {1, 0}}

$\frac{29}{282}$ is a relation number with a list {{282, 290}, {564, 29},

{1833, -58}, {6486, -319}, {7473, -203}, {5358, -29}, {987, 29}, {1, 0}}

$\frac{29}{283}$ is a relation number with a list {{283, 290}, {1981, -58},

{2547, 29}, {1415, 58}, {6509, -261}, {4528, 87}, {1132, 29}, {1, 0}}

$\frac{29}{284}$ is a relation number with a list {{284, 290}, {852, -29}, {1562, 29}, {1, 0}}

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$\frac{29}{286}$ is a relation number with a list {{286, 290}, {1, 0}}

$\frac{29}{287}$ is a relation number with a list {{287, 290}, {861, 29},

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$\frac{29}{289}$ is a relation number with a list {{289, 290}, {1, 0}}

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$\frac{30}{11}$ is a relation number with a list

{{11, 30}, {209, 240}, {341, 150}, {451, 420}, {341, -30}, {1, 0}}

$\frac{30}{13}$ is a relation number with a list

{{13, 30}, {221, 120}, {247, 150}, {689, -360}, {403, 30}, {1, 0}}

$\frac{30}{17}$ is a relation number with a list

{{17, 30}, {221, -120}, {323, -240}, {1411, 900}, {6613, -3630}, {10 999, 3480},
{9503, -7920}, {26 911, 7830}, {58 157, 30 480}, {47 651, -13 620}, {115 447, -27 810},
{71 519, 32 070}, {125 443, 102 450}, {390 881, -327 720}, {1 073 737, 113 250},
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$\frac{30}{19}$ is a relation number with a list {{19, 30}, {209, 90}, {551, -30}, {209, 90}}

$\frac{30}{23}$ is a relation number with a list

{{23, 30}, {161, -60}, {437, 240}, {989, -360}, {2093, 90}, {1, 0}}

$\frac{30}{29}$ is a relation number with a list {{29, 30}, {1, 0}}

$\frac{30}{31}$ is a relation number with a list {{31, 30}, {1, 0}}

$\frac{30}{37}$ is a relation number with a list

{{37, 30}, {259, 60}, {703, -60}, {629, 180}, {3293, 1320}, {24 161, 9660},
{178 303, -68 280}, {981 869, 138 030}, {579 383, -60 360}, {896 029, 53 790},
{680 837, 217 890}, {1 005 179, -88 170}, {1 306 433, -84 480}, {1 451 621, 405 210},
{6 261 103, 236 940}, {3 724 531, -292 890}, {3 072 443, 872 250}, {15 412 609, 5 216 880},
{8 807 147, -219 450}, {1 078 439, -249 960}, {2 908 163, 183 360}, {947 089, 126 870},
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{44 551 811, 11 342 310}, {30 244 873, -2 776 680}, {11 048 459, 4 196 850},
{57 057 367, -16 495 260}, {280 148 719, 71 118 210}, {159 992 477, -36 901 170},
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{5 432 336 707, 476 422 230}, {7 092 610 549, 375 326 580}, {1 427 995 427, 6 926 100},
{45 096 599, 312 030}, {5 466 787, 1 752 480}, {7 745 839, 2 037 660}, {14 977 637, -2 529 240},
{7 318 711, -1 363 560}, {18 533 707, -5 369 730}, {89 707 129, 19 526 520},
{293 242 427, -9 188 850}, {29 628 601, 3 662 790}, {12 072 397, -1 514 790},
{1 699 151, -438 060}, {1 964 293, 281 520}, {234 839, 56 310}, {355 163, 67 680},
{620 231, -10 290}, {104 747, -41 010}, {676 471, -128 100}, {1 330 927, -423 180},
{2 271 319, 916 830}, {16 193 383, -5 466 600}, {7 637 429, -2 088 630},
{26 532 367, -8 771 610}, {8 048 869, 1 755 930}, {27 038 897, 800 880},
{7 067 851, -979 110}, {7 920 997, 2 307 510}, {36 943 279, -4 484 160},
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{77 848 037, 20 714 460}, {185 362 711, -14 964 570}, {214 151 227, -32 780 700},
{566 605 901, -165 344 670}, {2 611 159 967, 233 717 400}, {1 489 936 979, 191 144 730},
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{84 945 599, -32 166 150}, {427 455 487, 150 390 960}, {877 543 541, 127 708 800},
{607 468 183, 200 192 100}, {254 999 671, -36 125 940}, {78 369 367, -2 262 450},
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$\frac{30}{41}$ is a relation number with a list {{41, 30}, {451, -90}, {1, 0}}

$\frac{30}{43}$ is a relation number with a list

{{43, 30}, {559, 120}, {1763, -240}, {3569, -360}, {1333, -330}, {559, -150},
{1763, 300}, {1591, 420}, {3827, 630}, {2021, 300}, {3397, -1050},
{10 621, -690}, {11 653, 2850}, {10 879, 1110}, {9503, -1320}, {11 309, -1530},
{25 757, 6090}, {60 071, 10 410}, {102 727, -17 610}, {126 119, -34 680},
{541 843, -20 880}, {44 591, -4350}, {46 913, 9330}, {11 309, -1200},
{21 887, -5790}, {54 739, -18 360}, {14 663, 1770}, {21 629, 660},
{6493, -1200}, {21 199, -7230}, {21 113, 1560}, {31 261, -1650}, {3827, -1140},
{17 501, -180}, {1763, -360}, {1591, -60}, {1247, -30}, {559, 120}}

$\frac{30}{47}$ is a relation number with a list

{{47, 60}, {611, -90}, {893, 240}, {3149, 780}, {1363, 120}, {2021, 480}, {4747, 1350},
{30 691, -4680}, {97 243, -28 320}, {577 301, 142 920}, {264 187, -27 960},
{589 709, -184 890}, {1 646 833, -280 470}, {1 691 389, 226 770}, {4 887 953, 1 298 280},
{14 342 849, 3 065 910}, {46 374 947, 3 907 380}, {24 139 811, 1 253 820},
{14 909 857, 1 827 960}, {13 450 319, 61 020}, {1 218 193, -242 340}, {305 171, -92 160},
{1 348 477, -27 870}, {503 699, -23 850}, {133 903, -9840}, {181 279, -360}, {7567, -2400},
{17 249, -2700}, {49 303, -1020}, {16 121, 3510}, {67 163, 6510}, {96 961, -3480},
{22 513, 5490}, {25 991, -7410}, {171 503, 19 860}, {340 139, -64 980}, {716 233, 146 130},
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{980 467, -302 310}, {3 456 239, -971 910}, {20 275 847, -6 088 350}, {94 507 459, 15 467 100},
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{6 387 831 523, -447 737 730}, {5 616 655 241, 466 921 230}, {639 222 607, -87 481 410},
{1 262 078 639, -83 715 720}, {298 113 433, 61 349 730}, {405 855 199, -33 815 700},
{3 139 553, -189 690}, {4 003 319, 1 249 500}, {11 976 493, -2 430 060}, {8 168 929, -499 800},
{8 090 063, 2 328 750}, {51 879 211, 10 108 080}, {62 924 117, -6 892 200},
{42 032 899, -1 979 280}, {21 996 893, 5 257 830}, {45 381 931, -13 586 700},
{217 226 057, 54 699 750}, {73 928 321, -22 720 590}, {271 027 897, -29 888 550},
{95 454 509, -3 408 420}, {881 203, 108 210}, {729 581, -36 720}, {226 493, -9000},
{70 171, -19 890}, {441 283, 89 820}, {367 399, -360}, {7567, -2400}}

$\frac{30}{49}$ is a relation number with a list {{49, 60}, {539, 30}, {1, 0}}

$\frac{30}{53}$ is a relation number with a list

{{53, 60}, {371, -30}, {583, 60}, {901, -120}, {3127, -720},
{13 091, -1110}, {12 137, -3000}, {7261, 1290}, {25 387, 3480}, {54 431, -420},
{8957, 1980}, {49 979, 8220}, {34 927, 720}, {18 709, 4200},
{101 177, -6480}, {132 659, -32 010}, {244 807, -33 690}, {475 781, 99 600},
{1 177 607, 53 760}, {270 989, 65 130}, {554 857, -2880}, {52 099, 5190},
{10 547, 450}, {10 441, 210}, {3127, -510}, {3551, -900}, {2597, 660},
{2279, -150}, {1537, -120}, {1219, 150}, {1007, -30}, {689, 30}, {1, 0}}

$\frac{30}{59}$ is a relation number with a list {{59, 60}, {1, 0}}

$\frac{30}{61}$ is a relation number with a list {{61, 60}, {1, 0}}

$\frac{30}{67}$ is a relation number with a list
{{67, 60}, {469, 30}, {737, -30}, {871, 60}, {1943, 330}, {2479, 90},
{2747, 120}, {871, 150}, {1943, 390}, {469, -90}, {1273, 240}, {4891, 750},
{24 053, 3600}, {76 849, -330}, {2747, -30}, {871, 60}}

$\frac{30}{71}$ is a relation number with a list {{71, 60}, {781, -30}, {1, 0}}

$\frac{30}{73}$ is a relation number with a list
{{73, 60}, {949, 90}, {2993, -420}, {3869, -450}, {13 213, 270}, {1241, 180},
{1387, -30}, {511, -90}, {2117, -390}, {12 191, 1590}, {38 617, -4980},
{89 279, -3360}, {105 193, -14 100}, {473 989, -55 350}, {1 763 753, -308 430},
{6 338 371, -927 900}, {11 455 817, 1 826 520}, {36 258 881, -772 230}, {2 622 817, 323 550},
{2 512 441, -128 580}, {4 318 607, 512 490}, {15 964 151, -1 951 890}, {25 479 263, 4 105 050},
{61 974 299, -5 958 030}, {174 761 927, -4 016 370}, {142 959 769, -557 940},
{9 280 417, 1 222 950}, {36 732 359, 1 297 590}, {29 188 247, -1 237 290},
{36 990 049, -886 170}, {16 723 643, 2 835 840}, {21 271 981, 2 789 520},
{76 225 067, 15 642 630}, {145 130 059, -8 704 680}, {208 013 573, 37 046 430},
{1 041 345 511, -136 688 130}, {3 807 645 617, 589 518 270}, {19 749 127 781, 2 454 434 160},
{8 296 778 573, -1 536 962 910}, {44 673 373 679, -2 044 768 290},
{22 741 595 173, -265 691 310}, {7 873 596 551, -18 882 030}, {209 959, -14 280},
{309 593, 24 600}, {745 111, 41 460}, {85 337, -10 560}, {62 561, 420}, {1387, 120},
{3869, 780}, {2263, -210}, {3431, -180}, {803, 60}, {1679, 240}, {1, 0}}

$\frac{30}{77}$ is a relation number with a list {{77, 90}, {1001, 90}, {1, 0}}

$\frac{30}{79}$ is a relation number with a list
{{79, 90}, {869, 150}, {2449, 240}, {3871, -150}, {2291, -330}, {1501, -150}, {1, 0}}

$\frac{30}{83}$ is a relation number with a list
{{83, 90}, {581, 90}, {3403, 90}, {1411, 180}, {2407, -150}, {581, -60}, {1577, -150},
{6059, -690}, {12 533, -1620}, {35 441, 6360}, {225 677, -38 460}, {421 889, -10 110},
{226 673, 19 830}, {709 069, 108 150}, {3 982 423, -339 870}, {7 969 411, -595 890},
{18 495 803, -2 662 260}, {11 621 411, -1 659 450}, {436 663, 51 240}, {2 033 251, 156 540},
{146 827, 9330}, {203 599, 35 100}, {581 083, 27 120}, {959 729, 169 620},
{4 813 253, -160 620}, {5347, 210}, {8051, -30}, {913, 150}, {1079, -30}, {1, 0}}

$\frac{30}{89}$ is a relation number with a list {{89, 90}, {1, 0}}

$\frac{30}{91}$ is a relation number with a list {{91, 90}, {1, 0}}

$\frac{30}{97}$ is a relation number with a list {{97, 90}, {679, -90}, {3977, 120},
{1649, -90}, {2813, -30}, {679, -30}, {1067, -60}, {1261, -30}, {1, 0}}

$\frac{30}{101}$ is a relation number with a list {{101, 90}, {1111, -150}, {6161, -510},
{4141, 150}, {5959, 780}, {28 381, -2910}, {72 619, -8070}, {1111, -30}, {1, 0}}

$\frac{30}{103}$ is a relation number with a list

{{103, 90}, {1339, -90}, {1133, 30}, {721, 60}, {1, 0}}

$\frac{30}{107}$ is a relation number with a list

{{107, 120}, {1391, 30}, {1177, -90}, {749, 30}, {1, 0}}

$\frac{30}{109}$ is a relation number with a list {{109, 120}, {1199, 120}, {1, 0}}

