Tyung unumul un-lo X < 1R. III. a E R najubarom upizensued, eam b Любой её проколотой окрентични есть точки un-Ba X. ( b'ûla) 3x EX: x E ûla) Tyreger no Kouus: lim f(x) = b; & c IR - oots onneg. f(x) θε>0 35>0: Θχε ασία) ΩD f(x) ε υείβ) Tregas nowigobam: lim an = 8; IN - ODS. onneg. VE>O INEIN: UneIN: uzN ane Uz(b) Gnocmoponnue upegener (areba / comaba) (a-5,a)

 $\lim_{x\to a-0} f(x) = \beta \iff \forall \varepsilon > 0 \ \exists \delta > 0 : \ \forall x \in \mathring{u}_{\delta}(a-0) \land D \ f(x) \in U_{\varepsilon}(b)$   $\lim_{x\to a+0} f(x) = \beta \iff \forall \varepsilon > 0 \ \exists \delta > 0 : \ \forall x \in \mathring{u}_{\delta}(a+0) \land D \ f(x) \in U_{\varepsilon}(b)$   $\lim_{x\to a+0} f(x) = \beta \iff \forall \varepsilon > 0 \ \exists \delta > 0 : \ \forall x \in \mathring{u}_{\delta}(a+0) \land D \ f(x) \in U_{\varepsilon}(b)$