

Corrigé

$$S = u_0 + u_1 + u_2 + \dots + u_{19}$$

$$S = u_0 + u_0 + r + u_0 + 2r + \dots + u_0 + 19r$$

$$S = 20u_0 + r \times (1 + 2 + \dots + 19)$$

$$S = 20u_0 + r \times \frac{19 \times 20}{2}$$

$$S = 20 \times (-1) + 2 \times \frac{19 \times 20}{2}$$

$$S = 360$$