

SERIE QUE CONVERGE AL NÚMERO AÚREO

$$\sum_{n=0}^{\infty} \left(\frac{2}{1+\sqrt{5}} \right)^n = \varphi^2$$

$$\sum_{n=0}^{n=1} \left(\frac{2}{1+\sqrt{5}} \right)^n = \varphi$$

$$\sum_{n=1}^{n=2} \left(\frac{2}{1+\sqrt{5}} \right)^n = 1$$

$$\sum_{n=0}^{n=2} \left(\frac{2}{1+\sqrt{5}} \right)^n = 2$$

$$\sum_{n=3}^{n=\infty} \left(\frac{2}{1+\sqrt{5}} \right)^n = \frac{1}{\varphi}$$

$$\sum_{n=3}^{n=4} \left(\frac{2}{1+\sqrt{5}} \right)^n = 2 - \varphi$$

$$\sum_{n=4}^{n=\infty} \left(\frac{2}{1+\sqrt{5}} \right)^n = 2 - \varphi$$