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Q NOC

$F(A, B, C, D)$

$\Sigma d (10, 11, 12, 13, 14, 15)$

	CD			
AB				
	1	1	1	1
	1		1	
	1	1		

$$\Sigma_m = \bar{A}\bar{C}\bar{D} + \bar{B}\bar{C} + \bar{A}\bar{B} + AB$$

Now for
 Σd

AB \ CD

	0	1	3	2
4		5	7	6
12	1	13	15	14
8		9	10	11

$$\Sigma D = AB + AC$$

$$\Sigma m + \Sigma D = \bar{A}\bar{C}\bar{D} + \bar{B}\bar{C} + \bar{A}\bar{B} + AB + AB + AC$$

$$\bar{A}\bar{C}\bar{D} + \bar{B}\bar{C} + \bar{A}\bar{B} + AB + AC$$