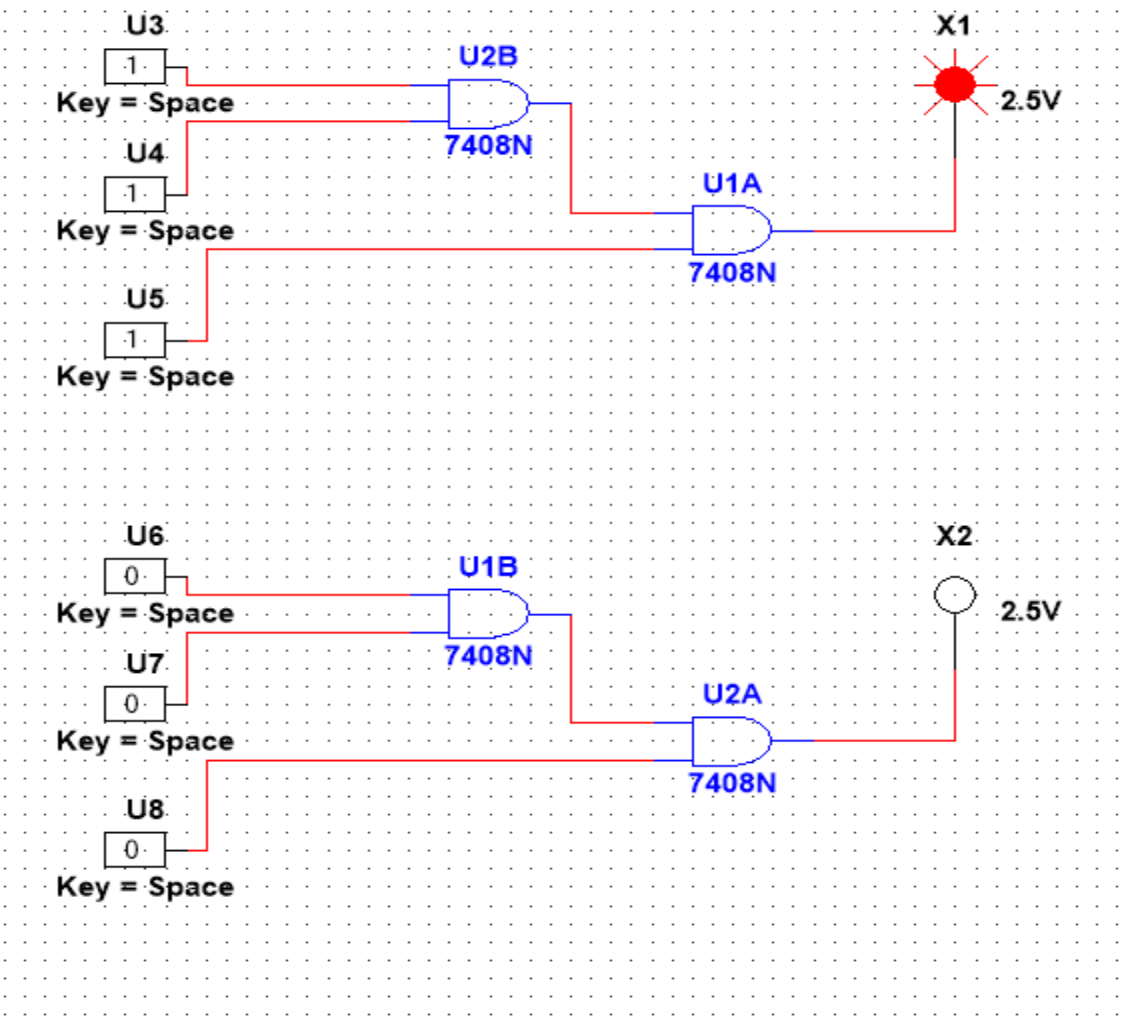
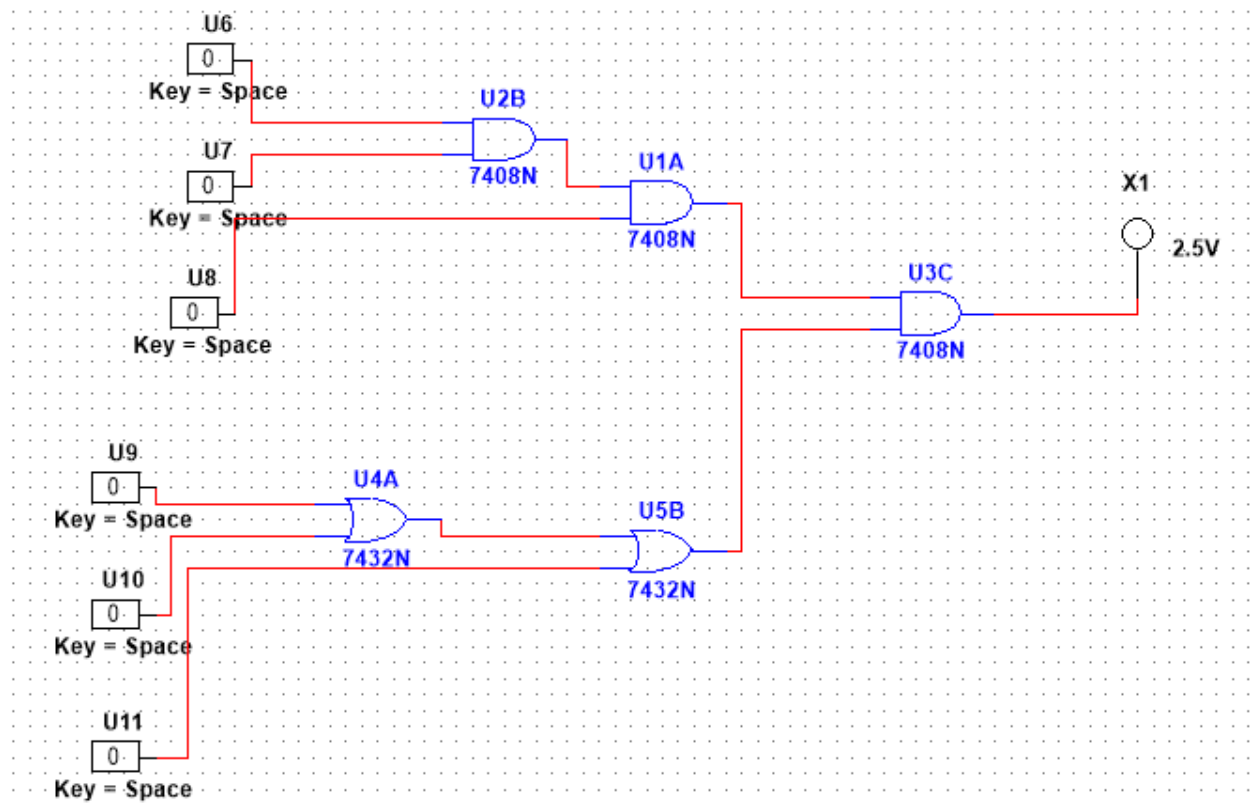


