```
1, F
```

Z, T

3, T

4. F

5, T

6.送分

7. T

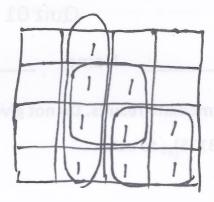
8. F

$$=$$
 1. (a) $(452.4)_8 = (12A.8)_{14}$
(b) $(40.4)_8$

3,
$$F = (ad + b'c + bd')(b+d)$$

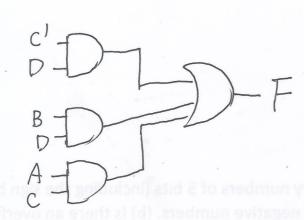
= $abd + bd' + ad + b'cd$

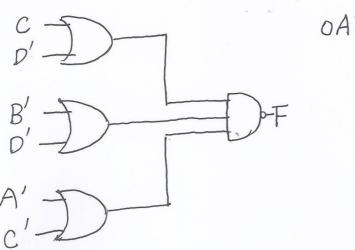
4.
$$\frac{1}{2}$$
 $\frac{1}{2}$ \frac



$$F = C'D + BD + AC$$

= $((C+D')(B'+D')(A'+C'))'$

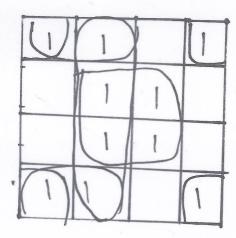




OAI

6.
$$F = T(3,4,6,11,12,14)$$

= $\Sigma(0,1,2,5,7,8,9,10,13,15)$.



(b)
$$F = BD + B'D' + C'D$$
 or $F = BD + B'D' + B'C'$

7.

X	1	X	/
	1		X
	X	1	
X	1	1	

$$F' = D' + A'C$$

$$F = D(A + C')$$

8.
$$\chi(x+y) = \chi \cdot \chi + \chi \cdot y$$
 $P_{4}(a)$

$$= \chi + \chi \cdot y$$
 $T_{1}(b)$

$$= \chi \cdot 1 + \chi \cdot y$$
 $P_{2}(b)$

$$= \chi(1+y)$$
 $P_{4}(a)$

$$= \chi(y+1)$$
 $P_{3}(a)$ (optional)
$$= \chi \cdot 1$$
 $T_{2}(a)$

9.

A	B	C	D	F
D	0	0	0	0
0	0	0	1	0
0	0	J	0	0
0	0	1	1	O
0	1	0	0	0
0	1	0	1	
0	ì	1	0	0
0	1	1	1	
-	0	0	0	0
1	0	0	1	O
i	O	1	0	Ø
l	0	1	1	1
1	1	v	6	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

