

5.6.

1. 5)

$$3^{\frac{1}{x}} + 3^{3+\frac{1}{x}} > 84$$

$$3^{\frac{1}{x}} + 3^3 \cdot 3^{\frac{1}{x}} > 84$$

$$1 \cdot 3^{\frac{1}{x}} + 27 \cdot 3^{\frac{1}{x}} > 84$$

$$(1+27) \cdot 3^{\frac{1}{x}} > 84$$

$$28 \cdot 3^{\frac{1}{x}} > 84 \quad / \cdot \frac{1}{28}$$

$$3^{\frac{1}{x}} > \frac{84}{28}$$

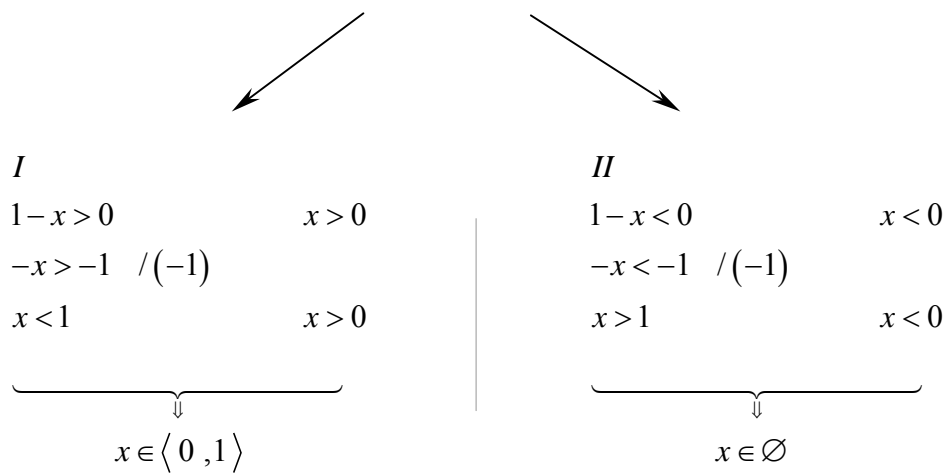
$$3^{\frac{1}{x}} > 3$$

$$3^{\frac{1}{x}} > 3^1$$

$$\frac{1}{x} > 1$$

$$\frac{1}{x} - 1 > 0$$

$$\frac{1-x}{x} > 0$$



ukupno rješenje

$$x \in \langle 0, 1 \rangle$$

ili

$$0 < x < 1$$