Jenines

Tie X = T / The NT. Motor Plosino

Jel: lin x = 0 E Y E > 0 F n E E NT 0 N

The state of the state o Tie X = I / Y = NT Notati folosi 12-0128 Contom nean, In English of Englis 

lin x = lE) YE>O 3 nEENtra 122-1/284> -8/2-1/8 -E+L < 22 < E+L x2 € ( l - E, l+E) [2] 1-E | R+E [1-1 Aloge ESOOR. FlJCl-E, l+EZElJ+1 Un estlel de Elxiste desorèce l-[1] 0 ni [l]+1-l>0 LFZ 92: [1]<1-E=>E<1-[1] Puten slege E E Co; min (l-[l], [l]+1-l) Bt. ecest & 3 ne eN r. 2. 42 2 n & over x-t(l-E, l+E), dor 2 2 eZ nt dienen r'(l-E,l+E) N 2/= Ø contiddictie Pein wond, REZ Criterial menostului nt siaini ou termeni Lite positivoi Eigh)  $C(0, +\infty)$  o. R. Elin 2cx1 = 1  $E(0, \infty) = [0, \infty) \cup \{\infty\}$ 1) Doco l < 1, otuno lim xn = 0 2) Doco l > 1, otunei lim xn = 0 2) Doco l > 1, otunei lim xn = 0

3) Doco l-1, oturci ocetos m decide 3. Eil a rodet, bi n'er Fol: Eil & - - ro, n'en Apl. reit 20p. pt (22)~ li stron = loron = a 20 x - 200 = a I Docto @>1 => lin x\_-000 I Dete e < 1 => li + = 0 III. Doro e=1, m re note deade  $0 = 1 = 7 \quad \text{li} \quad \text{for } 1 = 1$ An obtaint ling 25- 10, 20 (0,1) 6 6 Certein radicalului et mi cu taren Fie (tn)\_Cto, +0) e. n. Illi The tl (fo, +0) = ( C (0, +0) 1) Doce l c1, stunci lingt n = 0 2) Doce l > 1, stunci lingt n = for 3) Doce l > 1, stunci seet sixt m esto. 4. Fie ~, 2 €(0, €0), Det her 2/5/4)

0

6

9

5

5 9   $\lim_{n\to\infty} \sqrt{2} = \lim_{n\to\infty} \frac{2n}{n+3} = \lim_{n\to\infty} \sqrt{2} + 1$   $\lim_{n\to\infty} \sqrt{2} = \lim_{n\to\infty} \sqrt{2} + 1$   $\lim_{n\to\infty} \sqrt{2} = \lim_{n\to\infty} \sqrt{2} = \lim_{n\to\infty} \sqrt{2} = 0$   $\lim_{n\to\infty} \sqrt{2} = \lim_{n\to\infty} \sqrt{2} = 0$ 3) Doco 10 = 1 => x = (on 2+5n+3)  $\frac{2+3}{n+1}$   $\frac{2n+2}{2n+2}$ 27 li 2+32+1 li 2+32+1 li 2+1 li 2+1 = 10 27 li 2+32+1 li 2+1 li 2+1 = 10 27 li 2+32+1 li 2+1 li 2+1lin & = lin (1+pr452+3 n>00 (1+pr452+3) lize x = ) 0 , re < b lize , re = & Boz Fie (X), C(0,0) 0.2. 19 X ~+1 not e [0, so] Aturei 3 li VXIII Pol: Fie (x), x=~, Y~EN

6. Fie 21-1+2+1+2+N yst: Asto  $(x_n)$  et monto nMostonic  $x_1 \in \mathbb{N}^4$   $x_2 \in \mathbb{N}^4$   $x_3 \in \mathbb{N}^4$   $x_4 \in \mathbb{N}^4$   $x_4 \in \mathbb{N}^4$   $x_4 \in \mathbb{N}^4$ --1 FT FT 1 ( Fig. f(x) = f(x) + f(x) f(x) = f(x) + f(x) f(x) = f(x) + f(x) f(x) = f(x)• front-petront15 fræme (r,n+1) Jaglongline (r,2th) 6 DA FORDER C26 (2/211) = D2 C2 < 2-1) => 1+12 2 2 1 =7(xe)\_ d (1) Magniele: Clont. voi! En Lagrange