1. fu: 1R - 1R. f(X)= conx, ~ >0 chook to 12 random lim fu at- lim conx = 2 fu: [0,1] - 1R, fu (x) x(1+n2) PIEGODI - IR IXI= XEEQIT fix cont on Eq.17 the Win cont. choose hell sondom on - mp/h (x)-f(x) = mp/fn (x)-x = - my X(14m2)-XI= KERE 13 [X+112-126]= XERGOX - X n - 2xn = 0 |: h n - 2x = 0 x = 1 N = 0 9 (x) = = n - 1xn g: IR-IR gan-x 8(0)=0 g /= 1= 0 g(1)= 1 g'(Vs) g(x) = D, VXE(QI) 8(10) -sa-sup gestein an= lim it=0 = fu = f 3. In: IR-IR fickl- X chook XE IR random lim fo(X) - lim xin =0

4. fu: [900) -> IR, fu (X)= 1+nx lim fu(X)= lin tux = 0 6= 600)

f: [0,0)-1K, fu (x)=0, +x=[0,0) fu -1 Choox u sendon u EN an sep | frat-fall = mp | frall = mp | 1+nx | We consider the function g: Egood IR g(x)= 1+nx g'(x)= (x+nx)2 (1+nx) so glot- 1 lim + =0 = 9(b) < 1 + x ∈ [0,00]

= 9(b) < 1 + x ∈ [0,00]

= 19(1 - 14) = 140x € lima = lim vax = 0 = fu = f an= sup If (x)-f(x) = sup If (x) + sup | 21/30 | We consider the function g: IR - IR g(x) = 2n3x = . 24 e high (1-X) = Lui (1-X) e high

M® MIQUEL RII