

xcelium>

xcelium> run

=====							
A	B	Cin	Mode	Exact Sum	Approx Sum	Error	Error %
=====							
0000	0000	0	00	0	0	0	0.00%
0000	0000	0	01	0	0	0	0.00%
0000	0000	0	10	0	0	0	0.00%
0000	0000	0	11	0	0	0	0.00%
0000	0000	1	00	1	1	0	0.00%
0000	0000	1	01	1	1	0	0.00%
0000	0000	1	10	1	0	1	100.00%
0000	0000	1	11	1	0	1	100.00%
0000	0001	0	00	1	1	0	0.00%
0000	0001	0	01	1	1	0	0.00%
0000	0001	0	10	1	1	0	0.00%
0000	0001	0	11	1	1	0	0.00%
0000	0001	1	00	2	2	0	0.00%
0000	0001	1	01	2	2	0	0.00%
0000	0001	1	10	2	1	1	50.00%
0000	0001	1	11	2	1	1	50.00%
0000	0010	0	00	2	2	0	0.00%
0000	0010	0	01	2	2	0	0.00%
0000	0010	0	10	2	2	0	0.00%
0000	0010	0	11	2	2	0	0.00%
0000	0010	1	00	3	3	0	0.00%
0000	0010	1	01	3	3	0	0.00%
0000	0010	1	10	3	2	1	33.33%
0000	0010	1	11	3	2	1	33.33%
0000	0011	0	00	3	3	0	0.00%
0000	0011	0	01	3	3	0	0.00%
0000	0011	0	10	3	3	0	0.00%
0000	0011	0	11	3	3	0	0.00%
0000	0011	1	00	4	4	0	0.00%
0000	0011	1	01	4	0	4	100.00%
0000	0011	1	10	4	3	1	25.00%
0000	0011	1	11	4	3	1	25.00%
0000	0100	0	00	4	4	0	0.00%
0000	0100	0	01	4	4	0	0.00%
0000	0100	0	10	4	4	0	0.00%
0000	0100	0	11	4	4	0	0.00%
0000	0100	1	00	5	5	0	0.00%
0000	0100	1	01	5	5	0	0.00%
0000	0100	1	10	5	4	1	20.00%

0000 0100	1		11		5		4		1		20.00%
0000 0101	0		00		5		5		0		0.00%
0000 0101	0		01		5		5		0		0.00%
0000 0101	0		10		5		5		0		0.00%
0000 0101	0		11		5		5		0		0.00%
0000 0101	1		00		6		6		0		0.00%
0000 0101	1		01		6		6		0		0.00%
0000 0101	1		10		6		5		1		16.67%
0000 0101	1		11		6		5		1		16.67%
0000 0110	0		00		6		6		0		0.00%
0000 0110	0		01		6		6		0		0.00%
0000 0110	0		10		6		6		0		0.00%
0000 0110	0		11		6		6		0		0.00%
0000 0110	1		00		7		7		0		0.00%
0000 0110	1		01		7		7		0		0.00%
0000 0110	1		10		7		6		1		14.29%
0000 0110	1		11		7		6		1		14.29%
0000 0111	0		00		7		7		0		0.00%
0000 0111	0		01		7		7		0		0.00%
0000 0111	0		10		7		7		0		0.00%
0000 0111	0		11		7		7		0		0.00%
0000 0111	1		00		8		8		0		0.00%
0000 0111	1		01		8		4		4		50.00%
0000 0111	1		10		8		7		1		12.50%
0000 0111	1		11		8		7		1		12.50%
0000 1000	0		00		8		8		0		0.00%
0000 1000	0		01		8		8		0		0.00%
0000 1000	0		10		8		8		0		0.00%
0000 1000	0		11		8		8		0		0.00%
0000 1000	1		00		9		9		0		0.00%
0000 1000	1		01		9		9		0		0.00%
0000 1000	1		10		9		8		1		11.11%
0000 1000	1		11		9		8		1		11.11%
0000 1001	0		00		9		9		0		0.00%
0000 1001	0		01		9		9		0		0.00%
0000 1001	0		10		9		9		0		0.00%
0000 1001	0		11		9		9		0		0.00%
0000 1001	1		00		10		10		0		0.00%
0000 1001	1		01		10		10		0		0.00%
0000 1001	1		10		10		9		1		10.00%
0000 1001	1		11		10		9		1		10.00%
0000 1010	0		00		10		10		0		0.00%
0000 1010	0		01		10		10		0		0.00%
0000 1010	0		10		10		10		0		0.00%
0000 1010	0		11		10		10		0		0.00%
0000 1010	1		00		11		11		0		0.00%

0000 1010	1		01		11		11		0		0.00%
0000 1010	1		10		11		10		1		9.09%
0000 1010	1		11		11		10		1		9.09%
0000 1011	0		00		11		11		0		0.00%
0000 1011	0		01		11		11		0		0.00%
0000 1011	0		10		11		11		0		0.00%
0000 1011	0		11		11		11		0		0.00%
0000 1011	1		00		12		12		0		0.00%
0000 1011	1		01		12		8		4		33.33%
0000 1011	1		10		12		11		1		8.33%
0000 1011	1		11		12		11		1		8.33%
0000 1100	0		00		12		12		0		0.00%
0000 1100	0		01		12		12		0		0.00%
0000 1100	0		10		12		12		0		0.00%
0000 1100	0		11		12		12		0		0.00%
0000 1100	1		00		13		13		0		0.00%
0000 1100	1		01		13		13		0		0.00%
0000 1100	1		10		13		12		1		7.69%
0000 1100	1		11		13		12		1		7.69%
0000 1101	0		00		13		13		0		0.00%
0000 1101	0		01		13		13		0		0.00%
0000 1101	0		10		13		13		0		0.00%
0000 1101	0		11		13		13		0		0.00%
0000 1101	1		00		14		14		0		0.00%
0000 1101	1		01		14		14		0		0.00%
0000 1101	1		10		14		13		1		7.14%
0000 1101	1		11		14		13		1		7.14%
0000 1110	0		00		14		14		0		0.00%
0000 1110	0		01		14		14		0		0.00%
0000 1110	0		10		14		14		0		0.00%
0000 1110	0		11		14		14		0		0.00%
0000 1110	1		00		15		15		0		0.00%
0000 1110	1		01		15		15		0		0.00%
0000 1110	1		10		15		14		1		6.67%
0000 1110	1		11		15		14		1		6.67%
0000 1111	0		00		15		15		0		0.00%
0000 1111	0		01		15		15		0		0.00%
0000 1111	0		10		15		15		0		0.00%
0000 1111	0		11		15		15		0		0.00%
0000 1111	1		00		16		16		0		0.00%
0000 1111	1		01		16		12		4		25.00%
0000 1111	1		10		16		15		1		6.25%
0000 1111	1		11		16		15		1		6.25%
0001 0000	0		00		1		1		0		0.00%
0001 0000	0		01		1		1		0		0.00%
0001 0000	0		10		1		1		0		0.00%

0001 0000	0 11	1	1	0	0.00%
0001 0000	1 00	2	2	0	0.00%
0001 0000	1 01	2	2	0	0.00%
0001 0000	1 10	2	1	1	50.00%
0001 0000	1 11	2	1	1	50.00%
0001 0001	0 00	2	2	0	0.00%
0001 0001	0 01	2	2	0	0.00%
0001 0001	0 10	2	1	1	50.00%
0001 0001	0 11	2	1	1	50.00%
0001 0001	1 00	3	3	0	0.00%
0001 0001	1 01	3	3	0	0.00%
0001 0001	1 10	3	1	2	66.67%
0001 0001	1 11	3	1	2	66.67%
0001 0010	0 00	3	3	0	0.00%
0001 0010	0 01	3	3	0	0.00%
0001 0010	0 10	3	3	0	0.00%
0001 0010	0 11	3	3	0	0.00%
0001 0010	1 00	4	4	0	0.00%
0001 0010	1 01	4	0	4	100.00%
0001 0010	1 10	4	3	1	25.00%
0001 0010	1 11	4	3	1	25.00%
0001 0011	0 00	4	4	0	0.00%
0001 0011	0 01	4	0	4	100.00%
0001 0011	0 10	4	3	1	25.00%
0001 0011	0 11	4	3	1	25.00%
0001 0011	1 00	5	5	0	0.00%
0001 0011	1 01	5	1	4	80.00%
0001 0011	1 10	5	3	2	40.00%
0001 0011	1 11	5	3	2	40.00%
0001 0100	0 00	5	5	0	0.00%
0001 0100	0 01	5	5	0	0.00%
0001 0100	0 10	5	5	0	0.00%
0001 0100	0 11	5	5	0	0.00%
0001 0100	1 00	6	6	0	0.00%
0001 0100	1 01	6	6	0	0.00%
0001 0100	1 10	6	5	1	16.67%
0001 0100	1 11	6	5	1	16.67%
0001 0101	0 00	6	6	0	0.00%
0001 0101	0 01	6	6	0	0.00%
0001 0101	0 10	6	5	1	16.67%
0001 0101	0 11	6	5	1	16.67%
0001 0101	1 00	7	7	0	0.00%
0001 0101	1 01	7	7	0	0.00%
0001 0101	1 10	7	5	2	28.57%
0001 0101	1 11	7	5	2	28.57%
0001 0110	0 00	7	7	0	0.00%

0001 0110	0 01	7	7	0	0.00%
0001 0110	0 10	7	7	0	0.00%
0001 0110	0 11	7	7	0	0.00%
0001 0110	1 00	8	8	0	0.00%
0001 0110	1 01	8	4	4	50.00%
0001 0110	1 10	8	7	1	12.50%
0001 0110	1 11	8	7	1	12.50%
0001 0111	0 00	8	8	0	0.00%
0001 0111	0 01	8	4	4	50.00%
0001 0111	0 10	8	7	1	12.50%
0001 0111	0 11	8	7	1	12.50%
0001 0111	1 00	9	9	0	0.00%
0001 0111	1 01	9	5	4	44.44%
0001 0111	1 10	9	7	2	22.22%
0001 0111	1 11	9	7	2	22.22%
0001 1000	0 00	9	9	0	0.00%
0001 1000	0 01	9	9	0	0.00%
0001 1000	0 10	9	9	0	0.00%
0001 1000	0 11	9	9	0	0.00%
0001 1000	1 00	10	10	0	0.00%
0001 1000	1 01	10	10	0	0.00%
0001 1000	1 10	10	9	1	10.00%
0001 1000	1 11	10	9	1	10.00%
0001 1001	0 00	10	10	0	0.00%
0001 1001	0 01	10	10	0	0.00%
0001 1001	0 10	10	9	1	10.00%
0001 1001	0 11	10	9	1	10.00%
0001 1001	1 00	11	11	0	0.00%
0001 1001	1 01	11	11	0	0.00%
0001 1001	1 10	11	9	2	18.18%
0001 1001	1 11	11	9	2	18.18%
0001 1010	0 00	11	11	0	0.00%
0001 1010	0 01	11	11	0	0.00%
0001 1010	0 10	11	11	0	0.00%
0001 1010	0 11	11	11	0	0.00%
0001 1010	1 00	12	12	0	0.00%
0001 1010	1 01	12	8	4	33.33%
0001 1010	1 10	12	11	1	8.33%
0001 1010	1 11	12	11	1	8.33%
0001 1011	0 00	12	12	0	0.00%
0001 1011	0 01	12	8	4	33.33%
0001 1011	0 10	12	11	1	8.33%
0001 1011	0 11	12	11	1	8.33%
0001 1011	1 00	13	13	0	0.00%
0001 1011	1 01	13	9	4	30.77%
0001 1011	1 10	13	11	2	15.38%