$\frac{30}{113}$ is a relation number with a list

{{113, 120}, {791, 90}, {2147, 90}, {1469, -30}, {1, 0}}

$\frac{30}{119}$ is a relation number with a list {{119, 120}, {1, 0}}

$\frac{30}{121}$ is a relation number with a list {{121, 120}, {1, 0}}

$\frac{30}{127}$ is a relation number with a list

{{127, 120}, {889, -90}, {1397, -120}, {5461, -240}, {7493, 390}, {10 541, -270},
{1397, 30}, {1651, 90}, {3937, 270}, {14 351, -390}, {10 033, -240}, {5969, -540},
{3683, 150}, {8509, -960}, {16 637, 90}, {1651, -120}, {3683, -420}, {12 319, 960},
{20 447, -1170}, {70 739, 1800}, {68 453, 2220}, {46 609, 4320}, {115 697, -2040},
{74 041, -3270}, {148 463, -5550}, {176 149, -2520}, {31 877, -3750}, {237 871, 26 730},
{342 773, 6030}, {118 999, -6840}, {345 313, 28 590}, {283 591, 13 470}, {91 567, 1920},
{75 311, 5220}, {283 337, -6360}, {363 601, 34 710}, {2 095 627, -47 100},
{2 949 829, 289 590}, {6 848 983, -433 080}, {10 197 719, -403 770}, {13 140 563, 1 490 400},
{34 675 699, -885 270}, {19 071 463, 197 460}, {10 433 939, -430 320}, {13 494 893, -458 550},
{25 011 761, 847 050}, {50 766 853, 354 180}, {15 127 351, -1 473 210}, {50 196 877, 2 622 810},
{46 162 849, -4 946 040}, {209 358 103, 14 763 630}, {338 744 941, 34 555 740},
{865 182 293, -96 729 810}, {684 021 619, 4 612 710}, {170 248 453, -17 428 380},
{512 489 069, 34 316 880}, {287 544 637, -11 112 240}, {174 447 581, 10 179 420},
{177 475 007, -6 833 790}, {25 848 691, 840 750}, {27 248 993, 2 649 840},
{95 325 311, -1 237 170}, {8 029 067, 299 700}, {7 979 791, -362 100}, {1 726 057, 86 790},
{1 237 361, 84 690}, {4 189 603, 130 740}, {752 221, 78 810}, {4 556 633, -321 540},
{6 994 271, 469 170}, {5 496 433, 140 430}, {2 497 201, 137 910}, {1 882 267, 174 000},
{4 030 091, -202 230}, {1 842 643, 2280}, {51 181, -600}, {22 987, -180},
{6731, 600}, {16 637, 1530}, {24 511, 2550}, {125 603, 2520}, {50 419, 1530},
{9017, -480}, {13 081, -840}, {45 593, -1020}, {38 989, 600}, {1397, 30}}

$\frac{30}{131}$ is a relation number with a list {{131, 120}, {1441, -120}, {1, 0}}

$\frac{30}{133}$ is a relation number with a list {{133, 120}, {1729, -30}, {1463, 30}, {1, 0}}

$\frac{30}{137}$ is a relation number with a list

{{137, 150}, {1781, 120}, {2603, 90}, {959, 60}, {1, 0}}

$\frac{30}{139}$ is a relation number with a list

{{139, 150}, {1529, -60}, {4031, 360}, {9869, 1050}, {58 241, -4890}, {61 021, -5130}, {74 921, 1590}, {26 549, -2460}, {71 029, 4680}, {115 231, 3900}, {245 891, -11 400}, {682 351, -35 370}, {1 434 619, 37 650}, {544 741, -57 300}, {3 928 001, 334 770}, {12 404 221, -1 021 140}, {20 925 199, -1 935 330}, {50 516 909, -3 562 380}, {89 458 871, 6 828 600}, {95 502 869, 1 017 420}, {18 710 929, -79 830}, {4 268 551, -41 130}, {1 246 691, 66 600}, {2 600 551, -277 080}, {14 849 509, -54 960}, {1 432 951, 92 310}, {6 117 251, 371 610}, {23 837 249, 206 490}, {12 634 961, -1 294 560}, {43 178 821, 2 879 610}, {2 130 731, -178 890}, {2 216 911, -14 730}, {1 017 341, 71 340}, {2 582 759, -117 480}, {250 339, 12 660}, {397 679, 42 690}, {1 872 191, -127 140}, {4 852 351, -131 130}, {75 199, -780}, {44 341, -3150}, {33 499, 3180}, {205 859, 2280}, {91 601, 600}, {27 661, 180}, {8201, -240}, {5699, -150}, {1, 0}}

$\frac{30}{143}$ is a relation number with a list {{143, 150}, {1001, -30}, {1, 0}}

$\frac{30}{149}$ is a relation number with a list {{149, 150}, {1, 0}}

$\frac{30}{151}$ is a relation number with a list {{151, 150}, {1, 0}}

$\frac{30}{157}$ is a relation number with a list {{157, 150}, {1099, 30}, {1727, -90}, {2669, 150}, {4867, -300}, {10 519, -870}, {12 403, 870}, {35 011, 2790}, {197 663, 15 210}, {10 519, -90}, {1727, -60}, {2041, 60}, {1, 0}}

$\frac{30}{161}$ is a relation number with a list

{{161, 150}, {1771, 60}, {4669, -90}, {1771, -30}, {1, 0}}

$\frac{30}{163}$ is a relation number with a list

{{163, 150}, {2119, -120}, {6683, -120}, {6031, -420}, {24 613, -510}, {21 679, 660}, {16 463, 1500}, {6031, -300}, {5053, 390}, {2771, 180}, {11 573, -480}, {8639, -330}, {9617, -690}, {7009, 240}, {7987, -570}, {1141, -90}, {4727, -120}, {7661, 180}, {12 877, -900}, {45 151, 2880}, {151 427, 4350}, {134 149, 6960}, {311 167, -10 920}, {881 341, 4350}, {278 567, 8730}, {129 259, 4410}, {223 147, -20 430}, {258 029, 5790}, {410 923, -36 210}, {2 055 919, 152 010}, {11 772 023, -944 700}, {71 006 549, 2 838 180}, {8 483 987, 428 220}, {13 107 319, 159 450}, {5 284 297, -269 040}, {15 729 989, 427 170}, {12 274 063, 401 220}, {26 692 391, -1 533 630}, {101 171 003, -7 916 100}, {283 342 411, -13 398 450}, {321 918 643, 8 259 360}, {32 012 711, -2 920 200}, {17 846 707, -284 550}, {13 030 709, 814 140}, {728 447, -24 480}, {970 339, 61 260}, {1 600 823, 32 040}, {191 851, 3360}, {53 953, 1530}, {65 689, -4500}, {295 193, -27 120}, {509 701, 11 490}, {674 983, 9420}, {530 891, 27 900}, {128 933, -8460}, {331 379, 23 790}, {274 003, 5340}, {271 069, 22 290}, {585 007, -27 510}, {1 189 411, -105 930}, {3 941 503, 143 730}, {9 909 259, -281 280}, {10 506 817, 561 840}, {27 407 309, -782 700}, {2 087 867, -2460}, {109 699, -2820}, {45 803, -3990}, {311 819, -19 080}, {1 065 857, 28 680}, {765 611, 24 810}, {570 337, 49 800}, {3 673 531, 4080}, {249 553, 22 020}, {1 195 279, 69 420}, {2 467 657, -38 790}, {2 429 189, 63 510}, {2 576 867, -81 810}, {6 643 391, 114 780}, {2 257 387, -12 990}, {468 299, -37 380}, {2 875 483, -257 820}, {6 432 469, -588 510}, {6 705 983, -342 810}, {24 485 371, 1 799 910}, {116 279 147, 6 229 650}, {339 725 089, -15 015 510}, {917 957 483, 82 238 910}, {2 172 704 099, -191 120 130}, {11 472 375 047, 519 619 860}, {6 640 314 701, 370 114 290},

{3 544 030 597, -319 276 830}, {5 213 631 121, -225 666 750}, {3 797 226 973, 256 754 640},
{8 817 098 201, 341 242 740}, {8 999 725 357, 694 733 160}, {5 184 332 849, 304 926 030},
{96 225 257, 8 205 870}, {365 964 829, 9 552 990}, {481 047 067, -36 515 490},
{1 034 348 611, -50 526 660}, {3 881 911 993, 337 702 380}, {27 251 287 519, -125 830 350},
{8 785 444 253, -510 041 040}, {18 703 691 399, -519 156 960}, {2 288 656 757, 43 674 690},
{2 864 378 951, -261 633 870}, {2 215 759 897, -173 579 040}, {6 645 122 549, 163 723 650},
{11 010 177 463, -343 585 560}, {2 516 645 509, 41 094 810}, {1 607 522 137, -106 394 280},
{1 892 093 731, 69 637 860}, {1 935 056 293, -45 679 380}, {2 693 140 279, -10 689 090},
{83 195 363, -3 249 750}, {211 596 331, -15 508 290}, {899 715 827, 43 973 220},
{3 300 982 601, -122 878 860}, {2 729 698 897, -66 688 620}, {739 127 249, -12 610 140},
{793 974 793, 9 628 200}, {727 370 059, -37 064 880}, {2 270 189 183, 192 008 220},
{5 527 241 491, 238 455 150}, {6 972 005 683, 372 452 550}, {17 048 621 021, -1 091 888 460},
{68 719 877 257, 908 196 600}, {49 399 487 909, -2 565 161 160},
{107 812 416 647, -1 422 971 610}, {54 348 391 219, 1 880 630 460},
{30 952 415 723, 1 082 471 040}, {71 596 843 231, -5 137 449 090},
{53 373 376 727, 2 421 927 720}, {14 827 602 581, -931 740 090}, {13 078 934 017, 222 191 160},
{4 946 140 949, 196 148 520}, {6 915 755 687, 151 247 010}, {6 781 903 999, 310 801 170},
{9 082 643 783, -511 023 810}, {18 872 921 911, -68 172 810}, {1 784 272 817, -53 220 150},
{4 109 602 129, 354 831 060}, {24 184 406 333, 27 067 710}, {2 109 432 389, 141 406 740},
{1 901 999 893, 54 749 160}, {2 317 975 241, 34 932 330}, {2 027 958 143, 95 312 340},
{4 303 037 489, -303 490 380}, {8 830 063 547, -713 979 840}, {42 755 791 121, 1 658 746 230},
{60 572 570 017, -2 815 817 010}, {224 190 885 089, 5 094 785 640}, {3 311 659 427, 300 340 380},
{1 290 185 261, 39 255 480}, {855 029 377, 53 418 930}, {53 219 011, -389 400},
{20 992 607, 1 653 480}, {81 929 179, 1 904 580}, {5 254 957, -15 030}, {903 509, -44 460},
{2 332 367, 50 610}, {702 041, -20 010}, {275 633, -14 910}, {1 182 239, -36 840},
{547 517, 41 280}, {1 772 951, -123 870}, {6 319 673, -417 600}, {9 074 699, 408 990},
{12 537 797, -254 160}, {13 684 991, -1 128 720}, {22 877 213, 1 281 960},
{32 284 921, -989 130}, {58 088 147, 862 140}, {52 937 021, 4 126 680},
{115 700 497, 8 777 400}, {259 870 411, -4 151 100}, {268 768 907, -15 904 080},
{260 873 839, -368 820}, {19 250 137, 112 830}, {7 138 259, 1770}, {24 613, 1410},
{104 809, -1650}, {128 933, 7920}, {360 719, 29 550}, {997 397, 43 830},
{1 742 959, -86 910}, {775 717, -32 100}, {866 671, 31 530}, {2 503 843, 70 260},
{4 159 271, 30 270}, {2 001 803, 144 420}, {3 272 551, -50 370}, {244 337, -19 200},
{857 869, -28 200}, {1 934 647, 32 310}, {644 339, -48 570}, {2 107 427, -159 510},
{5 508 911, 361 530}, {14 011 643, -383 700}, {30 196 891, 1 408 290}, {101 516 563, 5 342 910},
{207 499, 9570}, {495 683, -9000}, {111 329, 8280}, {601 307, 21 600},
{569 359, 42 060}, {3 175 403, 157 380}, {4 531 889, -203 850}, {7 691 807, -667 140},
{51 161 299, -4 250 460}, {25 391 977, -1 166 220}, {43 172 669, -607 500},
{6 547 547, -206 760}, {11 209 999, 690 840}, {25 519 117, -115 560}, {3 201 809, -21 000},
{1 598 867, 108 240}, {4 031 479, 164 640}, {13 059 397, 397 050}, {7 050 239, 160 350},
{841 243, 29 220}, {1 000 331, 24 000}, {1 250 047, -810}, {35 371, -1830},
{97 963, 8220}, {110 351, 600}, {7987, 690}, {47 759, 1800}, {137 083, 9360},
{540 671, -33 030}, {1 987 133, 102 060}, {7 822 859, -641 700}, {19 960 817, -1 731 540},
{133 279 069, -12 117 660}, {2 476 133, 44 760}, {2 336 279, -13 950}, {1 080 527, -86 280},
{6 701 419, 496 350}, {40 339 403, 763 680}, {22 108 831, 1 662 570}, {80 753 623, 3 471 570},
{147 924 619, -5 867 280}, {202 546 897, 12 876 180}, {565 933 229, -15 627 540},
{544 711 607, -40 947 270}, {2 020 726 811, 20 027 370}, {332 122 117, -24 742 500},
{1 706 547 571, 50 123 130}, {384 867 613, 24 099 240}, {117 397 001, 4 263 300},
{321 990 037, 16 225 740}, {411 536 369, 6 205 530}, {321 336 407, 6 093 000},
{259 592 659, 10 174 590}, {806 309 003, -26 053 440}, {219 664 831, 1 654 170},
{55 383 977, -4 602 090}, {25 900 211, -1 735 800}, {22 296 607, -217 830},

{12 705 361, -430 140}, {32 410 757, -1 469 220}, {14 330 471, 530 550},
{916 223, -27 540}, {1 206 689, -47 220}, {3 428 053, 125 700}, {5 566 939, -2700},
{75 143, -2460}, {182 071, -1140}, {53 627, -1710}, {100 571, -1080}, {21 353, 810},
{47 759, 180}, {9617, -750}, {21 679, -1440}, {12 877, -90}, {1141, 30}, {1, 0}}

