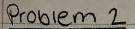
Julia Nelson CS-135 Problem Set 2 2/4/18
"I pledge my honor that I have abided by the Stevens Honor System." & Nelson

Problem 1:

- a) Yddy Fool(Lem, y, d)
- b) = x=y Yd Fool (x, -y, d) ^ (y = 1x)
- (b, y, x) 1007 bEyExt (2)
- d) Yd Yx Yy Yz Fool (x, y,d) -> Fool (y, z,d)
- e) Yd Tool (Lem, Lem, d)
- f) Yx Yd Wise (x) -> 7 Fools (x, x, d)
- g) +x 7dty Wise(x) Fools(lem, x, d) +> Fool(Lem, x, d) Future (d, y))
- h) Ix Id Ty Fools (x, lem, d) > Fools (Lem, lem, y) ^ Fittue (y, d)
- i) Yx 3y 3d Fools (y, x, d) Fools (y, x, 2) Future (d, 2) -> 7 Wise (x)
- j) =x == 3d =y Fool(x, lem, d) Fools(t, lem, y) -(lem=x) -(lem=z) -(d=y)

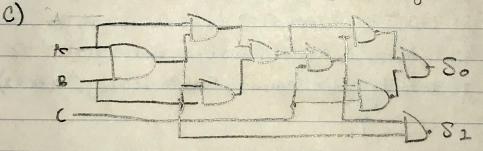


a) a+b+c in terms of So and S1 0=F1=T

a	6	C	So	82
0	0	0	0	0
0	00	1		0
0		0		0
000	110	1	0	1
1	0	0		0
1	0	1	0	1
1	-	0	0	A CONTRACTOR OF THE PARTY OF TH
1	1		1	American School (1985)

b) So = (a, b, c) v (a, -b, -c) v (-a, b, -c) v (-a, -b, c) S1 = (a, b, c) v (-a, b, c) v (a, -b, c) v (a, -b, -c)

NAND CHOICE connective (new some is you wanted 1")



 $S_0 = ((a\tau b\tau c)\tau (a\tau b\tau c))\uparrow ((a\tau b\tau c)\tau (a\tau b\tau c)))\uparrow ((a\tau (b\tau b)\tau (c\tau c))\tau (a\tau (b\tau b) - (c\tau c))\uparrow ((a\tau a)\tau (b\tau b)\tau (c\tau c)))\uparrow ((a\tau a)\tau b\tau (c\tau c))\uparrow ((a\tau a)\tau (b\tau b)\tau c)\uparrow ((a\tau a)\tau (b\tau b)\tau c))$

 $S_1 = ((a \uparrow b \uparrow c) \uparrow (a \uparrow b \uparrow c)) \uparrow ((a \uparrow b \uparrow c)) \uparrow ((a \uparrow a) \uparrow b \uparrow c)) \uparrow ((a \uparrow a) \uparrow b \uparrow c)) \uparrow (a \uparrow (b \uparrow b) \uparrow c) \uparrow (a \uparrow (b \uparrow b) \uparrow c)) \uparrow (a \uparrow (b \uparrow b) \uparrow c)) \uparrow (a \uparrow b \uparrow (c \uparrow c)) \uparrow (a \uparrow b \uparrow$