

3.	A_3	A_2	A_1	A_0	P	(D)
0	0	0	0	0	0	0
1	0	0	0	1	0	0
2	0	0	1	0	1	0
3	0	0	1	1	1	0
4	0	1	0	0	0	0
5	0	1	0	1	1	0
6	0	1	1	0	0	1
7	0	1	1	1	1	0
8	1	0	0	0	0	0
9	1	0	0	1	0	1
10	1	0	1	0	0	0
11	1	0	1	1	1	0
12	1	1	0	0	0	1
13	1	1	0	1	1	0
14	1	1	1	0	0	0
15	1	1	1	1	0	1

For D

$A_2 A_3$		$A_1 A_0$			
		00	01	11	10
$A_2 A_3$	00			1	
	01				1
	11	1		1	
	10		1		

$$D = \bar{A}_3 \bar{A}_2 A_1 A_0 + \bar{A}_3 A_2 A_1 \bar{A}_0 + A_3 \bar{A}_2 \bar{A}_1 A_0 + A_3 A_2 A_1 A_0$$

Q.1) $E = S\bar{A} + H + AE + AL$ (S R)

$E = S\bar{A} + H + AL$

Q.2) input A

A_3A_2	A_1A_0 00	01	11	10
00			1	1
01		1	1	
11		1		
10			1	

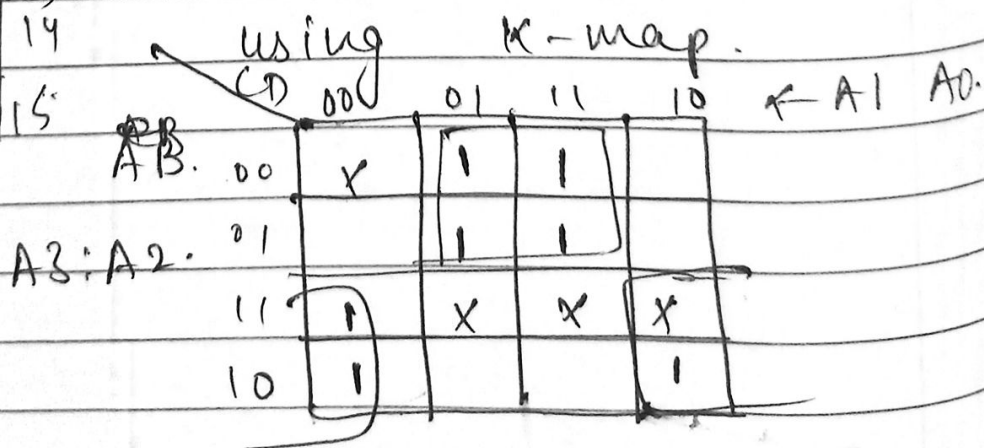
3 2 1 0
0 0 1 1

$P = \bar{A}_1 A_0 A_2 + A_1 A_0 \bar{A}_3 + A_1 \bar{A}_2 \bar{A}_3 + A_1 A_0 \bar{A}_2$

①

② $P=1$

	8	4	2	1		31 days
6.	0	0	0	0	0	
	0	0	0	1	1	→ Jan →
	0	0	1	0	2	- Feb
	0	0	1	1	3	- Mar →
	0	1	0	0	4	- Apr
	0	1	0	1	5	- May →
	0	1	1	0	6	- June
	0	1	1	1	7	- July →
	1	0	0	0	8	- Aug →
	1	0	0	1	9	- Sep
	1	0	1	0	10	- Oct →
	1	0	1	1	11	- Nov.
	1	1	0	0	12	- Dec. →
	1	1	0	1	13	
	1	1	1	0	14	
	1	1	1	1	15	
	A	B	C	D		



$$y = A3 \oplus A0$$

0 0 0 → A
 0 0 1 → B
 0 1 0 → C
 0 1 1 → D
 1 0 0 → E
 1 0 1 → F
 1 1 0
 1 1 1

