

$$\text{Sen } 2x - 2 \cos x \geq 0$$

$$2 \text{sen} x \cos x - 2 \cos x \geq 0$$

$$2 \cos x (\text{sen} x - 1) \geq 0$$

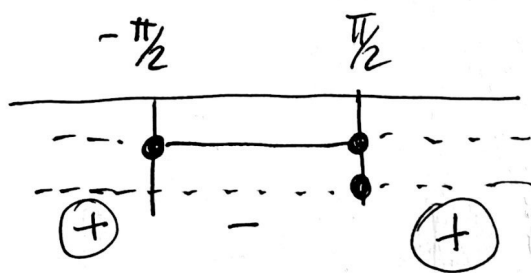
Studio il segno di ogni fattore:

$$\cos x \geq 0 \rightarrow -\frac{\pi}{2} \leq x \leq \frac{\pi}{2} \quad (+2k\pi)$$

$$\text{sen} x - 1 \geq 0 \rightarrow \text{sen} x \geq 1 \quad \text{mai}$$

ma solamente

$$\text{sen} x = 1 \text{ se } x = \frac{\pi}{2} + 2k\pi$$



$$\text{La soluzione è: } x \leq -\frac{\pi}{2} \vee x \geq \frac{\pi}{2} \quad (+2k\pi)$$