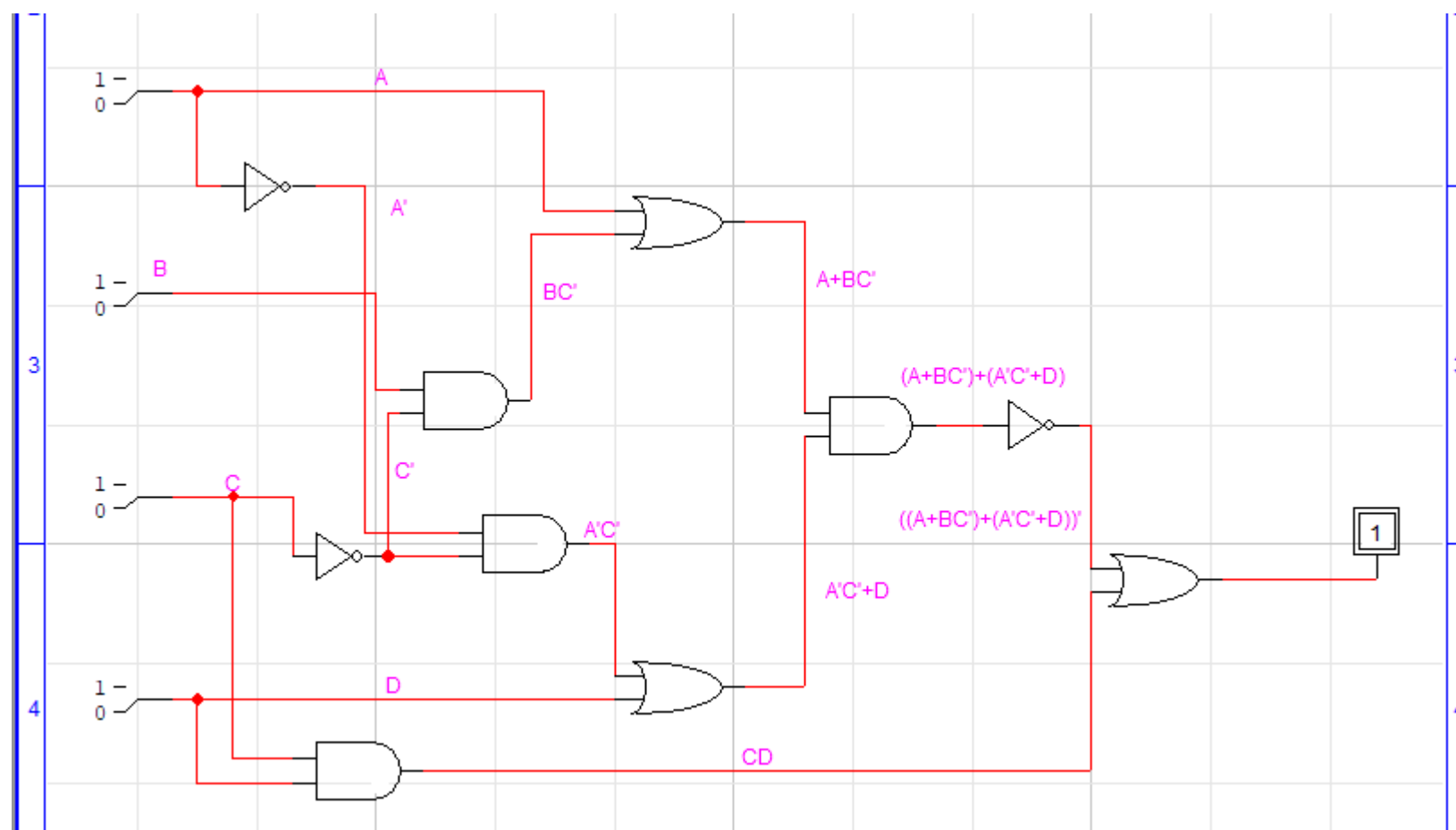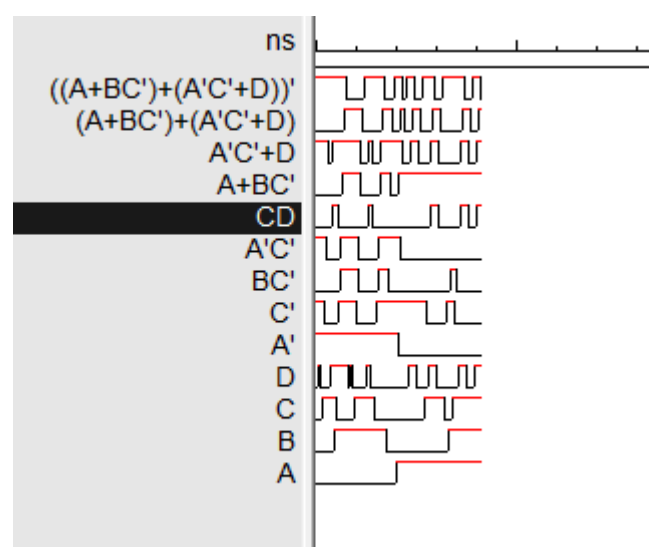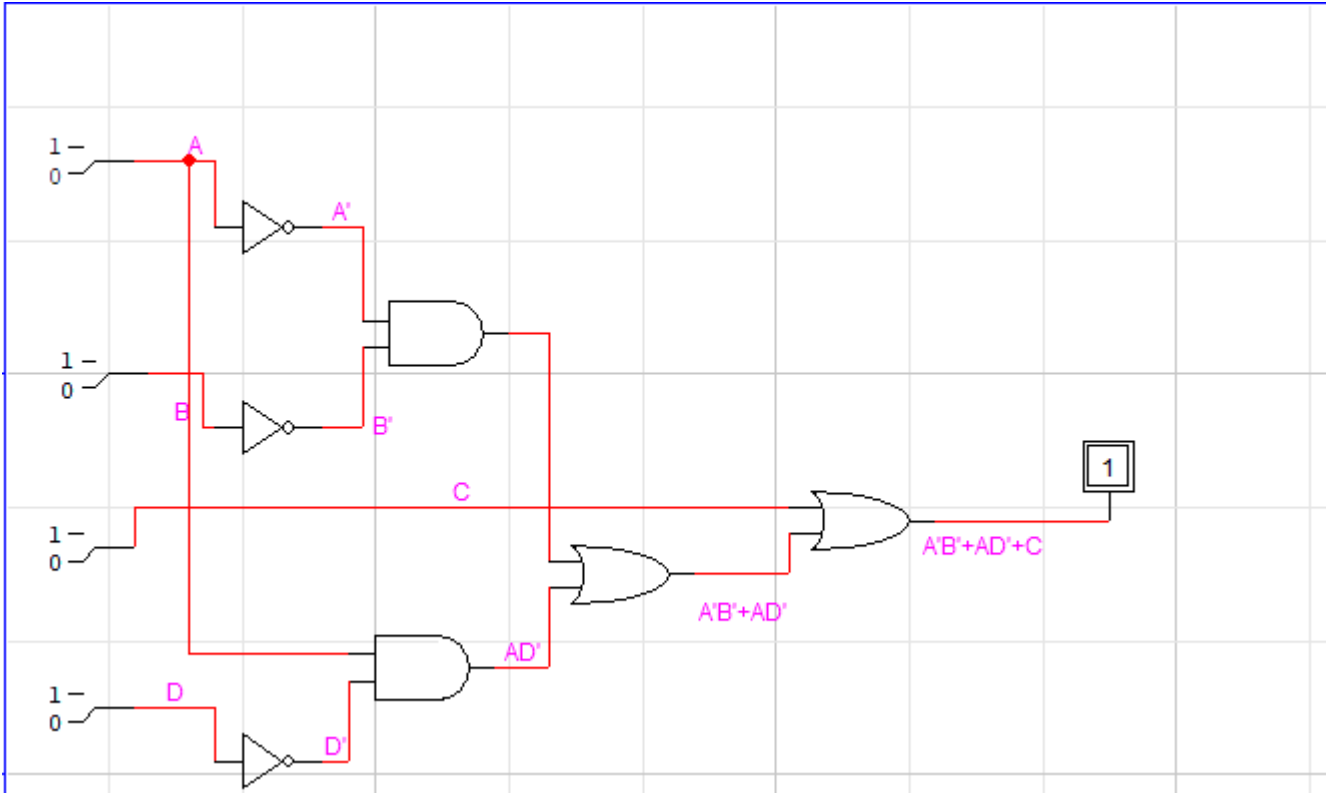Question:01

