

$$\sqrt{x+5} - \sqrt{x} = 1$$

$$\left(\sqrt{x+5}\right)^2 = \left(1 + \sqrt{x}\right)^2$$

$$x+5 = 1 + \sqrt{x} + \sqrt{x} + \cancel{\sqrt{x^2}}$$

$$\cancel{x+5} = 1 + 2\sqrt{x} + \cancel{x}$$

$$(4)^2 = (2\sqrt{x})^2$$

$$16 = 4x$$

$$\boxed{x=4} \checkmark$$

SI ES SOLUCIÓN

COMPROBACIÓN

$$\sqrt{x+5} - \sqrt{x} = 1$$

$$\sqrt{4+5} - \sqrt{4} = 3 - 2 = \underline{\underline{1}}$$