Input								Outp	ut X(DR						
XOR	0_x	1_x	2_x	3_x	4_x	5_x	6_x	7_x	8_x	9_x	A_x	B_x	C_x	D_x	E_x	F_x
0_x 1_x	$ \begin{array}{c} 64\\ 0 \end{array} $	0 0	0 0	0	0 0	$\begin{array}{c} 0 \\ 2 \end{array}$	$0\\6$	$\begin{array}{c} 0 \\ 4 \end{array}$	0 0	$\begin{array}{c} 0 \\ 14 \end{array}$	0	0	$\begin{array}{c} 0 \\ 8 \end{array}$	$\begin{array}{c} 0 \\ 4 \end{array}$	$\begin{array}{c} 0 \\ 6 \end{array}$	$\begin{array}{c} 0\\ 2\end{array}$
$\frac{1}{2}x^{x}$	Ő	0	0	$\begin{array}{c} 4\\ 2\\ 8\end{array}$	0	4	6		0	0		6 6	10^{-0}	10^{4}	$12 \\ 0$	$ \begin{array}{c} 2 \\ 6 \\ 4 \end{array} $
$\begin{array}{c} \bar{2}_x^x\\ 3_x\\ 4\end{array}$	4	8	4	$\frac{8}{0}$	4	$\frac{4}{6}$	$^{6}_{4}$	$\frac{4}{2}$	4	$\begin{array}{c} 0 \\ 2 \\ 6 \end{array}$	2	4	6	10 2 6	0	4
$\begin{array}{c} 4x\\5x\end{array}$	$\begin{array}{c} 0\\ 2\end{array}$	0 0	$\begin{array}{c} 0 \\ 4 \end{array}$	8	$\begin{array}{c} 0 \\ 2 \end{array}$	$\frac{6}{4}$	$\begin{array}{c} 0 \\ 6 \end{array}$	$^{14}_{6}$	$\begin{array}{c} 0\\ 2\end{array}$	0	10	$\frac{4}{4}$	$\frac{10}{2}$	6 4	$\begin{array}{c} 4\\10\end{array}$	$\frac{4}{2}$
$\begin{array}{c} 6_x \\ 6_x \\ 7_x \end{array}$	$^{2}_{0}$	12	6	4	6	4	6	$^{6}_{2}$	$^{2}_{2}$	10	$\frac{8}{2}$	8	$^{2}_{2}$	0	0	
×	$^{4}_{0}$	6 0		$\frac{4}{4}$	$^{2}_{0}$	$\frac{4}{4}$	$\frac{4}{0}$	$^{2}_{8}$		$\begin{array}{c} 4\\ 10\end{array}$	$\begin{array}{c}2\\16\\0\end{array}$	$^{4}_{6}$	$\frac{4}{6}$		0 6	$\begin{array}{c} 6 \\ 4 \\ 4 \end{array}$
9	14	$\begin{array}{c} 0 \\ 2 \end{array}$	4	10	$\begin{array}{c} 0 \\ 2 \end{array}$	8	2	6	2	4	10	0	${6 \atop 2}$	2	$\frac{6}{2}$	4
A_{r}	0 6	$\begin{array}{c} 6 \\ 2 \\ 0 \end{array}$	$\frac{6}{2}$	$\begin{array}{c} 2 \\ 0 \end{array}$	$\begin{array}{c} 10 \\ 2 \end{array}$	$\frac{4}{4}$	$\begin{array}{c} 10 \\ 6 \end{array}$	$\frac{2}{2}$	$\begin{array}{c} 6 \\ 10 \end{array}$	$\frac{2}{2}$	$\begin{array}{c} 2 \\ 0 \end{array}$	$\frac{4}{6}$	$\frac{2}{6}$	$\frac{2}{4}$	$\frac{4}{4}$	2
$egin{array}{c} B_x^x \ C_x \end{array}$	0	õ	0	4	0	14	0	10	0	6	$\frac{1}{2}$	4	4			6
