Ozn: 3.1.1. (za Teune) Mercia que f(x) buzuarena na inteplanti (a; 6) kpin nomembe Torma X00 (a; 6). l'ucus A rezubacter repanyers pri fices 6 Tory to, exigo que Sygo-exor nocuigobucci { xn}, xne(a, b), xn + xo, \* ne N, Taket ye lim Xn = Xo, nowigodnicio {f(xn)} 3 Sizaetece go zueva A, TOSTO lim f(xn)=A, y Taxony pazi zanucyrote lim f(x) = A.

Teopena 2.2.1. Teopena no éguier repanys.
Trochigo bnicro ne nonce never gbox piznus
repanyo.

Dobegenne. T Tipungerum, cynporubne, rosto Hexañ icnyé raica nochigobnicté { xn}, yo Lim Xn=a, lim Xn=b, npuromy a + b, i nexañ nochigobnicte a + b, i nexañ

gue buznarensori a c b. Hexai  $E = \frac{6-a}{3}$ Tog; U<sub>E</sub> (a)  $\cap$  U<sub>E</sub> (b) =  $\emptyset$  (2.1)

a-e a+e b-e b+e

3 zigno 3 oznarenem zpomeg; moemo (3N.)(4, >N.) { | Xn-a | < 8}, (3N2)(4, > N2) { | Xn-6 | < 8}.

Hexañ  $N=\max\{N_1,N_2\}$ . Togi gue  $(4n>N)\{1X_n-a|<\epsilon\}$  i  $\{1X_n-b|<\epsilon\}$ , Tobro evenent nochigobnocti  $\{x_n\}$  3 homepann, Singumun b N, ognozacno navenut go  $U\epsilon(a)$  ta U(b), a ge nemoranto 3 ornegy na chibbignomenne (2.1). Ot punique Cynepernicto goboguto vyo a=b  $\Delta$ .

Teopena 2.2.2. Tipo duesumico zóinenoi nomigobnos: 35ineur nochigo brieve obniene obniene Dobegonne V Hexan Lim Xn = a. Bigno 3 oznarenne epanny nochigobnoci que E=1, maemo (3NEN) (4n>N) {1xn-al<1}, Tooto (4n >N) {a-1<xn < an3. Tipurinemo Met max { 1x,1, 1x21,..., 1xv1, la-1, la+1}. Ornice (Un & IN) {IXn/4 M3. D. Lewmen Konners & Bedoning R women of the