Donanna pason 1

30g. 1

Dor., re nikn za nz 2 Pem:

D-lo no unageyens.

1. Faza: n=2 2! < 2 - ga

2. Hexa e Capho 3a navoe K= n, KEIN, K72

3. Cranka: 34 n= K+1

 $(V+\Lambda)^{2} = K^{2} + (\frac{1}{2})^{2} + (\frac{1}{2})^{2} + \cdots + (\frac{1}{2$

=7 (K+1) K > K (1)

(K+1)! = K! (K+1) < KK (K+1) < (K+1) (K+1) = (K+1) K+1

=7 (KH)! < (KH) =7 N! < N , N Z 2 V

$$\frac{3a\sqrt{2}}{6}$$
6) $f(x) = \frac{1}{A+25x^{2}}$, $\times 20$, $f^{-1}(x) = \frac{2}{3}$

$$\frac{1}{4} = \frac{1}{A+25x^{2}}$$
, $A+25x^{2} = \frac{1}{3}$, $25x^{2} = \frac{1}{3} - \frac{1}{3}$, $\frac{1}{3}$

$$\frac{1}{4} = \frac{1}{A+25x^{2}}$$
, $x = \frac{\sqrt{A-3}}{5\sqrt{3}} = 7$

$$\frac{1}{4} = \frac{A-\frac{5}{3}}{36x^{2}}$$
, $x = \frac{\sqrt{A-3}}{5\sqrt{3}} = 7$

$$\frac{1}{4} = \frac{A-\frac{5}{3}}{36x^{2}}$$
, $x = \frac{A-\frac{5}{3}}{5\sqrt{3}}$, $x = \frac{1}{3} = \frac{1}{3}$

$$\frac{1}{4} = \frac{1}{3} = \frac{1}{3}$$

$$\frac{1}{4} = \frac{1}{3} = \frac{1$$

$$\frac{3\alpha_{2} \cdot 3}{n^{2} + n} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} - n \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{5n^{2} - n}{n^{2} + n} - \frac{5}{n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n^{3} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2} - n}{n^{2} + n} \right) = \lim_{n \to \infty} \left(\frac{n^{3} + 5n^{2}$$

$$\left(\lim \frac{(n^2 + 7n^5 + 1)^3}{(n^4 + n^3 - n^2 - n)^{10}}\right) = 0$$
; no-name or tage 6 snamemorena e 36 < 40.

$$\lim_{n \to \infty} \left(\frac{2^{n} + 4}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(\frac{2^{n} + 2 + 2}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 + \frac{2^{n}}{2^{n} + 2} \right)^{n} = \lim_{n \to \infty} \left(1 +$$

$$\lim_{n\to\infty} \left(\frac{n^2 + 3n + 5}{n^2 + 10n} \right) \frac{6n + 42}{n + 2} = \lim_{n\to\infty} \left(1 + \frac{-7n + 5}{n^2 + 10n} \right) \frac{6n + 42}{n + 2}$$

$$= \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_{n\to\infty} \left(\frac{1 + (-7n + 5)6n}{n^2 + 10n} \right)^{6n} = \lim_$$

$$= \lim_{n \to 0} \left(1 + \frac{-42n^2 + 30n}{n^2 + 10n} \right)^{6n} = \frac{-42}{6n}$$

$$|x-5| \angle \frac{\varepsilon}{5} = 7$$
 so $\delta_{\xi} \leq \frac{\varepsilon}{5}$ in $0 < |x-5| < \delta_{\varepsilon}$ e hyperheno $|5x+6-37| < \varepsilon$.