Welcome to my Presentation

Presentation on Digital Logic Design

Presented By:

Name: Tushar Sarkar

Student ID: 18CSE035

Second Year First Semester

Department of CSE,BSMRSTU,

Gopalganj-8100.

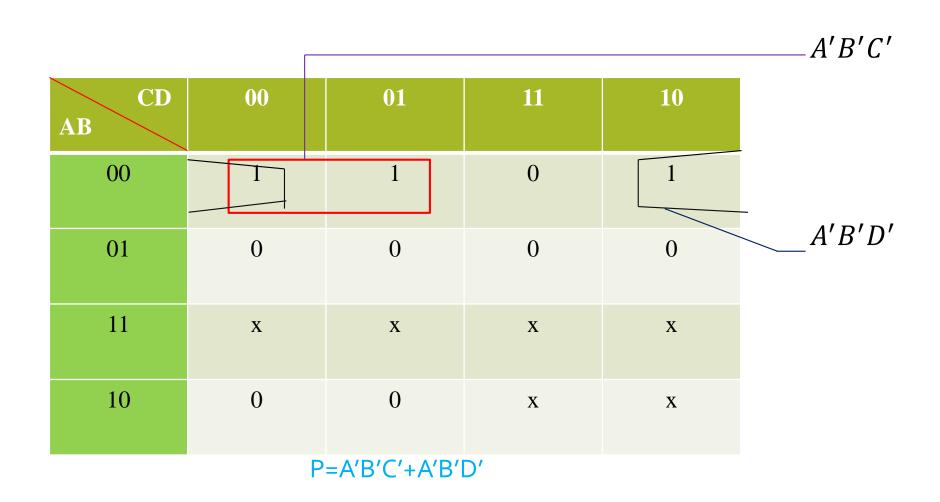
My Question is 1

Design of a combinational circuit that generates the 10's complement of a BCD digit

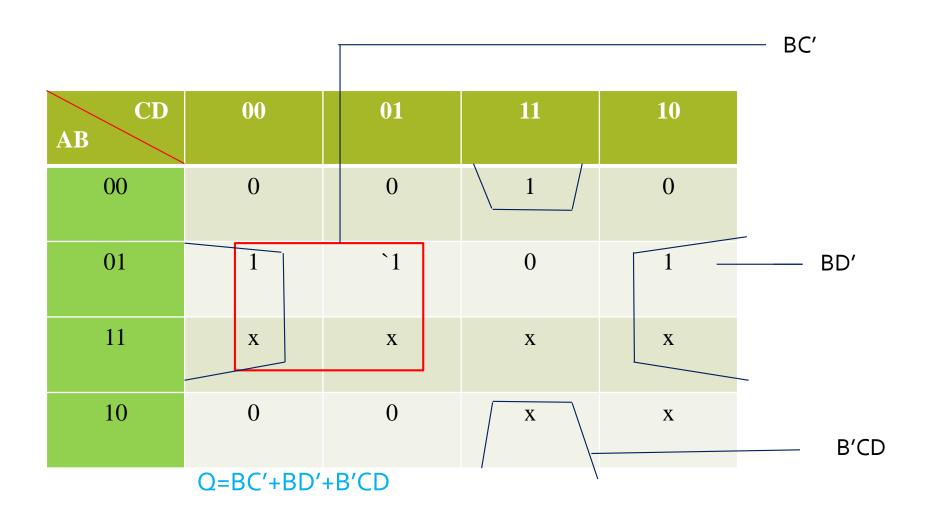
Design of a combinational circuit that generates the 10's complement of a BCD digit

Decimal	BCD	10's Complement PQRS
0	0000	1 0 1 0
1	0001	1001
2	0010	1000
3	0011	0111
4	0100	0110
5	0101	0101
6	0110	0100
7	0111	0011
8	1000	0010
9	1001	0001

K-Map For P



K-Map For Q



K-Map For R

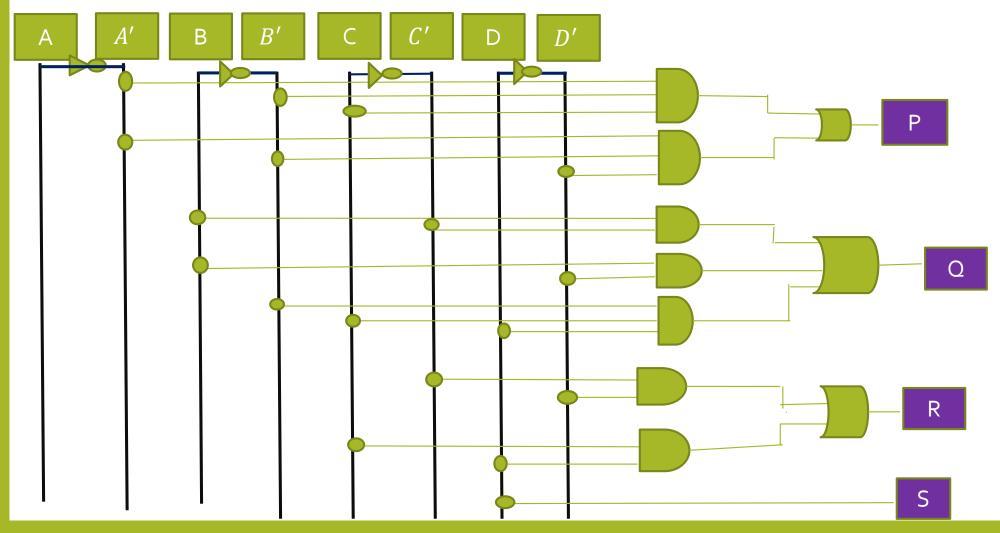
					C'D
AB CD	00	01	11	10	
00	1	0	1	0	
01	1	0	1	0	
11	Х	X	X	X	
10	1	0	X	X	
					C

R=C'D'+CD

K-Map For R

AB CD	00	01	11	10
00	0	1	1	0
01	0	1	1	0
11	X	X	X	X
10	0	1	X	X

Circuit Diagram



Thank You