

Ertuğrul KANTAR

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Ertuğrul

$$\textcircled{1} F = \underbrace{A'BC}_{m_3} + \underbrace{AB'C}_{m_5} + \underbrace{ABC}_{m_7} + \underbrace{ABC}_{m_6}$$

$$F = \sum_m (3, 5, 6, 7)$$

X	Y	Z	Index
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	0	0	4
1	0	1	5
1	1	0	6
1	1	1	7

$$\textcircled{2} F = \underbrace{A'BC'}_{m_2} + \underbrace{AB'C'}_{m_4} + \underbrace{ABC}_{m_7} + \underbrace{A'BC}_{m_3}$$

$$\sum_m (2, 3, 4, 7) \rightarrow F = \prod_M (0, 1, 5, 6)$$

* Genişletmelerde
 $A = AB + AB'$
 kullanıldı, adım
 olarak göstermedim.

$$\textcircled{3} F = A'BC' + A'BC' + AB'C' + AB'C' + ABC$$

$$\textcircled{4} F = \underbrace{A'BC}_{m_3} + \underbrace{A'BC}_{m_1} + \underbrace{ABC}_{m_7} + \underbrace{ABC}_{m_6} + \underbrace{AB'C}_{m_5}$$

$$\sum_m (1, 3, 5, 6, 7) \rightarrow F = \prod_M (0, 2, 4) = (A+B+C) \cdot (A+B'+C) \cdot (A'+B+C)$$

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

$$(1, 3, 5, 7) \text{ den } \rightarrow A'D$$

$$(4, 6, 12, 14) \text{ den } \rightarrow BD'$$

$$(1, 3, 9, 11) \text{ den } \rightarrow B'D$$

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