$\frac{30}{167}$ is a relation number with a list
{{167, 180}, {2171, -30}, {1837, -60}, {3841, -330}, {19 873, 1560},
{67 969, -4110}, {317 467, 2010}, {18 871, -60}, {4843, -420}, {32 899, -780},
{23 213, -990}, {73 981, -5850}, {345 523, -16 170}, {994 151, -21 540},
{552 937, -21 300}, {144 121, 10 170}, {290 747, -25 200}, {1 946 051, 13 320},
{222 277, -11 640}, {186 539, -300}, {10 187, 690}, {27 221, 2130},
{78 323, -3960}, {146 459, 3570}, {14 863, 780}, {7181, -30}, {1837, -60}}

$\frac{30}{169}$ is a relation number with a list {{169, 180}, {1859, -60}, {1, 0}}

$\frac{30}{173}$ is a relation number with a list
{{173, 180}, {1211, -60}, {1903, -150}, {8131, 570}, {26 123, -1050},
{21 971, -1230}, {29 237, -150}, {2249, -180}, {15 397, 900},
{16 781, -1440}, {86 327, -5370}, {70 411, -1050}, {10 553, -480}, {1211, 90},
{7093, -420}, {8131, -660}, {36 503, -240}, {3979, -120}, {3287, -240},
{12 629, -90}, {5017, 90}, {3979, 300}, {13 667, -240}, {2249, 180}}

$\frac{30}{179}$ is a relation number with a list {{179, 180}, {1, 0}}

$\frac{30}{181}$ is a relation number with a list {{181, 180}, {1, 0}}

$\frac{30}{187}$ is a relation number with a list {{187, 180}, {1309, 60}, {1, 0}}

$\frac{30}{191}$ is a relation number with a list {{191, 180}, {2101, 60}, {1, 0}}

$\frac{30}{193}$ is a relation number with a list
{{193, 180}, {2509, 30}, {2123, 150}, {4439, -30}, {1, 0}}

$\frac{30}{197}$ is a relation number with a list
{{197, 210}, {2561, -30}, {2167, 30}, {1379, 30}, {1, 0}}

$\frac{30}{199}$ is a relation number with a list

{{199, 210}, {2189, 120}, {5771, 390}, {15 721, 600}, {24 079, -390}, {20 099, -1170},
{41 591, -840}, {81 391, -4620}, {352 031, 17 190}, {1 637 969, -36 210},
{1 695 281, -49 830}, {211 139, 14 790}, {811 721, 6330}, {294 719, 15 630},
{447 949, -3990}, {212 731, 7740}, {746 449, -35 160}, {1 609 711, 40 590},
{2 763 911, -160 680}, {6 437 849, 52 170}, {4 166 861, -297 060}, {1 596 179, 80 040},
{919 579, 14 490}, {1 335 091, 65 730}, {4 077 709, 170 940}, {4 945 349, 277 320},
{9 235 789, 506 520}, {23 567 371, 1 317 120}, {28 017 011, -239 340}, {2 831 969, 187 500},
{3 874 331, -67 980}, {105 271, 6780}, {638 591, -1440}, {133 529, -4740},
{160 991, 3270}, {151 439, -11 340}, {799 781, 34 170}, {2 760 329, 141 750},
{13 348 721, 35 070}, {2 576 851, 13 530}, {1 224 049, -75 480}, {3 257 431, 202 650},
{2 991 169, 194 580}, {14 421 331, -411 840}, {1 379 269, -31 740}, {2 875 351, 185 790},
{17 611 699, -198 210}, {5 769 209, 305 940}, {8 686 549, -643 680}, {63 423 091, -3 795 810},
{220 030 121, -7 552 320}, {201 555 359, -14 035 410}, {1 006 864 181, -60 852 330},
{5 497 460 371, -321 829 380}, {5 245 821 289, 12 967 110}, {1 165 793 939, 55 762 560},
{1 038 744 379, 21 469 290}, {1 635 473 341, 80 974 620}, {3 180 207 259, -186 610 440},
{1 558 126 021, -22 325 100}, {921 564 821, -3 044 940}, {209 347 801, 6 303 630},
{264 274 189, 19 372 140}, {1 380 218 429, 98 333 610}, {706 029 911, -15 958 890},
{763 911 449, 48 731 730}, {3 143 449 969, -219 875 670}, {12 972 927 211, -729 469 590},
{31 347 556 391, -1 334 181 960}, {131 612 890 889, -7 567 398 750},
{590 455 315 661, 7 314 839 640}, {407 292 340 621, 17 967 440 520},
{1 185 799 476 461, -245 860 080}, {3 245 813 579, 5 707 080}, {301 473 259, 496 830},
{20 407 649, -420 210}, {36 345 559, 1 433 340}, {101 899 741, -6 638 970},
{460 723 009, -1 496 160}, {18 759 929, 782 190}, {2 513 569, 84 420},
{3 787 169, -242 610}, {18 823 609, 37 980}, {2 879 729, -177 810}, {6 919 031, 80 190},
{4 515 509, 301 020}, {41 591, -600}, {38 009, 930}, {24 079, 60}, {3781, -30}, {1, 0}}

$\frac{30}{203}$ is a relation number with a list {{203, 210}, {1, 0}}

$\frac{30}{209}$ is a relation number with a list {{209, 210}, {1, 0}}

$\frac{30}{211}$ is a relation number with a list {{211, 210}, {1, 0}}

$\frac{30}{217}$ is a relation number with a list {{217, 210}, {1, 0}}

$\frac{30}{221}$ is a relation number with a list {{221, 210}, {2431, -120},
{6851, 450}, {22 321, -540}, {40 001, 120}, {9061, -540}, {1547, 90}, {1, 0}}

$\frac{30}{223}$ is a relation number with a list

{{223, 210}, {2899, 30}, {2453, -90}, {5129, -60}, {6467, -330},
{29 659, 1770}, {96 113, 6120}, {402 961, -9510}, {789 643, 3870}, {36 349, 2370},
{178 177, 1170}, {75 151, -1950}, {200 477, 3330}, {150 971, -8880}, {2453, 90}}

$\frac{30}{227}$ is a relation number with a list

{{227, 240}, {2951, 120}, {11 123, 690}, {18 841, -240}, {27 013, 930}, {9761, -450},
{31 553, 2070}, {114 181, 2100}, {177 287, 8100}, {207 251, -3570}, {43 357, -2460},
{209 521, 4620}, {367 967, -21 120}, {2 026 429, 26 340}, {397 477, 9240}, {35 639, 1530},
{101 923, -2910}, {16 571, 810}, {84 217, -5340}, {277 621, 1410}, {33 823, 1770},
{43 811, 2280}, {111 457, 2010}, {205 889, -6300}, {456 497, -17 820}, {1 548 821, -48 660},
{1 883 873, 91 140}, {6 825 209, 57 450}, {2 574 407, -112 410}, {2 502 221, 53 940},
{4 762 687, 285 210}, {19 495 441, -330 420}, {150 047, -8280}, {228 589, -6540},
{70 597, 1110}, {100 561, 540}, {27 467, -840}, {57 431, 930}, {51 983, 1860},
{22 019, -270}, {27 467, -420}, {37 909, -150}, {9307, -390}, {12 031, -510},
{47 443, 2910}, {200 441, -1680}, {118 267, -6240}, {66 511, 1290}, {129 163, -2640},
{44 719, 2370}, {70 597, 3150}, {294 419, 14 670}, {231 313, -2040}, {180 011, -11 070},
{656 257, 2280}, {86 941, -510}, {54 707, -90}, {2951, 150}, {11 123, -240}, {18 841, 300},
{13 393, -840}, {10 669, 330}, {24 743, -300}, {32 461, 540}, {13 847, -30}, {2951, 180},
{16 117, 390}, {28 829, 900}, {6583, -150}, {3859, -120}, {4313, 120}, {1589, 60},
{6583, -300}, {3859, -240}, {4313, 240}, {1589, -90}, {7037, -30}, {2951, 180}}

$\frac{30}{229}$ is a relation number with a list

{{229, 240}, {2519, 150}, {7099, 60}, {4351, 60}, {6641, 180}, {4351, -180},
{7099, -300}, {23 129, -990}, {82 211, -540}, {29 999, -1830}, {164 651, -9240},
{382 201, 13 020}, {1 058 209, -68 280}, {7 788 061, -332 070}, {34 453 279, 685 980},
{35 329 891, -275 160}, {25 055 119, -647 370}, {44 039 219, -1 754 850},
{38 464 901, 1 264 950}, {118 255 829, -4 675 020}, {316 095 341, 6 077 040},
{20 440 769, -829 440}, {67 607 899, 3 946 230}, {119 535 481, -4 574 190},
{138 897 889, 7 891 830}, {722 506 679, -8 850 000}, {731 270 509, 14 857 770},
{741 909 391, 661 380}, {36 403 901, 1 154 220}, {121 630 831, 6 564 510},
{708 722 711, -17 740 470}, {205 204 381, 3 284 460}, {359 040 169, -431 940},
{22 448 641, 1 075 320}, {30 475 091, 1 278 660}, {48 719 521, 780 480},
{75 515 269, 658 980}, {61 241 699, 1 529 250}, {16 419 071, -409 860}, {5 649 659, 138 570},
{7 261 819, -338 640}, {34 436 791, -855 270}, {51 751 939, 755 340}, {83 933 309, 2 957 220},
{259 033 121, -1 486 020}, {106 631 789, -5 037 060}, {195 458 141, -1 222 590},
{35 783 311, -1 293 090}, {96 914 861, 4 103 400}, {358 783 231, 364 800},
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{{263, 270}, {1841, -30}, {2893, 30}, {3419, 90}, {1, 0}}

$\frac{30}{269}$ is a relation number with a list {{269, 270}, {1, 0}}

$\frac{30}{271}$ is a relation number with a list {{271, 270}, {1, 0}}

$\frac{30}{277}$ is a relation number with a list
{{277, 270}, {1939, 30}, {3047, -60}, {3601, -150}, {1, 0}}

$\frac{30}{281}$ is a relation number with a list {{281, 270}, {3091, -30}, {1, 0}}

$\frac{30}{283}$ is a relation number with a list
{{283, 270}, {3679, -30}, {3113, -90}, {10 471, -60}, {8207, -420}, {54 619, -2730},
{5377, -240}, {27 451, -990}, {76 127, -2280}, {251 021, -6600}, {62 543, 1860},
{197 251, -3630}, {348 373, 6750}, {743 441, -18 810}, {2 535 397, -52 170},
{5 924 039, -307 650}, {22 268 987, 279 840}, {33 454 279, -1 174 140},
{163 675 597, -2 616 990}, {338 120 759, -12 098 820}, {182 874 883, -7 361 250},
{327 251 861, 1 773 150}, {220 991 587, -9 841 380}, {1 268 187 241, 38 062 470},
{3 431 581 873, -141 478 890}, {10 213 049 179, 19 723 560}, {1 062 636 983, 50 584 020},
{105 435 329, -2 318 430}, {312 992 057, 7 471 710}, {231 992 929, 494 610},
{5 897 437, -63 450}, {965 879, 38 100}, {3 786 257, -54 690}, {3 579 101, 78 540},
{9 548 137, 40 920}, {3 898 891, 7680}, {721 367, -32 280}, {3 171 581, -57 570},
{1 480 373, 28 410}, {863 999, -19 890}, {2 470 307, -129 600}, {2 237 681, 90 750},
{8 792 527, 415 710}, {17 720 611, -700 200}, {61 017 913, 2 361 630},
{108 804 161, 631 290}, {62 905 523, -1 392 540}, {68 266 109, -3 307 560},
{337 520 233, 5 771 700}, {781 542 139, -23 588 700}, {881 556 037, -40 569 030},
{3 102 422 309, -29 718 660}, {3 305 912 327, 420 900}, {46 334 741, 1 231 260},
{128 238 337, 5 001 840}, {512 089 349, -4 108 380}, {412 656 733, -18 430 770},
{2 031 881 419, -46 456 950}, {3 459 499 823, -55 014 630}, {1 817 388 361, -35 996 520},
{4 970 148 163, -176 469 390}, {8 208 483 769, -341 871 840}, {1 007 369 347, 441 900},
{46 030 799, 1 811 640}, {209 363 117, 2 232 810}, {147 449 509, -6 657 630},
{277 806 667, 656 790}, {4 387 349, 164 430}, {14 789 863, 501 210},
{69 741 671, -1 373 340}, {84 523 327, 3 372 210}, {61 715 791, -841 830},
{74 202 883, -2 256 990}, {78 613 721, -2 959 800}, {368 148 757, 18 069 630},

