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SUM of PRODUCTS

Map

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

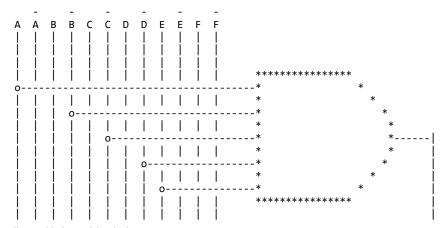
Map Layout

	$\overline{D}.\overline{E}.\overline{F}$	$\overline{D}.\overline{E}.F$	$\overline{D}.E.F$	$\overline{\mathrm{D}}.\mathrm{E}.\overline{\mathrm{F}}$	$D.\overline{E}.\overline{F}$	$D.\overline{E}.F$	D.E.F	$D.E.\overline{F}$
$\overline{A}.\overline{B}.\overline{C}$	0	1	3	2	4	5	7	6
$\overline{A}.\overline{B}.C$	8	9	11	10	12	13	15	14
\overline{A} .B.C	24	25	27	26	28	29	31	30
$\overline{A}.B.\overline{C}$	16	17	19	18	20	21	23	22
A.B.C	32	33	35	34	36	37	39	38
$A.\overline{B}.C$	40	41	43	42	44	45	47	46
A.B.C	56	57	59	58	60	61	63	62
$A.B.\overline{C}$	48	49	51	50	52	53	55	54

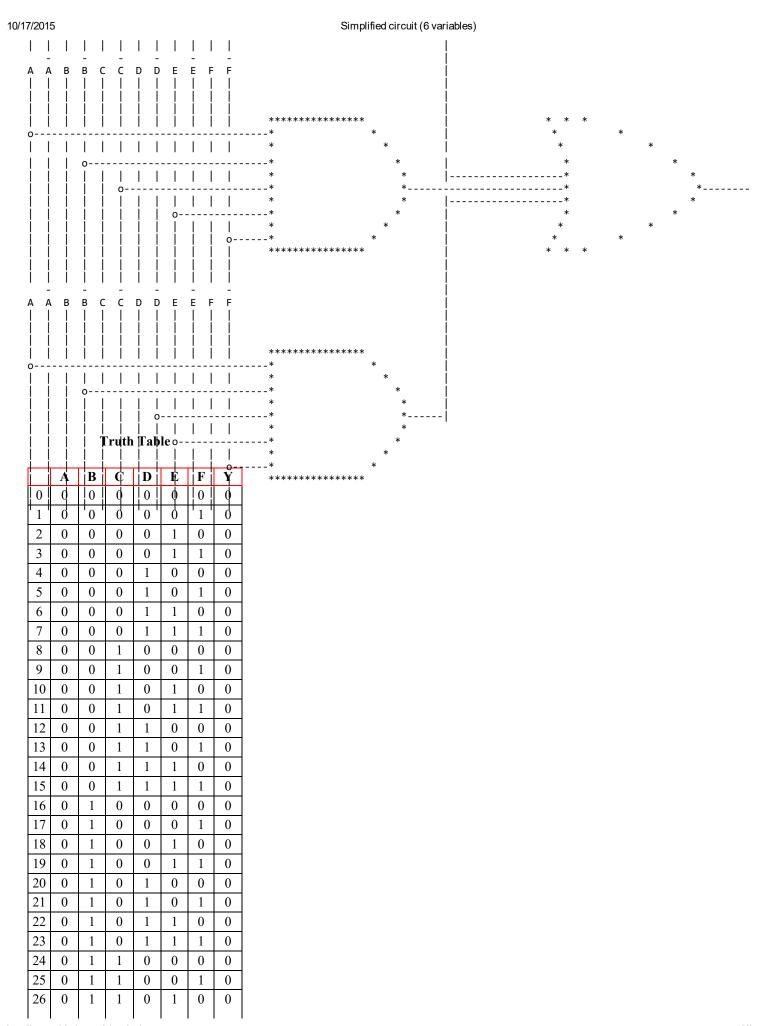
Groups

(34,35)	$A.\overline{B}.\overline{C}.\overline{D}.E$
(34,38)	$A.\overline{B}.\overline{C}.E.\overline{F}$
(34,42)	$A.\overline{B}.\overline{D}.E.\overline{F}$

$$y = A.\overline{B}.\overline{C}.\overline{D}.E + A.\overline{B}.\overline{C}.E.\overline{F} + A.\overline{B}.\overline{D}.E.\overline{F}$$



