PRODUCT of SUMS

Map

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

Map Layout

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

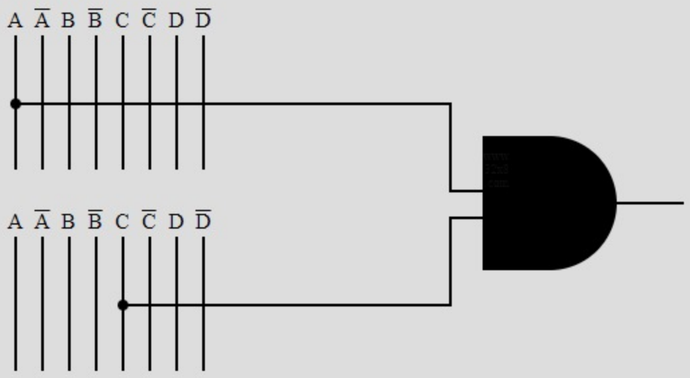
Groups

(0,1,2,3,4,5,6,7)	$\overline{A}$
(0,1,4,5,8,9,12,13)	$\overline{C}$

$\overline{y} = \overline{A} + \overline{C}$

$\overline{\overline{y}} = \overline{\overline{A} + \overline{C}}$

y = (A) (C)



Truth Table

	A	B	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	x
4	0	1	0	0	0
5	0	1	0	1	x
6	0	1	1	0	x
7	0	1	1	1	x
8	1	0	0	0	0
9	1	0	0	1	x
10	1	0	1	0	1
11	1	0	1	1	x
12	1	1	0	0	0
13	1	1	0	1	x
14	1	1	1	0	x
15	1	1	1	1	x