

LAB 01 – Assignment

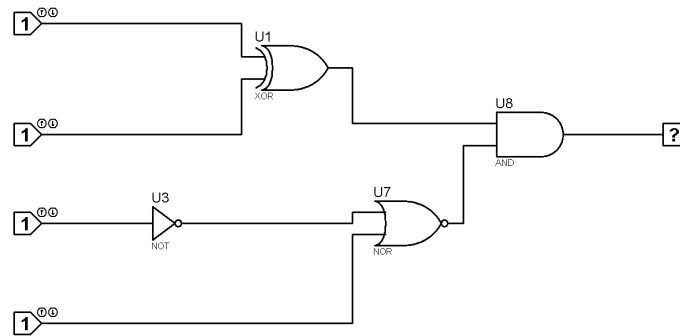
Full Name: İrem Karakaplan

Student No:20220808056

Task: Sketch and simulate the Boolean function below on Proteus Design Suite by using minimum possible number of gates. Don't do any simplifications.

- Export your design as .BMP format and paste the image into the box below.
- To Export as .BMP File: **FileExport GraphicsExport Bitmap**. And place it in the box below.

PS: Screenshots **will not** be accepted.



- Fill out the truth table below based on the simulation results.

A	B	C	D	F
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0

1	0	0	0	0
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0