0001 1011	1		11		13		11		2		15.38%
0001 1100	0		00		13		13		0		0.00%
0001 1100	0		01		13		13		0		0.00%
0001 1100	0		10		13		13		0		0.00%
0001 1100	0		11		13		13		0		0.00%
0001 1100	1		00		14		14		0		0.00%
0001 1100	1		01		14		14		0		0.00%
0001 1100	1		10		14		13		1		7.14%
0001 1100	1		11		14		13		1		7.14%
0001 1101	0		00		14		14		0		0.00%
0001 1101	0		01		14		14		0		0.00%
0001 1101	0		10		14		13		1		7.14%
0001 1101	0		11		14		13		1		7.14%
0001 1101	1		00		15		15		0		0.00%
0001 1101	1		01		15		15		0		0.00%
0001 1101	1		10		15		13		2		13.33%
0001 1101	1		11		15		13		2		13.33%
0001 1110	0		00		15		15		0		0.00%
0001 1110	0		01		15		15		0		0.00%
0001 1110	0		10		15		15		0		0.00%
0001 1110	0		11		15		15		0		0.00%
0001 1110	1		00		16		16		0		0.00%
0001 1110	1		01		16		12		4		25.00%
0001 1110	1		10		16		15		1		6.25%
0001 1110	1		11		16		15		1		6.25%
0001 1111	0		00		16		16		0		0.00%
0001 1111	0		01		16		12		4		25.00%
0001 1111	0		10		16		15		1		6.25%
0001 1111	0		11		16		15		1		6.25%
0001 1111	1		00		17		17		0		0.00%
0001 1111	1		01		17		13		4		23.53%
0001 1111	1		10		17		15		2		11.76%
0001 1111	1		11		17		15		2		11.76%
0010 0000	0		00		2		2		0		0.00%
0010 0000	0		01		2		2		0		0.00%
0010 0000	0		10		2		2		0		0.00%
0010 0000	0		11		2		2		0		0.00%
0010 0000	1		00		3		3		0		0.00%
0010 0000	1		01		3		3		0		0.00%
0010 0000	1		10		3		2		1		33.33%
0010 0000	1		11		3		2		1		33.33%
0010 0001	0		00		3		3		0		0.00%
0010 0001	0		01		3		3		0		0.00%
0010 0001	0		10		3		3		0		0.00%
0010 0001	0		11		3		3		0		0.00%
0010 0001	1		00		4		4		0		0.00%

0010 0001	1		01		4		0		4		100.00%
0010 0001	1		10		4		3		1		25.00%
0010 0001	1		11		4		3		1		25.00%
0010 0010	0		00		4		4		0		0.00%
0010 0010	0		01		4		0		4		100.00%
0010 0010	0		10		4		4		0		0.00%
0010 0010	0		11		4		4		0		0.00%
0010 0010	1		00		5		5		0		0.00%
0010 0010	1		01		5		1		4		80.00%
0010 0010	1		10		5		4		1		20.00%
0010 0010	1		11		5		4		1		20.00%
0010 0011	0		00		5		5		0		0.00%
0010 0011	0		01		5		1		4		80.00%
0010 0011	0		10		5		5		0		0.00%
0010 0011	0		11		5		5		0		0.00%
0010 0011	1		00		6		6		0		0.00%
0010 0011	1		01		6		2		4		66.67%
0010 0011	1		10		6		5		1		16.67%
0010 0011	1		11		6		5		1		16.67%
0010 0100	0		00		6		6		0		0.00%
0010 0100	0		01		6		6		0		0.00%
0010 0100	0		10		6		6		0		0.00%
0010 0100	0		11		6		6		0		0.00%
0010 0100	1		00		7		7		0		0.00%
0010 0100	1		01		7		7		0		0.00%
0010 0100	1		10		7		6		1		14.29%
0010 0100	1		11		7		6		1		14.29%
0010 0101	0		00		7		7		0		0.00%
0010 0101	0		01		7		7		0		0.00%
0010 0101	0		10		7		7		0		0.00%
0010 0101	0		11		7		7		0		0.00%
0010 0101	1		00		8		8		0		0.00%
0010 0101	1		01		8		4		4		50.00%
0010 0101	1		10		8		7		1		12.50%
0010 0101	1		11		8		7		1		12.50%
0010 0110	0		00		8		8		0		0.00%
0010 0110	0		01		8		4		4		50.00%
0010 0110	0		10		8		8		0		0.00%
0010 0110	0		11		8		0		8		100.00%
0010 0110	1		00		9		9		0		0.00%
0010 0110	1		01		9		5		4		44.44%
0010 0110	1		10		9		8		1		11.11%
0010 0110	1		11		9		0		9		100.00%
0010 0111	0		00		9		9		0		0.00%
0010 0111	0		01		9		5		4		44.44%
0010 0111	0		10		9		9		0		0.00%

0010 0111	0		11		9		1		8		88.89%
0010 0111	1		00		10		10		0		0.00%
0010 0111	1		01		10		6		4		40.00%
0010 0111	1		10		10		9		1		10.00%
0010 0111	1		11		10		1		9		90.00%
0010 1000	0		00		10		10		0		0.00%
0010 1000	0		01		10		10		0		0.00%
0010 1000	0		10		10		10		0		0.00%
0010 1000	0		11		10		10		0		0.00%
0010 1000	1		00		11		11		0		0.00%
0010 1000	1		01		11		11		0		0.00%
0010 1000	1		10		11		10		1		9.09%
0010 1000	1		11		11		10		1		9.09%
0010 1001	0		00		11		11		0		0.00%
0010 1001	0		01		11		11		0		0.00%
0010 1001	0		10		11		11		0		0.00%
0010 1001	0		11		11		11		0		0.00%
0010 1001	1		00		12		12		0		0.00%
0010 1001	1		01		12		8		4		33.33%
0010 1001	1		10		12		11		1		8.33%
0010 1001	1		11		12		11		1		8.33%
0010 1010	0		00		12		12		0		0.00%
0010 1010	0		01		12		8		4		33.33%
0010 1010	0		10		12		12		0		0.00%
0010 1010	0		11		12		12		0		0.00%
0010 1010	1		00		13		13		0		0.00%
0010 1010	1		01		13		9		4		30.77%
0010 1010	1		10		13		12		1		7.69%
0010 1010	1		11		13		12		1		7.69%
0010 1011	0		00		13		13		0		0.00%
0010 1011	0		01		13		9		4		30.77%
0010 1011	0		10		13		13		0		0.00%
0010 1011	0		11		13		13		0		0.00%
0010 1011	1		00		14		14		0		0.00%
0010 1011	1		01		14		10		4		28.57%
0010 1011	1		10		14		13		1		7.14%
0010 1011	1		11		14		13		1		7.14%
0010 1100	0		00		14		14		0		0.00%
0010 1100	0		01		14		14		0		0.00%
0010 1100	0		10		14		14		0		0.00%
0010 1100	0		11		14		14		0		0.00%
0010 1100	1		00		15		15		0		0.00%
0010 1100	1		01		15		15		0		0.00%
0010 1100	1		10		15		14		1		6.67%
0010 1100	1		11		15		14		1		6.67%
0010 1101	0		00		15		15		0		0.00%

0010 1101	0		01		15		15		0		0.00%
0010 1101	0		10		15		15		0		0.00%
0010 1101	0		11		15		15		0		0.00%
0010 1101	1		00		16		16		0		0.00%
0010 1101	1		01		16		12		4		25.00%
0010 1101	1		10		16		15		1		6.25%
0010 1101	1		11		16		15		1		6.25%
0010 1110	0		00		16		16		0		0.00%
0010 1110	0		01		16		12		4		25.00%
0010 1110	0		10		16		16		0		0.00%
0010 1110	0		11		16		8		8		50.00%
0010 1110	1		00		17		17		0		0.00%
0010 1110	1		01		17		13		4		23.53%
0010 1110	1		10		17		16		1		5.88%
0010 1110	1		11		17		8		9		52.94%
0010 1111	0		00		17		17		0		0.00%
0010 1111	0		01		17		13		4		23.53%
0010 1111	0		10		17		17		0		0.00%
0010 1111	0		11		17		9		8		47.06%
0010 1111	1		00		18		18		0		0.00%
0010 1111	1		01		18		14		4		22.22%
0010 1111	1		10		18		17		1		5.56%
0010 1111	1		11		18		9		9		50.00%
0011 0000	0		00		3		3		0		0.00%
0011 0000	0		01		3		3		0		0.00%
0011 0000	0		10		3		3		0		0.00%
0011 0000	0		11		3		3		0		0.00%
0011 0000	1		00		4		4		0		0.00%
0011 0000	1		01		4		0		4		100.00%
0011 0000	1		10		4		3		1		25.00%
0011 0000	1		11		4		3		1		25.00%
0011 0001	0		00		4		4		0		0.00%
0011 0001	0		01		4		0		4		100.00%
0011 0001	0		10		4		3		1		25.00%
0011 0001	0		11		4		3		1		25.00%
0011 0001	1		00		5		5		0		0.00%
0011 0001	1		01		5		1		4		80.00%
0011 0001	1		10		5		3		2		40.00%
0011 0001	1		11		5		3		2		40.00%
0011 0010	0		00		5		5		0		0.00%
0011 0010	0		01		5		1		4		80.00%
0011 0010	0		10		5		5		0		0.00%
0011 0010	0		11		5		5		0		0.00%
0011 0010	1		00		6		6		0		0.00%
0011 0010	1		01		6		2		4		66.67%
0011 0010	1		10		6		5		1		16.67%

0011 0010	1		11		6		5		1		16.67%
0011 0011	0		00		6		6		0		0.00%
0011 0011	0		01		6		2		4		66.67%
0011 0011	0		10		6		5		1		16.67%
0011 0011	0		11		6		5		1		16.67%
0011 0011	1		00		7		7		0		0.00%
0011 0011	1		01		7		3		4		57.14%
0011 0011	1		10		7		5		2		28.57%
0011 0011	1		11		7		5		2		28.57%
0011 0100	0		00		7		7		0		0.00%
0011 0100	0		01		7		7		0		0.00%
0011 0100	0		10		7		7		0		0.00%
0011 0100	0		11		7		7		0		0.00%
0011 0100	1		00		8		8		0		0.00%
0011 0100	1		01		8		4		4		50.00%
0011 0100	1		10		8		7		1		12.50%
0011 0100	1		11		8		7		1		12.50%
0011 0101	0		00		8		8		0		0.00%
0011 0101	0		01		8		4		4		50.00%
0011 0101	0		10		8		7		1		12.50%
0011 0101	0		11		8		7		1		12.50%
0011 0101	1		00		9		9		0		0.00%
0011 0101	1		01		9		5		4		44.44%
0011 0101	1		10		9		7		2		22.22%
0011 0101	1		11		9		7		2		22.22%
0011 0110	0		00		9		9		0		0.00%
0011 0110	0		01		9		5		4		44.44%
0011 0110	0		10		9		9		0		0.00%
0011 0110	0		11		9		1		8		88.89%
0011 0110	1		00		10		10		0		0.00%
0011 0110	1		01		10		6		4		40.00%
0011 0110	1		10		10		9		1		10.00%
0011 0110	1		11		10		1		9		90.00%
0011 0111	0		00		10		10		0		0.00%
0011 0111	0		01		10		6		4		40.00%
0011 0111	0		10		10		9		1		10.00%
0011 0111	0		11		10		1		9		90.00%
0011 0111	1		00		11		11		0		0.00%
0011 0111	1		01		11		7		4		36.36%
0011 0111	1		10		11		9		2		18.18%
0011 0111	1		11		11		1		10		90.91%
0011 1000	0		00		11		11		0		0.00%
0011 1000	0		01		11		11		0		0.00%
0011 1000	0		10		11		11		0		0.00%
0011 1000	0		11		11		11		0		0.00%
0011 1000	1		00		12		12		0		0.00%

