

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

A	B	C	D	B'	C'	D'	C'+D	AB'(C'+D)	ABC'	C'D'	Q
0	0	0	0	1	1	1	1	0	0	1	1
0	0	0	1	1	1	0	1	0	0	0	0
0	0	1	0	1	0	1	1	0	0	0	0
0	0	1	1	1	0	0	1	0	0	0	0
0	1	0	0	0	1	1	1	0	0	1	0
0	1	0	1	0	1	0	1	0	0	0	0
0	1	1	0	0	0	1	1	0	0	0	0
0	1	1	1	0	0	0	1	0	0	0	0
1	0	0	0	1	1	1	1	1	0	1	1
1	0	0	1	1	1	0	1	1	0	0	1
1	0	1	0	1	0	1	1	1	0	0	1
1	0	1	1	1	0	0	1	1	0	0	1
1	1	0	0	0	1	1	1	0	1	0	1
1	1	0	1	0	1	0	1	0	1	0	1
1	1	1	0	0	0	1	1	0	0	0	0
1	1	1	1	0	0	0	1	0	0	0	0

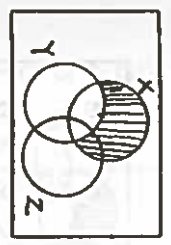
(4) $Q = A'BC + AB'D' + A' + B' + CD'$

A	B	C	D	A'	B'	D'	A'BC	AB'D'	CD'	Q
0	0	0	0	1	1	1	0	0	0	1
0	0	0	1	1	1	0	0	0	0	0
0	0	1	0	1	1	1	0	0	0	0
0	0	1	1	1	1	0	0	0	0	0
0	1	0	0	1	0	1	0	0	0	1
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	0
1	0	0	0	0	1	1	0	0	0	0
1	0	0	1	0	1	0	0	0	0	0
1	0	1	0	0	1	1	0	0	0	0
1	0	1	1	0	1	0	0	0	0	0
1	1	0	0	0	0	1	0	0	0	0
1	1	0	1	0	0	0	0	0	0	0
1	1	1	0	0	0	1	0	0	0	0
1	1	1	1	0	0	0	0	0	0	0

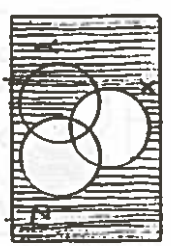
(5) $Q = (X+Y+Z')(Y'+Z)$

X	Y	Z	Y'	Z'	X+Y+Z'	Y'+Z	Q
0	0	0	1	1	1	1	1
0	0	1	1	0	1	0	0
0	1	0	0	1	1	1	0
0	1	1	0	0	1	0	0
1	0	0	1	1	1	1	1
1	0	1	1	0	1	0	0
1	1	0	0	1	1	0	0
1	1	1	0	0	1	0	0

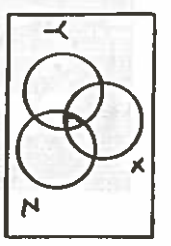
2.3 (1) $Q = XY' + X'Z' + XYZ$



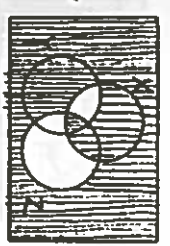
XY'



$X'Z'$



XYZ

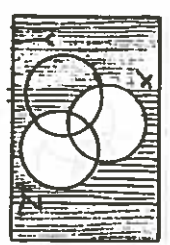


Q

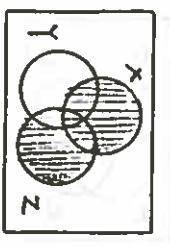
(2) $Q = (X'+Y)(X'+Z')(X+Z)$



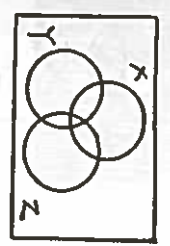
$X'+Y$



$X'+Z'$



$X+Z$



Q