$$\sum_{i=1}^{\infty} \frac{(-1)^{n} \cdot n!}{\sqrt{3n+1}}$$

$$\sum_{i=1}^{\infty} \frac{(-1)^{n} \cdot n!}{\sqrt{3n+1}} \cdot \frac{(-1)^{n} \cdot n!}{\sqrt{3n+1}}$$

Aplicamos criterio del cociente

COMO 1m | an+1 = 1 n+00 | an = 3