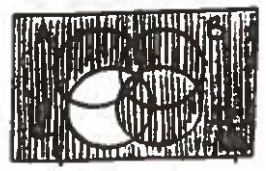
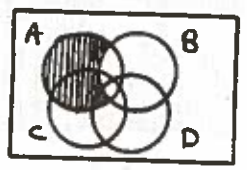
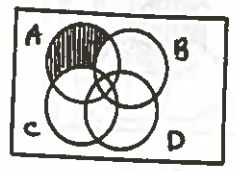
(3)Q=AB'(C'+D)+ABC'+C'D'



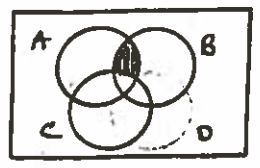
C'+D



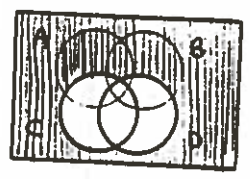
AB'



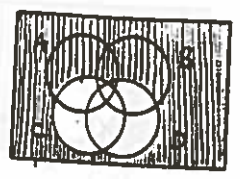
AB'(C'+D)



ABC'

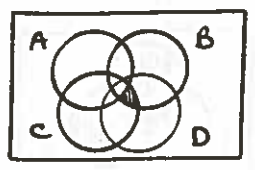


C'D'

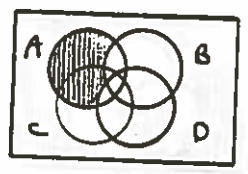


Q

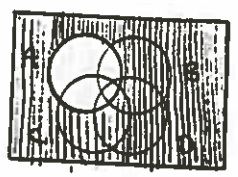
(4)Q=A'BC+AB'D'+A'+B'+CD'



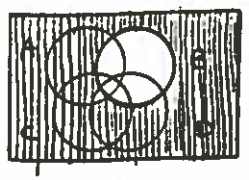
A'BC



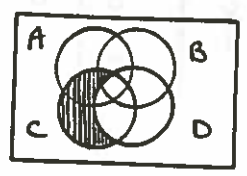
AB'D'



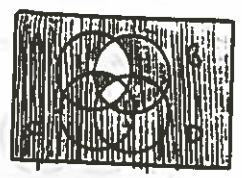
A'



B'

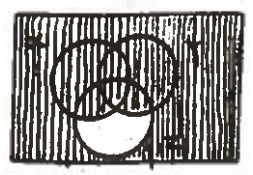


CD'

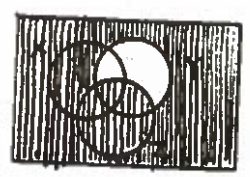


Q

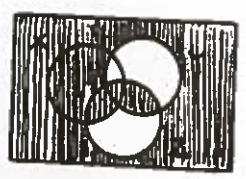
(5)Q=(X+Y+Z')(Y'+Z)



X+Y+Z'



Y'+Z



Q

2.4 (1)LET L=XY'+X'Z+Y'Z R=X'Y+X'Z

X	Y	Z	X'	Y'	XY'	X'Z	Y'Z	L	X'Y	R
0	0	0	1	1	0	0	0	0	0	0
0	0	1	1	1	0	1	1	1	0	1
0	1	0	1	0	0	0	0	0	1	1
0	1	1	1	0	0	1	0	1	1	1
1	0	0	0	1	1	0	0	1	0	0
1	0	1	0	1	1	0	1	1	0	0
1	1	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0

FALSE

(2)LET L=(B'+C)(B'+D) R=B'+CD

B	C	D	B'	B'+C	B'+D	L	CD	R
0	0	0	1	1	1	1	0	1
0	0	1	1	1	1	1	0	1
0	1	0	1	1	1	1	0	1
0	1	1	1	1	1	1	1	1
1	0	0	0	0	0	0	0	0
1	0	1	0	0	1	0	0	0
1	1	0	0	1	0	0	0	0
1	1	1	0	1	1	1	1	1

TRUE

(3)LET L=A'BC+ABC'+A'BD R=BD'+ABC'

A	B	C	D	A'	C'	D'	A'BC	ABC'	A'BD	L	BD'	R
0	0	0	0	1	1	1	0	0	0	0	0	0
0	0	0	1	1	1	0	0	0	0	0	0	0
0	0	1	0	1	0	1	0	0	0	0	0	0
0	0	1	1	1	0	0	0	0	0	0	0	0
0	1	0	0	1	1	1	0	0	0	0	1	1
0	1	0	1	1	1	0	0	0	1	1	0	0
0	1	1	0	1	0	1	1	0	0	1	1	1
0	1	1	1	1	0	0	1	0	1	1	0	0
1	0	0	0	0	1	1	0	0	0	0	0	0
1	0	0	1	0	1	0	0	0	0	0	0	0
1	0	1	0	0	0	1	0	0	0	0	0	0
1	0	1	1	0	0	0	0	0	0	0	0	0
1	1	0	0	0	1	1	0	1	0	1	1	1
1	1	0	1	0	1	0	0	1	0	1	0	1
1	1	1	0	0	0	1	0	0	0	0	1	1
1	1	1	1	0	0	0	0	0	0	0	0	0

FALSE