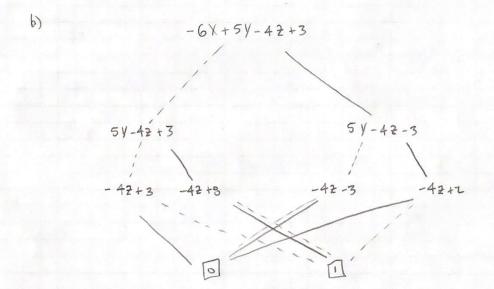
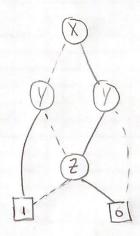
- (1) f(x, y, 2) = -6x + 5y 42 + 3; x, y, 2 ar 6, rong footen.
 Classific laber potent if f(x, y, 2) =0.
 - a) X=1, Y=1 $f(1,1,2)=-6+5-42+3=-42+2 \Rightarrow f(1,1,2)=-42+2$ In several, when the value of X & Y on known, f(X,Y,2) with Simply become a function of only <math>Z & a consent.





2 does not impact the Instance Classification, or is evident in the above OBDD

a) Indicate clauses:

Parameter Claure:

b.) B= bo - Add (I bo) to the parameter clauses

[= Iao 7 Iai Ibo 7 Ibi 7 Ico Ici

= 7W-105(0.0002696)

a) - apply connect method on all possible continent

\$\overline{U}\overline{X}\overline{Z} + \overline{U}\overline{X}\overline{Z} + \overline{X}\overline{Z} + \overline{X}\overline{Z} + \overline{X}\overline{Z} + \overline{W}\overline{Z} + \overline{W}\overline{Z}

- apply consumer method on all possible combinations

ZZ + XZ + Wy + Wy

#The only term not subsumed by \$\frac{1}{2} or wy is \$\bar{u}\frac{1}{2}

> Prime Implicants? WX9, XZ, Wy

b) Sufficient Remon for instance Wxy 2:

a) Instal : E,7F, G, W, R

 $\left[T \Lambda \left[(7 T \Lambda (T \vee T)) \vee (T \Lambda T) \right] \right] \vee \left[T \Lambda T \Lambda T \right] \Rightarrow \forall e s$

Ð [ΕΛ[(FΛG)ν(FΛW)ν(7FΛR)]ν[GΛRΛW]

(ENFAG) V(ENFAW) V(ENTFAR) V(GARAW)

constitut on CI & C3: ENGINR SUFFICIAL

constitut on CL 3 C3: ENWIR => Rector For Decision: (E,G,R)

c) The docision is biased because each of its sufficient reasons, (E,G,R). + (E,N,R), contains at least one protected feature, R.

5) a) False b) False

c) True