4.24 Comme -1 < r < 1, on a que $\lim_{n \to +\infty} r^n = 0$.

$$\lim_{n \to +\infty} u_1 + u_2 + u_3 + \ldots + u_n = \lim_{n \to +\infty} u_1 \cdot \frac{1 - r^n}{1 - r} = u_1 \cdot \frac{1 - \underbrace{\lim_{n \to +\infty} r^n}}{1 - r} = u_1 \cdot \frac{1}{1 - r}$$