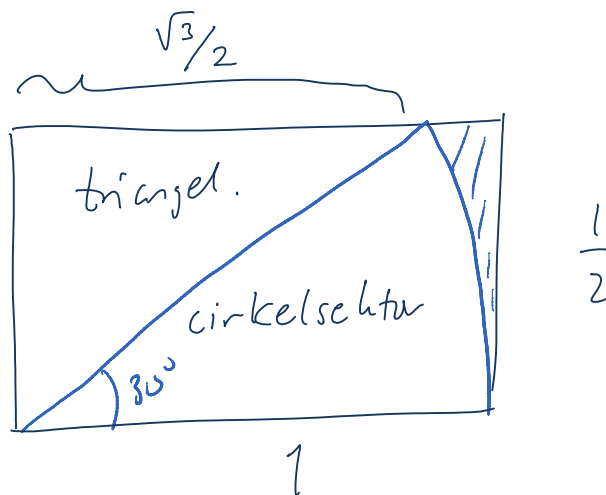


Kolla in undre rektangeln och ^{blå} skuggat område.



$$A_{\text{min}} = A_{\text{rekt}} - A_{\text{triangel}} - A_{\text{cirkelsektor}} =$$

$$= 1 \cdot \frac{1}{2} - \frac{\sqrt{3}}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} - \frac{\pi \cdot l^2}{12} =$$

$$= \frac{1}{2} - \frac{\sqrt{3}}{8} - \frac{\pi}{12}$$

Vi får nu

$$\begin{aligned} A_{III} &= A_{\text{kvadrat}} - 4A_{III} + 8A_{III} \\ &= 1^2 - 4\left(1^2 - \frac{\pi \cdot 1^2}{4}\right) + 8\left(\frac{1}{2} - \frac{\sqrt{3}}{8} - \frac{\pi}{12}\right) \\ &= 1 - 4 + \pi + 4 - \sqrt{3} - \frac{2\pi}{3} = \\ &= 1 - \sqrt{3} + \frac{\pi}{3} \end{aligned}$$

$$P_{\text{inöds}} : \frac{1 - \sqrt{3} + \frac{\pi}{3}}{1^2} \approx 0,315.$$