Def: Seria de putori = Serie de fançii de former 2 th (x) = 2 an (x-x). Serii de pusti Pasi de rezolvare. 1. Raza x11 R-1 > 7n/V - Strie act Nothini 1. Raza de convergentio R= in Man lin land (-R.R) Intervalde convergenta A= 1 x = R | seria deputarie convagation Multimer de conversation (-R, R) SAS [-B, R] [-2,27 Sund Seriel (-2,2) 5: A->Th, s(x)===== 7n(x)

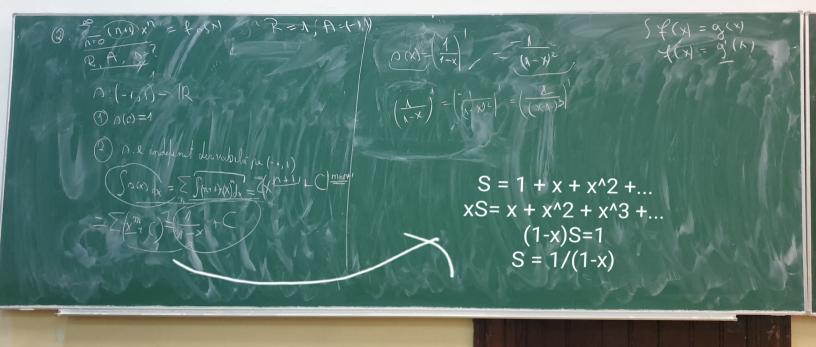
Etnix = Zán. xn l'agi de rezolvane. fire a n = (-1) · (n+y2. 13), fire y = x+2, B multimea de conv 2. Mul de cohv. Asadar cha = 13 aren = (1)

Z 1/2 converganta (sui e arminica generalizata en ex >1) Agadon B=[-{: [5] J+C-65/530-> x+1 -[-5, (3) =-x+[-5,-2, 2-2] Asadar A= [- 2-2]

Zubertin zu verpierer og gow og og 5 agis Ceum sirul admite dans relossins en limite De m=zk defente sena millo convergenta: > -14/ lin -(n+1)=-00

> (N+1) lum not = \$ \$0 => , den oriterial suficient de divergentà, aven ~100 = 1 \$ A B Dim (1), (2) pi (3) => A= (-1,1) Zan(x-xo)n; Old (xo) = ad ; I valorabla, Sig(x) dx = 2 San(x-xo)n

Ban(x-xo)n ; Old (xo) = ad ; I valorabla, Sig(x) dx = 2 San(x-xo)n



Sezyatora in our Toul se numerie seria Taylor Taylor de roung n asociat

11x1= (0) x +x=TZ =>=10)= L = (x1 = - 5 x x + x = R -) = (0) = 9 (x) = -10) x + x = R => I'(d=-1 (x1 = sinx + x = R -) 4"(0)=0 = 110(x) = (0) x + x + R => 4"(0) = 1