

$$\begin{cases} x \cdot 12 = 7 \\ y \cdot 92 = 11 \end{cases} \Rightarrow \begin{cases} x = 7 \cdot 12 \\ y = 11 \cdot 92 \end{cases} \Rightarrow \begin{cases} x = 84 \\ y = 462 \end{cases}$$

$$\begin{cases} x - \frac{1}{y} = 0 \\ y - \frac{1}{x} = 1 \end{cases} \Rightarrow \begin{cases} x - \frac{1}{y} = 0 \\ y = 1 + \frac{1}{x} \end{cases} \Rightarrow \begin{aligned} x - \frac{1}{1 + \frac{1}{x}} &= 0 \\ x + 1 + \frac{1}{x} &= 0 \end{aligned}$$

$$x = \frac{1}{y}$$

$$y = 1 + \frac{1}{\frac{1}{y}}$$

$$y = 1 + \frac{1}{\frac{1}{y}}$$

$$y + \frac{1}{y} = 1$$

$$x + \frac{1}{x} = 1$$

$$x(1 + \frac{1}{x}) = 1$$

$$x = 1 \quad x \neq 1$$

$$x(1 + \frac{1}{x}) = 1$$

$$x - \frac{1}{y} = 1$$

$$y = 2 + \frac{1}{x}$$

$$x - \frac{1}{2 + \frac{1}{x}} = 1$$

$$\begin{cases} x - \frac{1}{y} = 1 \\ y - \frac{1}{x} = 2 \end{cases} \Rightarrow \begin{cases} x = 1 + \frac{1}{y} \\ y = 2 + \frac{1}{x} \end{cases} \Rightarrow$$

$$\begin{cases} x = 1 + \frac{1}{2 + \frac{1}{x}} \\ y = 2 + \frac{1}{x} \end{cases} \Rightarrow$$

$$\begin{aligned} x &= 1 + \frac{1}{2 + \frac{1}{x}} \\ x &= 1 - 2 + \frac{1}{x} \end{aligned}$$

$$y + 1 + \frac{1}{y} = 2$$

$$y + \frac{1}{y} = 1$$

$$y + 1 + \frac{1}{y} = 2$$

$$y = 1 - y = 0$$

(~~y~~)

$$x - \frac{1}{x} = -1$$

$$x = 1 - x = 0$$