K-Map (Don't Care Condition)

 $0 \quad f(A, B, C, D) = \sum_{m} (0, 2, 3, 6, 7, 12, 13, 14)$ $+ \sum_{m} d(1, 4, 11, 15)$

dont care cond"

/ CD.	> ' 0'	c'D	CP	co 2
ADJ	00	01	11	10
A'B' 00	0(1	1 X	31	
A'B 01	4 X	, 0	11	1
APS (1	12 1	13 1	15 X	142 - 3
1	8 0	9	UX	19 0
AB 10		1	1	

10

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7 8 9 10 11 14 15 16 17 18 12 21 22 23 24 25 26 28 29 30 31

2 f(A,B,C,D)= TTM65,8,9,10) TD(1.4,11,15)

S.L.	6	1	3	2
	10	X		
	14 ×	5	7	6
	12	15	15 ×	14
	80	9	II X	10

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Questions

(i) Reduce wing mapping the expression

f = 2m (2, 3, 6, 7, 8, 10, 11, 13, 14)

(2) Reduce the following expression to the simplest possible Pos & Sop forms

f = 2m (6, 9, 13, 18, 19, 25, 27, 29, 31)

+ d (2, 3, 11, 15, 17, 24, 28)