D_{r}	6 0	$\overset{\circ}{2}_{6}$	$ \begin{array}{c} 6\\ 12 \end{array} $	$\begin{array}{c} 4\\ 2\\ 8\end{array}$	$\begin{array}{c} 10 \\ 0 \end{array}$	$2 \\ 4$	${0 \atop 2}$	$\frac{4}{0}$	$\begin{array}{c} 0 \\ 8 \end{array}$	$\begin{array}{c}10\\2\\4\\2\\2\\4\\4\end{array}$	$\frac{4}{4}$	$\frac{1}{2}$	$\frac{8}{6}$	$egin{array}{c} 8 \\ 2 \\ 2 \end{array}$	$egin{smallmatrix} 6 \\ 2 \\ 0 \end{bmatrix}$	$2 \\ 8 \\ 6 \\ 4 \\ 6 \\ 2 \\ 4 \\ 0 \\ 2 \\ 14$
$\begin{bmatrix} E_x \\ F_x \end{bmatrix}$	Ő	8		0	6	$\frac{4}{6}$	8		4	4	4 8	$\frac{4}{6}$	8	$\tilde{0}$	4	$\frac{0}{2}$
$ \begin{array}{c} 1^{x}\\ 10_{x}\\ 11_{x}\\ 12_{x}\\ 13_{x}\\ 14 \end{array} $	0	0	0	8	0	4	10_{c}	2	0	2	8	10	0	10	6	4
$11x \\ 12x$	6 0	6	$\frac{4}{2}$		$\frac{4}{2}$	$\begin{array}{c} 0 \\ 4 \end{array}$	$\frac{6}{12}$	$\frac{4}{4}$	$\frac{8}{6}$	2 4	$\begin{array}{c} 10 \\ 0 \end{array}$	$^{2}_{4}$	$\frac{2}{4}$	$\frac{4}{6}$	$\begin{array}{c} 0 \\ 2 \end{array}$	$\frac{0}{2}$
13x	4	0	$\frac{1}{2}$	0	8	6	6	0	0	2	0	6	4	8	$\begin{array}{c}2\\2\\2\\10\end{array}$	14
14^x_x 15^x_x	$\begin{array}{c} 0 \\ 6 \end{array}$	$\frac{6}{8}$	$^{6}_{2}$	$^{4}_{0}$	$^{10}_{8}$	$\frac{0}{2}$		$\frac{12}{2}$	${}^{6}_{2}_{6}$	$\frac{2}{2}$	$2 \\ 2 \\ 6$	$\frac{2}{2}$	$\frac{4}{2}$	$\begin{array}{c} 4\\ 14 \end{array}$	$\frac{2}{10}$	$\frac{2}{2}$
16^x_x 17^x_x	0	8	$\overset{\circ}{2}_{6}$	4	${}^{8}_{2}_{4}$	$2 \\ 2 \\ 4$	4	$\begin{array}{c} 12\\2\\2\\4\end{array}$	6	4	6	$\begin{array}{c}2\\2\\2\\4\end{array}$	6	0	6	6
$\frac{17x}{18x}$		$\frac{4}{6}$	$\frac{8}{4}$		10^4	4	0 0	$\frac{4}{2}$	$^{6}_{4}$	$2 \\ 2 \\ 2 \\ 4 \\ 2 \\ 8 \\ 4 \\ 4$	$\begin{array}{c} 4\\ 0\end{array}$	$\overset{4}{0}$	$\frac{4}{4}$	$\frac{2}{8}$	$\begin{array}{c} 4\\ 2\\ 4\end{array}$	2
19	2	4	6	4	4	$\frac{1}{2}$	4	$2 \\ 2 \\ 2 \\ 2$	6	$\overset{\circ}{4}$	6	8	0	6	$\frac{1}{4}$	$\overset{\circ}{2}$
$1A_m$	0 0	$\frac{6}{6}$	$\frac{8}{4}$	$\frac{4}{4}$	2_0	$\frac{4}{12}$	$\frac{2}{6}$	$\frac{2}{4}$	$\frac{8}{2}$	$\frac{2}{2}$	$\frac{2}{2}$	$\frac{6}{4}$	$\frac{2}{4}$	$\frac{4}{2}$	$\begin{array}{c} 4\\10\end{array}$	$\frac{8}{2}$
$ \begin{array}{c} 1B_x \\ 1C_x \\ 1D_x \end{array} $	0	4	6	6	12^{-0}	0	4	0	10^{2}	$2 \\ 2 \\ 2$	$2 \\ 2 \\ 6 \\ 2$	$\frac{4}{2}$	0	$\tilde{0}$	10 10 6	$ \begin{array}{c} 2 \\ 2 \\ 6 \\ 2 \\ 8 \\ 2 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 2 \\ 8 \\ 8 \\ 2 \\ 8 \\ 8 \\ 2 \\ 8 \\ 8 \\ 2 \\ 8 \\ 8 \\ 2 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ $
$1D_x$	0 0	$\frac{6}{4}$	$\frac{2}{8}$	2	$\begin{array}{c} 6 \\ 10 \end{array}$	$\begin{array}{c} 0 \\ 6 \end{array}$	$\frac{4}{6}$	$\begin{array}{c} 16 \\ 0 \end{array}$	$\frac{4}{8}$	$\frac{4}{4}$	$2 \\ 0$	$\begin{array}{c} 0 \\ 2 \end{array}$	$\begin{array}{c} 0 \\ 4 \end{array}$	$\frac{4}{4}$		8
$ \begin{array}{c} 1 D_x \\ 1 E_x \\ 1 F_x \\ 2 0_x \\ 0 1 \end{array} $	4	$\frac{4}{2}$	6	$2 \\ 6 \\ 2 \\ 8 \\ 4$		$\begin{array}{c} 0\\ 2\\ 12\end{array}$	$\begin{array}{c} 0\\ 2\\ 10\end{array}$	4	8	6	10	$\vec{6}$	4	0	0	$\begin{array}{c} 6 \\ 2 \\ 10 \end{array}$
20_x 21_x	0 0	$\begin{array}{c} 0\\ 4\end{array}$	$\begin{array}{c} 0 \\ 6 \end{array}$	2	$egin{array}{c} 2 \\ 0 \\ 2 \\ 2 \end{array}$	$\begin{array}{c} 12 \\ 10 \end{array}$	$\begin{array}{c} 10 \\ 4 \end{array}$	$\frac{4}{2}$	0	$\begin{array}{c} 0 \\ 6 \end{array}$	$\begin{array}{c} 0 \\ 4 \end{array}$		$^{14}_{6}$	$2 \\ 2 \\ 6$	8 0	10
22	4	12	8	4	$\frac{2}{2}$		04	$\tilde{0}$	$2 \\ 2 \\ 4$	8	8	$\vec{6}$	0	$\frac{2}{6}$	0	$\frac{6}{2}$
$\begin{array}{c} 23_x \\ 23_x \\ 24_x \\ 25_x \end{array}$	$\frac{8}{10}$	$\frac{2}{4}$	0 0	$^{2}_{0}$	$\binom{8}{0}$	$\frac{4}{4}$	2_0	$\frac{6}{2}$	$\frac{4}{6}$	8 8	2	$\overset{\circ}{\overset{\circ}{_{10}}}$	$\frac{6}{8}$	$^{4}_{0}$	2	4
$24x \\ 25x$	6		12^{0}	2	$\frac{0}{8}$	$^{4}_{6}$	10^{-0}	$\tilde{0}^2$	0	8	$\begin{array}{c}2\\6\\2\\4\end{array}$	6	õ	0	$\begin{array}{c}2\\2\\2\\6\end{array}$	$\frac{4}{2}$
20r	$\frac{2}{6}$	2	$\begin{array}{c} 4\\ 0\end{array}$	4	2	2	10	14	2	0	4	2	2	4	6	$\begin{array}{c} 4\\ 2\\ 4\\ 6\end{array}$
27^{x}_{x} 28^{x}_{x}	6 8	0 0	8	$\begin{array}{c} \overset{\mathbf{r}}{2}\\ 2\\ 10 \end{array}$	$\frac{6}{4}$	$\frac{4}{12}$	$\frac{2}{2}$	$\begin{array}{c} 4\\ 0\end{array}$	$\frac{4}{2}$	$\frac{4}{6}$	8 2 0 2 8	$\begin{array}{c} 4\\ 0\end{array}$	8 6	$\begin{array}{c} 0 \\ 2 \end{array}$	6 0	10^{-6}
- 29	0	2	4	10	2	8	6	4		10	0	$\frac{2}{6}$	10	0	2	
