Brodugolo Bengugrosolo Mopkolog, Sou. 81241 E! Uzgrecheque bropars moursans (zuokai) zo apostepho uo uz mornoca en seproduaroca no Slx) (coorder no poctene u no nos some un Slx).  $f'(x) = -sign(x) - 2 \cdot (x-2) - 4/3 \times -2/3$ x >0 -1 f(x) -2. (4-2) -4/3 x -2/3 Held  $f''(x) = \frac{12}{3} \cdot \left(\frac{1}{3} \cdot (x-2)^{-\frac{1}{3}} \cdot \frac{1}{3} \cdot (x-2)^{-\frac{1}{3}} \cdot \frac{1}{3} \cdot (x-2)^{-\frac{1}{3}} \cdot \frac{1}{3} \cdot$ × 20 -> f(x)-2. (42) - x-2/3 f''(x) ne a Declaurepour 8 x=01 $= \frac{y}{q} \cdot \left( \frac{y-2}{x} \right)^{-\frac{1}{3}} \frac{1}{x} \frac{1}{x} \left( \frac{2}{x} + \frac{y-2}{x} \right) =$  $\frac{3}{2} \frac{1}{9} \cdot (x-2) \xrightarrow{\frac{1}{3}} \frac{3}{x^{2}} \left(3 - \frac{2}{x}\right)$  $\frac{3-2}{x}=0$   $\frac{3 \times -2}{x}=0$   $\frac{2}{x}=0$ Bursephape  $\{0, +\infty\}$  cpre.

There paymedopre unsuprano  $\{0, \frac{2}{3}\}$ :  $(x-2)^{-\frac{1}{3}} \ge 0 \text{ u } \{3-\frac{2}{x}\} = 0 \text{ Tr } f^n(x) \text{ ato u } f(x) = u_3 \pi \sigma x \text{ usino.}$ uur.  $(\frac{2}{3}, \frac{2}{2})$ :  $(v-2)^{-\frac{1}{2}}$   $(v-2)^{-\frac{1}{2}}$  (vune. (2,+00): (x-2) 70 u (3-2) 70 m f (x) 70 u f(x) enjurordans. з е тогка, в коро в торого троизводия си снеця зинка (първого ражие е наполяване) и дочик- $\frac{y' \left(2 + \alpha + \frac{2}{3} \frac{\left(1 + 2\right)^{-\frac{1}{3}} \left(2 + \frac{1}{3} \left(2 + \frac{1}{3}\right)^{-\frac{1}{3}} \left(2 + \frac{1}{3}\right)^{-\frac{1}{3}}\right)}{2 - \frac{1}{3} \cdot \left(2 + \frac{1}{3} \cdot \frac{1}{3}\right) \cdot \left(2 + \frac{1}{3} \cdot \frac{1}{3}\right) - \frac{1}{3} \cdot \left(2 + \frac{1}{3} \cdot \frac{1}{3}\right)}{2 - \frac{1}{3} \cdot \left(2 + \frac{1}{3} \cdot \frac{1}{3}\right) \cdot \left(2 + \frac{1}{3}$  $f''(x) = sigm(x). (4-2)^{-3/3} x^{-2/3} (3-\frac{2}{x}). \quad 3a \times 20 \oplus 20 \text{ u } (x-2)^{-3/3} 20.00$   $(4+10u \times 2). \quad 2) f''(x) > 0 \text{ u } f(x) = uzmokusto$   $3a \times 2$ 30 x=2. (-4/g. (3-2)) X pool neuvre no Domaporagnora 1 y = +1(x0) - (x-x0)+f(x0)=  $= f'\left(\frac{2}{3}\right). \left(x-\frac{2}{3}\right) + f\left(\frac{2}{3}\right)^{2} \quad \text{[Buur. } \left(0,\frac{2}{3}\right) \text{ apospulsor us } f \text{ ce uspulps us } 0\right)$   $= 2 \times 9.66664 = \frac{1}{3} \cdot \left(x-\frac{2}{3}\right) + f\left(\frac{2}{3}\right) \cdot \left(x-\frac{2}{3}\right) \cdot \left(x-\frac{2}$ cap- 3