(45) Doemamoroice yourbue suempremuna & menannas Emopoù npeuzeogoioù. mech! (memp. gries & mepes. Em. np. i) ryomo f(x) e C(v(x0)) glanegor Menp-a 4 grupp-a $f'(x_0)=0$, morga

1) leu $f''(x_0)>0$, mo x_0 morna empororo min gruu $f(x_0)$ 2) leun 4"(xo) < 0, mo xo morka empororo max fex) 3) leun $f''(x_0) \ge 0$, mo nurero cuajaro receszol. $\frac{g-bo!}{f''(x_0)} = 0$, mo nurero cuajaro receszol. $\frac{g-bo!}{f''(x_0)} = 0$, me $f''(x_0) = 0$, $f''(x_0) = 0$, f''1(x)=0, mo f(x)-f(xo) = \frac{1''(c)(x-xo)^2}{2} $\exists \sigma > 0 \ \forall x \in \mathcal{V}(x_0) \ \mathcal{I}''(x) > 0, \ \mathcal{I}''(x_0) \in \mathcal{C}(\mathcal{V}(x_0)) \Rightarrow \forall x \in \mathcal{V}(x_0) \exists c \in \mathcal{V}(c)$ $f(x)-f(x_0)=f''(c)(x-x_0)>0$, $f(x_0)=f(x_0)+f(x_0)=f(x_0)+f(x_$ a) Don-en anavorumo. Am gon-ba 3) paecen zamerame u samer. ryomo $f(x) \in C^2(V(x_0)) + f(x_0) = 0$, $f''(x_0) = 0$. (1) $4 = x^3$. $4' = 3x^2$ u'' - r. 1) y(0)=0, x=0, y(x)>y(0) x<0 inx) < y(0) 1) y=x3, y'=3x2 1 X<0 y(x) < y(0) to me abilier cut memperery work. y"=12x2 y(x)=-25/20 y =4x3 y(0) = 0 -> xo-morna y"= 0 max f(x) K02 0 1xozo y'(0)=0 y = 12x2 $y' = 4x^3$ Xo-T. min f(x) 3) y= X" X020

Koro