$\begin{array}{c} 2S_x \\ 2A_x \\ 2B_x \\ 2C_x \end{array}$	$\frac{4}{2}$	$ar{0}{2}$	$\frac{4}{6}$	$\frac{8}{4}$			$\frac{4}{2}$	$\frac{4}{6}$	$\frac{6}{2}$	$\frac{6}{8}$	2 8	6 4	$\frac{2}{4}$	$\frac{2}{4}$	$\frac{1}{8}$	$\begin{array}{c}4\\4\\2\\4\\4\\2\\0\end{array}$
$2C_x^x$	10	$\frac{6}{2}$	$\frac{8}{2}$	6	0	6	4	4	4	2	4	4	0	0		4
$\begin{array}{c} 2O_x \\ 2D_x \\ 2E_x \\ 2F_x \\ 20 \end{array}$	$\frac{2}{2}$	2	2	$\frac{4}{2}$	$\begin{array}{c} 0 \\ 10 \end{array}$	$\begin{array}{c} 0 \\ 4 \end{array}$	${0 \atop 2}$	$^{2}_{0}$	$\frac{8}{2}$	$\frac{4}{2}$	4	$\frac{6}{2}$	$10 \\ 8$	$^{2}_{8}$	$14 \\ 10$	$\frac{4}{2}$
$2F_x^x$	12	4	6	8	2	6	2	8	0	$\frac{2}{4}$	$\begin{array}{c} 6 \\ 0 \end{array}$	$\frac{2}{2}$	0	8	2	õ
$30^{"}_x$ 31_x	0 0	$\begin{array}{c} 4 \\ 10 \end{array}$	$0 \\ 2$	$\frac{2}{0}$	$\frac{4}{6}$	$\frac{4}{2}$	$\frac{8}{10}$	6	$^{10}_{6}$		$2 \\ 2 \\ 8$	$\begin{array}{c} 12 \\ 0 \end{array}$	0	0	0	6 8 0
32	8	4	$\overset{\circ}{\overset{\circ}{_{6}}}$	0	6	4	4	$^{2}_{8}$	4	6	8	0	$\frac{6}{2}$	${6 \atop 2 \atop 2}$	2	0
33x 34x	$^{2}_{0}$	$\frac{1}{2}$		$\begin{array}{c} 10 \\ 4 \end{array}$	2	0 0	$\begin{array}{c} 0 \\ 4 \end{array}$	$^{6}_{4}$	$^{4}_{4}$	$\frac{4}{0}$	$^{12}_{4}$	$\frac{8}{6}$	$\frac{4}{4}$	$\frac{2}{2}$	$\begin{array}{c} 4\\ 2\\ 2\\ 4\\ 0\end{array}$	0
35~	0	12^{12}	4	6	$\frac{6}{2}$	4	4	0	10	0	0	8	0	$\overline{2} \\ 8$	ů	6
$36^{"}_{x}$ $37^{"}_{x}$	8 6	$\begin{array}{c}12\\12\\2\\2\\8\end{array}$	$\begin{array}{c} 4\\ 2\\ 8\end{array}$	${0 \atop 2}$	$\frac{4}{6}$	$\begin{array}{c} 0 \\ 6 \end{array}$	$\frac{4}{4}$	$^{2}_{8}$	$\begin{array}{c} 0 \\ 2 \end{array}$	$egin{array}{c} 8 \\ 2 \\ 0 \end{array}$	$\frac{4}{6}$	$egin{array}{c} 8 \\ 2 \\ 2 \\ 2 \\ 4 \end{array}$	$\frac{6}{2}$	$16 \\ 2 \\ 0$	$\frac{2}{4}$	$\begin{array}{c}4\\6\\2\\8\\10\end{array}$
38_r	0	∡ 8	∠ 8	10	6	2	2	0	4	$\vec{0}$	4	$\frac{2}{2}$	4	$\overset{2}{0}$	4	10°
39	0	2_0	$\begin{array}{c} 0 \\ 2 \end{array}$	$\begin{array}{c} 0 \\ 8 \end{array}$	8	$\begin{array}{c} 0 \\ 2 \end{array}$	$\begin{array}{c} 10 \\ 2 \end{array}$	$\frac{4}{2}$	10	0	$\frac{8}{2}$	$^{4}_{0}$	$\frac{4}{4}$	$\begin{array}{c} 4\\10\end{array}$	$\begin{array}{c} 4\\10\end{array}$	$\frac{6}{2}$
$3A_x$ $3B_x$	$\frac{4}{16}$	4	4	2	$\frac{4}{8}$	2	$\frac{2}{2}$	2 6	$\frac{4}{4}$	$\frac{8}{4}$	4	$\frac{0}{2}$	$^{4}_{0}$	$\frac{10}{2}$	2	$\frac{2}{2}$