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27 0 1 1 0 1 1 0 28 0 1 1 1 0 0 0 29 0 1 1 1 0 1 0 30 0 1 1 1 1 0 0 31 0 1 1 1 1 1 0 0 32 1 0 0 0 0 0 0 0 34 1 0 0 0 1 0 1 34 1 0 0 0 1 1 0 34 1 0 0 0 1 1 0 37 1 0 0 1 1 0 1 38 1 0 0 1 1 0 1 40 1 0 1 1 <		l	ı	ı	1	1	1	1
29 0 1 1 1 0 1 0 1 0 0 0 1 0 0 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 1 1 0	27	0	1	1	0	1	1	0
30 0 1 1 1 1 0 0 31 0 1 1 1 1 1 0 0 32 1 0 0 0 0 0 0 0 33 1 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 1 1 3 1 0 0 0 1 1 0 1 1 1 1 0 1 1 1 0 1 1 1 0 0 0 0 0 0 1 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 1 <td>28</td> <td>0</td> <td>1</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td>	28	0	1	1	1	0	0	0
31 0 1 1 1 1 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 0 1 1 0 0 0 1 1 0	29	0	1	1	1	0	1	0
32 1 0 0 0 0 0 0 33 1 0 0 0 0 1 0 34 1 0 0 0 1 0 1 35 1 0 0 0 1 1 1 36 1 0 0 1 0 0 0 37 1 0 0 1 0 1 0 38 1 0 0 1 1 0 1 40 1 0 1 1 1 0 1 40 1 0 1 0 1 0 1 40 1 0 1 0 0 0 0 41 1 0 1 0 1 0 1 42 1 0 1 0 1 0 <	30	0	1	1	1	1	0	0
33 1 0 0 0 0 1 0 34 1 0 0 0 1 0 1 35 1 0 0 0 1 1 1 36 1 0 0 1 0 0 0 37 1 0 0 1 0 1 0 38 1 0 0 1 1 0 1 40 1 0 1 0 1 0 1 40 1 0 1 0 0 0 0 41 1 0 1 0 0 0 0 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 <	31	0	1	1	1	1	1	0
34 1 0 0 0 1 0 1 35 1 0 0 0 1 1 1 36 1 0 0 1 0 0 0 37 1 0 0 1 0 1 0 38 1 0 0 1 1 0 1 39 1 0 0 1 1 0 1 40 1 0 1 0 0 0 0 41 1 0 1 0 0 0 0 41 1 0 1 0 1 0 1 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 1 <	32	1	0	0	0	0	0	0
35 1 0 0 0 1 1 1 36 1 0 0 1 0 0 0 37 1 0 0 1 0 1 0 38 1 0 0 1 1 0 1 39 1 0 0 1 1 1 0 40 1 0 1 0 0 0 0 41 1 0 1 0 0 0 0 41 1 0 1 0 1 0 1 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 0 45 1 0 1 1 1 0 <	33	1	0	0	0	0	1	0
36 1 0 0 1 0 0 37 1 0 0 1 0 1 0 38 1 0 0 1 1 0 1 39 1 0 0 1 1 1 0 1 40 1 0 1 0 <td>34</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td>	34	1	0	0	0	1	0	1
37 1 0 0 1 0 1 0 38 1 0 0 1 1 0 1 39 1 0 0 1 1 1 0 40 1 0 1 0 0 0 0 41 1 0 1 0 0 0 0 41 1 0 1 0 1 0 1 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 48 1 1 0 0 0 0 <	35	1	0	0	0	1	1	1
38 1 0 0 1 1 0 1 39 1 0 0 1 1 1 0 40 1 0 1 0 0 0 0 41 1 0 1 0 0 1 0 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 1 44 1 0 1 1 0 0 0 0 45 1 0 1 1 0 0 0 0 45 1 0 1 1 0	36	1	0	0	1	0	0	0
39 1 0 0 1 1 1 0 40 1 0 1 0 0 0 0 41 1 0 1 0 0 1 0 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 47 1 0 1 1 1 0 0 48 1 1 0 0 0 0 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 0 <	37	1	0	0	1	0	1	0
40 1 0 1 0 0 0 41 1 0 1 0 0 1 0 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 47 1 0 1 1 1 0 0 48 1 1 0 0 0 0 0 49 1 1 0 0 0 0 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 0 0	38	1	0	0	1	1	0	1
41 1 0 1 0 0 1 0 42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 47 1 0 1 1 1 0 0 48 1 1 0 0 0 0 0 49 1 1 0 0 0 0 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 0 0 52 1 1 0 1 0 0 <	39	1	0	0	1	1	1	0