{1 911 992 431, 46 587 540}, {538 631 353, -5 532 810}, {551 505 589, 12 729 000},
{1 176 880 687, -15 665 430}, {558 482 671, 6 916 560}, {497 708 987, -5 241 690},
{71 192 329, -3 339 060}, {303 395 527, -12 253 950}, {835 762 109, 12 596 940},
{1 235 031 527, 30 038 130}, {981 499 751, -30 973 830}, {2 734 574 947, 69 065 790},
{7 940 032 799, -186 528 000}, {22 829 949 883, -455 568 660}, {14 579 277 889, -648 892 110},
{85 933 365 727, -1 445 585 730}, {182 197 566 931, -3 501 937 680},
{27 396 542 593, -706 912 110}, {48 967 404 251, -2 388 618 360},
{337 783 510 447, -4 362 350 250}, {532 759 158 751, 7 932 069 270},
{370 876 498 063, 3 790 403 100}, {164 990 623 571, -5 783 578 590},
{773 483 017 537, -3 140 582 430}, {254 626 351 231, 1 957 531 740},
{41 664 683 773, 1 887 616 170}, {38 807 233 339, -603 952 590}, {43 657 724 857, 318 429 720},
{9 297 460 411, 426 328 350}, {23 139 010 787, -458 888 220}, {55 071 739 721, -1 429 506 840},
{192 164 652 037, -2 865 787 680}, {44 396 325 991, -1 530 132 120},
{6 365 946 613, 216 891 900}, {21 531 068 179, -245 617 830}, {23 574 143 663, -462 877 350},
{9 226 135 921, -62 481 690}, {5 986 638 317, -87 208 890}, {8 709 351 319, -247 709 460},
{11 184 221 977, -150 989 550}, {3 111 663 391, 151 537 650}, {19 987 514 297, -508 799 550},
{40 845 912 701, -1 101 744 120}, {23 030 613 863, 706 616 280},
{81 425 715 691, -1 443 277 110}, {170 421 901 273, 7 068 874 260},
{217 604 086 339, -6 387 260 550}, {123 735 421 837, 2 527 689 810},
{34 350 215 399, -1 628 560 590}, {42 575 371 547, -527 039 430},
{32 494 706 089, 1 031 413 620}, {144 479 919 533, -888 096 390},
{79 181 146 471, -481 554 930}, {58 337 040 133, -228 997 530}, {16 224 394 811, -549 918 390},
{77 303 399 587, -72 522 360}, {1 538 436 959, -24 906 060}, {1 624 069 363, -10 261 050},
{799 040 029, -23 944 890}, {2 507 000 497, -132 409 620}, {2 485 386 089, 59 396 880},
{2 627 052 493, -100 149 240}, {6 557 747 599, 159 636 270}, {3 582 929 707, -21 024 120},
{2 498 693 881, -122 483 340}, {13 874 663 923, 636 713 100}, {37 645 870 391, -607 033 350},
{2 774 161 553, -47 291 730}, {4 542 296 311, -98 874 690}, {1 680 858 407, 6 826 680},
{423 120 941, 3 236 610}, {247 616 227, 2 756 820}, {140 813 159, -3 966 180},
{557 317 843, -84 030}, {8 739 889, 308 250}, {30 815 587, -965 340}, {21 307 919, -122 370},
{4 397 537, -134 130}, {8 137 099, 4830}, {410 633, -17 460}, {2 379 181, -103 020},
{2 751 043, 8340}, {327 431, 60}, {3113, 150}, {10 471, -270}, {16 697, 300},
{29 149, -1470}, {71 033, 1860}, {99 899, -3120}, {16 697, 270}, {12 169, -300},
{37 073, -1560}, {103 861, 1080}, {51 223, 1560}, {72 731, -2010}, {104 993, -1200},
{167 819, -1590}, {204 043, -4260}, {123 671, -540}, {3113, -30}, {1981, 90}, {1, 0}}

$\frac{30}{287}$ is a relation number with a list {{287, 300}, {3731, 90}, {1, 0}}

$\frac{30}{289}$ is a relation number with a list
{{289, 300}, {3179, 90}, {8381, -90}, {3179, 60}, {1, 0}}

$\frac{30}{293}$ is a relation number with a list
{{293, 300}, {2051, 90}, {5567, -150}, {4981, -90}, {9083, -330}, {46 001, -2220},
{181 367, 510}, {56 549, 1110}, {17 873, 510}, {6739, -300}, {40 727, -330},
{40 141, 1950}, {237 037, 11 130}, {968 951, -12 840}, {1 743 643, -12 990},
{874 019, 42 000}, {2 338 433, -95 070}, {11 226 881, 267 270}, {451 513, -3510},
{374 161, -5940}, {17 287, 510}, {15 529, 30}, {3223, 120}, {4981, 30}, {1, 0}}

$\frac{30}{299}$ is a relation number with a list {{299, 300}, {1, 0}}

Unresolved cases are :{{28, 17}, {29, 17}}: END

In[14]:=
```
RelNumMin[28, 17, 10];
RelNumMin[29, 17, 10];
```

$\frac{28}{17}$ is a relation number with a list
{{11, -28}, {19, -168}, {13, -336}, {3, -112}, {5, -28}, {1, 84}}

$\frac{29}{17}$ is a relation number with a list {{12, -29}, {1, 203}}

In[6]:=
```
listgood = {};
excp = {};
excp2 = {};
T = {2, 2, 2, 2, 2, 3, 6, 2, 4, 6, 12, 12, 1680, 6, 60, 60};
For[s = 12, s ≤ 27, s++,
  l0 = VerifyList[s, T[[s - 11]]]; l = l0[[2]]; flag = l0[[1]];
  If[flag, listgood = Append[listgood, s];
   Print[s, "/r is a relation number for almost all r;"];
   Print["this is certified by the list of s--good coset ", l];
   excp = Union[excp, l0[[3]]];];];
Print["The list of s such that s/r is a relation number
for almost all r:"];
Print[listgood];
Print["Pairs of (s,r) that require individual verifications:", excp];
For[i = 1, i ≤ Length[excp], i++, s = excp[[i, 1]]; r = excp[[i, 2]];
  If[! RelNum[s, Abs[r], 5000], Print["No answer found for s/r = ", s / r];
   excp2 = Append[excp2, {s, r}]]];
If[excp2 == {}, Print["Individual verification is complete."]];
```

12/r is a relation number for almost all r;

this is certified by the list of s--good coset
{{5, 2, 1}, {7, 2, 2}, {17, 2, 2}, {19, 2, 1}}

13/r is a relation number for almost all r;

this is certified by the list of s--good coset
{{5, 2, 1}, {8, 2, 1}, {18, 2, 1}, {21, 2, 1}}

14/r is a relation number for almost all r;

this is certified by the list of s--good coset {}

15/r is a relation number for almost all r;

this is certified by the list of s--good coset {}

16/r is a relation number for almost all r;

this is certified by the list of s--good coset
{{7, 2, 2}, {9, 2, 2}, {23, 2, 2}, {25, 2, 2}}

17/r is a relation number for almost all r;

this is certified by the list of s--good coset
{{5, 3, 1}, {7, 3, 3}, {10, 3, 1}, {12, 3, 1}, {22, 3, 3}, {24, 3, 1},
{27, 3, 1}, {29, 3, 3}, {39, 3, 1}, {41, 3, 1}, {44, 3, 3}, {46, 3, 1}}

