

- 1 Minimize $F(x,y,z)=\Sigma(0,1,3,4,5)$ as a minimum sum of products.

	00	01	11	10
0				
1				

- 2 Minimize $F(A,B,C,D)=\Sigma(0,1,2,4,6,8,9,10)$ as a minimum sum of products.

		AB			
		00	01	11	10
CD	00	0	4	12	8
	01	1	5	13	9
	11	3	7	15	11
	10	2	6	14	10

- 3 Minimize $F(f, g, e, d)=\Sigma(0,3,4,6,13,15)+d(1,2,7,9,11)$ as a minimum sum of products.

	00	01	11	10
00				
01				
11				
10				

4 Minimize $F(A,B,C)=\Sigma(0,4,5,7)$ as a minimum product of sums.

	B C		
	00	01	11
0			
1			

5 Minimize $F(B,A,D,C)=\Pi(0,2,3,8,10,11,12,13)$ as a minimum product of sums.

	00	01	11	10
00				
01				
11				
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6 Minimize $F(d, c, b, a)= \Pi (2,3,5,6,8,11,13)+d(0,1,9)$ as a minimum product of sums.

	00	01	11	10
00				
01				
11				
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