

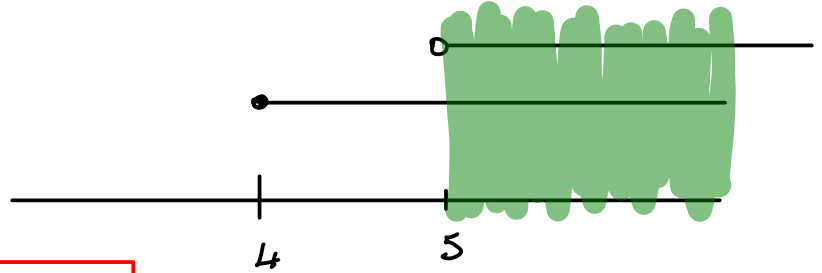
$$\begin{cases} (x-2)^2 + 3 \leq (x-3)(x+3) \\ x-5 > 0 \end{cases}$$

$$\begin{cases} \cancel{x^2} + 4 - 4x + 3 \leq \cancel{x^2} - 9 \\ x > 5 \end{cases}$$

$$\begin{cases} -4x \leq -7-9 \\ x > 5 \end{cases}$$

$$\begin{cases} 4x \geq 16 \\ x > 5 \end{cases}$$

$$\begin{cases} x \geq 4 \\ x > 5 \end{cases}$$



$$x > 5$$