

## Corrigé

$$S = u_0 + u_1 + u_2 + \dots + u_{14}$$

$$S = u_0 + u_0 \times q + u_0 \times q^2 + \dots + u_0 \times q^{14}$$

$$S = u_0 \times (1 + q + q^2 + \dots + q^{14})$$

$$S = u_0 \times \frac{1 - q^{15}}{1 - q}$$

$$S = -9 \times \frac{1 - 2^{15}}{1 - 2}$$

$$S = -294\,903$$