(15) Теоргения Конт (критерий сход-ти поенед-ти) megnema: Myoms fxn & noemeg-ms, marga fxn & exeguenjances noeregebament noomt & xn & goyngamerem noeneg-16. усновие конц 9-60! Flim kn=a, a∈R +E>0, €>0 FneN ∀n>N 1) Heroon. h→∞ пербходимо ч goem-o greet exeguncer neeneg k $\forall p \geq 1$ $n+p \geq N$ $|X_{n+p}-a| < \frac{\ell}{2} \Rightarrow |X_{n+p}-X_n| = |X_{n+p}-a-(x_n-a)| \leq \frac{\ell}{2}$ Kereern. nfregery < | \(\x_{n+p} - a \right| + \| \x_n - a \right| < \frac{\ell}{2} + \frac{\ell}{2} = \ell, \quad \chi \x_n \right\) opyngamerem. noeneg-m6. 2) Doemanormoers. of xn & goyngamen. nocine => [xn } orpanionen. n-16=> I { Xnx } nognoence. To { xn}, kompan exegumen, m.e. 1) 48>0 3N1 EN Yn> N1 Yp>1 |Xn+p -Xn| 2 m. e { Xn} grynigau. 2)] lim Knx = a no & >0] KeN K>N1 YK>K | Xnx-a/2 & 6 raemucemu $|x_n-a| \leq \frac{\varepsilon}{2} (m.e \operatorname{cxeguly-ce nceu-te})$ 3) $\exists N = n_{k}$, $n_{k} \geq k \geq N_{k}$ $\forall n \geq N_{i}$, $p = n - N_{i} \geq 0$ $N_{i} + p = n \geq N_{i}$ => N+P=N1, N=N1 => |XN+p-XN| < & |xn-a| = | xnx-a| < \frac{2}{2} => |xn-a| = |(xn+p-xn)+(xn-a)| \le | $\leq |X_{n+p} - X_n| + |X_n - a| \leq \frac{e}{g} + \frac{e}{g} = \varepsilon$ YERO BN=hkeN Kn=N |xn-a|<&>> Blim xn=a