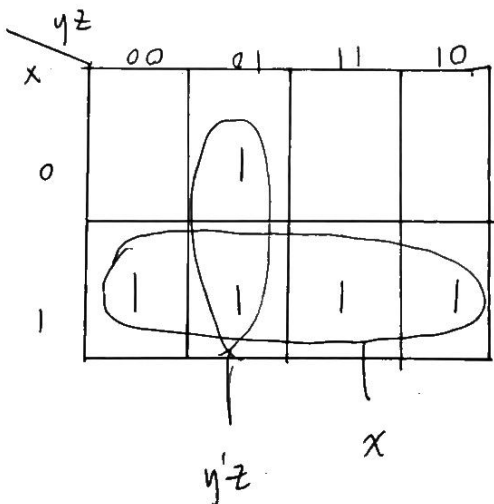


$$2 \quad F(x, y, z) = xy' + y'z + xz + xyz'$$

truth table

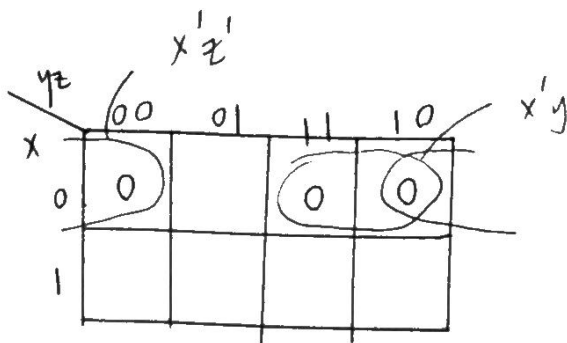
x	y	z	F
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

K map.



2 (a) $F = x + y'z$

(b)



$$F' = x'z' + x'y$$

$$F = (F')' = (x'z' + x'y)'$$

$$= (x + z)(x + y')$$