0011 1000	1		01		12		8		4		33.33%
0011 1000	1		10		12		11		1		8.33%
0011 1000	1		11		12		11		1		8.33%
0011 1001	0		00		12		12		0		0.00%
0011 1001	0		01		12		8		4		33.33%
0011 1001	0		10		12		11		1		8.33%
0011 1001	0		11		12		11		1		8.33%
0011 1001	1		00		13		13		0		0.00%
0011 1001	1		01		13		9		4		30.77%
0011 1001	1		10		13		11		2		15.38%
0011 1001	1		11		13		11		2		15.38%
0011 1010	0		00		13		13		0		0.00%
0011 1010	0		01		13		9		4		30.77%
0011 1010	0		10		13		13		0		0.00%
0011 1010	0		11		13		13		0		0.00%
0011 1010	1		00		14		14		0		0.00%
0011 1010	1		01		14		10		4		28.57%
0011 1010	1		10		14		13		1		7.14%
0011 1010	1		11		14		13		1		7.14%
0011 1011	0		00		14		14		0		0.00%
0011 1011	0		01		14		10		4		28.57%
0011 1011	0		10		14		13		1		7.14%
0011 1011	0		11		14		13		1		7.14%
0011 1011	1		00		15		15		0		0.00%
0011 1011	1		01		15		11		4		26.67%
0011 1011	1		10		15		13		2		13.33%
0011 1011	1		11		15		13		2		13.33%
0011 1100	0		00		15		15		0		0.00%
0011 1100	0		01		15		15		0		0.00%
0011 1100	0		10		15		15		0		0.00%
0011 1100	0		11		15		15		0		0.00%
0011 1100	1		00		16		16		0		0.00%
0011 1100	1		01		16		12		4		25.00%
0011 1100	1		10		16		15		1		6.25%
0011 1100	1		11		16		15		1		6.25%
0011 1101	0		00		16		16		0		0.00%
0011 1101	0		01		16		12		4		25.00%
0011 1101	0		10		16		15		1		6.25%
0011 1101	0		11		16		15		1		6.25%
0011 1101	1		00		17		17		0		0.00%
0011 1101	1		01		17		13		4		23.53%
0011 1101	1		10		17		15		2		11.76%
0011 1101	1		11		17		15		2		11.76%
0011 1110	0		00		17		17		0		0.00%
0011 1110	0		01		17		13		4		23.53%
0011 1110	0		10		17		17		0		0.00%

0011 1110	0		11		17		9		8		47.06%
0011 1110	1		00		18		18		0		0.00%
0011 1110	1		01		18		14		4		22.22%
0011 1110	1		10		18		17		1		5.56%
0011 1110	1		11		18		9		9		50.00%
0011 1111	0		00		18		18		0		0.00%
0011 1111	0		01		18		14		4		22.22%
0011 1111	0		10		18		17		1		5.56%
0011 1111	0		11		18		9		9		50.00%
0011 1111	1		00		19		19		0		0.00%
0011 1111	1		01		19		15		4		21.05%
0011 1111	1		10		19		17		2		10.53%
0011 1111	1		11		19		9		10		52.63%
0100 0000	0		00		4		4		0		0.00%
0100 0000	0		01		4		4		0		0.00%
0100 0000	0		10		4		4		0		0.00%
0100 0000	0		11		4		4		0		0.00%
0100 0000	1		00		5		5		0		0.00%
0100 0000	1		01		5		5		0		0.00%
0100 0000	1		10		5		4		1		20.00%
0100 0000	1		11		5		4		1		20.00%
0100 0001	0		00		5		5		0		0.00%
0100 0001	0		01		5		5		0		0.00%
0100 0001	0		10		5		5		0		0.00%
0100 0001	0		11		5		5		0		0.00%
0100 0001	1		00		6		6		0		0.00%
0100 0001	1		01		6		6		0		0.00%
0100 0001	1		10		6		5		1		16.67%
0100 0001	1		11		6		5		1		16.67%
0100 0010	0		00		6		6		0		0.00%
0100 0010	0		01		6		6		0		0.00%
0100 0010	0		10		6		6		0		0.00%
0100 0010	0		11		6		6		0		0.00%
0100 0010	1		00		7		7		0		0.00%
0100 0010	1		01		7		7		0		0.00%
0100 0010	1		10		7		6		1		14.29%
0100 0010	1		11		7		6		1		14.29%
0100 0011	0		00		7		7		0		0.00%
0100 0011	0		01		7		7		0		0.00%
0100 0011	0		10		7		7		0		0.00%
0100 0011	0		11		7		7		0		0.00%
0100 0011	1		00		8		8		0		0.00%
0100 0011	1		01		8		4		4		50.00%
0100 0011	1		10		8		7		1		12.50%
0100 0011	1		11		8		7		1		12.50%
0100 0100	0		00		8		8		0		0.00%

0100 0100	0 01	8	0	8	100.00%
0100 0100	0 10	8	8	0	0.00%
0100 0100	0 11	8	8	0	0.00%
0100 0100	1 00	9	9	0	0.00%
0100 0100	1 01	9	1	8	88.89%
0100 0100	1 10	9	8	1	11.11%
0100 0100	1 11	9	8	1	11.11%
0100 0101	0 00	9	9	0	0.00%
0100 0101	0 01	9	1	8	88.89%
0100 0101	0 10	9	9	0	0.00%
0100 0101	0 11	9	9	0	0.00%
0100 0101	1 00	10	10	0	0.00%
0100 0101	1 01	10	2	8	80.00%
0100 0101	1 10	10	9	1	10.00%
0100 0101	1 11	10	9	1	10.00%
0100 0110	0 00	10	10	0	0.00%
0100 0110	0 01	10	2	8	80.00%
0100 0110	0 10	10	10	0	0.00%
0100 0110	0 11	10	10	0	0.00%
0100 0110	1 00	11	11	0	0.00%
0100 0110	1 01	11	3	8	72.73%
0100 0110	1 10	11	10	1	9.09%
0100 0110	1 11	11	10	1	9.09%
0100 0111	0 00	11	11	0	0.00%
0100 0111	0 01	11	3	8	72.73%
0100 0111	0 10	11	11	0	0.00%
0100 0111	0 11	11	11	0	0.00%
0100 0111	1 00	12	12	0	0.00%
0100 0111	1 01	12	0	12	100.00%
0100 0111	1 10	12	11	1	8.33%
0100 0111	1 11	12	11	1	8.33%
0100 1000	0 00	12	12	0	0.00%
0100 1000	0 01	12	12	0	0.00%
0100 1000	0 10	12	12	0	0.00%
0100 1000	0 11	12	12	0	0.00%
0100 1000	1 00	13	13	0	0.00%
0100 1000	1 01	13	13	0	0.00%
0100 1000	1 10	13	12	1	7.69%
0100 1000	1 11	13	12	1	7.69%
0100 1001	0 00	13	13	0	0.00%
0100 1001	0 01	13	13	0	0.00%
0100 1001	0 10	13	13	0	0.00%
0100 1001	0 11	13	13	0	0.00%
0100 1001	1 00	14	14	0	0.00%
0100 1001	1 01	14	14	0	0.00%
0100 1001	1 10	14	13	1	7.14%

0100 1001	1		11		14		13		1		7.14%
0100 1010	0		00		14		14		0		0.00%
0100 1010	0		01		14		14		0		0.00%
0100 1010	0		10		14		14		0		0.00%
0100 1010	0		11		14		14		0		0.00%
0100 1010	1		00		15		15		0		0.00%
0100 1010	1		01		15		15		0		0.00%
0100 1010	1		10		15		14		1		6.67%
0100 1010	1		11		15		14		1		6.67%
0100 1011	0		00		15		15		0		0.00%
0100 1011	0		01		15		15		0		0.00%
0100 1011	0		10		15		15		0		0.00%
0100 1011	0		11		15		15		0		0.00%
0100 1011	1		00		16		16		0		0.00%
0100 1011	1		01		16		12		4		25.00%
0100 1011	1		10		16		15		1		6.25%
0100 1011	1		11		16		15		1		6.25%
0100 1100	0		00		16		16		0		0.00%
0100 1100	0		01		16		8		8		50.00%
0100 1100	0		10		16		16		0		0.00%
0100 1100	0		11		16		16		0		0.00%
0100 1100	1		00		17		17		0		0.00%
0100 1100	1		01		17		9		8		47.06%
0100 1100	1		10		17		16		1		5.88%
0100 1100	1		11		17		16		1		5.88%
0100 1101	0		00		17		17		0		0.00%
0100 1101	0		01		17		9		8		47.06%
0100 1101	0		10		17		17		0		0.00%
0100 1101	0		11		17		17		0		0.00%
0100 1101	1		00		18		18		0		0.00%
0100 1101	1		01		18		10		8		44.44%
0100 1101	1		10		18		17		1		5.56%
0100 1101	1		11		18		17		1		5.56%
0100 1110	0		00		18		18		0		0.00%
0100 1110	0		01		18		10		8		44.44%
0100 1110	0		10		18		18		0		0.00%
0100 1110	0		11		18		18		0		0.00%
0100 1110	1		00		19		19		0		0.00%
0100 1110	1		01		19		11		8		42.11%
0100 1110	1		10		19		18		1		5.26%
0100 1110	1		11		19		18		1		5.26%
0100 1111	0		00		19		19		0		0.00%
0100 1111	0		01		19		11		8		42.11%
0100 1111	0		10		19		19		0		0.00%
0100 1111	0		11		19		19		0		0.00%
0100 1111	1		00		20		20		0		0.00%

0100 1111	1		01		20		8		12		60.00%
0100 1111	1		10		20		19		1		5.00%
0100 1111	1		11		20		19		1		5.00%
0101 0000	0		00		5		5		0		0.00%
0101 0000	0		01		5		5		0		0.00%
0101 0000	0		10		5		5		0		0.00%
0101 0000	0		11		5		5		0		0.00%
0101 0000	1		00		6		6		0		0.00%
0101 0000	1		01		6		6		0		0.00%
0101 0000	1		10		6		5		1		16.67%
0101 0000	1		11		6		5		1		16.67%
0101 0001	0		00		6		6		0		0.00%
0101 0001	0		01		6		6		0		0.00%
0101 0001	0		10		6		5		1		16.67%
0101 0001	0		11		6		5		1		16.67%
0101 0001	1		00		7		7		0		0.00%
0101 0001	1		01		7		7		0		0.00%
0101 0001	1		10		7		5		2		28.57%
0101 0001	1		11		7		5		2		28.57%
0101 0010	0		00		7		7		0		0.00%
0101 0010	0		01		7		7		0		0.00%
0101 0010	0		10		7		7		0		0.00%
0101 0010	0		11		7		7		0		0.00%
0101 0010	1		00		8		8		0		0.00%
0101 0010	1		01		8		4		4		50.00%
0101 0010	1		10		8		7		1		12.50%
0101 0010	1		11		8		7		1		12.50%
0101 0011	0		00		8		8		0		0.00%
0101 0011	0		01		8		4		4		50.00%
0101 0011	0		10		8		7		1		12.50%
0101 0011	0		11		8		7		1		12.50%
0101 0011	1		00		9		9		0		0.00%
0101 0011	1		01		9		5		4		44.44%
0101 0011	1		10		9		7		2		22.22%
0101 0011	1		11		9		7		2		22.22%
0101 0100	0		00		9		9		0		0.00%
0101 0100	0		01		9		1		8		88.89%
0101 0100	0		10		9		9		0		0.00%
0101 0100	0		11		9		9		0		0.00%
0101 0100	1		00		10		10		0		0.00%
0101 0100	1		01		10		2		8		80.00%
0101 0100	1		10		10		9		1		10.00%
0101 0100	1		11		10		9		1		10.00%
0101 0101	0		00		10		10		0		0.00%
0101 0101	0		01		10		2		8		80.00%
0101 0101	0		10		10		9		1		10.00%

