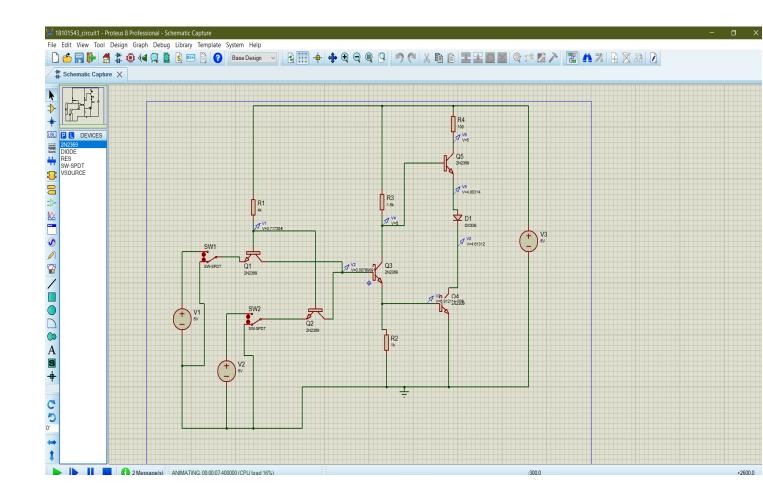


CSE350, LAB03

Submitted by:

Simon Biswas, Id:18101543 Section: 04.

Input A	Input B	Input(VA)	Input(VB)	V0	V1	V2	V3	V4	V5	V6
0	0	0	0	4.613	0.717	0.007 6	6.912	5	4.803	5
0	1	0	5	4.613	0.755	0.049	6.967	5	4.803	5
1	0	5	0	4.613	0.755	0.049	6.967	5	4.803	5
1	1	5	5	0.009	2.653	1.942	1.036	1.129	0.569	4.997



Ans. to the ones. no. 9-01

The totem pole stage is the output buffer. The totem pole also consists of complementary driven two treansistory.

Ano. to the Ques. no. 9-02

Totem pole is used in place of passive pull up registors because pull-up registors have very high output impedance which are not good fore high loads.

Ano- to the Ques-no-3-03

To supplies the complementary wor voltages for the output transistons 14 and 15.

Ans. to the ares. no. g-04

If there were no OI dide, then the Atlansister 13 would be in partweation. For this reason, excess current may would pass through it which may be wasted.

Ans. to the aus. no. g-og

open confectore outputs one two one more gates can be connected logether and the connection is called a wired two in ease of toten pole gates we cannot wire two totem pole gates as the connection might produce excess current damage the device. When the losic gates are of opposite loves then the gates tray to drulve the wire to their own voltages which can cause malfunction so, we cannot wire throat two fotem pole.

Ans. to the august 1000 on the pole.

The phase splitter applits the ser input signal into two separate signals with a difference of 1800 difference.

