$$\begin{array}{c} \lim_{n \to \infty} \left(1 + \frac{1}{3} + \frac{1$$

mire

$$\frac{2m^{3}+1}{2m^{3}-3} = \frac{2m^{3}-3+3+1}{2m^{3}-3} = \frac{2m^{3}-3+3+1}{2m^{3}-3} = \frac{2m^{3}-3}{2m^{3}-3} + \frac{4}{2m^{3}-3} = 1 + \frac{1}{2m^{3}-3} = 1 + \frac{1}{2m^$$

Ej4) $\lim_{n\to\infty} \left(\frac{2n^3+1}{2n^3-3}\right)^n \longrightarrow 1^\infty$ indut

$$\lim_{M \to \infty} \left(\frac{2m+5}{2m-1} \right)^{3m+1} = \lim_{M \to \infty} \left(1 + \frac{1}{\frac{2m-1}{6}} \right)^{3m+1} = \lim_{M \to \infty} \left(1 + \frac{1}{\frac{2m-1}{6}} \right)^{\frac{6}{2m-1}} = \frac{9}{2m-1}$$

$$\frac{(A)x}{2m-1} = \lim_{M \to \infty} \frac{(3m+1)}{(3m+1)} = \lim_{M \to \infty} \frac{(3m+1)}{(3m+1)} = \frac{9}{2m-1}$$

$$= \frac{18m+6}{2m-1} = \frac{M(18+6)m}{m \to \infty} = \frac{18m+6}{2m-1} = \frac{M(18+6)m}{m \to \infty} = \frac{18m+6}{2m-1} = \frac{M(2-1)m}{m \to \infty}$$

$$= \frac{18m+6}{2m-1} = \frac{M(2-1)m}{m \to \infty} = \frac{18m+6}{2m-1} = \frac{1$$

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