18/r is a relation number for almost all r;

```
this is certified by the list of s--good coset
 {{5, 2, 1}, {7, 2, 1}, {11, 3, 1}, {13, 6, 3}, {23, 3, 3}, {25, 6, 3},
  {29, 2, 1}, {31, 2, 1}, {41, 2, 1}, {43, 2, 1}, {47, 3, 3}, {49, 3, 1},
  {59, 3, 1}, {61, 3, 3}, {65, 2, 1}, {67, 2, 1}, {77, 2, 1}, {79, 2, 1},
  {83, 6, 3}, {85, 3, 3}, {95, 6, 3}, {97, 3, 1}, {101, 2, 1}, {103, 2, 1}}

19/r is a relation number for almost all r;

this is certified by the list of s--good coset
 {{7, 2, 2}, {8, 2, 1}, {11, 2, 2}, {12, 2, 1}, {26, 2, 1}, {27, 2, 2}, {30, 2, 1}, {31, 2, 2}}

20/r is a relation number for almost all r;

this is certified by the list of s--good coset {{9, 2, 2}, {11, 4, 4},
  {29, 4, 4}, {31, 2, 2}, {49, 2, 2}, {51, 4, 4}, {69, 4, 4}, {71, 2, 2}}

21/r is a relation number for almost all r;

this is certified by the list of s--good coset
 {{8, 2, 1}, {13, 6, 3}, {29, 6, 3}, {34, 2, 1}, {50, 2, 1}, {55, 3, 1},
  {71, 3, 1}, {76, 2, 1}, {92, 2, 1}, {97, 6, 3}, {113, 6, 3}, {118, 2, 1}}

22/r is a relation number for almost all r;

this is certified by the list of s--good coset
 {{5, 2, 1}, {9, 2, 1}, {13, 3, 1}, {17, 12, 2}, {27, 4, 4}, {31, 12, 2}, {35, 2, 1},
  {39, 2, 1}, {49, 2, 1}, {53, 2, 1}, {57, 3, 1}, {61, 3, 1}, {71, 3, 1}, {75, 3, 1},
  {79, 2, 1}, {83, 2, 1}, {93, 2, 1}, {97, 2, 1}, {101, 4, 4}, {105, 6, 1}, {115, 4, 4},
  {119, 3, 1}, {123, 2, 1}, {127, 2, 1}, {137, 2, 1}, {141, 2, 1}, {145, 3, 1}, {149, 4, 4},
  {159, 6, 1}, {163, 4, 4}, {167, 2, 1}, {171, 2, 1}, {181, 2, 1}, {185, 2, 1}, {189, 3, 1},
  {193, 3, 1}, {203, 3, 1}, {207, 3, 1}, {211, 2, 1}, {215, 2, 1}, {225, 2, 1}, {229, 2, 1},
  {233, 12, 2}, {237, 4, 4}, {247, 12, 2}, {251, 3, 1}, {255, 2, 1}, {259, 2, 1}}

23/r is a relation number for almost all r;

this is certified by the list of s--good coset
 {{5, 2, 1}, {7, 2, 2}, {9, 2, 1}, {10, 3, 1}, {13, 2, 2}, {14, 3, 1}, {16, 2, 1}, {18, 3, 1},
  {28, 6, 1}, {30, 2, 1}, {32, 4, 1}, {33, 2, 2}, {36, 3, 1}, {37, 2, 1}, {39, 2, 2},
  {41, 2, 1}, {51, 2, 1}, {53, 2, 2}, {55, 2, 1}, {56, 3, 3}, {59, 2, 2}, {60, 3, 1},
  {62, 2, 1}, {64, 3, 1}, {74, 3, 1}, {76, 2, 1}, {78, 3, 1}, {79, 2, 2}, {82, 3, 3},
  {83, 2, 1}, {85, 2, 2}, {87, 2, 1}, {97, 2, 1}, {99, 2, 2}, {101, 2, 1}, {102, 3, 1},
  {105, 2, 2}, {106, 4, 2}, {108, 2, 1}, {110, 4, 1}, {120, 3, 1}, {122, 2, 1},
  {124, 3, 1}, {125, 2, 2}, {128, 3, 1}, {129, 2, 1}, {131, 2, 2}, {133, 2, 1},
  {143, 2, 1}, {145, 2, 2}, {147, 2, 1}, {148, 3, 1}, {151, 2, 2}, {152, 3, 1},
  {154, 2, 1}, {156, 3, 1}, {166, 4, 1}, {168, 2, 1}, {170, 4, 2}, {171, 2, 2},
  {174, 3, 1}, {175, 2, 1}, {177, 2, 2}, {179, 2, 1}, {189, 2, 1}, {191, 2, 2},
  {193, 2, 1}, {194, 3, 3}, {197, 2, 2}, {198, 3, 1}, {200, 2, 1}, {202, 3, 1},
  {212, 3, 1}, {214, 2, 1}, {216, 3, 1}, {217, 2, 2}, {220, 3, 3}, {221, 2, 1},
  {223, 2, 2}, {225, 2, 1}, {235, 2, 1}, {237, 2, 2}, {239, 2, 1}, {240, 3, 1},
  {243, 2, 2}, {244, 4, 1}, {246, 2, 1}, {248, 6, 1}, {258, 3, 1}, {260, 2, 1},
  {262, 3, 1}, {263, 2, 2}, {266, 3, 1}, {267, 2, 1}, {269, 2, 2}, {271, 2, 1}}

For s = 24, the following remainders are not eliminated:
 {1261, 6299, 34 021, 39 059} modulo 1680 * s

25/r is a relation number for almost all r;
```

```
this is certified by the list of s--good coset
 {{7, 2, 1}, {9, 2, 2}, {11, 2, 2}, {14, 3, 3}, {16, 2, 1}, {18, 3, 1}, {32, 3, 3}, {34, 2, 1},
  {36, 3, 1}, {39, 2, 2}, {41, 2, 2}, {43, 2, 1}, {57, 2, 1}, {59, 2, 2}, {61, 2, 2},
  {64, 6, 3}, {66, 2, 1}, {68, 3, 3}, {82, 3, 3}, {84, 2, 1}, {86, 6, 3}, {89, 2, 2},
  {91, 2, 2}, {93, 2, 1}, {107, 2, 1}, {109, 2, 2}, {111, 2, 2}, {114, 3, 1}, {116, 2, 1},
  {118, 3, 3}, {132, 3, 1}, {134, 2, 1}, {136, 3, 3}, {139, 2, 2}, {141, 2, 2}, {143, 2, 1}}

26/r is a relation number for almost all r;

this is certified by the list of s--good coset
 {{7, 2, 2}, {11, 3, 1}, {15, 2, 2}, {19, 4, 2}, {33, 12, 2}, {37, 2, 2}, {41, 30, 1},
  {45, 2, 2}, {59, 2, 2}, {63, 3, 1}, {67, 2, 2}, {71, 3, 1}, {85, 3, 1}, {89, 2, 2},
  {93, 3, 1}, {97, 2, 2}, {111, 2, 2}, {115, 4, 2}, {119, 2, 2}, {123, 4, 2}, {137, 5, 5},
  {141, 2, 2}, {145, 3, 1}, {149, 2, 2}, {163, 2, 2}, {167, 3, 1}, {171, 2, 2}, {175, 5, 1},
  {189, 4, 2}, {193, 2, 2}, {197, 4, 2}, {201, 2, 2}, {215, 2, 2}, {219, 3, 1}, {223, 2, 2},
  {227, 3, 1}, {241, 3, 1}, {245, 2, 2}, {249, 3, 1}, {253, 2, 2}, {267, 2, 2}, {271, 5, 5},
  {275, 2, 2}, {279, 12, 2}, {293, 4, 2}, {297, 2, 2}, {301, 3, 1}, {305, 2, 2},
  {319, 2, 2}, {323, 3, 1}, {327, 2, 2}, {331, 4, 2}, {345, 5, 1}, {349, 2, 2}, {353, 5, 5},
  {357, 2, 2}, {371, 2, 2}, {375, 3, 1}, {379, 2, 2}, {383, 3, 1}, {397, 3, 1}, {401, 2, 2},
  {405, 3, 1}, {409, 2, 2}, {423, 2, 2}, {427, 4, 2}, {431, 2, 2}, {435, 4, 2}, {449, 5, 5},
  {453, 2, 2}, {457, 3, 1}, {461, 2, 2}, {475, 2, 2}, {479, 3, 1}, {483, 2, 2},
  {487, 20, 4}, {501, 4, 2}, {505, 2, 2}, {509, 4, 2}, {513, 2, 2}, {527, 2, 2},
  {531, 3, 1}, {535, 2, 2}, {539, 3, 1}, {553, 3, 1}, {557, 2, 2}, {561, 3, 1},
  {565, 2, 2}, {579, 2, 2}, {583, 20, 4}, {587, 2, 2}, {591, 5, 5}, {605, 4, 2},
  {609, 2, 2}, {613, 3, 1}, {617, 2, 2}, {631, 2, 2}, {635, 3, 1}, {639, 2, 2},
  {643, 4, 2}, {657, 5, 5}, {661, 2, 2}, {665, 5, 1}, {669, 2, 2}, {683, 2, 2},
  {687, 3, 1}, {691, 2, 2}, {695, 3, 1}, {709, 3, 1}, {713, 2, 2}, {717, 3, 1}, {721, 2, 2},
  {735, 2, 2}, {739, 4, 2}, {743, 2, 2}, {747, 4, 2}, {761, 30, 1}, {765, 2, 2},
  {769, 3, 1}, {773, 2, 2}, {787, 2, 2}, {791, 3, 1}, {795, 2, 2}, {799, 30, 1},
  {813, 4, 2}, {817, 2, 2}, {821, 4, 2}, {825, 2, 2}, {839, 2, 2}, {843, 3, 1}, {847, 2, 2},
  {851, 3, 1}, {865, 3, 1}, {869, 2, 2}, {873, 3, 1}, {877, 2, 2}, {891, 2, 2}, {895, 5, 1},
  {899, 2, 2}, {903, 5, 5}, {917, 4, 2}, {921, 2, 2}, {925, 3, 1}, {929, 2, 2},
  {943, 2, 2}, {947, 3, 1}, {951, 2, 2}, {955, 4, 2}, {969, 5, 5}, {973, 2, 2},
  {977, 20, 4}, {981, 2, 2}, {995, 2, 2}, {999, 3, 1}, {1003, 2, 2}, {1007, 3, 1},
  {1021, 3, 1}, {1025, 2, 2}, {1029, 3, 1}, {1033, 2, 2}, {1047, 2, 2}, {1051, 4, 2},
  {1055, 2, 2}, {1059, 4, 2}, {1073, 20, 4}, {1077, 2, 2}, {1081, 3, 1}, {1085, 2, 2},
  {1099, 2, 2}, {1103, 3, 1}, {1107, 2, 2}, {1111, 5, 5}, {1125, 4, 2}, {1129, 2, 2},
  {1133, 4, 2}, {1137, 2, 2}, {1151, 2, 2}, {1155, 3, 1}, {1159, 2, 2}, {1163, 3, 1},
  {1177, 3, 1}, {1181, 2, 2}, {1185, 3, 1}, {1189, 2, 2}, {1203, 2, 2}, {1207, 5, 5},
  {1211, 2, 2}, {1215, 5, 1}, {1229, 4, 2}, {1233, 2, 2}, {1237, 3, 1}, {1241, 2, 2},
  {1255, 2, 2}, {1259, 3, 1}, {1263, 2, 2}, {1267, 4, 2}, {1281, 12, 2}, {1285, 2, 2},
  {1289, 5, 5}, {1293, 2, 2}, {1307, 2, 2}, {1311, 3, 1}, {1315, 2, 2}, {1319, 3, 1},
  {1333, 3, 1}, {1337, 2, 2}, {1341, 3, 1}, {1345, 2, 2}, {1359, 2, 2}, {1363, 4, 2},
  {1367, 2, 2}, {1371, 4, 2}, {1385, 5, 1}, {1389, 2, 2}, {1393, 3, 1}, {1397, 2, 2},
  {1411, 2, 2}, {1415, 3, 1}, {1419, 2, 2}, {1423, 5, 5}, {1437, 4, 2}, {1441, 2, 2},
  {1445, 4, 2}, {1449, 2, 2}, {1463, 2, 2}, {1467, 3, 1}, {1471, 2, 2}, {1475, 3, 1},
  {1489, 3, 1}, {1493, 2, 2}, {1497, 3, 1}, {1501, 2, 2}, {1515, 2, 2}, {1519, 30, 1},
  {1523, 2, 2}, {1527, 12, 2}, {1541, 4, 2}, {1545, 2, 2}, {1549, 3, 1}, {1553, 2, 2}}

27/r is a relation number for almost all r;

this is certified by the list of s--good coset
 {{5, 2, 1}, {8, 2, 1}, {10, 3, 1}, {11, 2, 1}, {16, 3, 1}, {17, 5, 1}, {19, 6, 2},
  {22, 3, 3}, {32, 6, 1}, {35, 5, 1}, {37, 10, 10}, {38, 12, 2}, {43, 2, 1}, {44, 6, 3},
```

```
{46, 2, 1}, {49, 2, 1}, {59, 2, 1}, {62, 2, 1}, {64, 12, 1}, {65, 2, 1}, {70, 3, 3},
{71, 3, 1}, {73, 3, 1}, {76, 3, 1}, {86, 3, 1}, {89, 3, 1}, {91, 3, 1}, {92, 3, 3},
{97, 2, 1}, {98, 4, 1}, {100, 2, 1}, {103, 2, 1}, {113, 2, 1}, {116, 2, 1}, {118, 4, 1},
{119, 2, 1}, {124, 4, 1}, {125, 5, 1}, {127, 5, 1}, {130, 4, 1}, {140, 3, 3}, {143, 5, 1},
{145, 5, 1}, {146, 3, 1}, {151, 2, 1}, {152, 3, 1}, {154, 2, 1}, {157, 2, 1}, {167, 2, 1},
{170, 2, 1}, {172, 3, 1}, {173, 2, 1}, {178, 3, 1}, {179, 6, 2}, {181, 6, 2}, {184, 3, 3},
{194, 4, 1}, {197, 10, 10}, {199, 10, 5}, {200, 4, 1}, {205, 2, 1}, {206, 4, 1},
{208, 2, 1}, {211, 2, 1}, {221, 2, 1}, {224, 2, 1}, {226, 4, 1}, {227, 2, 1}, {232, 3, 3},
{233, 3, 1}, {235, 3, 1}, {238, 3, 1}, {248, 3, 1}, {251, 3, 1}, {253, 3, 1}, {254, 3, 3},
{259, 2, 1}, {260, 5, 1}, {262, 2, 1}, {265, 2, 1}, {275, 2, 1}, {278, 2, 1},
{280, 5, 1}, {281, 2, 1}, {286, 10, 1}, {287, 5, 1}, {289, 10, 5}, {292, 6, 1},
{302, 3, 3}, {305, 5, 1}, {307, 6, 2}, {308, 3, 1}, {313, 2, 1}, {314, 3, 1},
{316, 2, 1}, {319, 2, 1}, {329, 2, 1}, {332, 2, 1}, {334, 3, 1}, {335, 2, 1},
{340, 3, 1}, {341, 6, 2}, {343, 6, 2}, {346, 3, 3}, {356, 6, 1}, {359, 12, 4},
{361, 12, 4}, {362, 12, 2}, {367, 2, 1}, {368, 6, 3}, {370, 2, 1}, {373, 2, 1},
{383, 2, 1}, {386, 2, 1}, {388, 5, 1}, {389, 2, 1}, {394, 3, 3}, {395, 3, 1}, {397, 3, 1},
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The list of s such that s/r is a relation number
for almost all r:

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{12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27}
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Pairs of (s,r) that require individual verifications:

{{12, -1}, {12, 1}, {12, 5}, {12, 7}, {12, 17}, {12, 19}, {13, -2}, {13, -1}, {13, 1}, {13, 2}, {13, 5}, {13, 8}, {13, 18}, {13, 21}, {16, -1}, {16, 1}, {16, 7}, {16, 9}, {16, 23}, {16, 25}, {17, -3}, {17, -1}, {17, 1}, {17, 3}, {17, 5}, {17, 7}, {17, 10}, {17, 12}, {17, 22}, {17, 24}, {17, 27}, {17, 29}, {17, 39}, {17, 41}, {17, 44}, {17, 46}, {18, -1}, {18, 1}, {18, 5}, {18, 7}, {18, 11}, {18, 13}, {18, 23}, {18, 25}, {18, 29}, {18, 31}, {18, 43}, {18, 47}, {18, 49}, {18, 83}, {18, 95}, {19, -2}, {19, -1}, {19, 1}, {19, 2}, {19, 7}, {19, 8}, {19, 11}, {19, 12}, {19, 26}, {19, 27}, {19, 30}, {19, 31}, {20, -1}, {20, 1}, {20, 9}, {20, 11}, {20, 29}, {20, 31}, {20, 51}, {20, 69}, {21, -2}, {21, -1}, {21, 1}, {21, 2}, {21, 8}, {21, 13}, {21, 29}, {21, 34}, {21, 55}, {21, 97}, {21, 113}, {22, -3}, {22, -1}, {22, 1}, {22, 3}, {22, 5}, {22, 9}, {22, 13}, {22, 17}, {22, 27}, {22, 31}, {22, 35}, {22, 39}, {22, 53}, {22, 57}, {22, 61}, {22, 75}, {22, 105}, {22, 233}, {22, 247}, {23, -4}, {23, -3}, {23, -2}, {23, -1}, {23, 1}, {23, 2}, {23, 3}, {23, 4}, {23, 5}, {23, 7}, {23, 9}, {23, 10}, {23, 13}, {23, 14}, {23, 16}, {23, 18}, {23, 28}, {23, 30}, {23, 32}, {23, 33}, {23, 36}, {23, 37}, {23, 39}, {23, 41}, {23, 51}, {23, 55}, {23, 56}, {23, 59}, {23, 60}, {23, 64}, {23, 74}, {23, 78}, {23, 110}, {25, -3}, {25, -2}, {25, -1}, {25, 1}, {25, 2}, {25, 3}, {25, 7}, {25, 9}, {25, 11}, {25, 14}, {25, 16}, {25, 18}, {25, 32}, {25, 34}, {25, 36}, {25, 39}, {25, 41}, {25, 43}, {25, 57}, {25, 61}, {25, 64}, {25, 68}, {25, 86}, {26, -5}, {26, -3}, {26, -1}, {26, 1}, {26, 3}, {26, 5}, {26, 7}, {26, 11}, {26, 15}, {26, 19}, {26, 33}, {26, 37}, {26, 41}, {26, 45}, {26, 59}, {26, 63}, {26, 67}, {26, 71}, {26, 85}, {26, 93}, {26, 115}, {26, 119}, {26, 123}, {26, 279}, {26, 457}, {26, 487}, {26, 739}, {26, 761}, {27, -5}, {27, -4}, {27, -2}, {27, -1}, {27, 1}, {27, 2}, {27, 4}, {27, 5}, {27, 8}, {27, 10}, {27, 11}, {27, 16}, {27, 17}, {27, 19}, {27, 22}, {27, 32}, {27, 35}, {27, 37}, {27, 38}, {27, 43}, {27, 44}, {27, 46}, {27, 49}, {27, 59}, {27, 64}, {27, 65}, {27, 70}, {27, 71}, {27, 73}, {27, 76}, {27, 86}, {27, 92}, {27, 98}, {27, 100}, {27, 118}, {27, 125}, {27, 127}, {27, 130}, {27, 143}, {27, 145}, {27, 197}, {27, 199}, {27, 233}, {27, 251}, {27, 254}, {27, 260}, {27, 286}, {27, 287}, {27, 289}, {27, 359}, {27, 361}}

