$$\frac{Q_{m+1}}{Q_m} = \frac{1 \cdot 3.5.5..(2m+1) \cdot (2m+3)}{1 \cdot 4...(3m+1)(3m+1)} \cdot \frac{1}{x^m} \cdot \frac{1 \cdot 4...(3m+1)}{1 \cdot 4...(2m+1)}$$

$$= x \cdot \frac{2n+3}{3m+4}$$

$$L = \lim_{m \to \infty} x \cdot \frac{2mt3}{3mtk} = \frac{2}{3} x$$

=> L <1 => Conf cret raportului, reria este comergentà

2° Daca
$$\frac{2}{3}x>1 \Rightarrow x \in (\frac{3}{2}, \infty)$$

=> (>1 => Conf. crit. raportului, seria este divergentà

3° Daca
$$\frac{2}{3}x = 1 - 7 \quad x = \frac{3}{2}$$

$$\frac{a_{m+1}}{a_m} = \frac{2m+3}{3m+4} \cdot \frac{3}{2} = \frac{6m+9}{6m+9} = \frac{a_m}{a_{m+1}} = \frac{6m+8}{6m+9}$$

$$\lim_{m \to \infty} m \left(\frac{9n}{4mt_1} - 1 \right) = \lim_{n \to \infty} m \cdot \left(\frac{6mt_8}{6mt_9} - 1 \right) =$$