

lia E20, devemos provore que wiste C e No EZ Kal que para todo K, vo ex E C-1, C) Valem as desiqual dades;

L(CIN+(J+E)M) 
$$\sim E_{1}^{2}$$

(1 + E)  $\frac{1}{2(L+K)} - \frac{1}{2(L)} - L$   $=$ 

Com into, Il  $\times$  (C-1) + NO, i winter

le  $L$ C-1,C) e  $K$   $=$   $2$   $+$   $4$   $=$   $2$ 

remos portanto, que para todo lETC-1, Z | exezt, Temos que:  $\left| \frac{f(\lambda+K)}{K} - \frac{f(\lambda)}{K} - L \right| = \left| \frac{\sum_{i=0}^{K-1} \left( \frac{f(\lambda+i+1)}{K} - \frac{f(\lambda)}{K} \right) \right|}{K} = \left| \frac{f(\lambda)}{K} - \frac{f(\lambda)}{K} - \frac{f(\lambda)}{K} - \frac{f(\lambda)}{K} \right|$ f(1+i) - 2 ) | J(A+K) - f(A) - L| < = | f(A+i+A) - f(A+i) - L| J(1+K) - J(1) - L/L & E/3

K 1=0 \( \frac{\k^{-1}}{k} \)  $\left| f \frac{1}{K} - f \frac{1}{K} - L \right| = \frac{\varepsilon}{3}$ Como; line 1=0,e; lim (Clh/+(1+C)MC)= C/L/+M E Alque que: lin 1 (CILIT/1+C) MC) = 0 Alem divisor: line (1+C) = 1 KAHO (K) = 1 Lo fixoremos vo EZ+ tal que para todo K7 vo Valem as designal da des;

$$|\frac{1}{\kappa}(c|k|+(1+c|mc|)| < \frac{\varepsilon}{2}|e|$$

$$1+c < \frac{3}{2}$$
Dusta forma, para  $l \in Lc-1, c \mid e \mid k \mid v_0$ 

$$tempo que!$$

$$|\frac{1}{\kappa}(c|k|+(1+c)\mid Mc| < \frac{\varepsilon}{2}$$