

FRACCIONES

Problema 12:

Resolver

$$\frac{1}{1 + \frac{1}{3 + \frac{1}{3}}} - \frac{1}{1 + \frac{1}{2 + \frac{1}{2}}}$$

Solución Problema 12:

$$\frac{1}{1 + \frac{1}{3 + \frac{1}{3}}} - \frac{1}{1 + \frac{1}{2 + \frac{1}{2}}} = \frac{1}{1 + \frac{1}{\frac{9+1}{3}}} - \frac{1}{1 + \frac{1}{\frac{4+1}{2}}}$$

$$\frac{1}{1 + \frac{1}{\frac{10}{3}}} - \frac{1}{1 + \frac{1}{\frac{5}{2}}} = \frac{1}{1 + \frac{3}{10}} - \frac{1}{1 + \frac{2}{5}} = \frac{1}{\frac{10+3}{10}} - \frac{1}{\frac{5+2}{5}}$$

$$\frac{10}{13} - \frac{5}{7} = \frac{70 - 65}{91} = \frac{5}{91}$$