** Konnepond Har perdama

** Yacund 3:

** Macund 3:

** Macund 3:

** Deputition N° 32:

** Description N° 32:

** Proposition N° 32:

** Description N° 33:

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 $-3a_{n} = \frac{1}{(n-1)(n+3)} = \frac{1}{4(n+3)} = \frac{1}{4(n+3)} = \frac{1}{4(n+3)}$

$$1) N = 2 - \frac{1}{4} \left(1 - \frac{1}{5} \right)$$

$$1) N = 3 = \frac{1}{4} \left(\frac{1}{2} - \frac{1}{6} \right)$$

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$$1) N = 4 = \frac{1}{4} \left(\frac{1}{3} - \frac{1}{4} \right)$$

$$1) N = N - 1 = \frac{1}{4} \left(\frac{1}{3} - \frac{1}{4} \right)$$

$$1) N = N - 2 = \frac{1}{4} \left(\frac{1}{3} - \frac{1}{4} \right)$$

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$$1) N = N - 3 = \frac{1}{4} \left(\frac{1}{3} - \frac{1}{4} \right)$$

$$1) N = N - 5 = \frac{1}{4} \left(\frac{1}{3} - \frac{1}{4} \right)$$

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$$1) N = N$$

With sin
$$\frac{N^2}{8+(\frac{1}{n})^n} = \lim_{n \to \infty} \sin(n^2(3+\frac{1}{n})^n)$$

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

$$= n^2(3+\frac{1}{n})^n$$
Thumerum pogukanbellumi repuzetak kalleli:
$$\lim_{n \to \infty} n(n^2), \lim_{n \to \infty} (\frac{1}{n})^n = 1, \lim_{n \to \infty} \frac{1}{n} = 1, \frac{1}{n} = \frac{1}{n} \leq 1$$

$$\Rightarrow png ckegumen.$$

$$\Rightarrow$$

*) Pag cragumnia $\Rightarrow \frac{\chi^2}{4} \le 1 = \chi^2 (4 = \chi \times (-2; 2))$ +) $\chi = -2 \Rightarrow$ Pag uneem lug: $\sum_{n=2}^{\infty} \frac{(-2)^{2n-1}}{4^n \cdot n \ln^2 n} - \text{packaguman}$ +) $\chi = 2 \Rightarrow$ Pag uneem lug: $\sum_{n=2}^{\infty} \frac{2^{2n-1}}{4^n \cdot n \cdot \ln^2 n} - \text{cxguman}$ =) Conocmb cxogumatu: $\chi \in (-2; 2]$.