

$$F(A,B,C,D)=\Sigma(0,2,3,5,7,8,10,11,12,14,15)$$

Column I					
Group	Minterm	A	B	C	D
0	0	0	0	0	0
1	2	0	0	1	0
	8	1	0	0	0
2	3	0	0	1	1
	5	0	1	0	1
	10	1	0	1	0
	12	1	1	0	0
3	7	0	1	1	1
	11	1	0	1	1
	14	1	1	1	0
4	15	1	1	1	1

Column II					
Minterm	A	B	C	D	
0,2	0	0	_	0	√
0,8	_	0	0	0	√
2,3	0	0	1	_	√
2,10	_	0	1	0	√
8,10	1	0	_	0	√
8,12	1	_	0	0	√
3,7	0	_	1	1	√
3,11	_	0	1	1	√
5,7	0	1	_	1	√
10,11	1	0	1	_	√
10,14	1	_	1	0	√
12,14	1	1	_	0	√
7,15	_	1	1	1	√
11,15	1	_	1	1	√
14,15	1	1	1	_	√

Column III					
Minterm	A	B	C	D	
0,2,8,10	_	0	_	0	
0,8,2,10	_	0	_	0	
2,3,10,11	_	0	1	_	
2,10,3,11	_	0	1	_	
8,10,12,14	1	_	_	0	
8,12,10,14	1	_	_	0	
3,7,11,15	_	_	1	1	
3,11,7,15	_	_	1	1	
10,11,14,15	1	_	1	_	
10,14,11,15	1	_	1	_	

	Minterms															
	0	2	3	5	7	8	10	11	12	14	15					
A'BD				x	x											EPI
B'D'	x	x				x	x									EPI
B'C		x	x				x	x								
AD'						x	x			x						EPI
CD			x	x				x						x		
AC								x	x				x	x		

$$F(A,B,C,D)=A'BD+B'D'+AD'+CD$$