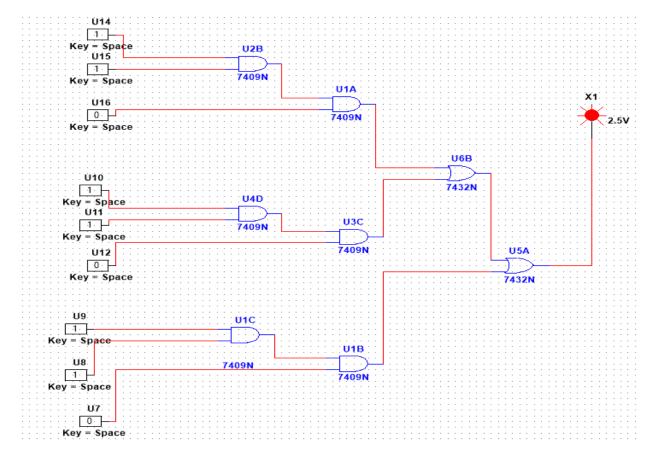
Questions:

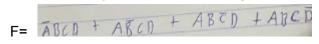
1. State the operation of the 2 of 3 Logic Controller and explain how it works.

An explanation of how a 2 of 3 Logic Controller works is basically that when all the 3 inputs are high(1) then inthat case the output should be low, only when exactly 2 out of 3 inputs are high then the out put will result in high, other than that, you will get an output of low as shown in the table below.

А	В	С	Υ
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	0



2. How would you make a 3 of 4 Logic Controller?



Then we simplify to F= ABD + ABC + BCD + ACD