0101 0101	0		11		10		9		1		10.00%
0101 0101	1		00		11		11		0		0.00%
0101 0101	1		01		11		3		8		72.73%
0101 0101	1		10		11		9		2		18.18%
0101 0101	1		11		11		9		2		18.18%
0101 0110	0		00		11		11		0		0.00%
0101 0110	0		01		11		3		8		72.73%
0101 0110	0		10		11		11		0		0.00%
0101 0110	0		11		11		11		0		0.00%
0101 0110	1		00		12		12		0		0.00%
0101 0110	1		01		12		0		12		100.00%
0101 0110	1		10		12		11		1		8.33%
0101 0110	1		11		12		11		1		8.33%
0101 0111	0		00		12		12		0		0.00%
0101 0111	0		01		12		0		12		100.00%
0101 0111	0		10		12		11		1		8.33%
0101 0111	0		11		12		11		1		8.33%
0101 0111	1		00		13		13		0		0.00%
0101 0111	1		01		13		1		12		92.31%
0101 0111	1		10		13		11		2		15.38%
0101 0111	1		11		13		11		2		15.38%
0101 1000	0		00		13		13		0		0.00%
0101 1000	0		01		13		13		0		0.00%
0101 1000	0		10		13		13		0		0.00%
0101 1000	0		11		13		13		0		0.00%
0101 1000	1		00		14		14		0		0.00%
0101 1000	1		01		14		14		0		0.00%
0101 1000	1		10		14		13		1		7.14%
0101 1000	1		11		14		13		1		7.14%
0101 1001	0		00		14		14		0		0.00%
0101 1001	0		01		14		14		0		0.00%
0101 1001	0		10		14		13		1		7.14%
0101 1001	0		11		14		13		1		7.14%
0101 1001	1		00		15		15		0		0.00%
0101 1001	1		01		15		15		0		0.00%
0101 1001	1		10		15		13		2		13.33%
0101 1001	1		11		15		13		2		13.33%
0101 1010	0		00		15		15		0		0.00%
0101 1010	0		01		15		15		0		0.00%
0101 1010	0		10		15		15		0		0.00%
0101 1010	0		11		15		15		0		0.00%
0101 1010	1		00		16		16		0		0.00%
0101 1010	1		01		16		12		4		25.00%
0101 1010	1		10		16		15		1		6.25%
0101 1010	1		11		16		15		1		6.25%
0101 1011	0		00		16		16		0		0.00%

0101 1011	0 01	16	12	4	25.00%
0101 1011	0 10	16	15	1	6.25%
0101 1011	0 11	16	15	1	6.25%
0101 1011	1 00	17	17	0	0.00%
0101 1011	1 01	17	13	4	23.53%
0101 1011	1 10	17	15	2	11.76%
0101 1011	1 11	17	15	2	11.76%
0101 1100	0 00	17	17	0	0.00%
0101 1100	0 01	17	9	8	47.06%
0101 1100	0 10	17	17	0	0.00%
0101 1100	0 11	17	17	0	0.00%
0101 1100	1 00	18	18	0	0.00%
0101 1100	1 01	18	10	8	44.44%
0101 1100	1 10	18	17	1	5.56%
0101 1100	1 11	18	17	1	5.56%
0101 1101	0 00	18	18	0	0.00%
0101 1101	0 01	18	10	8	44.44%
0101 1101	0 10	18	17	1	5.56%
0101 1101	0 11	18	17	1	5.56%
0101 1101	1 00	19	19	0	0.00%
0101 1101	1 01	19	11	8	42.11%
0101 1101	1 10	19	17	2	10.53%
0101 1101	1 11	19	17	2	10.53%
0101 1110	0 00	19	19	0	0.00%
0101 1110	0 01	19	11	8	42.11%
0101 1110	0 10	19	19	0	0.00%
0101 1110	0 11	19	19	0	0.00%
0101 1110	1 00	20	20	0	0.00%
0101 1110	1 01	20	8	12	60.00%
0101 1110	1 10	20	19	1	5.00%
0101 1110	1 11	20	19	1	5.00%
0101 1111	0 00	20	20	0	0.00%
0101 1111	0 01	20	8	12	60.00%
0101 1111	0 10	20	19	1	5.00%
0101 1111	0 11	20	19	1	5.00%
0101 1111	1 00	21	21	0	0.00%
0101 1111	1 01	21	9	12	57.14%
0101 1111	1 10	21	19	2	9.52%
0101 1111	1 11	21	19	2	9.52%
0110 0000	0 00	6	6	0	0.00%
0110 0000	0 01	6	6	0	0.00%
0110 0000	0 10	6	6	0	0.00%
0110 0000	0 11	6	6	0	0.00%
0110 0000	1 00	7	7	0	0.00%
0110 0000	1 01	7	7	0	0.00%
0110 0000	1 10	7	6	1	14.29%

0110 0000	1		11		7		6		1		14.29%
0110 0001	0		00		7		7		0		0.00%
0110 0001	0		01		7		7		0		0.00%
0110 0001	0		10		7		7		0		0.00%
0110 0001	0		11		7		7		0		0.00%
0110 0001	1		00		8		8		0		0.00%
0110 0001	1		01		8		4		4		50.00%
0110 0001	1		10		8		7		1		12.50%
0110 0001	1		11		8		7		1		12.50%
0110 0010	0		00		8		8		0		0.00%
0110 0010	0		01		8		4		4		50.00%
0110 0010	0		10		8		8		0		0.00%
0110 0010	0		11		8		0		8		100.00%
0110 0010	1		00		9		9		0		0.00%
0110 0010	1		01		9		5		4		44.44%
0110 0010	1		10		9		8		1		11.11%
0110 0010	1		11		9		0		9		100.00%
0110 0011	0		00		9		9		0		0.00%
0110 0011	0		01		9		5		4		44.44%
0110 0011	0		10		9		9		0		0.00%
0110 0011	0		11		9		1		8		88.89%
0110 0011	1		00		10		10		0		0.00%
0110 0011	1		01		10		6		4		40.00%
0110 0011	1		10		10		9		1		10.00%
0110 0011	1		11		10		1		9		90.00%
0110 0100	0		00		10		10		0		0.00%
0110 0100	0		01		10		2		8		80.00%
0110 0100	0		10		10		10		0		0.00%
0110 0100	0		11		10		10		0		0.00%
0110 0100	1		00		11		11		0		0.00%
0110 0100	1		01		11		3		8		72.73%
0110 0100	1		10		11		10		1		9.09%
0110 0100	1		11		11		10		1		9.09%
0110 0101	0		00		11		11		0		0.00%
0110 0101	0		01		11		3		8		72.73%
0110 0101	0		10		11		11		0		0.00%
0110 0101	0		11		11		11		0		0.00%
0110 0101	1		00		12		12		0		0.00%
0110 0101	1		01		12		0		12		100.00%
0110 0101	1		10		12		11		1		8.33%
0110 0101	1		11		12		11		1		8.33%
0110 0110	0		00		12		12		0		0.00%
0110 0110	0		01		12		0		12		100.00%
0110 0110	0		10		12		12		0		0.00%
0110 0110	0		11		12		12		0		0.00%
0110 0110	1		00		13		13		0		0.00%

0110 0110	1		01		13		1		12		92.31%
0110 0110	1		10		13		12		1		7.69%
0110 0110	1		11		13		12		1		7.69%
0110 0111	0		00		13		13		0		0.00%
0110 0111	0		01		13		1		12		92.31%
0110 0111	0		10		13		13		0		0.00%
0110 0111	0		11		13		13		0		0.00%
0110 0111	1		00		14		14		0		0.00%
0110 0111	1		01		14		2		12		85.71%
0110 0111	1		10		14		13		1		7.14%
0110 0111	1		11		14		13		1		7.14%
0110 1000	0		00		14		14		0		0.00%
0110 1000	0		01		14		14		0		0.00%
0110 1000	0		10		14		14		0		0.00%
0110 1000	0		11		14		14		0		0.00%
0110 1000	1		00		15		15		0		0.00%
0110 1000	1		01		15		15		0		0.00%
0110 1000	1		10		15		14		1		6.67%
0110 1000	1		11		15		14		1		6.67%
0110 1001	0		00		15		15		0		0.00%
0110 1001	0		01		15		15		0		0.00%
0110 1001	0		10		15		15		0		0.00%
0110 1001	0		11		15		15		0		0.00%
0110 1001	1		00		16		16		0		0.00%
0110 1001	1		01		16		12		4		25.00%
0110 1001	1		10		16		15		1		6.25%
0110 1001	1		11		16		15		1		6.25%
0110 1010	0		00		16		16		0		0.00%
0110 1010	0		01		16		12		4		25.00%
0110 1010	0		10		16		16		0		0.00%
0110 1010	0		11		16		8		8		50.00%
0110 1010	1		00		17		17		0		0.00%
0110 1010	1		01		17		13		4		23.53%
0110 1010	1		10		17		16		1		5.88%
0110 1010	1		11		17		8		9		52.94%
0110 1011	0		00		17		17		0		0.00%
0110 1011	0		01		17		13		4		23.53%
0110 1011	0		10		17		17		0		0.00%
0110 1011	0		11		17		9		8		47.06%
0110 1011	1		00		18		18		0		0.00%
0110 1011	1		01		18		14		4		22.22%
0110 1011	1		10		18		17		1		5.56%
0110 1011	1		11		18		9		9		50.00%
0110 1100	0		00		18		18		0		0.00%
0110 1100	0		01		18		10		8		44.44%
0110 1100	0		10		18		18		0		0.00%

0110 1100	0		11		18		18		0		0.00%
0110 1100	1		00		19		19		0		0.00%
0110 1100	1		01		19		11		8		42.11%
0110 1100	1		10		19		18		1		5.26%
0110 1100	1		11		19		18		1		5.26%
0110 1101	0		00		19		19		0		0.00%
0110 1101	0		01		19		11		8		42.11%
0110 1101	0		10		19		19		0		0.00%
0110 1101	0		11		19		19		0		0.00%
0110 1101	1		00		20		20		0		0.00%
0110 1101	1		01		20		8		12		60.00%
0110 1101	1		10		20		19		1		5.00%
0110 1101	1		11		20		19		1		5.00%
0110 1110	0		00		20		20		0		0.00%
0110 1110	0		01		20		8		12		60.00%
0110 1110	0		10		20		20		0		0.00%
0110 1110	0		11		20		20		0		0.00%
0110 1110	1		00		21		21		0		0.00%
0110 1110	1		01		21		9		12		57.14%
0110 1110	1		10		21		20		1		4.76%
0110 1110	1		11		21		20		1		4.76%
0110 1111	0		00		21		21		0		0.00%
0110 1111	0		01		21		9		12		57.14%
0110 1111	0		10		21		21		0		0.00%
0110 1111	0		11		21		21		0		0.00%
0110 1111	1		00		22		22		0		0.00%
0110 1111	1		01		22		10		12		54.55%
0110 1111	1		10		22		21		1		4.55%
0110 1111	1		11		22		21		1		4.55%
0111 0000	0		00		7		7		0		0.00%
0111 0000	0		01		7		7		0		0.00%
0111 0000	0		10		7		7		0		0.00%
0111 0000	0		11		7		7		0		0.00%
0111 0000	1		00		8		8		0		0.00%
0111 0000	1		01		8		4		4		50.00%
0111 0000	1		10		8		7		1		12.50%
0111 0000	1		11		8		7		1		12.50%
0111 0001	0		00		8		8		0		0.00%
0111 0001	0		01		8		4		4		50.00%
0111 0001	0		10		8		7		1		12.50%
0111 0001	0		11		8		7		1		12.50%
0111 0001	1		00		9		9		0		0.00%
0111 0001	1		01		9		5		4		44.44%
0111 0001	1		10		9		7		2		22.22%
0111 0001	1		11		9		7		2		22.22%
0111 0010	0		00		9		9		0		0.00%