$3C_{m}$	0	2	6	2	8	4	6	0	10	2	2	4	4	10	4	
$3D_x$ $3E_x$ $3F_x$	$\begin{array}{c} 0 \\ 4 \end{array}$	$ \begin{array}{c} 16\\ 4 \end{array} $	$\begin{array}{c} 10 \\ 0 \end{array}$	$\overline{2}$ 10	$\frac{4}{2}$	$^{2}_{4}$	$\frac{4}{2}$	$^{2}_{14}$	$\frac{8}{4}$	$\begin{array}{c} 0\\ 2\end{array}$	$\begin{array}{c} 0 \\ 6 \end{array}$	$\frac{8}{6}$	0 0		$\frac{2}{6}$	0 0
$3\tilde{F}_x$	4	Ō	ŏ	2	$\begin{array}{c} 2 \\ 0 \end{array}$	8	$\tilde{2}$	4	0	$\frac{1}{2}$	4	4	4	14	10	$\check{6}$

Table 28.	The pairs	XOR	$\operatorname{distribution}$	table	of S2.
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c} E_x & F_x \\ \hline 0 & 0 \\ 6 & 10 \end{array}$
1 x 0 0 2 0 4 2 12 0 14 0 4 8 2	
$\begin{bmatrix} \bar{2}_x^* \\ 0 & 0 & 0 & 2 & 0 & 2 & 0 & 8 & 0 & 4 & 12 & 10 & 4 & 6 \end{bmatrix}$	$\begin{array}{ccc} 6 & 10 \\ 8 & 8 \\ 2 & 2 \end{array}$
$ \begin{bmatrix} 2x \\ 2x \\ 3x \end{bmatrix} 0 \begin{array}{ccccccccccccccccccccccccccccccccccc$	2 2
$ \begin{bmatrix} 4x \\ 5x \end{bmatrix} \begin{bmatrix} 0 & 0 & 0 & 4 & 0 & 2 & 4 & 2 & 0 & 12 & 8 & 4 & 6 & 8 \\ 5x & 6 & 2 & 4 & 8 & 6 & 10 & 6 & 2 & 2 & 8 & 2 & 0 & 2 & 0 \\ \end{bmatrix} $	$\begin{array}{ccc} 10 & 4 \\ 4 & 2 \end{array}$
$ \begin{bmatrix} 5^{x}_{x} \\ 6^{x}_{x} \end{bmatrix} \begin{bmatrix} 6 & 2 & 4 & 8 & 6 & 10 & 6 & 2 & 2 & 8 & 2 & 0 & 2 & 0 \\ 6^{x}_{x} \end{bmatrix} \begin{bmatrix} 0 & 10 & 6 & 6 & 10 & 0 & 4 & 12 & 2 & 4 & 0 & 0 & 6 & 4 \end{bmatrix} $	$\begin{array}{ccc} 4 & 2 \\ 0 & 0 \end{array}$
$\begin{bmatrix} 7_{r} \\ 2 \end{bmatrix} = \begin{bmatrix} 2 \\ 0 \end{bmatrix} = \begin{bmatrix} 4 \\ 4 \end{bmatrix} = $	4 6
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	2 $\tilde{2}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	14 0 0 2 2
$ \begin{vmatrix} A_x \\ B_x \\ C_x \\ D_x \end{vmatrix} \begin{pmatrix} 0 & 10 & 6 & 0 & 14 & 6 & 4 & 0 & 4 & 6 & 6 & 0 & 4 & 0 \\ 0 & 0 & 0 & 0 & 2 & 2 & 4 & 0 & 4 & 2 & 6 & 0 & 2 & 8 \\ 0 & 0 & 0 & 0 & 8 & 0 & 12 & 12 & 4 & 0 & 8 & 0 & 4 & 2 & 10 \\ 0 & D_x \\ E_x \\ 0 & 4 & 4 & 2 & 4 & 2 & 4 & 2 & 4 & 10 & 4 & 4 & 4 & 4 & 4 \\ \end{vmatrix} $	$\begin{array}{ccc} 2 & 2 \\ 4 & 2 \end{array}$
