162 Lia Mihai George (2) Pn(x) = nx+4 Pn:(0, 0) ->R CS, CU pe (O,1) si (1;00) Fie x & Co, 1] fixat $\lim_{n\to\infty} \int_{-\infty}^{\infty} (x) = \lim_{n\to\infty} \frac{n x^2 + 4}{n \times 44} = \lim_{n\to\infty} \frac{n (x^2 + \frac{44}{n})}{n (x + \frac{44}{n})} = X$ =>peto, 15 Par Co, 15 Px Par $\lim_{n\to\infty} \sup_{x\in[0,1]} |f_n(x) - f(x)| = \lim_{n\to\infty} \sup_{x\in[0,1]} \frac{nx^2+4}{nx+4} - x| =$ $= \lim_{n \to \infty} \frac{3ap}{x + 0.13} \left| \frac{nx^2 + 4 - nx^2 - 4x}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac{-4x + 4}{nx + 4} \right| = \lim_{n \to \infty} \frac{cap}{x + 0.13} \left| \frac$ => f ~ C U > p × Fie XE (1,0) fixat $\lim_{n\to\infty} f_{\bullet}(x) = \lim_{n\to\infty} \frac{n(x^2 + \frac{1}{4})}{n(x+\frac{1}{4})} = x$ Str (1,00) # X HOURS ling cup | pn(x) - p(x) | = ling sup | mx +4-nx-4x /=

162 Lien Milai George Examen Analra $(m!)^{4} \times 3m$ $(+m)! \times 3m$ Fie C'multirea de convergente a serie (R,R) CCCT-R,R) $\begin{array}{c|cccc}
\hline
R & - lin & - lin & (n+1)! & (4n)! \\
\hline
R & n & p & - 20 & (4(n+1))! & (n!) & ($ $= \lim_{n \to \infty} \frac{(4n+1)!}{(4n+1)!} \frac{(4n+1)!}{(4n+2)!} \frac{(4n+2)!}{(4n+2)!} \frac{(4n+2)!}{($ $(4n)! = \lim_{m \to 0} \frac{(m+1)!}{(m+2)!(4n+3)!(4n+4)!} = \lim_{m \to 0} \frac{(m+1)!}{(4n+2)!(4n+3)!(4n+4)!} = \lim_{m \to 0} \frac{(m+1)!}{(4n+2)!(4n+3)!} = \lim_{m \to 0} \frac{(m+1)!}{(4n+2)!(4n+3)!} = \lim_{m \to 0} \frac{(m+1)!}{(4n+2)!(4n+3)!} = \lim_{m \to 0} \frac{(m+1)!}{(4n+2)!} = \lim_{m \to 0} \frac{(m+1)!}$ = lin (1+ in) 4 1 256 R 256 => R = 256 = 44 Strike converge pe (-43,45)