0111 0010	0		01		9		5		4		44.44%
0111 0010	0		10		9		9		0		0.00%
0111 0010	0		11		9		1		8		88.89%
0111 0010	1		00		10		10		0		0.00%
0111 0010	1		01		10		6		4		40.00%
0111 0010	1		10		10		9		1		10.00%
0111 0010	1		11		10		1		9		90.00%
0111 0011	0		00		10		10		0		0.00%
0111 0011	0		01		10		6		4		40.00%
0111 0011	0		10		10		9		1		10.00%
0111 0011	0		11		10		1		9		90.00%
0111 0011	1		00		11		11		0		0.00%
0111 0011	1		01		11		7		4		36.36%
0111 0011	1		10		11		9		2		18.18%
0111 0011	1		11		11		1		10		90.91%
0111 0100	0		00		11		11		0		0.00%
0111 0100	0		01		11		3		8		72.73%
0111 0100	0		10		11		11		0		0.00%
0111 0100	0		11		11		11		0		0.00%
0111 0100	1		00		12		12		0		0.00%
0111 0100	1		01		12		0		12		100.00%
0111 0100	1		10		12		11		1		8.33%
0111 0100	1		11		12		11		1		8.33%
0111 0101	0		00		12		12		0		0.00%
0111 0101	0		01		12		0		12		100.00%
0111 0101	0		10		12		11		1		8.33%
0111 0101	0		11		12		11		1		8.33%
0111 0101	1		00		13		13		0		0.00%
0111 0101	1		01		13		1		12		92.31%
0111 0101	1		10		13		11		2		15.38%
0111 0101	1		11		13		11		2		15.38%
0111 0110	0		00		13		13		0		0.00%
0111 0110	0		01		13		1		12		92.31%
0111 0110	0		10		13		13		0		0.00%
0111 0110	0		11		13		13		0		0.00%
0111 0110	1		00		14		14		0		0.00%
0111 0110	1		01		14		2		12		85.71%
0111 0110	1		10		14		13		1		7.14%
0111 0110	1		11		14		13		1		7.14%
0111 0111	0		00		14		14		0		0.00%
0111 0111	0		01		14		2		12		85.71%
0111 0111	0		10		14		13		1		7.14%
0111 0111	0		11		14		13		1		7.14%
0111 0111	1		00		15		15		0		0.00%
0111 0111	1		01		15		3		12		80.00%
0111 0111	1		10		15		13		2		13.33%

0111 0111	1		11		15		13		2		13.33%
0111 1000	0		00		15		15		0		0.00%
0111 1000	0		01		15		15		0		0.00%
0111 1000	0		10		15		15		0		0.00%
0111 1000	0		11		15		15		0		0.00%
0111 1000	1		00		16		16		0		0.00%
0111 1000	1		01		16		12		4		25.00%
0111 1000	1		10		16		15		1		6.25%
0111 1000	1		11		16		15		1		6.25%
0111 1001	0		00		16		16		0		0.00%
0111 1001	0		01		16		12		4		25.00%
0111 1001	0		10		16		15		1		6.25%
0111 1001	0		11		16		15		1		6.25%
0111 1001	1		00		17		17		0		0.00%
0111 1001	1		01		17		13		4		23.53%
0111 1001	1		10		17		15		2		11.76%
0111 1001	1		11		17		15		2		11.76%
0111 1010	0		00		17		17		0		0.00%
0111 1010	0		01		17		13		4		23.53%
0111 1010	0		10		17		17		0		0.00%
0111 1010	0		11		17		9		8		47.06%
0111 1010	1		00		18		18		0		0.00%
0111 1010	1		01		18		14		4		22.22%
0111 1010	1		10		18		17		1		5.56%
0111 1010	1		11		18		9		9		50.00%
0111 1011	0		00		18		18		0		0.00%
0111 1011	0		01		18		14		4		22.22%
0111 1011	0		10		18		17		1		5.56%
0111 1011	0		11		18		9		9		50.00%
0111 1011	1		00		19		19		0		0.00%
0111 1011	1		01		19		15		4		21.05%
0111 1011	1		10		19		17		2		10.53%
0111 1011	1		11		19		9		10		52.63%
0111 1100	0		00		19		19		0		0.00%
0111 1100	0		01		19		11		8		42.11%
0111 1100	0		10		19		19		0		0.00%
0111 1100	0		11		19		19		0		0.00%
0111 1100	1		00		20		20		0		0.00%
0111 1100	1		01		20		8		12		60.00%
0111 1100	1		10		20		19		1		5.00%
0111 1100	1		11		20		19		1		5.00%
0111 1101	0		00		20		20		0		0.00%
0111 1101	0		01		20		8		12		60.00%
0111 1101	0		10		20		19		1		5.00%
0111 1101	0		11		20		19		1		5.00%
0111 1101	1		00		21		21		0		0.00%

0111 1101	1		01		21		9		12		57.14%
0111 1101	1		10		21		19		2		9.52%
0111 1101	1		11		21		19		2		9.52%
0111 1110	0		00		21		21		0		0.00%
0111 1110	0		01		21		9		12		57.14%
0111 1110	0		10		21		21		0		0.00%
0111 1110	0		11		21		21		0		0.00%
0111 1110	1		00		22		22		0		0.00%
0111 1110	1		01		22		10		12		54.55%
0111 1110	1		10		22		21		1		4.55%
0111 1110	1		11		22		21		1		4.55%
0111 1111	0		00		22		22		0		0.00%
0111 1111	0		01		22		10		12		54.55%
0111 1111	0		10		22		21		1		4.55%
0111 1111	0		11		22		21		1		4.55%
0111 1111	1		00		23		23		0		0.00%
0111 1111	1		01		23		11		12		52.17%
0111 1111	1		10		23		21		2		8.70%
0111 1111	1		11		23		21		2		8.70%
1000 0000	0		00		8		8		0		0.00%
1000 0000	0		01		8		8		0		0.00%
1000 0000	0		10		8		8		0		0.00%
1000 0000	0		11		8		8		0		0.00%
1000 0000	1		00		9		9		0		0.00%
1000 0000	1		01		9		9		0		0.00%
1000 0000	1		10		9		8		1		11.11%
1000 0000	1		11		9		8		1		11.11%
1000 0001	0		00		9		9		0		0.00%
1000 0001	0		01		9		9		0		0.00%
1000 0001	0		10		9		9		0		0.00%
1000 0001	0		11		9		9		0		0.00%
1000 0001	1		00		10		10		0		0.00%
1000 0001	1		01		10		10		0		0.00%
1000 0001	1		10		10		9		1		10.00%
1000 0001	1		11		10		9		1		10.00%
1000 0010	0		00		10		10		0		0.00%
1000 0010	0		01		10		10		0		0.00%
1000 0010	0		10		10		10		0		0.00%
1000 0010	0		11		10		10		0		0.00%
1000 0010	1		00		11		11		0		0.00%
1000 0010	1		01		11		11		0		0.00%
1000 0010	1		10		11		10		1		9.09%
1000 0010	1		11		11		10		1		9.09%
1000 0011	0		00		11		11		0		0.00%
1000 0011	0		01		11		11		0		0.00%
1000 0011	0		10		11		11		0		0.00%

1000 0011	0		11		11		11		0		0.00%
1000 0011	1		00		12		12		0		0.00%
1000 0011	1		01		12		8		4		33.33%
1000 0011	1		10		12		11		1		8.33%
1000 0011	1		11		12		11		1		8.33%
1000 0100	0		00		12		12		0		0.00%
1000 0100	0		01		12		12		0		0.00%
1000 0100	0		10		12		12		0		0.00%
1000 0100	0		11		12		12		0		0.00%
1000 0100	1		00		13		13		0		0.00%
1000 0100	1		01		13		13		0		0.00%
1000 0100	1		10		13		12		1		7.69%
1000 0100	1		11		13		12		1		7.69%
1000 0101	0		00		13		13		0		0.00%
1000 0101	0		01		13		13		0		0.00%
1000 0101	0		10		13		13		0		0.00%
1000 0101	0		11		13		13		0		0.00%
1000 0101	1		00		14		14		0		0.00%
1000 0101	1		01		14		14		0		0.00%
1000 0101	1		10		14		13		1		7.14%
1000 0101	1		11		14		13		1		7.14%
1000 0110	0		00		14		14		0		0.00%
1000 0110	0		01		14		14		0		0.00%
1000 0110	0		10		14		14		0		0.00%
1000 0110	0		11		14		14		0		0.00%
1000 0110	1		00		15		15		0		0.00%
1000 0110	1		01		15		15		0		0.00%
1000 0110	1		10		15		14		1		6.67%
1000 0110	1		11		15		14		1		6.67%
1000 0111	0		00		15		15		0		0.00%
1000 0111	0		01		15		15		0		0.00%
1000 0111	0		10		15		15		0		0.00%
1000 0111	0		11		15		15		0		0.00%
1000 0111	1		00		16		16		0		0.00%
1000 0111	1		01		16		12		4		25.00%
1000 0111	1		10		16		15		1		6.25%
1000 0111	1		11		16		15		1		6.25%
1000 1000	0		00		16		16		0		0.00%
1000 1000	0		01		16		0		16		100.00%
1000 1000	0		10		16		16		0		0.00%
1000 1000	0		11		16		16		0		0.00%
1000 1000	1		00		17		17		0		0.00%
1000 1000	1		01		17		1		16		94.12%
1000 1000	1		10		17		16		1		5.88%
1000 1000	1		11		17		16		1		5.88%
1000 1001	0		00		17		17		0		0.00%

1000 1001	0 01	17	1	16	94.12%
1000 1001	0 10	17	17	0	0.00%
1000 1001	0 11	17	17	0	0.00%
1000 1001	1 00	18	18	0	0.00%
1000 1001	1 01	18	2	16	88.89%
1000 1001	1 10	18	17	1	5.56%
1000 1001	1 11	18	17	1	5.56%
1000 1010	0 00	18	18	0	0.00%
1000 1010	0 01	18	2	16	88.89%
1000 1010	0 10	18	18	0	0.00%
1000 1010	0 11	18	18	0	0.00%
1000 1010	1 00	19	19	0	0.00%
1000 1010	1 01	19	3	16	84.21%
1000 1010	1 10	19	18	1	5.26%
1000 1010	1 11	19	18	1	5.26%
1000 1011	0 00	19	19	0	0.00%
1000 1011	0 01	19	3	16	84.21%
1000 1011	0 10	19	19	0	0.00%
1000 1011	0 11	19	19	0	0.00%
1000 1011	1 00	20	20	0	0.00%
1000 1011	1 01	20	0	20	100.00%
1000 1011	1 10	20	19	1	5.00%
1000 1011	1 11	20	19	1	5.00%
1000 1100	0 00	20	20	0	0.00%
1000 1100	0 01	20	4	16	80.00%
1000 1100	0 10	20	20	0	0.00%
1000 1100	0 11	20	20	0	0.00%
1000 1100	1 00	21	21	0	0.00%
1000 1100	1 01	21	5	16	76.19%
1000 1100	1 10	21	20	1	4.76%
1000 1100	1 11	21	20	1	4.76%
1000 1101	0 00	21	21	0	0.00%
1000 1101	0 01	21	5	16	76.19%
1000 1101	0 10	21	21	0	0.00%
1000 1101	0 11	21	21	0	0.00%
1000 1101	1 00	22	22	0	0.00%
1000 1101	1 01	22	6	16	72.73%
1000 1101	1 10	22	21	1	4.55%
1000 1101	1 11	22	21	1	4.55%
1000 1110	0 00	22	22	0	0.00%
1000 1110	0 01	22	6	16	72.73%
1000 1110	0 10	22	22	0	0.00%
1000 1110	0 11	22	22	0	0.00%
1000 1110	1 00	23	23	0	0.00%
1000 1110	1 01	23	7	16	69.57%
1000 1110	1 10	23	22	1	4.35%

