Emmanuel Suis 4 d(x/g(x)) = f(g(x)) g(x)(1+g(g(x))) f(x) { (+g(g(x)) = x(1+g(x)) X = 1 + g(g(x)) Si E(4)=1(1) g (a) = g (b) 1+ g(x) =) z) 9 2 b  $a = \frac{1 + g(a)}{1 + g(a)} = \frac{1 + g(g(b))}{1 + g(b)} = b$ 2(g(x)) = xg(x)+ x-1 >0 2(g(x)) = 2g(x) +1 9 g(g(g(x1) = g(x)g(g(x1))+g(x1-1 -xg(x)g(x) +xg(x) -1  $(x(g(x))^2 + xg(x) - 1)$ 

81 Stant 81. 82(x) 21 2(g(x1)=xg(x)+x-1>g(x)=x>1) 2 g(g(x)) > g(g(x)) 2(g(g(x1)) = g(x)g(g(x1)+g(x)-1) g(g(+)) >1 Entences pera x>1 => g(x) (1) pusible sol: f(x) = x+1, g(x) = { => & (g(x))= &(\frac{1}{x})=\frac{x+1}{x} S(x)y(x)= x+1 2 20 novo  $x+1=S(x)=X(1+\frac{1}{x})=X(\frac{n+1}{x})=X(1)$ Finitu, solo incluye on x x x x