b) HHP= Has Health Roblem HC= High Cholesterol HBS= High Blood Sugar

CX) 28HUC(X) OHEC(X) OHHP(E) XU

[CX) 28HUC(X) OHHP(X, Y) OHHP(X) PX W

(X) 28HUC(X) OHHP(X, Y) OHHP(X) V HIBS(X)

VX) 28HUC(X) OHUC(X) OHHP(X) V HIBS(X)

c) DC = Dointe Cotre HBS= High Blood Sugar

YX JDC(X)-> JHBS(X)

Yx DC(x) V7HBS(x)

D(x) V7HBS(x)

d) WO = work out SL = Shoo life $\forall x (H C(x) 1 7 WO(x)) - 7 SL(x)$

HX7 (HC(X)/7WO(X)) USL(X)
HX [7HC(X)V WO(X)] USL(X)

7 HC(x) V WOCX) VSL(x)

e) 77 x Lazy (x) 1 Works Out (x) 7 Lazy (x) 1 Wostes Out (x) f) tx Fats (Donald, x) -> FF(x) VX76a+S (Donald,x) UFF(x)
7Ea+S (Donald,x) UFF(x) a) 7 Dont Code (Den ald) h) lazy (Donald) b) Lazy (Donald) Vx Eats (Donald) x) -> Fast Food(x) So we know Donald is lazy and for all food it. We know by a) x=Donald so since Yy Eats (Donald, y) > Fost-Foodry) + hon Jz Hostleatth Problem (Donald, z) by b) Donald has either High Chologier or High Blood Syger he does not have high blood sugar so by b) he has high Cholestorol.