1000 1110	1		11		23		22		1		4.35%
1000 1111	0		00		23		23		0		0.00%
1000 1111	0		01		23		7		16		69.57%
1000 1111	0		10		23		23		0		0.00%
1000 1111	0		11		23		23		0		0.00%
1000 1111	1		00		24		24		0		0.00%
1000 1111	1		01		24		4		20		83.33%
1000 1111	1		10		24		23		1		4.17%
1000 1111	1		11		24		23		1		4.17%
1001 0000	0		00		9		9		0		0.00%
1001 0000	0		01		9		9		0		0.00%
1001 0000	0		10		9		9		0		0.00%
1001 0000	0		11		9		9		0		0.00%
1001 0000	1		00		10		10		0		0.00%
1001 0000	1		01		10		10		0		0.00%
1001 0000	1		10		10		9		1		10.00%
1001 0000	1		11		10		9		1		10.00%
1001 0001	0		00		10		10		0		0.00%
1001 0001	0		01		10		10		0		0.00%
1001 0001	0		10		10		9		1		10.00%
1001 0001	0		11		10		9		1		10.00%
1001 0001	1		00		11		11		0		0.00%
1001 0001	1		01		11		11		0		0.00%
1001 0001	1		10		11		9		2		18.18%
1001 0001	1		11		11		9		2		18.18%
1001 0010	0		00		11		11		0		0.00%
1001 0010	0		01		11		11		0		0.00%
1001 0010	0		10		11		11		0		0.00%
1001 0010	0		11		11		11		0		0.00%
1001 0010	1		00		12		12		0		0.00%
1001 0010	1		01		12		8		4		33.33%
1001 0010	1		10		12		11		1		8.33%
1001 0010	1		11		12		11		1		8.33%
1001 0011	0		00		12		12		0		0.00%
1001 0011	0		01		12		8		4		33.33%
1001 0011	0		10		12		11		1		8.33%
1001 0011	0		11		12		11		1		8.33%
1001 0011	1		00		13		13		0		0.00%
1001 0011	1		01		13		9		4		30.77%
1001 0011	1		10		13		11		2		15.38%
1001 0011	1		11		13		11		2		15.38%
1001 0100	0		00		13		13		0		0.00%
1001 0100	0		01		13		13		0		0.00%
1001 0100	0		10		13		13		0		0.00%
1001 0100	0		11		13		13		0		0.00%
1001 0100	1		00		14		14		0		0.00%

1001 0100	1		01		14		14		0		0.00%
1001 0100	1		10		14		13		1		7.14%
1001 0100	1		11		14		13		1		7.14%
1001 0101	0		00		14		14		0		0.00%
1001 0101	0		01		14		14		0		0.00%
1001 0101	0		10		14		13		1		7.14%
1001 0101	0		11		14		13		1		7.14%
1001 0101	1		00		15		15		0		0.00%
1001 0101	1		01		15		15		0		0.00%
1001 0101	1		10		15		13		2		13.33%
1001 0101	1		11		15		13		2		13.33%
1001 0110	0		00		15		15		0		0.00%
1001 0110	0		01		15		15		0		0.00%
1001 0110	0		10		15		15		0		0.00%
1001 0110	0		11		15		15		0		0.00%
1001 0110	1		00		16		16		0		0.00%
1001 0110	1		01		16		12		4		25.00%
1001 0110	1		10		16		15		1		6.25%
1001 0110	1		11		16		15		1		6.25%
1001 0111	0		00		16		16		0		0.00%
1001 0111	0		01		16		12		4		25.00%
1001 0111	0		10		16		15		1		6.25%
1001 0111	0		11		16		15		1		6.25%
1001 0111	1		00		17		17		0		0.00%
1001 0111	1		01		17		13		4		23.53%
1001 0111	1		10		17		15		2		11.76%
1001 0111	1		11		17		15		2		11.76%
1001 1000	0		00		17		17		0		0.00%
1001 1000	0		01		17		1		16		94.12%
1001 1000	0		10		17		17		0		0.00%
1001 1000	0		11		17		17		0		0.00%
1001 1000	1		00		18		18		0		0.00%
1001 1000	1		01		18		2		16		88.89%
1001 1000	1		10		18		17		1		5.56%
1001 1000	1		11		18		17		1		5.56%
1001 1001	0		00		18		18		0		0.00%
1001 1001	0		01		18		2		16		88.89%
1001 1001	0		10		18		17		1		5.56%
1001 1001	0		11		18		17		1		5.56%
1001 1001	1		00		19		19		0		0.00%
1001 1001	1		01		19		3		16		84.21%
1001 1001	1		10		19		17		2		10.53%
1001 1001	1		11		19		17		2		10.53%
1001 1010	0		00		19		19		0		0.00%
1001 1010	0		01		19		3		16		84.21%
1001 1010	0		10		19		19		0		0.00%

1001 1010	0		11		19		19		0		0.00%
1001 1010	1		00		20		20		0		0.00%
1001 1010	1		01		20		0		20		100.00%
1001 1010	1		10		20		19		1		5.00%
1001 1010	1		11		20		19		1		5.00%
1001 1011	0		00		20		20		0		0.00%
1001 1011	0		01		20		0		20		100.00%
1001 1011	0		10		20		19		1		5.00%
1001 1011	0		11		20		19		1		5.00%
1001 1011	1		00		21		21		0		0.00%
1001 1011	1		01		21		1		20		95.24%
1001 1011	1		10		21		19		2		9.52%
1001 1011	1		11		21		19		2		9.52%
1001 1100	0		00		21		21		0		0.00%
1001 1100	0		01		21		5		16		76.19%
1001 1100	0		10		21		21		0		0.00%
1001 1100	0		11		21		21		0		0.00%
1001 1100	1		00		22		22		0		0.00%
1001 1100	1		01		22		6		16		72.73%
1001 1100	1		10		22		21		1		4.55%
1001 1100	1		11		22		21		1		4.55%
1001 1101	0		00		22		22		0		0.00%
1001 1101	0		01		22		6		16		72.73%
1001 1101	0		10		22		21		1		4.55%
1001 1101	0		11		22		21		1		4.55%
1001 1101	1		00		23		23		0		0.00%
1001 1101	1		01		23		7		16		69.57%
1001 1101	1		10		23		21		2		8.70%
1001 1101	1		11		23		21		2		8.70%
1001 1110	0		00		23		23		0		0.00%
1001 1110	0		01		23		7		16		69.57%
1001 1110	0		10		23		23		0		0.00%
1001 1110	0		11		23		23		0		0.00%
1001 1110	1		00		24		24		0		0.00%
1001 1110	1		01		24		4		20		83.33%
1001 1110	1		10		24		23		1		4.17%
1001 1110	1		11		24		23		1		4.17%
1001 1111	0		00		24		24		0		0.00%
1001 1111	0		01		24		4		20		83.33%
1001 1111	0		10		24		23		1		4.17%
1001 1111	0		11		24		23		1		4.17%
1001 1111	1		00		25		25		0		0.00%
1001 1111	1		01		25		5		20		80.00%
1001 1111	1		10		25		23		2		8.00%
1001 1111	1		11		25		23		2		8.00%
1010 0000	0		00		10		10		0		0.00%

1010 0000	0		01		10		10		0		0.00%
1010 0000	0		10		10		10		0		0.00%
1010 0000	0		11		10		10		0		0.00%
1010 0000	1		00		11		11		0		0.00%
1010 0000	1		01		11		11		0		0.00%
1010 0000	1		10		11		10		1		9.09%
1010 0000	1		11		11		10		1		9.09%
1010 0001	0		00		11		11		0		0.00%
1010 0001	0		01		11		11		0		0.00%
1010 0001	0		10		11		11		0		0.00%
1010 0001	0		11		11		11		0		0.00%
1010 0001	1		00		12		12		0		0.00%
1010 0001	1		01		12		8		4		33.33%
1010 0001	1		10		12		11		1		8.33%
1010 0001	1		11		12		11		1		8.33%
1010 0010	0		00		12		12		0		0.00%
1010 0010	0		01		12		8		4		33.33%
1010 0010	0		10		12		12		0		0.00%
1010 0010	0		11		12		12		0		0.00%
1010 0010	1		00		13		13		0		0.00%
1010 0010	1		01		13		9		4		30.77%
1010 0010	1		10		13		12		1		7.69%
1010 0010	1		11		13		12		1		7.69%
1010 0011	0		00		13		13		0		0.00%
1010 0011	0		01		13		9		4		30.77%
1010 0011	0		10		13		13		0		0.00%
1010 0011	0		11		13		13		0		0.00%
1010 0011	1		00		14		14		0		0.00%
1010 0011	1		01		14		10		4		28.57%
1010 0011	1		10		14		13		1		7.14%
1010 0011	1		11		14		13		1		7.14%
1010 0100	0		00		14		14		0		0.00%
1010 0100	0		01		14		14		0		0.00%
1010 0100	0		10		14		14		0		0.00%
1010 0100	0		11		14		14		0		0.00%
1010 0100	1		00		15		15		0		0.00%
1010 0100	1		01		15		15		0		0.00%
1010 0100	1		10		15		14		1		6.67%
1010 0100	1		11		15		14		1		6.67%
1010 0101	0		00		15		15		0		0.00%
1010 0101	0		01		15		15		0		0.00%
1010 0101	0		10		15		15		0		0.00%
1010 0101	0		11		15		15		0		0.00%
1010 0101	1		00		16		16		0		0.00%
1010 0101	1		01		16		12		4		25.00%
1010 0101	1		10		16		15		1		6.25%

1010 0101	1		11		16		15		1		6.25%
1010 0110	0		00		16		16		0		0.00%
1010 0110	0		01		16		12		4		25.00%
1010 0110	0		10		16		16		0		0.00%
1010 0110	0		11		16		8		8		50.00%
1010 0110	1		00		17		17		0		0.00%
1010 0110	1		01		17		13		4		23.53%
1010 0110	1		10		17		16		1		5.88%
1010 0110	1		11		17		8		9		52.94%
1010 0111	0		00		17		17		0		0.00%
1010 0111	0		01		17		13		4		23.53%
1010 0111	0		10		17		17		0		0.00%
1010 0111	0		11		17		9		8		47.06%
1010 0111	1		00		18		18		0		0.00%
1010 0111	1		01		18		14		4		22.22%
1010 0111	1		10		18		17		1		5.56%
1010 0111	1		11		18		9		9		50.00%
1010 1000	0		00		18		18		0		0.00%
1010 1000	0		01		18		2		16		88.89%
1010 1000	0		10		18		18		0		0.00%
1010 1000	0		11		18		18		0		0.00%
1010 1000	1		00		19		19		0		0.00%
1010 1000	1		01		19		3		16		84.21%
1010 1000	1		10		19		18		1		5.26%
1010 1000	1		11		19		18		1		5.26%
1010 1001	0		00		19		19		0		0.00%
1010 1001	0		01		19		3		16		84.21%
1010 1001	0		10		19		19		0		0.00%
1010 1001	0		11		19		19		0		0.00%
1010 1001	1		00		20		20		0		0.00%
1010 1001	1		01		20		0		20		100.00%
1010 1001	1		10		20		19		1		5.00%
1010 1001	1		11		20		19		1		5.00%
1010 1010	0		00		20		20		0		0.00%
1010 1010	0		01		20		0		20		100.00%
1010 1010	0		10		20		20		0		0.00%
1010 1010	0		11		20		20		0		0.00%
1010 1010	1		00		21		21		0		0.00%
1010 1010	1		01		21		1		20		95.24%
1010 1010	1		10		21		20		1		4.76%
1010 1010	1		11		21		20		1		4.76%
1010 1011	0		00		21		21		0		0.00%
1010 1011	0		01		21		1		20		95.24%
1010 1011	0		10		21		21		0		0.00%
1010 1011	0		11		21		21		0		0.00%
1010 1011	1		00		22		22		0		0.00%

