

$$\begin{array}{c} a \\ \hline f | \underline{g} | b \\ e | \hline d \end{array}$$

	A	B	C	D	a	b	c	d	e	f	g
0	0	0	0	0	1	1	1	1	1	1	0
1	0	0	0	1	0	1	1	0	0	0	0
2	0	0	1	0	1	1	0	1	1	0	1
3	0	0	1	1	1	1	1	1	0	0	1
4	0	1	0	0	0	1	1	0	0	1	1
5	0	1	0	1	1	0	1	1	0	1	0
6	0	1	1	0	1	0	1	1	1	1	1
7	0	1	1	1	1	1	1	0	0	0	0
8	1	0	0	0	1	1	1	1	1	1	1
9	1	0	0	1	1	1	1	1	0	1	1
	1	0	1	0	0	0	0	0	0	0	0
	1	0	1	1	0	0	0	0	0	0	0
	1	1	0	0	0	0	0	0	0	0	0
	1	1	0	1	0	0	0	0	0	0	0
	1	1	1	0	0	0	0	0	0	0	0
	1	1	1	1	0	0	0	0	0	0	0

ab

cd

	00	01	11	10
00	1 ₀	0 ₄	0 ₁₂	1 ₈
01	0 ₁	1 ₅	0 ₁₃	1 ₉
11	1 ₃	1 ₇	0 ₅	0 ₁₁
10	1 ₂	1 ₆	0 ₁₄	0 ₁₀

C ab

ab
 cd

	00	01	11	10
cd	1 ₀	1 ₄	0 ₁₂	1 ₈
01	1 ₁	1 ₅	0 ₁₄	1 ₉
11	1 ₃	1 ₇	0 ₁₃	0 ₁₁
10	0 ₂	1 ₆	0 ₁₀	0 ₄

$$|a|c| + |a|b + |b|c$$

$$E_{ab}$$

cd

	00	01	11	10
00	1 ₀	0 ₄	0 ₁₂	1 ₈
01	0 ₁	0 ₅	0 ₁₃	0 ₉
11	0 ₃	0 ₇	0 ₁₅	0 ₁₁
10	1 ₂	1 ₆	0 ₁₄	0 ₁₀

$$!aC!d + !b!c!d$$

$$G \quad \overline{ab}$$

	00	01	11	10
00	00	14	0	18
01	01	05	0	19
11	13	07	0	0
10	12	16	0	0

$$!a!b!c + !a!b!c + !a!b!c + !c!c!d$$

ab

cd

	00	01	11	10
00	0	1	0	1
01	1	0	0	1
11	1	1	0	0
10	1	0	0	0

$$\frac{!a!b}{!a!b!c!d} + \frac{!a!c!d}{!a!b!c!d} + \frac{!a!c!d}{!a!b!c!d} + \frac{!b!c}{!a!b!c!d}$$

D ab

cd	00	01	11	10
00	10	04	02	15
01	01	15	012	19
11	13	07	015	011
10	12	16	014	00

$$a!b! + a!bc + acd + ab!cd + b!cd$$

 F_{ab}

cd	d0	d1	d2	d3
00	1	2	4	6
01	0	1	5	7
11	0	3	7	0
10	0	2	1	0

$$!a!b!d+!b!c!d+!ab!c+a!b!c$$

abab! ab! abba! ac! ab

$$OC \rightarrow a!b!c$$

1011

1900

late

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