Truth Table:

A	B	C	D	C'	BC'	A+BC'	A'	A'C'	D+A'C'	(A+BC')(D+A'C')	(A+BC')(D+A'C')'	CD	(A+BC')(D+A'C')'+CD
0	0	0	0	1	0	0	1	1	1	0	1	0	1
0	0	0	1	1	0	0	1	1	1	0	1	0	1
0	0	1	0	0	0	0	1	0	0	0	1	0	1
0	0	1	1	0	0	0	1	0	1	0	1	1	1
0	1	0	0	1	1	1	1	1	1	1	0	0	0
0	1	0	1	1	1	1	1	1	1	1	0	0	0
0	1	1	0	0	0	0	1	0	0	0	1	0	1
0	1	1	1	0	0	0	1	0	1	0	1	1	1
1	0	0	0	1	0	1	0	0	0	0	1	0	1
1	0	0	1	1	0	1	0	0	1	1	0	0	0
1	0	1	0	0	0	1	0	0	0	0	1	0	1
1	0	1	1	0	0	1	0	0	1	1	0	1	1
1	1	0	0	1	1	1	0	0	0	0	1	0	1
1	1	0	1	1	1	1	0	0	1	1	0	0	0
1	1	1	0	0	0	1	0	0	0	0	1	0	1
1	1	1	1	0	0	1	0	0	1	1	0	1	1

Question:02

Truth Table:

A	B	C	D	A'	B'	D'	A'B'	AD'	A'B'+AD'	A'B'+AD'+C
0	0	0	0	1	1	1	1	0	1	1
0	0	0	1	1	1	0	1	0	1	1
0	0	1	0	1	1	1	1	0	1	1
0	0	1	1	1	1	0	1	0	1	1
0	1	0	0	1	0	1	0	0	0	0
0	1	0	1	1	0	0	0	0	0	0
0	1	1	0	1	0	1	0	0	0	1
0	1	1	1	1	0	0	0	0	0	1
1	0	0	0	0	1	1	0	1	1	1
1	0	0	1	0	1	0	0	0	0	0
1	0	1	0	0	1	1	0	1	1	1
1	0	1	1	0	1	0	0	0	0	1
1	1	0	0	0	0	1	0	1	1	1
1	1	0	1	0	0	0	0	0	0	0
1	1	1	0	0	0	1	0	1	1	1
1	1	1	1	0	0	0	0	0	0	1