1010 1011	1		01		22		2		20		90.91%
1010 1011	1		10		22		21		1		4.55%
1010 1011	1		11		22		21		1		4.55%
1010 1100	0		00		22		22		0		0.00%
1010 1100	0		01		22		6		16		72.73%
1010 1100	0		10		22		22		0		0.00%
1010 1100	0		11		22		22		0		0.00%
1010 1100	1		00		23		23		0		0.00%
1010 1100	1		01		23		7		16		69.57%
1010 1100	1		10		23		22		1		4.35%
1010 1100	1		11		23		22		1		4.35%
1010 1101	0		00		23		23		0		0.00%
1010 1101	0		01		23		7		16		69.57%
1010 1101	0		10		23		23		0		0.00%
1010 1101	0		11		23		23		0		0.00%
1010 1101	1		00		24		24		0		0.00%
1010 1101	1		01		24		4		20		83.33%
1010 1101	1		10		24		23		1		4.17%
1010 1101	1		11		24		23		1		4.17%
1010 1110	0		00		24		24		0		0.00%
1010 1110	0		01		24		4		20		83.33%
1010 1110	0		10		24		24		0		0.00%
1010 1110	0		11		24		16		8		33.33%
1010 1110	1		00		25		25		0		0.00%
1010 1110	1		01		25		5		20		80.00%
1010 1110	1		10		25		24		1		4.00%
1010 1110	1		11		25		16		9		36.00%
1010 1111	0		00		25		25		0		0.00%
1010 1111	0		01		25		5		20		80.00%
1010 1111	0		10		25		25		0		0.00%
1010 1111	0		11		25		17		8		32.00%
1010 1111	1		00		26		26		0		0.00%
1010 1111	1		01		26		6		20		76.92%
1010 1111	1		10		26		25		1		3.85%
1010 1111	1		11		26		17		9		34.62%
1011 0000	0		00		11		11		0		0.00%
1011 0000	0		01		11		11		0		0.00%
1011 0000	0		10		11		11		0		0.00%
1011 0000	0		11		11		11		0		0.00%
1011 0000	1		00		12		12		0		0.00%
1011 0000	1		01		12		8		4		33.33%
1011 0000	1		10		12		11		1		8.33%
1011 0000	1		11		12		11		1		8.33%
1011 0001	0		00		12		12		0		0.00%
1011 0001	0		01		12		8		4		33.33%
1011 0001	0		10		12		11		1		8.33%

1011 0001	0		11		12		11		1		8.33%
1011 0001	1		00		13		13		0		0.00%
1011 0001	1		01		13		9		4		30.77%
1011 0001	1		10		13		11		2		15.38%
1011 0001	1		11		13		11		2		15.38%
1011 0010	0		00		13		13		0		0.00%
1011 0010	0		01		13		9		4		30.77%
1011 0010	0		10		13		13		0		0.00%
1011 0010	0		11		13		13		0		0.00%
1011 0010	1		00		14		14		0		0.00%
1011 0010	1		01		14		10		4		28.57%
1011 0010	1		10		14		13		1		7.14%
1011 0010	1		11		14		13		1		7.14%
1011 0011	0		00		14		14		0		0.00%
1011 0011	0		01		14		10		4		28.57%
1011 0011	0		10		14		13		1		7.14%
1011 0011	0		11		14		13		1		7.14%
1011 0011	1		00		15		15		0		0.00%
1011 0011	1		01		15		11		4		26.67%
1011 0011	1		10		15		13		2		13.33%
1011 0011	1		11		15		13		2		13.33%
1011 0100	0		00		15		15		0		0.00%
1011 0100	0		01		15		15		0		0.00%
1011 0100	0		10		15		15		0		0.00%
1011 0100	0		11		15		15		0		0.00%
1011 0100	1		00		16		16		0		0.00%
1011 0100	1		01		16		12		4		25.00%
1011 0100	1		10		16		15		1		6.25%
1011 0100	1		11		16		15		1		6.25%
1011 0101	0		00		16		16		0		0.00%
1011 0101	0		01		16		12		4		25.00%
1011 0101	0		10		16		15		1		6.25%
1011 0101	0		11		16		15		1		6.25%
1011 0101	1		00		17		17		0		0.00%
1011 0101	1		01		17		13		4		23.53%
1011 0101	1		10		17		15		2		11.76%
1011 0101	1		11		17		15		2		11.76%
1011 0110	0		00		17		17		0		0.00%
1011 0110	0		01		17		13		4		23.53%
1011 0110	0		10		17		17		0		0.00%
1011 0110	0		11		17		9		8		47.06%
1011 0110	1		00		18		18		0		0.00%
1011 0110	1		01		18		14		4		22.22%
1011 0110	1		10		18		17		1		5.56%
1011 0110	1		11		18		9		9		50.00%
1011 0111	0		00		18		18		0		0.00%

1011 0111	0		01		18		14		4		22.22%
1011 0111	0		10		18		17		1		5.56%
1011 0111	0		11		18		9		9		50.00%
1011 0111	1		00		19		19		0		0.00%
1011 0111	1		01		19		15		4		21.05%
1011 0111	1		10		19		17		2		10.53%
1011 0111	1		11		19		9		10		52.63%
1011 1000	0		00		19		19		0		0.00%
1011 1000	0		01		19		3		16		84.21%
1011 1000	0		10		19		19		0		0.00%
1011 1000	0		11		19		19		0		0.00%
1011 1000	1		00		20		20		0		0.00%
1011 1000	1		01		20		0		20		100.00%
1011 1000	1		10		20		19		1		5.00%
1011 1000	1		11		20		19		1		5.00%
1011 1001	0		00		20		20		0		0.00%
1011 1001	0		01		20		0		20		100.00%
1011 1001	0		10		20		19		1		5.00%
1011 1001	0		11		20		19		1		5.00%
1011 1001	1		00		21		21		0		0.00%
1011 1001	1		01		21		1		20		95.24%
1011 1001	1		10		21		19		2		9.52%
1011 1001	1		11		21		19		2		9.52%
1011 1010	0		00		21		21		0		0.00%
1011 1010	0		01		21		1		20		95.24%
1011 1010	0		10		21		21		0		0.00%
1011 1010	0		11		21		21		0		0.00%
1011 1010	1		00		22		22		0		0.00%
1011 1010	1		01		22		2		20		90.91%
1011 1010	1		10		22		21		1		4.55%
1011 1010	1		11		22		21		1		4.55%
1011 1011	0		00		22		22		0		0.00%
1011 1011	0		01		22		2		20		90.91%
1011 1011	0		10		22		21		1		4.55%
1011 1011	0		11		22		21		1		4.55%
1011 1011	1		00		23		23		0		0.00%
1011 1011	1		01		23		3		20		86.96%
1011 1011	1		10		23		21		2		8.70%
1011 1011	1		11		23		21		2		8.70%
1011 1100	0		00		23		23		0		0.00%
1011 1100	0		01		23		7		16		69.57%
1011 1100	0		10		23		23		0		0.00%
1011 1100	0		11		23		23		0		0.00%
1011 1100	1		00		24		24		0		0.00%
1011 1100	1		01		24		4		20		83.33%
1011 1100	1		10		24		23		1		4.17%

1011 1100	1		11		24		23		1		4.17%
1011 1101	0		00		24		24		0		0.00%
1011 1101	0		01		24		4		20		83.33%
1011 1101	0		10		24		23		1		4.17%
1011 1101	0		11		24		23		1		4.17%
1011 1101	1		00		25		25		0		0.00%
1011 1101	1		01		25		5		20		80.00%
1011 1101	1		10		25		23		2		8.00%
1011 1101	1		11		25		23		2		8.00%
1011 1110	0		00		25		25		0		0.00%
1011 1110	0		01		25		5		20		80.00%
1011 1110	0		10		25		25		0		0.00%
1011 1110	0		11		25		17		8		32.00%
1011 1110	1		00		26		26		0		0.00%
1011 1110	1		01		26		6		20		76.92%
1011 1110	1		10		26		25		1		3.85%
1011 1110	1		11		26		17		9		34.62%
1011 1111	0		00		26		26		0		0.00%
1011 1111	0		01		26		6		20		76.92%
1011 1111	0		10		26		25		1		3.85%
1011 1111	0		11		26		17		9		34.62%
1011 1111	1		00		27		27		0		0.00%
1011 1111	1		01		27		7		20		74.07%
1011 1111	1		10		27		25		2		7.41%
1011 1111	1		11		27		17		10		37.04%
1100 0000	0		00		12		12		0		0.00%
1100 0000	0		01		12		12		0		0.00%
1100 0000	0		10		12		12		0		0.00%
1100 0000	0		11		12		12		0		0.00%
1100 0000	1		00		13		13		0		0.00%
1100 0000	1		01		13		13		0		0.00%
1100 0000	1		10		13		12		1		7.69%
1100 0000	1		11		13		12		1		7.69%
1100 0001	0		00		13		13		0		0.00%
1100 0001	0		01		13		13		0		0.00%
1100 0001	0		10		13		13		0		0.00%
1100 0001	0		11		13		13		0		0.00%
1100 0001	1		00		14		14		0		0.00%
1100 0001	1		01		14		14		0		0.00%
1100 0001	1		10		14		13		1		7.14%
1100 0001	1		11		14		13		1		7.14%
1100 0010	0		00		14		14		0		0.00%
1100 0010	0		01		14		14		0		0.00%
1100 0010	0		10		14		14		0		0.00%
1100 0010	0		11		14		14		0		0.00%
1100 0010	1		00		15		15		0		0.00%

1100 0010	1		01		15		15		0		0.00%
1100 0010	1		10		15		14		1		6.67%
1100 0010	1		11		15		14		1		6.67%
1100 0011	0		00		15		15		0		0.00%
1100 0011	0		01		15		15		0		0.00%
1100 0011	0		10		15		15		0		0.00%
1100 0011	0		11		15		15		0		0.00%
1100 0011	1		00		16		16		0		0.00%
1100 0011	1		01		16		12		4		25.00%
1100 0011	1		10		16		15		1		6.25%
1100 0011	1		11		16		15		1		6.25%
1100 0100	0		00		16		16		0		0.00%
1100 0100	0		01		16		8		8		50.00%
1100 0100	0		10		16		16		0		0.00%
1100 0100	0		11		16		16		0		0.00%
1100 0100	1		00		17		17		0		0.00%
1100 0100	1		01		17		9		8		47.06%
1100 0100	1		10		17		16		1		5.88%
1100 0100	1		11		17		16		1		5.88%
1100 0101	0		00		17		17		0		0.00%
1100 0101	0		01		17		9		8		47.06%
1100 0101	0		10		17		17		0		0.00%
1100 0101	0		11		17		17		0		0.00%
1100 0101	1		00		18		18		0		0.00%
1100 0101	1		01		18		10		8		44.44%
1100 0101	1		10		18		17		1		5.56%
1100 0101	1		11		18		17		1		5.56%
1100 0110	0		00		18		18		0		0.00%
1100 0110	0		01		18		10		8		44.44%
1100 0110	0		10		18		18		0		0.00%
1100 0110	0		11		18		18		0		0.00%
1100 0110	1		00		19		19		0		0.00%
1100 0110	1		01		19		11		8		42.11%
1100 0110	1		10		19		18		1		5.26%
1100 0110	1		11		19		18		1		5.26%
1100 0111	0		00		19		19		0		0.00%
1100 0111	0		01		19		11		8		42.11%
1100 0111	0		10		19		19		0		0.00%
1100 0111	0		11		19		19		0		0.00%
1100 0111	1		00		20		20		0		0.00%
1100 0111	1		01		20		8		12		60.00%
1100 0111	1		10		20		19		1		5.00%
1100 0111	1		11		20		19		1		5.00%
1100 1000	0		00		20		20		0		0.00%
1100 1000	0		01		20		4		16		80.00%
1100 1000	0		10		20		20		0		0.00%

