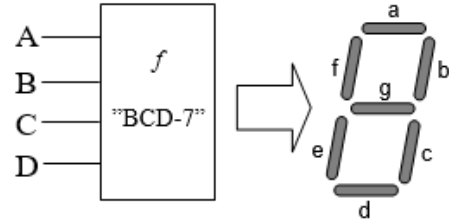


5

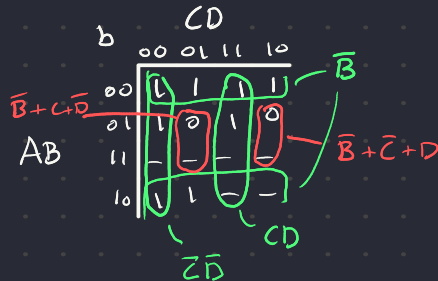
5.1)

decimal cifra	A	B	C	D	a	b	c	d	e	f	g
0	0	0	0	0	1	1	1	1	1	1	0
1	0	0	0	1	0	1	1	0	0	0	0
2	0	0	1	0	1	1	0	1	1	0	1
3	0	0	1	1	1	1	1	1	0	0	1
4	0	1	0	0	0	1	1	0	0	1	1
5	0	1	0	1	1	0	1	1	0	1	1
6	0	1	1	0	0	0	1	1	1	1	1
7	0	1	1	1	1	1	1	0	0	0	0
8	1	0	0	0	1	1	1	1	1	1	1
9	1	0	0	1	1	1	1	0	0	1	1
∅	1	0	1	0	-	-	-	-	-	-	-
∅	1	0	1	1	-	-	-	-	-	-	-
∅	1	1	0	0	-	-	-	-	-	-	-
∅	1	1	0	1	-	-	-	-	-	-	-
∅	1	1	1	0	-	-	-	-	-	-	-
∅	1	1	1	1	-	-	-	-	-	-	-



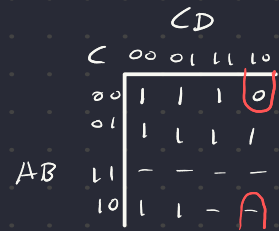
$$a = (A+B+C+\bar{D})(\bar{B}+D)$$

$$a = A+BC+BD+\bar{B}\bar{D}$$

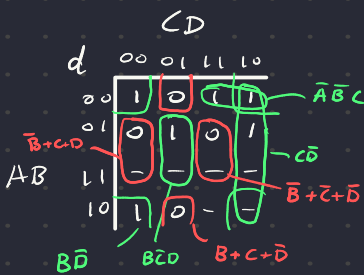


$$b = \bar{B}+C\bar{D}+\bar{C}\bar{D}$$

$$b = (\bar{B}+C+\bar{D})(\bar{B}+\bar{C}+D) = \bar{B}(C+\bar{D})(\bar{C}+D)$$

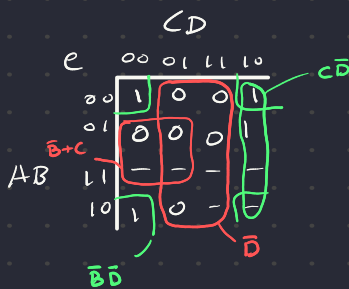


$$c = B+\bar{C}+D$$



$$d = \bar{A}\bar{B}C + B\bar{C}\bar{D} + B\bar{D} + C\bar{D}$$

$$d = (B+C+D)(B+C+\bar{D})(\bar{B}+\bar{C}+\bar{D})$$



$$e = \bar{B}\bar{D} + C\bar{D} = \bar{D}(\bar{B}+C)$$

$$e = \bar{D}(\bar{B}+\bar{C}) = \bar{D}\bar{B}\bar{C}$$