known cases

known cases

$\frac{12}{5}$ is a relation number with a list {{5, 12}, {35, 24}, {55, -12}, {1, 0}}

$\frac{12}{7}$ is a relation number with a list {{7, 12}, {35, -24}, {77, -36}, {35, -12}, {1, 0}}

$\frac{12}{17}$ is a relation number with a list {{17, 12}, {85, 24}, {187, -12}, {85, 24}}

$\frac{12}{19}$ is a relation number with a list {{19, 24}, {95, 24}, {1, 0}}

known cases

known cases

known cases

known cases

$\frac{13}{5}$ is a relation number with a list {{5, 13}, {40, 39}, {1, 0}}

$\frac{13}{8}$ is a relation number with a list {{8, 13}, {20, 13}, {24, -13}, {1, 0}}

$\frac{13}{18}$ is a relation number with a list {{18, 13}, {45, -13}, {1, 0}}

$\frac{13}{21}$ is a relation number with a list {{21, 26}, {105, -26}, {1, 0}}

known cases

known cases

$\frac{16}{7}$ is a relation number with a list {{7, 16}, {63, 32}, {1, 0}}

$\frac{16}{9}$ is a relation number with a list {{9, 16}, {63, -32}, {1, 0}}

$\frac{16}{23}$ is a relation number with a list {{23, 16}, {161, 32}, {1, 0}}

$\frac{16}{25}$ is a relation number with a list {{25, 32}, {175, -16}, {1, 0}}

known cases

known cases

known cases

known cases

$\frac{17}{5}$ is a relation number with a list {{5, 17}, {60, 119}, {295, 408},
{565, -119}, {30, 17}, {20, -17}, {15, 17}, {10, 17}, {35, 34}, {1, 0}}

$\frac{17}{7}$ is a relation number with a list
{{7, 17}, {70, 51}, {133, 34}, {21, 17}, {28, -17}, {42, 17}, {56, -17}, {35, -34}, {1, 0}}

$\frac{17}{10}$ is a relation number with a list
{{10, 17}, {70, -51}, {95, 68}, {270, 221}, {490, -289}, {440, -51}, {95, -68}}

$\frac{17}{12}$ is a relation number with a list {{12, 17}, {30, -17}, {1, 0}}

$\frac{17}{22}$ is a relation number with a list {{22, 17}, {55, 17}, {44, 17}, {154, -17}, {1, 0}}

$\frac{17}{24}$ is a relation number with a list {{24, 17}, {56, 17}, {120, -17}, {1, 0}}

$\frac{17}{27}$ is a relation number with a list {{27, 34}, {189, 34}, {135, 34}, {1, 0}}

$\frac{17}{29}$ is a relation number with a list {{29, 34}, {145, 34},
{261, 68}, {319, 85}, {609, 34}, {87, -17}, {58, 17}, {203, 17}, {1, 0}}

$\frac{17}{39}$ is a relation number with a list
{{39, 34}, {195, -34}, {117, -17}, {78, 17}, {91, 17}, {78, 17}}

$\frac{17}{41}$ is a relation number with a list {{41, 34}, {287, -34}, {615, -119},
{820, -119}, {533, 17}, {246, -17}, {328, -17}, {205, -17}, {1, 0}}

$\frac{17}{44}$ is a relation number with a list {{44, 51}, {308, 17}, {1, 0}}

$\frac{17}{46}$ is a relation number with a list
{{46, 51}, {115, 17}, {92, 17}, {322, -51}, {368, 51}, {506, -85}, {92, 17}}

known cases

known cases

$\frac{18}{5}$ is a relation number with a list {{5, 18}, {65, 144}, {395, 702}, {1535, 2016},
{2405, -1422}, {2195, -792}, {905, 702}, {1015, -144}, {35, 36}, {1, 0}}

$\frac{18}{7}$ is a relation number with a list {{7, 18}, {77, 72}, {35, -36}, {1, 0}}

$\frac{18}{11}$ is a relation number with a list {{11, 18}, {77, 54}, {253, 180},
{803, -648}, {1705, 1242}, {5093, -3006}, {10 109, -18}, {77, -54}}

$\frac{18}{13}$ is a relation number with a list
{{13, 18}, {65, 36}, {91, 36}, {221, 144}, {871, 540}, {2717, 504},
{2561, -540}, {1807, -486}, {1781, -1080}, {4927, 396}, {2275, -1152},
{377, -162}, {689, -198}, {1235, 846}, {5057, -3006}, {12 415, 4698},
{21 827, -630}, {2899, 162}, {221, 36}, {65, 18}, {91, 18}, {1, 0}}

$\frac{18}{23}$ is a relation number with a list {{23, 18}, {115, -36}, {161, 54}, {1, 0}}

$\frac{18}{25}$ is a relation number with a list {{25, 18}, {175, -54}, {325, 54}, {1, 0}}

$\frac{18}{29}$ is a relation number with a list
{{29, 36}, {203, -36}, {377, 108}, {1537, 270}, {2407, -360}, {3277, 270},
{1073, -162}, {1769, 306}, {1943, -432}, {6235, -918}, {5539, -882},
{7163, 1098}, {15 167, -3600}, {22 243, 6048}, {56 521, 18}, {1, 0}}

$\frac{18}{31}$ is a relation number with a list
{{31, 36}, {155, -36}, {341, 72}, {589, 162}, {1829, 288}, {3131, -162},
{1643, -252}, {3751, -900}, {4681, -720}, {11 129, 2934}, {18 817, -3546},
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{671 305, 60 228}, {272 707, -33 084}, {249 085, -13 194}, {49 631, 5562},
{13 237, -3330}, {2573, 144}, {589, -18}, {155, 18}, {217, -54}, {1, 0}}

$\frac{18}{43}$ is a relation number with a list
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$\frac{18}{47}$ is a relation number with a list {{47, 54}, {329, -18}, {235, -36}, {799, -144},
{3055, -252}, {1457, -126}, {2585, -18}, {329, -36}, {235, 18}, {1, 0}}

$\frac{18}{49}$ is a relation number with a list {{49, 54}, {245, -36}, {1, 0}}

$\frac{18}{83}$ is a relation number with a list {{83, 90}, {581, -36}, {415, -18}, {1, 0}}

$\frac{18}{95}$ is a relation number with a list {{95, 90}, {1, 0}}

known cases

known cases

known cases

known cases

$\frac{19}{7}$ is a relation number with a list {{7, 19}, {84, 95}, {77, -38}, {1, 0}}

$\frac{19}{8}$ is a relation number with a list {{8, 19}, {88, 57}, {104, 19}, {72, -19}, {1, 0}}

$\frac{19}{11}$ is a relation number with a list

{{11, 19}, {88, -57}, {286, 133}, {220, -57}, {88, 19}, {77, 57},
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$\frac{19}{12}$ is a relation number with a list {{12, 19}, {42, 19}, {1, 0}}

$\frac{19}{26}$ is a relation number with a list

{{26, 19}, {91, -19}, {52, 19}, {130, -19}, {78, -19}, {1, 0}}

$\frac{19}{27}$ is a relation number with a list {{27, 19}, {72, 19}, {108, 19}, {54, 19}, {1, 0}}

$\frac{19}{30}$ is a relation number with a list {{30, 38}, {60, 19}, {1, 0}}

$\frac{19}{31}$ is a relation number with a list {{31, 38}, {217, 19}, {248, -19}, {1, 0}}

known cases

known cases

$\frac{20}{9}$ is a relation number with a list {{9, 20}, {99, 40}, {171, -20}, {1, 0}}

$\frac{20}{11}$ is a relation number with a list

{{11, 20}, {99, -40}, {209, -60}, {319, -80}, {1, 0}}

$\frac{20}{29}$ is a relation number with a list {{29, 20}, {261, 40}, {551, -20}, {261, 40}}

$\frac{20}{31}$ is a relation number with a list {{31, 40}, {279, 20}, {1, 0}}

$\frac{20}{51}$ is a relation number with a list {{51, 60}, {1, 0}}

$\frac{20}{69}$ is a relation number with a list {{69, 60}, {1, 0}}

known cases

known cases

known cases

known cases

$\frac{21}{8}$ is a relation number with a list {{8, 21}, {104, 105}, {1, 0}}

$\frac{21}{13}$ is a relation number with a list {{13, 21}, {104, 63}, {286, 105}, {377, -147},
{832, 567}, {3445, 1806}, {2171, 1071}, {377, -84}, {533, -231}, {923, -21}, {1, 0}}

$\frac{21}{29}$ is a relation number with a list {{29, 21}, {232, -63}, {580, 147}, {232, -63}}

$\frac{21}{34}$ is a relation number with a list {{34, 42}, {68, 21}, {170, -21}, {1, 0}}

$\frac{21}{55}$ is a relation number with a list {{55, 63}, {440, 63}, {1, 0}}

$\frac{21}{97}$ is a relation number with a list
{{97, 105}, {776, 63}, {1940, -189}, {4850, -483}, {1940, 189}}

$\frac{21}{113}$ is a relation number with a list
{{113, 105}, {904, -63}, {2486, -189}, {3277, -42}, {1, 0}}

known cases

known cases

known cases

known cases

known cases

$\frac{22}{9}$ is a relation number with a list
{{9, 22}, {117, 88}, {261, 154}, {423, -352}, {639, -44}, {63, -22}, {1, 0}}

$\frac{22}{13}$ is a relation number with a list
{{13, 22}, {117, -88}, {377, 132}, {247, -44}, {221, -176}, {585, -308},
{403, -88}, {481, 330}, {1963, 968}, {351, 110}, {273, 44}, {117, -22}, {91, 22},
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{2067, -1672}, {5135, 4334}, {10 413, 3476}, {195, 22}, {39, -22}}

$\frac{22}{17}$ is a relation number with a list
{{17, 22}, {85, -44}, {51, 22}, {119, 66}, {221, 22}, {1, 0}}

$\frac{22}{27}$ is a relation number with a list {{27, 22}, {135, 44}, {1, 0}}

$\frac{22}{31}$ is a relation number with a list
{{31, 22}, {279, 88}, {465, 88}, {775, -22}, {155, -22}, {1, 0}}

$\frac{22}{35}$ is a relation number with a list {{35, 44}, {315, 44}, {1, 0}}

$\frac{22}{39}$ is a relation number with a list
{{39, 44}, {195, 44}, {741, 44}, {273, -22}, {117, -22}, {91, 22}, {1, 0}}

$\frac{22}{53}$ is a relation number with a list
{{53, 44}, {477, -44}, {371, 22}, {159, 22}, {265, -44}, {1, 0}}

$\frac{22}{57}$ is a relation number with a list {{57, 66}, {1, 0}}

$\frac{22}{61}$ is a relation number with a list
{{61, 66}, {305, 44}, {183, 22}, {427, -44}, {793, 110}, {1403, 132}, {2989, -506},
{2867, -154}, {3599, 308}, {5917, 418}, {3965, -242}, {5673, -440},
{2867, -44}, {427, -66}, {1891, 66}, {1403, 22}, {305, -22}, {183, 22}}

$\frac{22}{75}$ is a relation number with a list {{75, 66}, {1, 0}}

$\frac{22}{105}$ is a relation number with a list {{105, 110}, {1, 0}}

$\frac{22}{233}$ is a relation number with a list
{{233, 242}, {2097, 44}, {3495, -22}, {699, -22}, {1165, -44},
{4893, -88}, {8155, -286}, {32 387, -638}, {35 183, -836}, {16 543, 462},
{20 737, 44}, {3029, -44}, {1631, -66}, {4427, -88}, {6291, 286}, {1, 0}}

$\frac{22}{247}$ is a relation number with a list
{{247, 242}, {1235, 44}, {741, -22}, {1729, 44}, {1, 0}}

known cases

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$\frac{23}{7}$ is a relation number with a list
{{7, 23}, {112, 207}, {665, 736}, {497, -253}, {63, -92}, {203, -23}, {28, -23},
{35, -46}, {77, 69}, {56, -69}, {91, -115}, {168, 253}, {595, 184}, {301, 299}, {14, 23},
{63, 46}, {119, -69}, {133, 46}, {35, 23}, {77, 92}, {105, 46}, {91, 23}, {1, 0}}

$\frac{23}{9}$ is a relation number with a list
{{9, 23}, {126, 115}, {99, 23}, {63, 46}, {153, 23}, {72, -23}, {1, 0}}

$\frac{23}{10}$ is a relation number with a list
{{10, 23}, {130, 69}, {40, 23}, {30, 23}, {70, 69}, {1, 0}}

$\frac{23}{13}$ is a relation number with a list {{13, 23}, {130, -69}, {104, -23}, {143, 46},
