

5.6.

1. 6)

$$2^{2-\frac{2}{x}} - 2^{1-\frac{2}{x}} < 1$$

$$2^2 \cdot 2^{-\frac{2}{x}} - 2^1 \cdot 2^{-\frac{2}{x}} < 1$$

$$4 \cdot 2^{-\frac{2}{x}} - 2 \cdot 2^{-\frac{2}{x}} < 1$$

$$(4-2) \cdot 2^{-\frac{2}{x}} < 1$$

$$2 \cdot 2^{-\frac{2}{x}} < 1 \quad / \cdot \frac{1}{2}$$

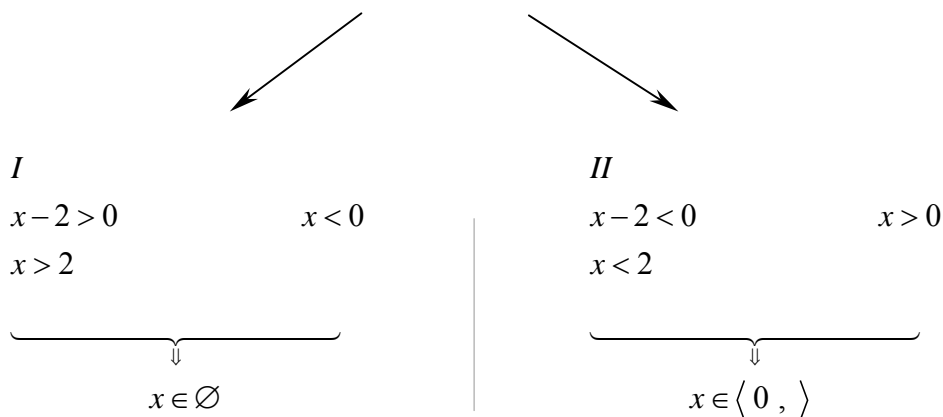
$$2^{-\frac{2}{x}} < \frac{1}{2}$$

$$2^{\frac{2}{x}} < 2^{-1}$$

$$-\frac{2}{x} < -1$$

$$1 - \frac{2}{x} < 0$$

$$\frac{x-2}{x} < 0$$



ukupno rješenje
 $x \in \langle 0, 2 \rangle$
ili
 $0 < x < 2$