

$$D: \frac{A-B}{C} = \frac{A}{C} - \frac{B}{C}$$

$$A = \frac{a}{b}, B = \frac{c}{d}, C = \frac{e}{f} \quad (1)$$

$$A-B = A+(-B) \quad \frac{A}{B} = A \cdot B^{-1}$$

$$L = \left(\frac{a}{b} - \frac{c}{d}\right) : \frac{e}{f} = \frac{ad-bc}{bd} \cdot \frac{f}{e} = \frac{adf-bcf}{bde}, e \neq 0$$

$$P = \frac{a}{b} : \frac{e}{f} - \frac{c}{d} : \frac{e}{f} = \frac{af}{be} - \frac{cf}{de} = \frac{adf-bcf}{bde} \quad L=P$$

Ukážte rac. číslo lepší meri číslo:

a) $\frac{19}{24}, \frac{29}{36}$; porovnáme: $\frac{19}{24} = \frac{54}{42}, \frac{29}{36} = \frac{58}{42}$;
 $\frac{54}{42} = \frac{114}{144}, \frac{58}{42} = \frac{116}{144}$; číslo je např. $\frac{115}{144}$

b) $\frac{1}{100000}, \frac{1}{100001}$; $\frac{1}{100000} + \frac{1}{100001} = \dots$

Převodte na zlomek:

a) $2, \overline{6}$ $\left. \begin{array}{l} 2, \overline{6} = x \cdot 10 \\ 20, \overline{6} = 10x \end{array} \right\} \ominus$

$$\frac{24}{10} = 9x$$

$$x = \frac{24}{9} = \underline{\underline{\frac{8}{3}}}$$

b) $1, \overline{41} = 1, \overline{41} = x \cdot 100$

$$\frac{141, \overline{41}}{100} = 100x$$

$$\frac{140}{100} = 99x$$

$$x = \underline{\underline{\frac{140}{99}}}$$

c) $3, \overline{258}$

$$3, \overline{258} = x \cdot 10$$

(1) $32, \overline{58} = 10x \cdot 100$

(2) $3258, \overline{58} = 1000x$

odečteme (2)-(1)

$$990x = 3226$$

$$x = \frac{3226}{990} = \underline{\underline{\frac{1613}{495}}}$$