{65, 23}, {52, -23}, {78, -23}, {117, -92}, {325, -46}, {39, 23}, {91, 23}, {1, 0}}

$\frac{23}{14}$ is a relation number with a list
{{14, 23}, {63, 46}, {119, -69}, {133, 46}, {35, 23}, {154, -69}, {112, 69},
{182, 115}, {336, -253}, {581, 138}, {406, -69}, {56, 23}, {35, 23}}

$\frac{23}{16}$ is a relation number with a list {{16, 23}, {56, -23}, {40, 23}, {48, 23}, {1, 0}}

$\frac{23}{18}$ is a relation number with a list {{18, 23}, {45, 23}, {1, 0}}

$\frac{23}{28}$ is a relation number with a list {{28, 23}, {70, -23}, {1, 0}}

$\frac{23}{30}$ is a relation number with a list {{30, 23}, {105, 23}, {1, 0}}

$\frac{23}{32}$ is a relation number with a list {{32, 23}, {72, -23}, {96, 23}, {1, 0}}

$\frac{23}{33}$ is a relation number with a list
{{33, 23}, {110, 23}, {165, 46}, {209, -69}, {66, 23}, {1, 0}}

$\frac{23}{36}$ is a relation number with a list {{36, 46}, {180, -23}, {1, 0}}

$\frac{23}{37}$ is a relation number with a list
{{37, 46}, {333, -46}, {407, 69}, {259, 23}, {222, 23}, {296, 69}, {740, -207},
{3256, -437}, {7289, 1955}, {19 647, 943}, {5772, 989}, {5994, 667}, {333, -46}}

$\frac{23}{39}$ is a relation number with a list {{39, 46}, {273, -23}, {1, 0}}

$\frac{23}{41}$ is a relation number with a list {{41, 46}, {205, -46}, {861, 46},
{533, -92}, {779, -161}, {1066, 23}, {328, 23}, {246, -23}, {287, -23},
{451, 69}, {1312, 115}, {1927, 391}, {1148, 69}, {1025, 46}, {533, 92}}

$\frac{23}{51}$ is a relation number with a list {{51, 46}, {255, 46}, {357, 23},
{561, 92}, {153, -23}, {136, 23}, {102, 23}, {510, 23}, {204, -23}, {1, 0}}

$\frac{23}{55}$ is a relation number with a list {{55, 46}, {495, 46}, {1, 0}}

$\frac{23}{56}$ is a relation number with a list {{56, 46}, {280, 23}, {1, 0}}

$\frac{23}{59}$ is a relation number with a list
{{59, 69}, {590, 69}, {1829, 207}, {2006, 299}, {5133, 368}, {1121, 138},
{1003, -69}, {1888, -345}, {9617, -1610}, {2537, 46}, {413, -23}, {1, 0}}

$\frac{23}{60}$ is a relation number with a list {{60, 69}, {1, 0}}

$\frac{23}{64}$ is a relation number with a list {{64, 69}, {160, -23}, {1, 0}}

$\frac{23}{74}$ is a relation number with a list {{74, 69}, {185, 23}, {1, 0}}

$\frac{23}{78}$ is a relation number with a list {{78, 69}, {1, 0}}

$\frac{23}{110}$ is a relation number with a list {{110, 115}, {1, 0}}

known cases

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$\frac{25}{7}$ is a relation number with a list

{{7, 25}, {126, 275}, {1043, 1800}, {5299, 6325}, {7182, 7025}, {1099, -1850},
{5257, -5825}, {3976, -1825}, {2282, 3525}, {8701, 6400}, {16 107, -12 725},
{23 674, -4525}, {7343, -5450}, {13 251, 9175}, {28 532, -37 675},
{64 001, 35 150}, {44 093, 68 900}, {173 649, 137 875}, {250 418, 70 775},
{228 774, 321 625}, {649 957, 69 900}, {145 999, -32 125}, {102 382, -140 775},
{268 751, 25 600}, {89 257, -139 575}, {352 226, -280 925}, {499 107, -183 950},
{369 201, -30 925}, {13 293, -20 900}, {53 249, -43 875}, {65 618, -72 775},
{50 099, -27 350}, {32 207, -38 600}, {44 751, -49 450}, {32 893, -6275},
{10 626, -5975}, {9268, 8725}, {3801, 6775}, {20 818, 26 925}, {42 749, -35 800},
{48 643, -76 875}, {197 624, -167 675}, {209 643, 323 725}, {798 574, 585 975},
{1 488 193, -1 213 150}, {1 925 301, -1 615 975}, {2 165 282, -3 578 675},
{9 893 751, -10 284 100}, {390 349, 525 375}, {945 182, -301 975}, {274 799, -150 975},
{190 057, -300 725}, {774 676, -661 625}, {791 357, 1 021 175}, {1 608 726, -1 402 775},
{1 441 657, 478 125}, {50 974, 69 975}, {133 007, -14 800}, {193, 325}, {924, 1025},
{707, 400}, {651, -475}, {1232, 1075}, {1099, -325}, {868, 825}, {301, 400},
{693, -325}, {301, -125}, {357, 400}, {301, 425}, {868, 125}, {1, 0}}

$\frac{25}{9}$ is a relation number with a list

{{9, 25}, {144, 175}, {279, -25}, {36, -25}, {99, 50}, {1, 0}}

$\frac{25}{11}$ is a relation number with a list

{{11, 25}, {154, 75}, {44, 25}, {66, 25}, {99, -50}, {1, 0}}

$\frac{25}{14}$ is a relation number with a list

{{14, 25}, {154, -75}, {28, 25}, {42, -25}, {56, -25}, {42, -25}}

$\frac{25}{16}$ is a relation number with a list {{16, 25}, {72, 25}, {48, -25}, {1, 0}}

$\frac{25}{18}$ is a relation number with a list {{18, 25}, {42, 25}, {72, -25}, {1, 0}}

$\frac{25}{32}$ is a relation number with a list {{32, 25}, {224, -75}, {1, 0}}

$\frac{25}{34}$ is a relation number with a list {{34, 25}, {153, -25}, {102, -25}, {1, 0}}

$\frac{25}{36}$ is a relation number with a list {{36, 25}, {132, 25}, {252, 25}, {1, 0}}

$\frac{25}{39}$ is a relation number with a list {{39, 50}, {429, -25}, {156, 25}, {78, 25}, {1, 0}}

$\frac{25}{41}$ is a relation number with a list
{{41, 50}, {369, -25}, {246, -25}, {164, 25}, {451, 75}, {1, 0}}

$\frac{25}{43}$ is a relation number with a list {{43, 50}, {301, -50}, {1, 0}}

$\frac{25}{57}$ is a relation number with a list {{57, 50}, {399, 50}, {1, 0}}

$\frac{25}{61}$ is a relation number with a list
{{61, 50}, {671, 25}, {244, -25}, {366, 25}, {549, 50}, {1, 0}}

$\frac{25}{64}$ is a relation number with a list
{{64, 75}, {704, -125}, {1472, -25}, {192, 25}, {1, 0}}

$\frac{25}{68}$ is a relation number with a list {{68, 75}, {476, -25}, {1, 0}}

$\frac{25}{86}$ is a relation number with a list
{{86, 75}, {946, 125}, {2322, 25}, {258, 25}, {344, -25}, {258, 25}}

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$\frac{26}{7}$ is a relation number with a list
{{7, 26}, {133, 312}, {1253, 2470}, {8519, 14 352}, {40 831, 51 194},
{72 541, -88 920}, {114 653, 196 586}, {573 531, 754 156}, {1 264 375, -582 842},
{690 837, 1 052 038}, {2 528 407, 2 026 960}, {3 510 129, 1 151 098}, {397 845, 669 136},
{1 899 037, 2 369 614}, {3 294 039, -4 352 296}, {7 407 799, 2 951 390},
{10 124 597, 16 945 916}, {47 749 233, 58 732 882}, {76 885 543, -125 555 300},
{340 688 299, -386 526 582}, {320 867 981, 322 095 358}, {8 591 639, 11 070 436},
{17 351 579, -13 044 330}, {30 150 743, 20 678 164}, {66 308 053, -101 539 906},
{246 622 971, -205 248 836}, {289 618 945, -361 014 342}, {499 767 779, 670 820 072},
{1 197 366 051, -248 380 886}, {311 768 653, -577 329 506}, {1 858 925 971, -2 863 275 636},
{7 030 447 655, -6 070 161 838}, {6 722 000 719, 7 443 729 618}, {5 052 102 293, 4 188 746 796},

{6 043 488 479, 6 873 984 650}, {5 813 473 197, -4 932 091 658}, {6 169 670 773, 11 307 198 422},
{35 962 693 543, 54 425 329 920}, {129 238 454 639, 99 051 236 362},
{211 310 527 939, -91 509 020 668}, {198 047 406 221, 95 041 507 002},
{55 750 745 519, 44 067 956 088}, {81 779 526 017, 4 723 167 410},
{10 399 760 329, -5 565 509 352}, {5 118 808 625, 933 129 964}, {3 172 111 635, -5 250 219 182},
{14 546 752 829, -17 279 261 948}, {19 127 563 833, -21 135 640 552},
{14 056 537 033, -8 680 500 218}, {23 131 243 821, -25 152 546 952},
{14 149 121 917, 18 406 184 446}, {29 799 437 703, -18 159 665 368},
{45 639 251 231, -42 399 561 282}, {22 677 829 643, 40 130 825 722},
{122 170 972 553, 172 862 118 000}, {354 838 018 129, 107 934 955 622},
{217 232 058 841, -51 317 243 484}, {83 741 594 335, -48 180 496 858},
{88 335 795 667, 9 159 094 100}, {22 786 017 331, 20 520 119 958},
{15 861 281 611, 25 814 176 310}, {69 670 262 893, 78 076 028 004},
{58 840 355 777, 109 117 482 630}, {351 939 887 971, 543 382 919 768},
{1 340 101 222 579, 1 173 838 388 346}, {1 163 839 839 631, -428 798 661 694},
{857 893 018 157, -184 869 149 868}, {465 169 118 281, -433 686 961 682},
{220 375 096 193, 238 335 554 522}, {125 723 208 303, 199 538 784 562},
{516 709 033 813, 522 433 490 800}, {40 071 198 909, 63 862 605 950},
{166 539 849 287, 171 538 341 416}, {34 989 444 903, -31 121 231 726},
{27 077 492 239, -16 701 536 878}, {44 279 070 619, -47 554 361 296},
{22 927 034 739, -7 749 701 336}, {2 254 484 883, 4 005 103 388},
{12 254 329 535, 17 480 357 414}, {36 582 195 153, 13 514 222 956},
{27 723 316 005, 8 372 755 898}, {18 235 338 177, -9 121 964 800}, {60 139 961, -32 067 828},
{27 969 865, 16 698 656}, {37 992 129, 24 223 030}, {73 177 517, 102 240 996},
{203 444 353, 39 963 482}, {25 388 601, -3 157 180}, {918 127, -1 639 144},
{5 047 119, -7 272 434}, {15 577 205, -6 951 152}, {11 724 307, -5 110 638},
{10 521 217, 3 304 340}, {4 257 379, 7 317 258}, {21 419 153, 28 336 048},
{48 418 265, -18 513 066}, {49 846 531, -55 552 796}, {39 943 855, -56 219 098},
{113 926 701, -29 622 632}, {31 946 789, -29 960 580}, {13 903 463, -3 158 324},
{8 891 169, 10 916 074}, {14 174 335, -23 764 988}, {67 134 571, -83 002 062},
{111 072 437, 168 459 668}, {401 710 617, 312 850 330}, {622 022 009, -120 415 152},
{139 623 743, 194 298 884}, {382 725 987, 61 461 478}, {97 699 833, 67 345 252},
{212 482 067, -317 802 342}, {737 241 925, -513 710 756}, {1 564 718 183, 2 215 835 102},
{4 557 818 433, 1 418 194 180}, {2 122 651 251, 2 043 226 042}, {79 425 209, -21 829 392},
{55 246 513, -52 395 590}, {19 956 461, 3 850 860}, {4 915 127, 8 699 834},
{26 492 949, 37 503 544}, {77 074 165, 23 750 662}, {40 755 253, 14 877 980},
{27 150 809, -3 299 998}, {5 255 775, -3 578 536}, {11 740 673, 18 558 462},
{47 724 523, 47 353 280}, {2 598 701, 3 294 148}, {4 868 129, -4 977 414}, {764 995, 744 978},
{140 119, 10 426}, {32 067, -46 124}, {98 399, -42 614}, {92 197, 44 148}, {27 307, 4758},
{8687, -1040}, {2569, 2262}, {2149, -130}, {427, -676}, {1743, -1742}, {1, 0}}

$\frac{26}{11}$ is a relation number with a list

{{11, 26}, {165, 104}, {473, -26}, {55, -26}, {33, 26}, {77, -78}, {1, 0}}

$\frac{26}{15}$ is a relation number with a list

{{15, 26}, {165, -104}, {645, 442}, {3045, 1352}, {5115, 2548}, {285, 182},
{1185, -676}, {2505, 1456}, {6105, -676}, {35, 26}, {45, -26}, {105, 26}, {1, 0}}

$\frac{26}{19}$ is a relation number with a list

{{19, 26}, {133, 52}, {437, 208}, {399, 130}, {171, -104}, {703, 52}, {475, 312}, {2831, 1820}, {15 371, 7488}, {7505, -1508}, {665, 442}, {4161, -2704}, {23 693, -13 468}, {61 617, 2938}, {1539, 1040}, {9481, -6188}, {55 005, -32 968}, {207 689, 57 980}, {460 389, 158 392}, {280 953, 66 248}, {303 259, 13 754}, {12 749, -364}, {171, 104}}

$\frac{26}{33}$ is a relation number with a list {{33, 26}, {231, -52}, {253, 26}, {231, 52}}

$\frac{26}{37}$ is a relation number with a list

{{37, 26}, {407, 104}, {333, -104}, {777, -26}, {111, 26}, {259, 52}, {1, 0}}

$\frac{26}{41}$ is a relation number with a list

