DOK-BO BENOMORATENGHUX GAKTOB 6.M.77 + 6. M. 17 = 6. M.17,] lim an =0, lim bn =0 T.e. an u bn -deck. man. noc-74 = lim an +bh = 0=> $\forall \epsilon > 0$ $\exists h_{\epsilon} \in \mathbb{N} : \forall h > h_{\epsilon} : |a_{n}| < \epsilon$ y ∀ε>0 ∃n'ε c [N: Vn ≥ n'2: |Bn | < ε D Ye > 0 Jn= max{ne,ne}: Vn > n= 19n+bn/ (a) | (an) + | (bn) ≤ 2 € 6.M.17 x OPP.17 = 6.M.17] an - orp. T.e.] M>0: VncW: |anl<M Jdn-6.M.N r.e. YE>0: Jne ∈ N: Vn≥ne: |dn/ < E JBn = an. dn D VE>0]NEW: Yn>N: |Bn/<M.E=> => (im Bn = 0 => Bn - S. M.T. Равиосильность посл. ч Б. И.П. $\exists \lim_{n \to \infty} a \iff d_n = a_n - a, \lim_{n \to \infty} d_n = 0$ VE>0]NEW: ∀n ≥ N: |an-a| ∠E < poblo combubile VE>0]NEW: Vn >N: 1/2 2 EL

Aprique cb-ba hpegenob

$$(a_n - a) + (b_n - b) = (a_n + b_n) - (a + b) = d_n + \beta_n$$

$$(\alpha_n - \alpha) - (\beta_n - \beta) = (\alpha_n - \beta_n) - (\alpha - \beta) = \beta_n - \beta_n = \beta_n + \beta_n \cdot (-1)$$