

> # $\frac{1}{p1 \cdot p2} = \frac{a}{b} + \frac{c}{d}$ by H·E'20 - 11 - 17 :

> $x := 0$:for h from 1 to 10 do $p1 := \text{ithprime}(h)$: $p2 := \text{ithprime}(h + 1)$: $x := 0$: for a from 1 to 10 do for c from $a + 1$ to 10 do for b from 1 to 2000 do for d from $b + 1$ to 5000 do if $\frac{a}{b} + \frac{c}{d} = \frac{1}{p1 \cdot p2}$ then $x := x + 1$: print $\left(\frac{1}{[p1] \cdot \{p2\}_{[seki=p1 \cdot p2]}} = \frac{a}{b} + \left\{ \frac{c}{d} \right\} \right)$:break if:od:if $x = 2$ then break if:od:if $x = 2$ then break if:od:if $x = 2$ then break if:od:od:

$$\frac{1}{[2] \{3\}_{seki=6}} = \frac{1}{7} + \left\{ \frac{1}{42} \right\}$$

$$\frac{1}{[2] \{3\}_{seki=6}} = \frac{1}{8} + \left\{ \frac{1}{24} \right\}$$

$$\frac{1}{[3] \{5\}_{seki=15}} = \frac{1}{16} + \left\{ \frac{1}{240} \right\}$$

$$\frac{1}{[3] \{5\}_{seki=15}} = \frac{1}{17} + \left\{ \frac{2}{255} \right\}$$

$$\frac{1}{[5] \{7\}_{seki=35}} = \frac{1}{36} + \left\{ \frac{1}{1260} \right\}$$

$$\frac{1}{[5] \{7\}_{seki=35}} = \frac{1}{37} + \left\{ \frac{2}{1295} \right\}$$

$$\frac{1}{[7] \{11\}_{seki=77}} = \frac{1}{84} + \left\{ \frac{1}{924} \right\}$$

$$\frac{1}{[7] \{11\}_{seki=77}} = \frac{1}{88} + \left\{ \frac{1}{616} \right\}$$

$$\frac{1}{[11] \{13\}_{seki=143}} = \frac{1}{154} + \left\{ \frac{1}{2002} \right\}$$

$$\frac{1}{[11] \{13\}_{seki=143}} = \frac{1}{156} + \left\{ \frac{1}{1716} \right\}$$

$$\frac{1}{[13] \{17\}_{seki=221}} = \frac{1}{247} + \left\{ \frac{2}{4199} \right\}$$

$$\frac{1}{[13] \{17\}_{seki=221}} = \frac{1}{255} + \left\{ \frac{2}{3315} \right\}$$

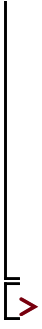
$$\frac{1}{[17] \{19\}_{seki=323}} = \frac{1}{612} + \left\{ \frac{1}{684} \right\}$$

$$\frac{1}{[17] \{19\}_{seki=323}} = \frac{1}{646} + \left\{ \frac{1}{646} \right\}$$

$$\frac{1}{[19] \{23\}_{seki=437}} = \frac{1}{798} + \left\{ \frac{1}{966} \right\}$$

$$\frac{1}{[19] \{23\}_{seki=437}} = \frac{1}{874} + \left\{ \frac{1}{874} \right\}$$

$$\frac{1}{[23] \{29\}_{seki=667}} = \frac{1}{1196} + \left\{ \frac{1}{1508} \right\}$$



$$\frac{1}{[23] \{29\}_{seki=667}} = \frac{1}{1334} + \left\{ \frac{1}{1334} \right\}$$

$$\frac{1}{[29] \{31\}_{seki=899}} = \frac{1}{1740} + \left\{ \frac{1}{1860} \right\}$$

$$\frac{1}{[29] \{31\}_{seki=899}} = \frac{1}{1798} + \left\{ \frac{1}{1798} \right\}$$

(1)