42 1 0 1 0 1 0 1 43 1 0 1 0 1 1 0 0 44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 0 46 1 0 1 1 1 0 <td>40</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	40	1	0	1	0	0	0	0
43 1 0 1 0 1 1 0 44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 47 1 0 1 1 1 1 0 0 48 1 1 0 0 0 0 0 0 0 0 50 1 1 0 0 0 1 0<	41	1	0	1	0	0	1	0
44 1 0 1 1 0 0 0 45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 47 1 0 1 1 1 1 0 0 48 1 1 0 0 0 0 0 0 0 49 1 1 0 </td <td>42</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td>	42	1	0	1	0	1	0	1
45 1 0 1 1 0 1 0 46 1 0 1 1 1 0 0 47 1 0 1 1 1 1 1 0 48 1 1 0 0 0 0 0 0 49 1 1 0 0 0 1 0 0 50 1 1 0 0 1 0 </td <td>43</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td>	43	1	0	1	0	1	1	0
46 1 0 1 1 1 0 0 47 1 0 1 1 1 1 0 0 48 1 1 0 0 0 0 0 0 49 1 1 0 0 0 1 0 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 1 0 0 52 1 1 0 1 0 0 0 0 0 53 1 1 0 1 0 0 0 0 0 0 0 0 0 </td <td>44</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td>	44	1	0	1	1	0	0	0
47 1 0 1 1 1 1 0 48 1 1 0 0 0 0 0 49 1 1 0 0 0 1 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 1 0 52 1 1 0 1 0 0 0 53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 1 <	45	1	0	1	1	0	1	0
48 1 1 0 0 0 0 0 49 1 1 0 0 0 1 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 1 0 52 1 1 0 1 0 0 0 53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 1 0 0 <	46	1	0	1	1	1	0	0
49 1 1 0 0 0 1 0 50 1 1 0 0 1 0 0 51 1 1 0 0 1 1 0 0 52 1 1 0 1 0 0 0 53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 0 0 0 60 1 1 1 1 0 <	47	1	0	1	1	1	1	0
50 1 1 0 0 1 0 0 51 1 1 0 0 1 1 0 52 1 1 0 1 0 0 0 53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 1 0 0 0 60 1 1 1 1 0 0 0	48	1	1	0	0	0	0	0
51 1 1 0 0 1 1 0 52 1 1 0 1 0 0 0 53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	49	1	1	0	0	0	1	0
52 1 1 0 1 0 0 0 53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	50	1	1	0	0	1	0	0
53 1 1 0 1 0 1 0 54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	51	1	1	0	0	1	1	0
54 1 1 0 1 1 0 0 55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0	52	1	1	0	1	0	0	0
55 1 1 0 1 1 1 0 56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	53	1	1	0	1	0	1	0
56 1 1 1 0 0 0 0 57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0	54	1	1	0	1	1	0	0
57 1 1 1 0 0 1 0 58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	55	1	1	0	1	1	1	0
58 1 1 1 0 1 0 0 59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	56	1	1	1	0	0	0	0
59 1 1 1 0 1 1 0 60 1 1 1 1 0 0 0	57	1	1	1	0	0	1	0
60 1 1 1 1 0 0 0	58	1	1	1	0	1	0	0
	59	1	1	1	0	1	1	0
61 1 1 1 1 0 1 0	60	1	1	1	1	0	0	0
	61	1	1	1	1	0	1	0
62 1 1 1 1 1 0 0	62	1	1	1	1	1	0	0
63 1 1 1 1 1 1 0	63	1	1	1	1	1	1	0

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