

$$500 \cdot x^2 = 320 \cdot (x+5)^2$$

$$500x^2 = 320(x^2 + 10x + 25)$$

$$500x^2 = 320x^2 + 3200x + 8000$$

$$180x^2 - 3200x - 8000 = 0$$

$$18x^2 - 320x - 800 = 0$$

$$\Delta = 320^2 - 4 \cdot 18 \cdot (-800) = 160000$$

$$x = \frac{320 \pm 400}{36} = \begin{cases} 720/36 \\ -80/36 < 0 \end{cases}$$

$$\Rightarrow x = 20$$

ce sont des dalles 20x20.