1. Nelis je f: [a, b) -10, b) repelinuti identor. Thesoti def for so porodiche loite omorne periode 5:0 Potori, kon tell' Tulion teorem polisioti de oles fixi ima pp 5, emble ima i 3
x* je pen solično triko penoda 30d f(x) du je f (x) = x+
$i \neq (x^*) \neq x^* \forall k \in [1, m]$
x* je jety 800 f(x) when je f'(x*) = x* i
$\int_{\mathbb{R}^{n}} x^{*} \neq x^{*} \forall k \in \{1, m\}$
Sarkorli teorem 3757. 787472
=) elu im jet si ondo imo; 8.
2. Ishvesti dej ph 3 as negrolei nets i tentro x. Potom juhoseti do je x+=1 ph 3 as f(x)= \frac{3}{2} \times^2 - \frac{1}{2} \times -1
x* je juhi3 ad \$1/1.3 x2-1 x-1 ales \$3(x1-x*
i fb(x*) + x* + k E(1,3)
$f(0) = -1$ $f(-1) = \frac{3}{2} - \frac{1}{2} - 1 = 1$
f(1)= \frac{3}{2} - \frac{1}{2} - 1 - 0
2 -> 1 -> -1 -> 0
3. Poleasur de che je f: [1,2) -> [1,1) repolements ikustori de je f([11,2]) 1 [1,2)= & do tede f neme f 1. ne introin 1,2
1(x*)=x* it men do h ((11,2)))(1,2)
moros i mote booren i sejectiviche boilen, x*; teoles je neme selljui ujem da f(s) neme f.t. no (1.2)
religioniques da f(x) neme f.t. no (1.2)
Follosoti do des je 411.33 -3 (2,3) referencial ikurus i des je
4([1,3)) N[1,3]=[2,3] do leda fect ince f. 1. no[1,3]
Als je iterator represeivant, moči do ce fix) borem
jednom presperi prense y=x, a to je uguso
plemo tocka
the control of the co

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filesse trite i od rede 1 i od vede 2 i dok ou jety 3

1. loje m 1. t od 3, di mon m'od 1 miod?
6. 1.[0,3] -> t0,3] - neme mts jednn gh3me t0,3]
          f([0,1])=[2,3] f([0,2]) \cap [0,1] - \beta
f([1,2])=[0,3] f([1,1]) \cap [1,2] = [7,1] \text{ maxe}
f([2,3])=[0,1] 
2° style f(x) no (1.1), 1(x + 1= x +
   stoje f?(x) ne(1)) f?(x*)=x*
 Ship for (x) not 1,2) $3(x+)=x+
 (012) \ \ 433 \qquad y-1 = \frac{3-1}{1-3}(x) \ \ y = x+2
 (A.3) (2,0) y = \frac{3}{1-1}(x-1) = -3x+6
 (210) (33) 	 y = \frac{1}{3-2} (x-2) - x-2
 (X+[1, \frac{1}{3}) -3X+6 -> X-2
                                   f(x) = -3x + 4
 x + [4, 5] - 3x46 -,7 - 3x+6
                                   1 (x)= 9x -12
 X E [ 5, 2) - 3x++ -> x+2
                                   f(x)= +3x+B
    9x-12 = x * 8x *= 12 x *= 3
                                   X+[4,5] 9x-12-7 x-2
  XE[1, 3] -3X+4-> X+2
  Y ( [ 13] 9x-n →
                                    x+ 15,2) - 3,x+8-> x-2
 yt [13, 19] yx-17-> - 3x+6
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8. f: (0,4) -> (0,4) knownote ph 3 meron) 0.3, 1.4 $y-3=\frac{4-3}{1-0}x=x$ y = x+3 f(x))=x * x * +3=x* neme ph. $X+3-> X-2 f^{1}(x)= X+1$ (2(x+)=x.+=> x++1=x+=> neme gety 2 (1.5)(2.0) $y = \frac{4}{1-2}(x-2) = -4x + 8$ X+1-> - 4X+8 $f^{3}(X) = -4X+4$ $f^{3}(X^{*}) = X^{*} -4X^{*} + 49 = X^{*}$ x = 5 je 1/3. 9. Loolanje nepreisinati ikuta f: [0,4] -> [0,4] ptpine inkerdn[1,0) f(x) = -4x+8 $f(x^*) = x^* = 3$ $[1,\frac{3}{7}]$ -4x+8-> x-2 => -4x+6(3 19) -4×16-7 -4×18 -> 16× -24 $\begin{bmatrix} \frac{2}{5}, 2 \end{bmatrix}$ - $\frac{9}{4}$ + $\frac{8}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ - $\frac{9}{4}$ $\frac{1}{4}$ $\int_{1}^{2} (x)^{2} \left\{ -\frac{4x}{16x} - \frac{3}{24} + \frac{3}{2} \right\}$ (-4x-11 x = [= , 2) $-4x^{2}+6=x^{2}$ $x^{2}=\frac{6}{5}=2$ y.ty.216x+-14=x* x*= 24 = 8 -> mostyredim or f(x) my ptp2 -4x + 11=x + x = 11 12 proto is in known