a) ly = P(a,x, f(g(x))) and l2 = P(y, f(z), f(z) 9: = E MALLER Eli) = P(ax, f(g(y))) O(2) = P(4) f(2), f(2)) 2:=[x < f(z)] ; as a limitaier for x and f(z) 0: = 02 = [y = a][x = f(z)] = [y = a, x = f(z)] O(1) = P(a, f(2), f(g(a)) O(l2) = P(a, f(2), f(2)) A. [ye-a] sumifier for y and a O = On =[yea], O(l,)=P(a, x, P(y(a))) Q((2) = P(a, f(Z), f(Z))

A = 1 = ga) enfre of the ferms 2 and g(a) 0:=02=[1/c-a,x/-/c9)][Z=g(a)] =[/= a, x /(g(a)), 7 < g(a)] = mgu(l, l2) Therefore Q(1) = Q(10) = P(a) f(g(a)), f(g(a)) is the commont instance of le and la 1) P(x, 2(f(a)), f(h)) and P(f(y), 2, 2) 0:=E 0(1)=P(x)g(/cas),f(h) Q(l2) = P(f(x) , 2, 2) 2:=[x+f(y)] emper for x and f(y) 0: = 07=[x=f(y)] O(1) = P() g(f(w)), f(b) O((1))=p(1(4), Z, Z)

7:=[2 g(f(a))] unifier for her 2 and offass O: OR = [xe fy][Ze-g(fco)] =[x = f(x) = = g(f(a)] O(P) = P(f(x), g(f(a)), f(l)) O(l2)=P(fy)g(fco),g(fco)) The ferms f(h) and g(f(a)) are most enifiable and meconolide that the literals ly and le are not empall es prasx, f(g(y))) and P(Z, h(Z)W, f(l)) O(l) = P(as x, f(g(x)) O(ls) = P(2) A(24), f(h)) if 1 2:=[z = a] unfin for Z and A 0=0n=[= [= c]

