5. gyakorlat

$$\sum_{n=1}^{3} \frac{3n^{3}-2n^{2}-n}{2n^{4}+5n^{2}+6} = \sum_{n=1}^{3} \frac{3n^{3}-2n^{3}}{2n^{4}+5n^{4}+6n^{4}} = \sum_{n=1}^{3} \frac{3n^{3}-2n^{3}}{13n^{4}} = \sum_{n=1}^{3} \frac{1}{13n^{4}} = \sum_{n=1}^{3} \frac{1}{13n^{4}}$$

$$\frac{\sum_{n=1}^{1} \frac{n^{3} + 3n^{-1}}{2n^{7} + 4n^{3} + 5n}}{\sum_{n=1}^{1} \frac{n^{3} + 3n^{3}}{2n^{7}}} \leq \frac{\sum_{n=1}^{1} \frac{n^{3} + 3n^{3}}{2n^{7}}}{\sum_{n=1}^{1} \frac{n^{3} + 3n^{3}}{2n^{7}}}} \leq \frac{\sum_{n=1}^{1} \frac{n^{3} + 3n^{3}}{2n^{7}}}{\sum_{n=1}^{1} \frac{n^{3} + 3n^{3}}{2n^{7}}}}$$

$$\sum_{n=1}^{2} \frac{3^{n+1} + 5^n}{2 + 7^{n-2}} \left\langle \sum_{n=1}^{2} \frac{49 \cdot 4 \cdot 5^n}{7^n} \right\rangle = \sum_{n=1}^{2} \frac{116 \left(\frac{5}{7}\right)}{7^n}$$

$$\left| \frac{2}{2} |_{0n} - \frac{160}{2} |_{0n} \right| = \frac{2}{100} |_{0n} |_{10n} |_{196} \left(\frac{5}{7} \right)^{n} = \frac{196 \cdot \left(\frac{5}{7} \right)^{161}}{1 - \frac{5}{7} \cdot \frac{1}{7}} = \frac{\frac{7}{2}}{7} \circ 196 \cdot \left(\frac{5}{7} \right)^{161}$$

$$\frac{\sum_{i=1}^{4} (-1)^{i}}{\sum_{i=1}^{4} (-1)^{i}} \frac{N^{2} + 2}{\sum_{i=1}^{4} (-1)^{i}} = \sum_{i=1}^{4} \frac{3}{\sum_{i=1}^{4} (-1)^$$

$$\frac{\frac{7^{h-3}}{7^{h-3}}}{\frac{7^{h-3}}{h!}} = \lim_{n \to \infty} \frac{\frac{7}{n+1}}{\frac{7}{n+1}} = o < 1$$

$$\frac{1}{\sqrt{n+1}}$$

$$\frac{7^{h-3}}{\sqrt{n+1}}$$

$$\frac{1}{\sqrt{n+1}}$$

$$\frac{1$$

21 35h

$$\frac{\sqrt{\left|\frac{3^{5}}{\sqrt{3}}\right|}}{\sqrt{\left|\frac{3^{5}}{\sqrt{3}}\right|}} = \frac{3^{5}}{\left(\sqrt[3]{4\sqrt{3}}\right)^{3}} - 3^{5} > \sqrt{1}$$
divergens

$$\lim \frac{(n+3)!}{\frac{(n+1)^{n+2}}{(n+1)!}} = \lim \frac{(n+1)^{n+2}}{(n+1)^{n+2}} \cdot (n+3) =$$

=
$$\lim_{n \to \infty} \frac{1}{n+3} \left(\frac{n}{n+3}\right)^{n+3} = \frac{1}{2} \left(\frac{1}{n+3}\right)^{n+3} = \frac{1}{2} \left(\frac{1}{n+3}\right$$

$$5' \left(\frac{h^2 - 1}{h^2} \right)^{h^2} - 5' \left(\frac{1 - \frac{1}{h^2}}{h^2} \right)^{h^2} = 1$$

$$\sum_{n=1}^{\infty} \left(\frac{n^2 - 1}{n^2 + 4} \right)^n = \sum_{n=1}^{\infty} \alpha_n^n \rightarrow 0$$

$$\lim_{n \rightarrow \infty} \int_{b_n}^{b_n} = e^{-\frac{\pi}{2}} (1 - \frac{\pi}{2}) \operatorname{bornersens}$$

$$\frac{3}{5h \ln^2} = \frac{3}{10} \cdot \frac{5}{1} \cdot \frac{1}{h \cdot \ln^2}$$

$$\frac{1}{h + equal huiténium}$$

 $\int_{2}^{\infty} x \, dx = \int_{2}^{\infty} ly \, ly \times \int_{2}^{\infty} = \infty$ $\lim_{n \to \infty} divergens$