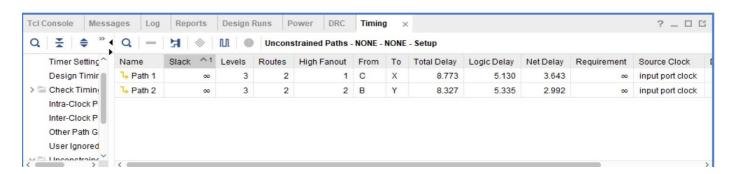
Lab Report 3

A. Truth Table

Α	В	С	~C	A+B	~(A.B)	(A+B)XOR(~(A.B))=H	X=	Y=
							(A+B)XOR(~C)	(A+B).H
0	0	0	1	0	1	1	1	0
0	0	1	0	0	1	1	0	0
0	1	0	1	1	1	0	0	0
0	1	1	0	1	1	0	1	0
1	0	0	1	1	1	0	0	0
1	0	1	0	1	1	0	1	0
1	1	0	1	1	0	1	0	1
1	1	1	0	1	0	1	1	1

B. Combinational delay



In this we can see that maximum combinational delay shows up in path from c to x which is 8.773 as observed during circuit synthesis.

C. Resource Utilization

