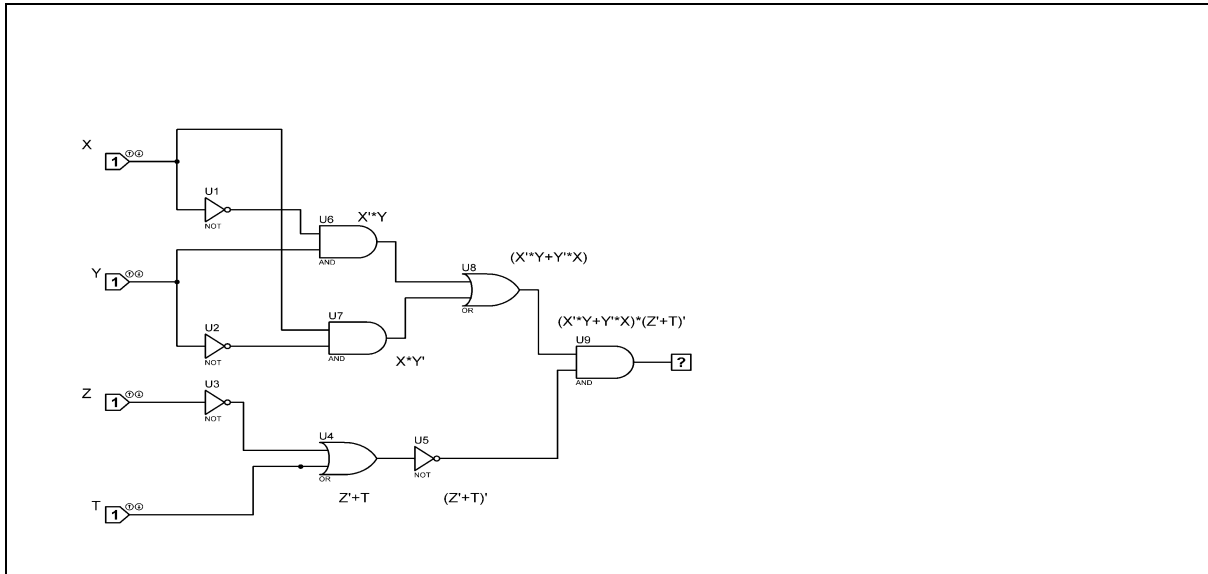**LAB 02 – Assignment**

Full Name: Kamil Çoban

Student No: 20180808060

Task: Sketch and simulate the Boolean function below on Proteus Design Suite.

$$F(X,Y,Z,T) = (X'.Y+Y'.X).(Z'+T)'$$

- Export your design as .BMP format and paste the image into the box below.
- To Export as .BMP: File→Export Graphics→Export Bitmap (select resolution 600 dpi)

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

X	Y	Z	T	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