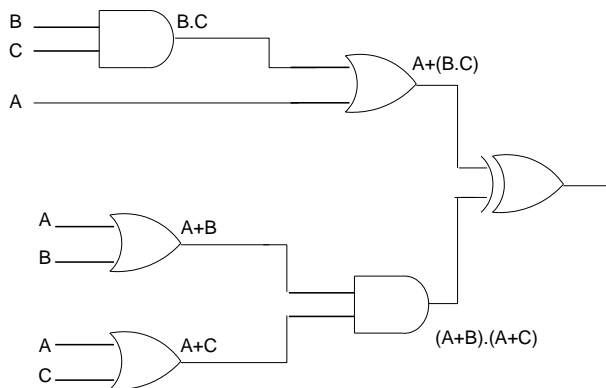




قوانین جبر بول:

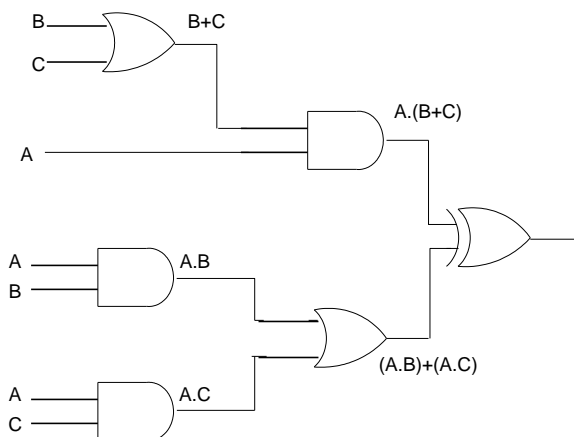
قانون توبع پذیری: $A + (B.C) = (A+B) . (A+C)$ -1 $A . (B+C) = (A.B) + (A.C)$ -2قانون دمورگان: $(A+B) = A.B$ -3 $(A.B) = A+B$ -4

$$A + (B.C) = (A+B) . (A+C)$$

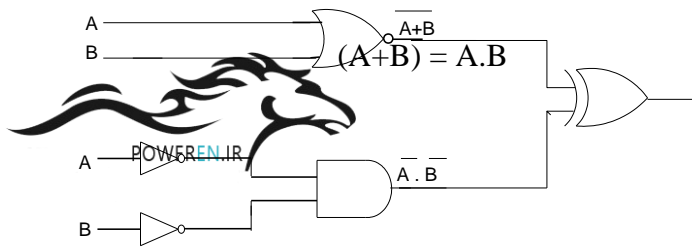


A	B	C	BC	A+(B.C)	A+B	A+C	(A+B).(A+C)
0	0	0	0	0	0	0	0
1	0	0	0	1	1	1	1
0	1	0	0	0	1	0	0
0	0	1	0	0	0	1	0
1	1	0	0	1	1	1	1
1	0	1	0	1	1	1	1
0	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1

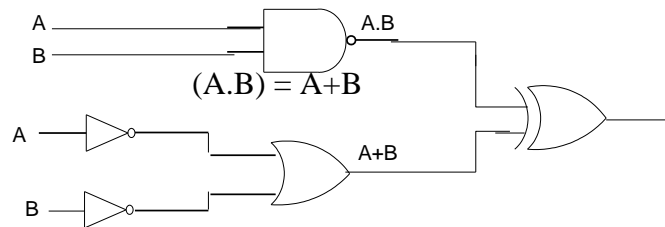
$$A . (B+C) = (A.B) + (A.C)$$



A	B	C	B+C	A.(B+C)	A.B	A.C	(A.B)+(A.C)
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	1	0	1	0	0	0	0
0	0	1	1	0	0	0	0
1	1	0	1	1	1	0	1
1	0	1	1	1	0	1	1
0	1	1	1	0	0	0	0
1	1	1	1	1	1	1	1



A	B	A+B	A.B
0	0	1	1
1	0	0	0
0	1	0	0
1	1	0	0



A	B	A.B	A+B
0	0	1	1
1	0	1	1
0	1	1	1
1	1	0	0

