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(16) Onpegenerene njægena opyrmismi 6 morne (no komu)
      Критерий Лейне существов алине предена.
 Ont 1 Ryome DCR, morga robopiem, umo 6 escaemu D enpegene-
 non gogninique y = f(x), x & D, eeuis +x & noemabueno becom-
 bemombue rueno y ER, D-081. Onfreg. apren fox)
Опр. (преден дрин по кони). Пусть дрин Ях) спределена в мекоторой проколотой области У(а), а с В, тогда говорим,
rmo I lim f(x) = A, A & R => Y &> 0 I d> 0 Vx, 0 & | x-a | < 0 | f(x) - A | & &.

Near course A & James | 3 auceranue: (Equipment operation of pegena)!
                  totata leun Flim Kn=A, mo en equencemberenous.
 mech (Knumepuis leine cyujeemb. npegeuce) Ryomo Grus f(x) on propegeucena le mekotopicis nprokonomois experimentalis.
 a e R, morga I lim f(x) = A, AeRE> & (xn), xne V(a) =>
 DOK-60: I(Heroxog-mu). Ryomo I lim f(x)=A, ACR YE>O JO Vx,
0/1x-a/8 14x1-41/8
  \Rightarrow [x_n \rightarrow a (n \rightarrow \infty) \Rightarrow f(x) \rightarrow f(n \rightarrow \infty)].
 Bozoullu { Xn}, Xn e V(a) u npegnouoneum, rmo Flim f(x)=a
  m.e xn >a (n > 0) No rueny 8>0 INEN xn>N 02 |xn-a/20 =>
=> | H(xn)-A|< &, YE>O =NEN Yn>N | H(x)-A|<& >> = A, m.e.
   f(xn) -> f(n-sor) => Y(xn), xn & V(a)
     [ th > a(n > co) => f(xn) -> f(n > co)] => recouragement gon-a.
II (Doemamorricems) Rjegnovieneur, umo Conoceneur yeurob-e leure,
 me Y[xn], xne V(a) [xn > a (n > 0) => H(xn) -> A(n > 0)]
 Donance u cynjeembebanne npegena grun mergen omperubu. (\forall \ell > 0 \exists \delta > 0 \ \forall x, 0 < |x-a| < \delta, |f(x)-f| < \ell)

(\forall \ell > 0 \exists \delta > 0 \ \forall x, 0 < |x-a| < \delta, |f(x)-a| < \delta, |f(x(\delta))-f| \ge \ell^* > 0

\exists \ell^* > 0 \ \forall \delta > 0 \ \exists x = x(\delta) \ 0 < |x(\delta)-a| < \delta, |f(x(\delta))-f| > \ell^* > 0
  \delta = \delta_n = 1, \chi(\delta_n) = \chi_n, \exists \epsilon^* > 0 \forall n \ge 1 \exists k_n, o \ge |\chi_n - a| \ge \epsilon^*
     x_n \in \mathcal{V}(a) \Rightarrow x_n \rightarrow a (n \rightarrow \infty) \Rightarrow no year. Verifie <math>f(x_n) \rightarrow f(n \rightarrow \infty)
   \ell^*>0 \exists N^*, \forall n \geq N^* \mid f(x_n) - A \mid \leq \ell^* \Rightarrow \mid f(x_{N^*}) - A \mid \geq \ell^* \mid promule p.
          Jeim f(x)= + (no keuu)
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X> a.