

1

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

$$\Rightarrow \begin{cases} -\frac{1}{y} = -x \\ -\frac{2}{x} = 1 \end{cases} \quad \left| \begin{array}{l} y - \frac{1}{x} = 1 \\ y - \frac{1}{2} = 1 \\ y = 1\frac{1}{2} \end{array} \right.$$

$$x = 2.$$

№ 2.

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

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

$$x - 1 + y - 1 = 3$$

$$x + y = 5$$

$$x = 5 - y$$

$$x = 2.$$

$$5 - y - 1 = 1$$

$$-y = -3$$

$$y = 3.$$

№3. А.

$$1 \rightarrow 2 + 3 > 4$$

$$2 \rightarrow 3 + 4 > 2$$

$$3 \rightarrow 4 + 3 > 2$$

№3.

$$1 \rightarrow 3 + 4 > 6$$

$$2 \rightarrow 4 + 6 > 3$$

$$3 \rightarrow 3 + 6 > 4$$