

$$\begin{aligned} S_1 + S_2 + S_3 + \dots \text{ in infin.} &= a_1 \frac{q^n - 1}{q - 1} + a_1 q \frac{q^n - 1}{q - 1} + a_1 q^2 \frac{q^n - 1}{q - 1} + \dots \text{ in infin.} = \\ &= a_1 \frac{q^n - 1}{q - 1} (1 + q + q^2 + \dots \text{ in infin.}). \end{aligned}$$

Ha $n = \infty$ akkor

$$S_1 + S_2 + S_3 + \dots \text{ in infin.} = a_1 \cdot \frac{1}{1 - q} \cdot \frac{1}{1 - q} = \frac{a_1}{(1 - q)^2}.$$

(Pilczer Pál, Kaposvár.)

Megoldások száma: 35.