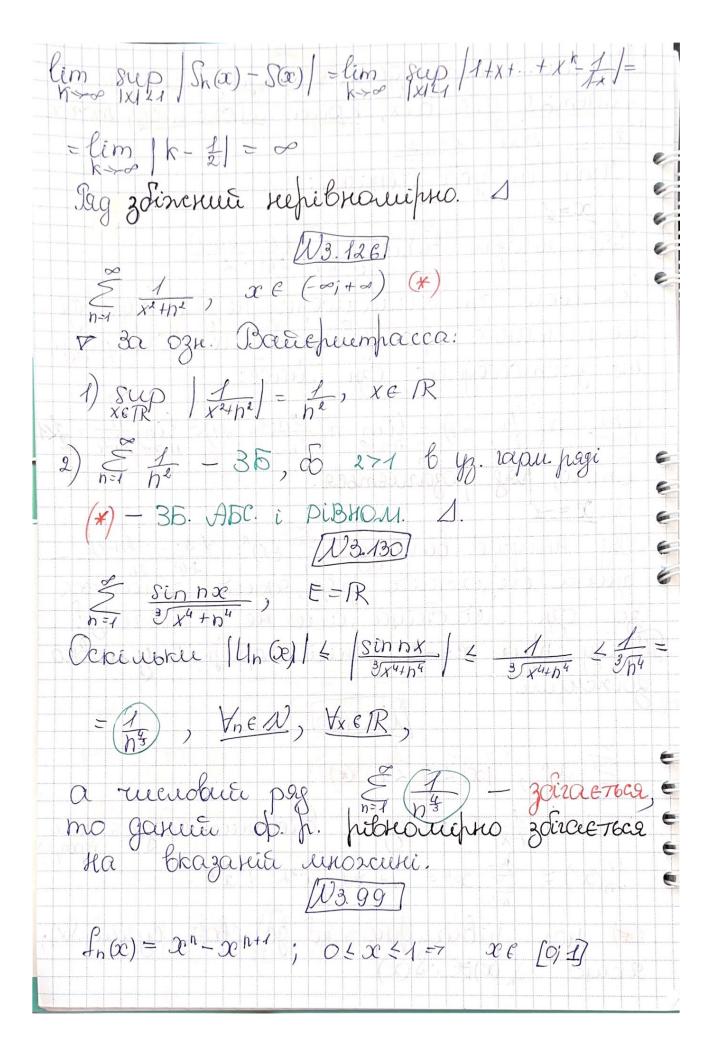


Maximu reman gamen do p. acanomino zonaembea gea beix, prine, moren Dzn. yi gba bunagru: Ing Hadybac burnagy $= \frac{1 \cdot 3 \cdot - (n-1)}{2 \cdot 4 \cdot \cdot \cdot \cdot 2n}$ Ockinsku zn. Danandepa re gae bighobigi na numarna nho 36. uporo rucustoro pagy, то застововувню озн. Раабе: $\lim_{n\to\infty} h\left(\frac{Q_n}{Q_{n+1}}-1\right) = \lim_{n\to\infty} h\left(\frac{2n+2}{2n-1}-1\right) = \lim_{n\to\infty} \frac{h}{2n+1} = \frac{1}{2}$ Omnce, pag hozdira embea. 2) x = -1 Íg Hadybae bunuagy ξ (+)ⁿ. 1·3···· εn-1) _ znaκοποτερελομία pag, ancia zoira ε τος α 3a 3r. Metrokiya, and ree & adeal. 3d. They nou x=-1 garete op. p. 6 ymobro zoinchum W3. 120 €xn, 1x12921 (*) V Sa) = 1-x (ex cyna beier neck. Chagnor rean nporp) $S_n(x) = \sum_{k=1}^{n} x^k = 1 + x + x^2 + \dots + x^k$ (+) pag. hibraripro 30. go chat cymu S(x); akujo S_k(x) ≥ S(x)



V f(x) = lim fn(x) = lim (x"-x")=0; xepi1] $g_n(x) = x^n - x^{n+1} - x^n (+x)$ $g'(x) = (x^n - x^n + 1) = nx^{n-1} - (h+1)x^n + x = 0 =$ $= x^{n-1} (n - (n+1) x) = 0$ $\chi_n = \frac{n}{n+1}$ $\frac{S(p)}{x \in \beta} \frac{1}{y^n} = \frac{2^n + 1}{x = 0} = \frac{2^n + 1}{n} = \frac{2^n + 1}{n} = \frac{2^n + 1}{n} = 0$ $\beta: \frac{1}{n+1} \longrightarrow 0, x \in [0,1]$ Omace, opyrek. n-mo sa braz uenose zoir pibearipa W3.104] $f_n(x) = \frac{2nx}{1+h^2x^2}$; $0 \le x \le 1$ $\nabla \lim_{n\to\infty} f_n(x) = \lim_{n\to\infty} \frac{2nx : n^2}{1+n^2x^2 : n^2} = \lim_{n\to\infty} \frac{2x}{x^2+\binom{2}{n^2}} = \lim_$ lim sup | fn(x) - f(x) | = lim sup | 2nx - of $=\lim_{n\to\infty}\sup_{x\in[0;1]}\left|\frac{2n}{x}\right|=\lim_{n\to\infty}\frac{2n}{1+n^2}=\lim_{n\to\infty}\frac{1}{1+n^2}=\lim_{n\to\infty}\frac{1}{2n}+\frac{2n}{2n}$ $\frac{1}{x} + n^2x \rightarrow max$ $-\frac{1}{x^{2}} + h^{2} = 0; \quad \frac{1}{x^{2}} = h^{2}; \quad \frac{1}{x^{2}} = \pm n; \quad x = \pm \frac{1}{h}; \quad x = \frac$ $\frac{2nx}{1+n^2x^2} \xrightarrow[n \to \infty]{} 0, \quad x \in [0;1]; \quad x = 1$

