$$e^{i\theta} = \cos(\theta) + i \cdot \sin(\theta)$$

$$\theta = \frac{\pi}{2}$$

$$e^{i\frac{\pi}{2}} = \cos\left(\frac{\pi}{2}\right) + i \cdot \sin\left(\frac{\pi}{2}\right)$$

$$e^{i\frac{\pi}{2}} = 0 + i \cdot 1 \;\; or \;\; i = e^{i\frac{\pi}{2}}$$

$$i^i = e^{i\frac{\pi}{2}^i}$$

$$(a^b)^c = a^{bc}$$

$$i^i = e^{i \cdot i\frac{\pi}{2}}$$

$$i \cdot i = -1$$

$$i^i = e^{-\left(\frac{\pi}{2}\right)}$$

$$e^{-\left(\frac{\pi}{2}\right)} \approx 0{,}2078796$$

$$i^i \approx 0{,}2078796$$