

1/n-0/=/xn/=/n/= $\frac{1}{2}m \times \frac{1}{2}m \times \frac{1}{2}m$ Hegem ME = [=]+16 N/* Aven ne> = vi (t) n = ne, to) m > = Deci (t) m = n & aver (xn -0) < & ce. lim xn = 0-2 (xn) n < 1/2 are a lea, lim xn = l Andati Ca le 1 te7+1 likym= (E) (+) E>O In E EN Q. (H) m= mE 1 xm- l/ < E latem Papier abounded L&Z 1xm-2/2 E => = E = m - l < 5/+ C 2+lc xm < E+l (=) xn ((2-8, 1+8) Pig

Un arther de g existe decarece l'éjes l-[2]>0 n [0] +1-l>0 11/2 l-E (=> E < l+(1) 2+5 < 127+1 () 8 < 127+1-K Paten alege & 6 (0, min (1-11) (1-11) Hacest Ejjag EN a TH) nz ng ovem xn E (l-E, 1+E) Dar Xn & 71 (In Ex ni (+ 5) (1-E, l+E) 0 72-0, Contraction Prin unmare l'ET

Creterial raportulus Minuse cu ternen duct Fie(xu)n c(0,00) a. ? I lim xnot not n-100 Vm Xm XA = 0 Daca lim xu= 00 a cert criteria sur decide. (B) Daca 3. Fie a o not lim man Kn m = m-an Aplican cut rap. pt (m) , >0 lin m+1- a Cem xn+1 AHOO XM (A) Xn=0 =) lem a \$1 Daca =) lim x n = co laca a=1 alunes outerial un de cido Fila = 1 aluna xn = m. m = m Those An Cm n -60

0, a € (0,0 Am obtant Criterial radicaldui pt rinere xn Fie Kn) on Closes a. E. Jlun XM= 60 atunci a cost ordera ma 4. Fil a, 5 e (0,0) det lin a.m?+51+3 12 9-100 6m2+3m+1 an7+5m+3)mme bind + smtl oriterial radicalula not an2+5m+3 bm + 3m+1 i. e a (b)=) li x = 0 Daca (Pa) 5) him ym = 6

atuna interial mu deade lim (an2+5n+3) n = lin (1+2n+2) n-20 (an2+3n+1) = n-360 (1+2n+2) - (1+2 n+2) 2 n+1 / 2 n+2 m 2 n+2 / 2 n+2 / 2 n+2 m 2700 (am2 +3m+1) e mit 3m+1 = ling of (2+ (2)) Prop File (xm) a c (0,00) a & Flin xm! not E to, of Atenei Flin Vxn=l Filemin = x m= m, me x/* ling x mt/ = ling mt/ = 1 =) ling V m = 1 prop de mai

6. File Xm = 1+1+ + - + 1 - lun (t/mex = Arat ca XII convergent tat ca en monoton si margenet. monotonia Fil nGNT en att Xm+e-Xm = X+X+ - ln (n+1) + lu 1 In MI LAGRANGE. - 1 (ln(a+1) - lu m tie fm: [m, n+1] - for In controlly [a, nti] KHGRANGE fordered relained =) Fin E (n, not fr(cn)= fanti)-fanta) tenelantia. Cofice tm (cm)=

