In convergent Seminar 2 Thet lim xn i lim in preciound daca exista limita luixa, unde $y_n = 1 + 2 \cdot (-1)^{m+1} + 3(-1)^{m(n+1)}$ I m 4 x x x = 1+2 (-1) 4n+1 + 3(-1) 4n+1 1+2.(-1)+3=2 (an+1) (an+2) 4 x4m+1 = 1+2 (1) 4m+2 + 3(1) (4m(1)-2(2mt1) 1+ 2.(+1) 4n+3+3(+1) (4n+2)(4n+3) (4m+3) Canea n+2(1)4(n+1)+3(-1) +3-6

4 x U (4x+4) U 4x+2 t (4x+3) 22,0,-4,69 (u considera ni +00) =6 Com Xn lum Xm = -4 lom xn + lom xn = (t)nex 27/ 6) ×m= run rin m'11 = 0 - 2 300 11 rin (3n+1) u rin m 97 13m+1= min. con run my. son 4 = X6m+1 = (1) 2m, V3 X3-2m+1 5 m-100 X3(2nf1)+1= X6n+4= (-1)2n+4. 13 13m+2 = nin (3m+2)11 - run (my + 24 m11 - 60 24 am + renoa.

X6 m +2 = n-50 X6n+5= N= 6NU(6N+1)U 202 Xn n con nu XME (t)new ntta Vem XM (t) now (0) m 11 2 con mu m N n? EA m2 (1 m2 +1 XM = 0=) m-100

est nume visit de mai jos a preciste dacă gile com any plinninger of 1 (+1) - 2 + 1 (0 - 0) - 1 (and) = (MH)! Xn= (n+1) 1 (+) n 6 21 4 Sn= xa+ ... + xn = f + f + ... (n+1)! = 44-1 + 84-1 + . . . + 24-1 = 第一千多一千十八十 (min) ! = 1 - 1 + 1 - 31 + 31 - 6 line Smit Eles Smi come =) 5 x21 CP

adiali convergenta rau no, Aplicam raportuliu XMT a 700 a vem: m= Kn cone de Miguta ym ym=

100 to n=02111 Xn = 2 m cm (t)nes a to yn= (t)nex Xn & yn Conv Ja = rence geemetre 2 n n=0 m=0 9) =0 cuterialui 5 XAL cont 2=0 Jame +5m+3 2 m2 + 3 m +1 enter al na di callelle

m2 + 5 n +3 a=2 2 m2 +3 mm n +2 2 1+ XM M-500 2 n2 + 3 n + 1 2m2+3m+1 2 2 Best we + 2 m2 + 3 n+1 2 n3 + 2 w 2 m2 +3a +1 XM div (H)ne XX V 23 11 (I) mex len and len o criticalla comparatie convergente

divigetta grundink u d=1 2 & xw div V