Haciendo q tender a infinito

$$\frac{\sum_{n=0}^{\infty} (-1)^n 2^{3n} = 0.3 \sum_{n=0}^{\infty} z^{6n} + \lim_{n \to \infty} \mathcal{E}_n z^{3n} = \frac{1-z^3}{1-z^6}$$

$$|z| < 1$$