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CoCo Lab #2

X	Y	Z	A
0	0	0	
0	0	1	
0	1	0	1
0	1	1	
1	0	0	1
1	0	1	
1	1	0	
1	1	1	1

$$SOP = \bar{X}YZ + X\bar{Y}Z + XY\bar{Z} + X\bar{Y}\bar{Z}$$

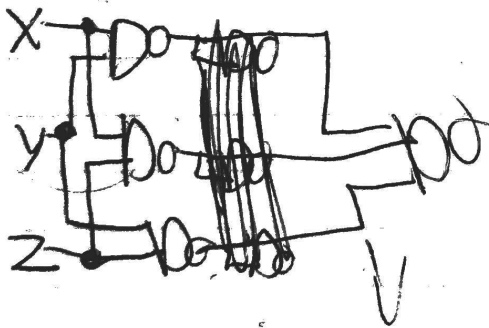
From espresso:

$$F = XY + XZ + YZ$$

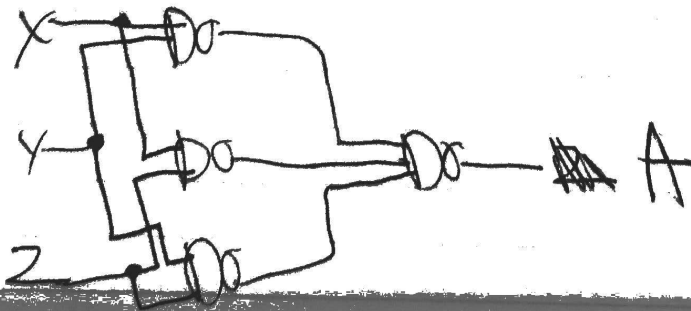
$$F = \overline{A+B+C} = \overline{A \cdot B \cdot C}$$

$$= \overline{XY \cdot XZ \cdot YZ}$$

Circuit



Circuit part B



#Lab7 Part A Input

.i 3

..

.o 1

000 0

001 0

010 0

011 1

100 0

101 1

110 1

111 1

#Lab7 Part A output

.i 3

.o 1

.p 3

11- 1

1-1 1

-11 1

.e

#Resultant Boolean Expression: $F = XY + XZ + YZ$

