

$$\frac{\sin \ln i^i}{\sin \ln i} = \lim_{n \rightarrow \infty} a_n,$$

*2003 раза*

$$\text{где } a_1 = -\frac{1}{2}, a_2 = -\frac{\sqrt{e}+1}{2},$$

$$a_n = a_{n-1} - \frac{a_{n-1} - a_{n-2}}{2(n-2)} \quad (n \geq 3).$$