$$0,\overline{16} - \frac{\dfrac{2}{5} - \dfrac{1}{9}}{\dfrac{7}{6} + \dfrac{7}{6}} + \frac{1}{21}\left(\frac{9}{4} - 2,5\right)$$

$$\downarrow$$

$$\frac{16}{99} - \frac{\dfrac{13}{45}}{\dfrac{7}{3}} + \frac{1}{21} \cdot -\frac{1}{4}$$

$$\downarrow$$

$$\frac{16}{99} - \frac{13}{105} - \frac{1}{84} = \boxed{\frac{359}{13850}}$$

AUX

$0,\overline{16} = \boxed{\dfrac{16}{99}}$

$2,5 = \boxed{\dfrac{5}{2}}$

$\dfrac{2}{5} - \dfrac{1}{9} = \boxed{\dfrac{13}{45}}$

$\dfrac{7}{6} + \dfrac{7}{6} = \boxed{\dfrac{7}{3}}$

$\dfrac{9}{4} - \dfrac{5}{2} = \boxed{-\dfrac{1}{4}}$

$\dfrac{\dfrac{13}{45}}{\dfrac{7}{3}} = \boxed{\dfrac{13}{105}}$

$\dfrac{1}{21} \cdot -\dfrac{1}{4} = \boxed{\dfrac{1}{84}}$