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SUM of PRODUCTS

Map

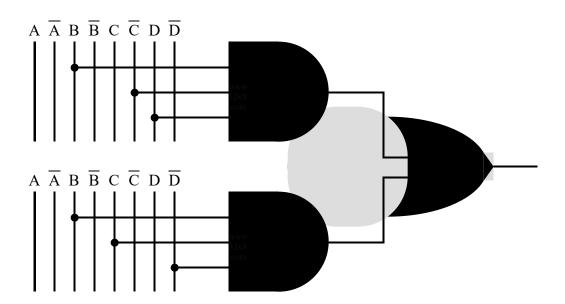
	$\overline{\mathrm{C.D}}$	$\overline{\mathrm{C}}.\mathrm{D}$	C.D	$C.\overline{D}$
$\overline{A}.\overline{B}$	0	0	0	0
\overline{A} .B	0	1	0	1
A.B	0	1	0	1
$A.\overline{B}$	0	0	0	0

Map Layout

	$\overline{\mathrm{C.D}}$	$\overline{\mathrm{C}}.\mathrm{D}$	C.D	$C.\overline{D}$
$\overline{A}.\overline{B}$	0	1	3	2
$\overline{\mathbf{A}}.\mathbf{B}$	4	5	7	6
A.B	12	13	15	14
$A.\overline{B}$	8	9	11	10

Groups

$$y = BC'D + BCD'$$



Truth Table

	A	В	C	D	Y
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	0

1/22/23, 4:48 PM _____A-B-C-D_____m_5-6-13-14_____option-0____898788963571855597793

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

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