$ \begin{bmatrix} \overline{E}_x^x & 0 & 4 & 4 & 2 & 4 & 2 & 4 & 4 & 10 & 4 & 4 & 4 & 4 & 4 \\ F_x & 4 & 6 & 4 & 6 & 2 & 2 & 4 & 8 & 6 & 2 & 6 & 2 & 0 & 6 \\ F_x & 4 & 6 & 4 & 6 & 2 & 2 & 4 & 8 & 6 & 2 & 6 & 2 & 0 & 6 \\ \hline \end{bmatrix} $	$ \begin{array}{ccc} 2 & 8 \\ 2 & 4 \end{array} $
$ \begin{bmatrix} D_x^{*} \\ E_x \end{bmatrix} \begin{pmatrix} 8 & 2 & 8 & 0 & 0 & 4 & 2 & 0 & 2 & 8 & 14 & 2 & 6 & 2 \\ E_x & 0 & 4 & 4 & 2 & 4 & 2 & 4 & 4 & 10 & 4 & 4 & 4 & 4 & 4 \\ F_x & 4 & 6 & 4 & 6 & 2 & 2 & 4 & 8 & 6 & 2 & 6 & 2 & 0 & 6 \\ 10_x & 0 & 0 & 0 & 4 & 0 & 12 & 4 & 8 & 0 & 4 & 2 & 6 & 2 & 14 \\ \end{bmatrix} $	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ccc} 2 & 2\\ 14 & 0 \end{array} $
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
$ \begin{vmatrix} 13x \\ 14x \end{vmatrix} \begin{vmatrix} 4 & 4 & 12 & 0 & 2 & 2 & 2 & 10 & 2 & 2 & 2 & 4 & 4 \\ 14x \end{vmatrix} \begin{vmatrix} 0 & 6 & 4 & 4 & 6 & 4 & 6 & 2 & 8 & 6 & 6 & 2 & 2 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0$	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	8 2
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ccc} 4 & 4 \\ 2 & 0 \end{array}$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ccc} 2 & 0 \\ 6 & 6 \\ 0 & 2 \end{array} $
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ccc} 0 & 2 \\ 2 & 4 \end{array}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 6 & 6 \\ 0 & 2 \\ 2 & 4 \\ 8 & 2 \\ 2 & 0 \end{array}$
$1C_x$ 0 6 8 8 4 2 8 0 12 0 10 0 4 0	$\begin{array}{ccc} 2 & 0 \\ 0 & 14 \end{array}$
$1 1 E_{\pi} 1 0 4 8 2 4 6 0 4 10 0 2 6 4 8$	4 2
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{12}{2}$ $\frac{2}{0}$
$\begin{bmatrix} 22^{2}_{r} \\ 12 \\ 6 \\ 4 \\ 4 \\ 2 \\ 4 \\ 10 \\ 2 \\ 0 \\ 4 \\ 4 \\ 2 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$\begin{array}{ccc} \tilde{0} & 2 \\ 8 & 8 \end{array}$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
$\begin{vmatrix} 25_{r} \\ 6 \\ 0 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 8 \\ 8 \\ 2 \\ 2 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	10^{-4} 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0 6