{{41, 52}, {451, -130}, {2501, -572}, {8733, -1300}, {15 047, -3952}, {31 201, 3744}, {51 209, -8866}, {81 467, 1872}, {36 941, -6474}, {78 023, 18 044}, {239 727, -20 306}, {161 745, 11 986}, {243 007, 29 120}, {411 927, -112 190}, {1 510 153, -188 500}, {88 273, -3536}, {5207, -312}, {3977, 182}, {1107, 260}, {2747, 208}, {1763, -416}, {4059, 962}, {8651, 1040}, {13 571, -390}, {3239, -442}, {5945, 728}, {4961, 1534}, {14 719, -2444}, {2255, -104}, {1353, -26}, {1, 0}}

$\frac{26}{45}$ is a relation number with a list {{45, 52}, {315, 26}, {1, 0}}

$\frac{26}{59}$ is a relation number with a list

{{59, 52}, {413, -26}, {177, -26}, {295, -26}, {531, 104}, {649, 130}, {1, 0}}

$\frac{26}{63}$ is a relation number with a list

{{63, 52}, {693, 130}, {387, 52}, {1449, 286}, {133, 26}, {1, 0}}

$\frac{26}{67}$ is a relation number with a list

{{67, 78}, {737, -78}, {2345, 234}, {335, -52}, {1541, 104}, {1273, -52}, {1675, -234}, {2479, -286}, {6365, -598}, {14 271, 1300}, {1943, 364}, {8241, -1196}, {8777, -1612}, {48 039, 3848}, {124 821, 15 626}, {12 529, -1612}, {24 589, 3042}, {16 951, -104}, {1, 0}}

$\frac{26}{71}$ is a relation number with a list

{{71, 78}, {497, -78}, {2059, -260}, {1491, -104}, {2485, -104}, {781, -52}, {1, 0}}

$\frac{26}{85}$ is a relation number with a list

{{85, 78}, {595, 78}, {2465, 156}, {2635, -364}, {7395, 728}, {1955, -182}, {3995, -416}, {2805, 208}, {8585, -702}, {13 685, -1066}, {2941, 130}, {4165, 416}, {1, 0}}

$\frac{26}{93}$ is a relation number with a list

{{93, 104}, {1023, 52}, {1581, 26}, {465, 52}, {1, 0}}

$\frac{26}{115}$ is a relation number with a list

{{115, 104}, {1265, -52}, {1955, 208}, {9545, 182}, {1863, -26}, {1035, -52}, {1, 0}}

$\frac{26}{119}$ is a relation number with a list

{{119, 130}, {1309, -26}, {1071, -52}, {357, 26}, {1, 0}}

$\frac{26}{123}$ is a relation number with a list {{123, 130}, {861, 26}, {1, 0}}

$\frac{26}{279}$ is a relation number with a list {{279, 286}, {651, -26}, {1, 0}}

$\frac{26}{457}$ is a relation number with a list

{{457, 468}, {5027, 52}, {7769, 104}, {14 167, 26}, {1371, -26}, {3199, 52},
{11 425, 286}, {6855, -52}, {4113, -104}, {21 479, -130}, {13 253, 156}, {3199, 52}}

$\frac{26}{487}$ is a relation number with a list

{{487, 494}, {3409, 26}, {1461, 26}, {2435, 52}, {4383, -52}, {7305, 26}, {1, 0}}

$\frac{26}{739}$ is a relation number with a list

{{739, 728}, {8129, 26}, {6651, -26}, {3695, -26}, {2217, -26},
{5173, 78}, {18 475, -208}, {27 343, -208}, {70 205, -572}, {111 589, -1300},
{155 929, 650}, {52 469, -390}, {133 759, 1144}, {65 771, -806}, {237 219, 3068},
{726 437, -7410}, {189 923, 3250}, {1 051 597, -3120}, {116 023, 650},
{238 697, 1664}, {550 555, 9386}, {2 378 841, 10 348}, {886 061, -9542},
{993 955, -12 402}, {1 326 505, -17 758}, {3 949 955, 59 982}, {6 545 323, -112 554},
{12 704 149, -41 730}, {13 471 231, -31 460}, {4 693 389, 33 826}, {6 226 075, -25 714},
{2 429 093, -30 082}, {5 578 711, 51 636}, {1 494 997, 25 454}, {5 017 071, 76 492},
{23 205 339, -194 194}, {71 130 967, -862 420}, {304 857 453, -4 511 962},
{1 445 456 657, -22 092 590}, {6 974 908 873, 115 106 784}, {34 441 058 789, -242 902 556},
{37 765 976 457, 129 376 754}, {8 894 390 429, 146 695 510}, {39 932 368 259, -228 548 528},
{47 018 240 199, 166 140 260}, {403 951 441, -627 926}, {144 121 997, 2 457 702},
{652 109 119, -3 749 044}, {165 932 843, -2 488 434}, {585 461 665, 5 720 936},
{1 423 456 627, 20 966 192}, {1 658 633 031, 28 455 076}, {6 088 342 397, 36 289 760},
{6 161 252 137, 61 267 752}, {19 798 412 285, -391 378}, {121 770 203, 2 097 394},
{89 678 389, 807 300}, {50 317 771, -1118}, {40 645, -338}, {62 815, -52}, {1, 0}}

$\frac{26}{761}$ is a relation number with a list {{761, 754}, {5327, -52},
{17 503, -104}, {23 591, -156}, {26 635, -416}, {8371, 26}, {1, 0}}

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$\frac{27}{8}$ is a relation number with a list
{{8, 27}, {152, 297}, {1160, 1539}, {3032, -2079}, {7624, 9099}, {5900, 3429}, {3832, -783}, {664, -459}, {1640, 1863}, {892, -1431}, {4312, -3105}, {9656, 7749}, {15 256, 10 503}, {38 024, -44 307}, {25 132, 7587}, {18 968, -3321}, {3832, 351}, {58, 81}, {184, -27}, {20, -27}, {56, 27}, {1, 0}}

$\frac{27}{10}$ is a relation number with a list
{{10, 27}, {170, 189}, {95, 81}, {70, 27}, {110, 27}, {1, 0}}

$\frac{27}{11}$ is a relation number with a list {{11, 27}, {176, 135}, {451, 378}, {803, 216}, {671, -729}, {638, 189}, {781, 162}, {319, -216}, {1133, 405}, {902, -27}, {1, 0}}

$\frac{27}{16}$ is a relation number with a list {{16, 27}, {176, -135}, {328, 27}, {1, 0}}

$\frac{27}{17}$ is a relation number with a list
{{17, 27}, {170, 81}, {136, 81}, {442, 27}, {170, -81}}

$\frac{27}{19}$ is a relation number with a list
{{19, 27}, {152, -81}, {190, -81}, {532, -27}, {152, 81}}

$\frac{27}{22}$ is a relation number with a list {{22, 27}, {55, -27}, {1, 0}}

$\frac{27}{32}$ is a relation number with a list {{32, 27}, {80, 27}, {1, 0}}

$\frac{27}{35}$ is a relation number with a list {{35, 27}, {280, 81}, {1295, -162}, {1, 0}}

$\frac{27}{37}$ is a relation number with a list {{37, 27}, {370, -81}, {1295, 162}, {1, 0}}

$\frac{27}{38}$ is a relation number with a list
{{38, 27}, {418, 135}, {494, -135}, {874, 81}, {646, 135}, {1102, 351}, {931, 54}, {247, -27}, {76, 27}, {95, 27}, {494, 27}, {152, -27}, {190, -27}, {1, 0}}

$\frac{27}{43}$ is a relation number with a list {{43, 54}, {473, 54}, {559, 135}, {817, 162}, {301, -27}, {172, 27}, {430, 81}, {1075, 108}, {215, -54}, {1, 0}}

$\frac{27}{44}$ is a relation number with a list {{44, 54}, {220, 27}, {1, 0}}

$\frac{27}{46}$ is a relation number with a list
{{46, 54}, {92, 27}, {253, 27}, {115, -27}, {322, 81}, {1, 0}}

$\frac{27}{49}$ is a relation number with a list {{49, 54}, {245, 54}, {1225, 54}, {833, 108}, {1519, -270}, {4949, -405}, {4361, -621}, {98, 27}, {490, 27}, {196, 27}, {1, 0}}

$\frac{27}{59}$ is a relation number with a list

{{59, 54}, {295, -54}, {1475, 189}, {2183, -162}, {4543, 837}, {21 122, 1053}, {3658, 189}, {3953, 297}, {5428, 135}, {1652, -351}, {6077, 1242}, {7847, -1458}, {32 863, 4212}, {49 147, -1107}, {25 901, 5805}, {158 179, -19 440}, {156 881, 1728}, {21 653, -2862}, {73 337, 1053}, {22 007, -1701}, {6254, 189}, {1003, 135}, {3422, 135}, {2773, 351}, {2065, 81}, {2360, 459}, {3835, 756}, {3245, 54}, {295, -54}}

$\frac{27}{64}$ is a relation number with a list {{64, 54}, {320, -27}, {1, 0}}

$\frac{27}{65}$ is a relation number with a list {{65, 54}, {715, -54}, {1, 0}}

$\frac{27}{70}$ is a relation number with a list {{70, 81}, {770, -27}, {182, 27}, {1, 0}}

$\frac{27}{71}$ is a relation number with a list

{{71, 81}, {710, -81}, {1349, 108}, {3763, 513}, {12 212, -729}, {12 851, -1998}, {61 273, -2052}, {20 377, -1539}, {26 270, 621}, {13 348, -1593}, {42 884, 1053}, {20 519, 3267}, {65 107, 9126}, {86 975, -13 554}, {401 221, -46 872}, {1 464 517, -13 662}, {190 493, -28 269}, {524 690, 11 799}, {392 914, -58 779}, {1 316 269, 168 885}, {2 471 581, 227 826}, {2 449 855, -337 851}, {6 027 758, -1 064 961}, {25 702 568, -2 581 497}, {7 980 542, 1 195 047}, {27 319 877, -1 734 345}, {30 504 653, -4 465 476}, {53 511 209, -8 540 532}, {161 029 207, 5 986 818}, {43 656 409, 6 580 980}, {171 142 021, -11 674 341}, {282 089 674, -29 310 093}, {781 799 176, -110 781}, {1 253 789, -236 763}, {4 968 154, 193 509}, {4 478 680, -113 859}, {2 710 709, 162 675}, {3 888 386, 279 531}, {1 778 408, -234 117}, {6 711 488, -1 243 485}, {35 078 473, 5 090 472}, {39 393 001, -1 893 024}, {25 595 713, -1 865 430}, {36 941 797, 6 010 929}, {62 211 833, 931 581}, {14 490 674, -15 795}, {472 789, -42 687}, {229 472, 23 463}, {366 218, 5319}, {56 303, 7749}, {146 260, -6021}, {124 676, -783}, {12 709, 2403}, {49 274, 1971}, {1, 0}}

$\frac{27}{73}$ is a relation number with a list {{73, 81}, {584, -81}, {1241, 54}, {1, 0}}

$\frac{27}{76}$ is a relation number with a list {{76, 81}, {190, 27}, {1, 0}}

$\frac{27}{86}$ is a relation number with a list {{86, 81}, {215, -27}, {1, 0}}

$\frac{27}{92}$ is a relation number with a list

{{92, 81}, {1012, 27}, {1196, 27}, {184, 27}, {230, -27}, {1196, 27}}

$\frac{27}{98}$ is a relation number with a list {{98, 108}, {490, -27}, {196, 27}, {1, 0}}

$\frac{27}{100}$ is a relation number with a list {{100, 108}, {1, 0}}

$\frac{27}{118}$ is a relation number with a list

{{118, 108}, {590, 27}, {236, 27}, {826, 27}, {1298, 81}, {1, 0}}

$\frac{27}{125}$ is a relation number with a list
{{125, 135}, {250, 27}, {875, -27}, {1375, -108}, {3625, 189},
{4250, -243}, {14 875, -1458}, {7375, 189}, {500, -27}, {325, -27}, {1, 0}}

$\frac{27}{127}$ is a relation number with a list
{{127, 135}, {1016, -81}, {4699, 297}, {6731, -513}, {7874, 135}, {5588, 513},
{6985, 189}, {1016, -27}, {1270, -81}, {3302, -243}, {12 700, 1161}, {9017, 162},
{6985, 216}, {9271, -162}, {4699, 405}, {20 447, 729}, {4445, -27}, {1270, -81}}

$\frac{27}{130}$ is a relation number with a list {{130, 135}, {1, 0}}

$\frac{27}{143}$ is a relation number with a list {{143, 135}, {1144, 81}, {1430, -27}, {1, 0}}

$\frac{27}{145}$ is a relation number with a list {{145, 135}, {290, 27},
{1015, 54}, {1595, -108}, {725, 27}, {580, -27}, {1885, -54}, {1, 0}}

$\frac{27}{197}$ is a relation number with a list {{197, 189}, {1576, 81}, {7289, -27}, {1, 0}}

$\frac{27}{199}$ is a relation number with a list {{199, 189}, {1990, 81}, {6965, -54}, {1, 0}}

$\frac{27}{233}$ is a relation number with a list {{233, 243}, {2330, 81}, {4427, 108}, {1, 0}}

$\frac{27}{251}$ is a relation number with a list
{{251, 243}, {2008, 81}, {4267, -135}, {13 303, -459}, {2008, 81}}

$\frac{27}{254}$ is a relation number with a list {{254, 243}, {1397, -27}, {889, 27}, {1, 0}}

$\frac{27}{260}$ is a relation number with a list {{260, 270}, {1, 0}}

$\frac{27}{286}$ is a relation number with a list {{286, 297}, {1, 0}}

$\frac{27}{287}$ is a relation number with a list
{{287, 297}, {2870, 81}, {1435, -54}, {6601, -27}, {3731, -27}, {1435, -54}}

$\frac{27}{289}$ is a relation number with a list
{{289, 297}, {2312, -81}, {10 693, 432}, {30 923, -621}, {36 703, 1161},
{129 761, 3915}, {163 574, 567}, {80 342, -1269}, {6715, -243}, {25 721, 540},
{57 511, -243}, {23 120, -1053}, {13 294, 27}, {2890, -27}, {1, 0}}

$\frac{27}{359}$ is a relation number with a list {{359, 351}, {2872, 81}, {13 283, 108}, {1, 0}}

$\frac{27}{361}$ is a relation number with a list {{361, 351}, {3610, 81}, {12 635, 54}, {1, 0}}

Individual verification is complete.

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