PART A:



A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

PART B:



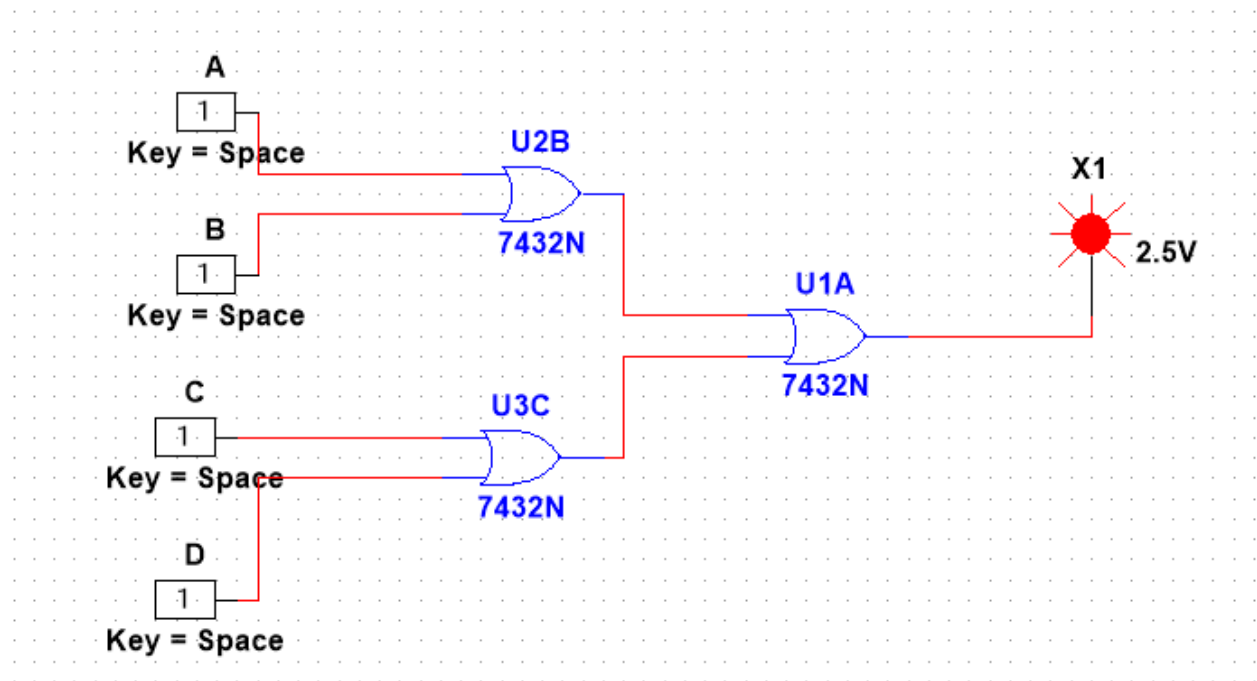
PART C:

Q1: What is identical while comparing the 7408 and the 7432 pin-outs?

A1: while comparing the 7408 and the 7432 pin-outs i found that the AND gates in 7408 are being Replaced By the 7432 OR gate which is identical.

Q2: How would you make a 4-input OR gate out of one 7432 IC chip? Draw the Logic circuit using gates with the pin numbers shown at each input and output.

A2:



Q3: Write the Boolean expression for the 4-input OR gate.

A3: $Y = (A + B + C + D)$