$ \begin{vmatrix} 27_x^2 \\ 28_x \end{vmatrix} \begin{pmatrix} 0 & 2 & 4 & 16 & 8 & 6 & 6 & 6 & 0 & 2 & 4 & 4 & 0 & 2 \\ 28_x & 6 & 2 & 10 & 0 & 6 & 4 & 0 & 4 & 4 & 2 & 4 & 8 & 2 & 2 \end{vmatrix} $	$ \begin{array}{ccc} 2 & 2 \\ 8 & 2 \end{array} $
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ccc} \overline{8} & \overline{2} \\ 4 & 2 \end{array}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
	$\frac{1}{6}$ 0
$ \begin{vmatrix} 30_x^{\circ} \\ 31_x \\ 2 \\ 32_x \end{vmatrix} \begin{pmatrix} 0 & 10 & 8 & 6 & 2 & 0 & 4 & 2 & 10 & 4 & 4 & 6 & 2 & 0 \\ 31_x & 2 & 6 & 2 & 0 & 4 & 2 & 8 & 8 & 2 & 2 & 2 & 0 & 2 & 12 \\ 32_x & 2 & 0 & 4 & 8 & 2 & 8 & 4 & 4 & 8 & 4 & 2 & 8 & 6 & 2 \end{vmatrix} $	6 6
$ \begin{vmatrix} 31_x \\ 32_x \\ 33_x \end{vmatrix} \begin{pmatrix} 2 & 6 & 2 & 0 & 4 & 2 & 8 & 8 & 2 & 2 & 2 & 0 & 2 & 12 \\ 3 & 32_x \\ 33_x \end{vmatrix} \begin{pmatrix} 2 & 0 & 4 & 8 & 2 & 8 & 4 & 4 & 8 & 4 & 2 & 8 & 6 & 2 \\ 3 & 33_x \end{vmatrix} \begin{pmatrix} 4 & 4 & 6 & 8 & 6 & 6 & 0 & 2 & 2 & 2 & 6 & 4 & 12 & 0 \\ \end{vmatrix} $	$egin{array}{ccc} 0&2\\ 0&2 \end{array}$
$\begin{vmatrix} 34_x \\ 0 \\ 6 \\ 2 \\ 2 \\ 16 \\ 2 \\ 2 \\ 2 \\ 12 \\ 2 \\ 4 \\ 0 \\ 4 \\ 2 \\ 2 \\ 2 \\ 12 \\ 2 \\ 4 \\ 0 \\ 4 \\ 2 \\ 2 \\ 2 \\ 1 \\ 2 \\ 2 \\ 1 \\ 2 \\ 2 \\ 1 \\ 2 \\ 2$	0 8
	$ \begin{array}{ccc} 2 & 6 \\ 2 & 8 \\ 6 & 2 \end{array} $
$ \begin{vmatrix} 36_x^{\circ} \\ 37_x \\ 4 \\ 8 \\ 2 \\ 0 \\ 8 \\ 12 \\ 0 \\ 2 \\ 2 \\ 6 \\ 6 \\ 2 \\ 10 \\ 2 \\ 2 \\ 0 \\ 2 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 2 \\ 0 \\ 8 \\ 2 \\ 0 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \tilde{6} $ $ \frac{3}{2} $
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{vmatrix} 3B_x \\ 2 \\ 2 \\ 6 \\ 0 \\ 0 \\ 10 \\ 4 \\ 8 \\ 4 \\ 2 \\ 4 \\ 8 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$\tilde{0}$ $\bar{6}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccc} 4 & 10 \\ 2 & 0 \end{array}$
$\begin{vmatrix} 3E_x \end{vmatrix} 8 6 4 4 2 10 2 0 2 2 4 2 4 2$	$\begin{array}{ccc} 2 & 0 \\ 10 & 2 \end{array}$
$3F_x$ 2 6 4 0 0 10 8 2 2 8 6 4 6 2	0 4

Table 29.	The pairs	XOR	distribution	table	of S3.
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