



② a-)  $(\overline{A'BC}) + (\overline{AC'}) + (\overline{A'B}) = (\overline{A+B'+C'}) + (\overline{A'+C}) + (\overline{A+B'})$

~~✗~~

b-)  $[(\overline{A'BC}).(\overline{AC'}).(\overline{A'B})]'$

③ a-)  $XZ + XY + YZ + XYZ = \underbrace{XYZ}_{m_7} + \underbrace{XY'Z}_{m_5} + \underbrace{XYZ'}_{m_6} + \underbrace{X'YZ}_{m_3}$

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

b-)  $X' + \underbrace{XY'Z'}_{m_4} \rightarrow X' \text{ i gerekenler } \left\{ \begin{array}{l} 1-) X'Y'Z' = m_0 \\ 2-) X'Y'Z = m_1 \\ 3-) X'YZ' = m_2 \end{array} \right. \rightarrow$

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

X	Y	Z	$m_i$
0	0	0	$\bar{x}\bar{y}\bar{z}$
0	0	1	$\bar{x}\bar{y}z$
0	1	0	$\bar{x}y\bar{z}$
0	1	1	$\bar{x}yz$
1	0	0	$x\bar{y}\bar{z}$
1	0	1	$x\bar{y}z$
1	1	0	$xy\bar{z}$
1	1	1	$xyz$