## $f(x_1,...,x_4) = \sum (m(0,4,8,10,11,12) + d(13,15))$

					하이를 가는 안성	
#0+15	Min term	Binary	Lombined	> # of 1s	pairs	13 in ary
		•				
0	0	0000	V	0	(0,4)	0-00
	4	0/00	(/		(0,8)	<b>—</b> 000
	8	1000	V		( (0 ( )	
	<u> </u>		V		(8,10)	10~0
2	0	1016	V		(4,12)	1-00
	\Z	1100	V		( ( , ( L )	
3				2_		
		(01)			(11/13)	( ( 0 -
4	3	1101		3	(1, ( ) - )	1 - ( 1
	15		<u> </u>		(11, 15)	~
	15	<i>[ [ ] [ ]</i>			(13,15)	11-1

# of 1s pairs —) # of 1s Quad Bihary combined 13 in ary (0,4) 0-00 V (0,8) -000 V(0.4.8.12) --00(12/11) 101-4 (11,13) 110-4(11,15) 1-11 \$ (13,15) 11-14

## $f = \sum (0,1,2,3,8,9.10,13,15)$

# of 15 minterm binary combined 
$$\rightarrow$$
 # of 15 pair Binary

0 0 0000  $\vee$  0 0000

1 0 0001  $\vee$  0 (0,1) 0000

1 0 0001  $\vee$  1 (1,3) 0001

8 1000  $\vee$  1 (1,3) 0001

2 3 0011  $\vee$  (2,3) 0010

2 4 (000)  $\vee$  (2,10) -010

(8,9) 1000

3 13 1101  $\vee$  (8,9) 1000

> # of 1S

Quad Binary

(0,1,2,3) 00-- \$

(a,13) 1-01

# of 15

2

Dair

(0,1)

Rinary 000-

: 
$$f = \sum (0,1,2,3,8.9.10,13,15) = P_1 + P_2 + P_3 + P_5$$