1100 1000	0		11		20		20		0		0.00%
1100 1000	1		00		21		21		0		0.00%
1100 1000	1		01		21		5		16		76.19%
1100 1000	1		10		21		20		1		4.76%
1100 1000	1		11		21		20		1		4.76%
1100 1001	0		00		21		21		0		0.00%
1100 1001	0		01		21		5		16		76.19%
1100 1001	0		10		21		21		0		0.00%
1100 1001	0		11		21		21		0		0.00%
1100 1001	1		00		22		22		0		0.00%
1100 1001	1		01		22		6		16		72.73%
1100 1001	1		10		22		21		1		4.55%
1100 1001	1		11		22		21		1		4.55%
1100 1010	0		00		22		22		0		0.00%
1100 1010	0		01		22		6		16		72.73%
1100 1010	0		10		22		22		0		0.00%
1100 1010	0		11		22		22		0		0.00%
1100 1010	1		00		23		23		0		0.00%
1100 1010	1		01		23		7		16		69.57%
1100 1010	1		10		23		22		1		4.35%
1100 1010	1		11		23		22		1		4.35%
1100 1011	0		00		23		23		0		0.00%
1100 1011	0		01		23		7		16		69.57%
1100 1011	0		10		23		23		0		0.00%
1100 1011	0		11		23		23		0		0.00%
1100 1011	1		00		24		24		0		0.00%
1100 1011	1		01		24		4		20		83.33%
1100 1011	1		10		24		23		1		4.17%
1100 1011	1		11		24		23		1		4.17%
1100 1100	0		00		24		24		0		0.00%
1100 1100	0		01		24		0		24		100.00%
1100 1100	0		10		24		24		0		0.00%
1100 1100	0		11		24		24		0		0.00%
1100 1100	1		00		25		25		0		0.00%
1100 1100	1		01		25		1		24		96.00%
1100 1100	1		10		25		24		1		4.00%
1100 1100	1		11		25		24		1		4.00%
1100 1101	0		00		25		25		0		0.00%
1100 1101	0		01		25		1		24		96.00%
1100 1101	0		10		25		25		0		0.00%
1100 1101	0		11		25		25		0		0.00%
1100 1101	1		00		26		26		0		0.00%
1100 1101	1		01		26		2		24		92.31%
1100 1101	1		10		26		25		1		3.85%
1100 1101	1		11		26		25		1		3.85%
1100 1110	0		00		26		26		0		0.00%

1100 1110	0		01		26		2		24		92.31%
1100 1110	0		10		26		26		0		0.00%
1100 1110	0		11		26		26		0		0.00%
1100 1110	1		00		27		27		0		0.00%
1100 1110	1		01		27		3		24		88.89%
1100 1110	1		10		27		26		1		3.70%
1100 1110	1		11		27		26		1		3.70%
1100 1111	0		00		27		27		0		0.00%
1100 1111	0		01		27		3		24		88.89%
1100 1111	0		10		27		27		0		0.00%
1100 1111	0		11		27		27		0		0.00%
1100 1111	1		00		28		28		0		0.00%
1100 1111	1		01		28		0		28		100.00%
1100 1111	1		10		28		27		1		3.57%
1100 1111	1		11		28		27		1		3.57%
1101 0000	0		00		13		13		0		0.00%
1101 0000	0		01		13		13		0		0.00%
1101 0000	0		10		13		13		0		0.00%
1101 0000	0		11		13		13		0		0.00%
1101 0000	1		00		14		14		0		0.00%
1101 0000	1		01		14		14		0		0.00%
1101 0000	1		10		14		13		1		7.14%
1101 0000	1		11		14		13		1		7.14%
1101 0001	0		00		14		14		0		0.00%
1101 0001	0		01		14		14		0		0.00%
1101 0001	0		10		14		13		1		7.14%
1101 0001	0		11		14		13		1		7.14%
1101 0001	1		00		15		15		0		0.00%
1101 0001	1		01		15		15		0		0.00%
1101 0001	1		10		15		13		2		13.33%
1101 0001	1		11		15		13		2		13.33%
1101 0010	0		00		15		15		0		0.00%
1101 0010	0		01		15		15		0		0.00%
1101 0010	0		10		15		15		0		0.00%
1101 0010	0		11		15		15		0		0.00%
1101 0010	1		00		16		16		0		0.00%
1101 0010	1		01		16		12		4		25.00%
1101 0010	1		10		16		15		1		6.25%
1101 0010	1		11		16		15		1		6.25%
1101 0011	0		00		16		16		0		0.00%
1101 0011	0		01		16		12		4		25.00%
1101 0011	0		10		16		15		1		6.25%
1101 0011	0		11		16		15		1		6.25%
1101 0011	1		00		17		17		0		0.00%
1101 0011	1		01		17		13		4		23.53%
1101 0011	1		10		17		15		2		11.76%

1101 0011	1		11		17		15		2		11.76%
1101 0100	0		00		17		17		0		0.00%
1101 0100	0		01		17		9		8		47.06%
1101 0100	0		10		17		17		0		0.00%
1101 0100	0		11		17		17		0		0.00%
1101 0100	1		00		18		18		0		0.00%
1101 0100	1		01		18		10		8		44.44%
1101 0100	1		10		18		17		1		5.56%
1101 0100	1		11		18		17		1		5.56%
1101 0101	0		00		18		18		0		0.00%
1101 0101	0		01		18		10		8		44.44%
1101 0101	0		10		18		17		1		5.56%
1101 0101	0		11		18		17		1		5.56%
1101 0101	1		00		19		19		0		0.00%
1101 0101	1		01		19		11		8		42.11%
1101 0101	1		10		19		17		2		10.53%
1101 0101	1		11		19		17		2		10.53%
1101 0110	0		00		19		19		0		0.00%
1101 0110	0		01		19		11		8		42.11%
1101 0110	0		10		19		19		0		0.00%
1101 0110	0		11		19		19		0		0.00%
1101 0110	1		00		20		20		0		0.00%
1101 0110	1		01		20		8		12		60.00%
1101 0110	1		10		20		19		1		5.00%
1101 0110	1		11		20		19		1		5.00%
1101 0111	0		00		20		20		0		0.00%
1101 0111	0		01		20		8		12		60.00%
1101 0111	0		10		20		19		1		5.00%
1101 0111	0		11		20		19		1		5.00%
1101 0111	1		00		21		21		0		0.00%
1101 0111	1		01		21		9		12		57.14%
1101 0111	1		10		21		19		2		9.52%
1101 0111	1		11		21		19		2		9.52%
1101 1000	0		00		21		21		0		0.00%
1101 1000	0		01		21		5		16		76.19%
1101 1000	0		10		21		21		0		0.00%
1101 1000	0		11		21		21		0		0.00%
1101 1000	1		00		22		22		0		0.00%
1101 1000	1		01		22		6		16		72.73%
1101 1000	1		10		22		21		1		4.55%
1101 1000	1		11		22		21		1		4.55%
1101 1001	0		00		22		22		0		0.00%
1101 1001	0		01		22		6		16		72.73%
1101 1001	0		10		22		21		1		4.55%
1101 1001	0		11		22		21		1		4.55%
1101 1001	1		00		23		23		0		0.00%

1101 1001	1		01		23		7		16		69.57%
1101 1001	1		10		23		21		2		8.70%
1101 1001	1		11		23		21		2		8.70%
1101 1010	0		00		23		23		0		0.00%
1101 1010	0		01		23		7		16		69.57%
1101 1010	0		10		23		23		0		0.00%
1101 1010	0		11		23		23		0		0.00%
1101 1010	1		00		24		24		0		0.00%
1101 1010	1		01		24		4		20		83.33%
1101 1010	1		10		24		23		1		4.17%
1101 1010	1		11		24		23		1		4.17%
1101 1011	0		00		24		24		0		0.00%
1101 1011	0		01		24		4		20		83.33%
1101 1011	0		10		24		23		1		4.17%
1101 1011	0		11		24		23		1		4.17%
1101 1011	1		00		25		25		0		0.00%
1101 1011	1		01		25		5		20		80.00%
1101 1011	1		10		25		23		2		8.00%
1101 1011	1		11		25		23		2		8.00%
1101 1100	0		00		25		25		0		0.00%
1101 1100	0		01		25		1		24		96.00%
1101 1100	0		10		25		25		0		0.00%
1101 1100	0		11		25		25		0		0.00%
1101 1100	1		00		26		26		0		0.00%
1101 1100	1		01		26		2		24		92.31%
1101 1100	1		10		26		25		1		3.85%
1101 1100	1		11		26		25		1		3.85%
1101 1101	0		00		26		26		0		0.00%
1101 1101	0		01		26		2		24		92.31%
1101 1101	0		10		26		25		1		3.85%
1101 1101	0		11		26		25		1		3.85%
1101 1101	1		00		27		27		0		0.00%
1101 1101	1		01		27		3		24		88.89%
1101 1101	1		10		27		25		2		7.41%
1101 1101	1		11		27		25		2		7.41%
1101 1110	0		00		27		27		0		0.00%
1101 1110	0		01		27		3		24		88.89%
1101 1110	0		10		27		27		0		0.00%
1101 1110	0		11		27		27		0		0.00%
1101 1110	1		00		28		28		0		0.00%
1101 1110	1		01		28		0		28		100.00%
1101 1110	1		10		28		27		1		3.57%
1101 1110	1		11		28		27		1		3.57%
1101 1111	0		00		28		28		0		0.00%
1101 1111	0		01		28		0		28		100.00%
1101 1111	0		10		28		27		1		3.57%

1101 1111	0 11	28	27	1	3.57%
1101 1111	1 00	29	29	0	0.00%
1101 1111	1 01	29	1	28	96.55%
1101 1111	1 10	29	27	2	6.90%
1101 1111	1 11	29	27	2	6.90%
1110 0000	0 00	14	14	0	0.00%
1110 0000	0 01	14	14	0	0.00%
1110 0000	0 10	14	14	0	0.00%
1110 0000	0 11	14	14	0	0.00%
1110 0000	1 00	15	15	0	0.00%
1110 0000	1 01	15	15	0	0.00%
1110 0000	1 10	15	14	1	6.67%
1110 0000	1 11	15	14	1	6.67%
1110 0001	0 00	15	15	0	0.00%
1110 0001	0 01	15	15	0	0.00%
1110 0001	0 10	15	15	0	0.00%
1110 0001	0 11	15	15	0	0.00%
1110 0001	1 00	16	16	0	0.00%
1110 0001	1 01	16	12	4	25.00%
1110 0001	1 10	16	15	1	6.25%
1110 0001	1 11	16	15	1	6.25%
1110 0010	0 00	16	16	0	0.00%
1110 0010	0 01	16	12	4	25.00%
1110 0010	0 10	16	16	0	0.00%
1110 0010	0 11	16	8	8	50.00%
1110 0010	1 00	17	17	0	0.00%
1110 0010	1 01	17	13	4	23.53%
1110 0010	1 10	17	16	1	5.88%
1110 0010	1 11	17	8	9	52.94%
1110 0011	0 00	17	17	0	0.00%
1110 0011	0 01	17	13	4	23.53%
1110 0011	0 10	17	17	0	0.00%
1110 0011	0 11	17	9	8	47.06%
1110 0011	1 00	18	18	0	0.00%
1110 0011	1 01	18	14	4	22.22%
1110 0011	1 10	18	17	1	5.56%
1110 0011	1 11	18	9	9	50.00%
1110 0100	0 00	18	18	0	0.00%
1110 0100	0 01	18	10	8	44.44%
1110 0100	0 10	18	18	0	0.00%
1110 0100	0 11	18	18	0	0.00%
1110 0100	1 00	19	19	0	0.00%
1110 0100	1 01	19	11	8	42.11%
1110 0100	1 10	19	18	1	5.26%
1110 0100	1 11	19	18	1	5.26%
1110 0101	0 00	19	19	0	0.00%

1110 0101	0		01		19		11		8		42.11%
1110 0101	0		10		19		19		0		0.00%
1110 0101	0		11		19		19		0		0.00%
1110 0101	1		00		20		20		0		0.00%
1110 0101	1		01		20		8		12		60.00%
1110 0101	1		10		20		19		1		5.00%
1110 0101	1		11		20		19		1		5.00%
1110 0110	0		00		20		20		0		0.00%
1110 0110	0		01		20		8		12		60.00%
1110 0110	0		10		20		20		0		0.00%
1110 0110	0		11		20		20		0		0.00%
1110 0110	1		00		21		21		0		0.00%
1110 0110	1		01		21		9		12		57.14%
1110 0110	1		10		21		20		1		4.76%
1110 0110	1		11		21		20		1		4.76%
1110 0111	0		00		21		21		0		0.00%
1110 0111	0		01		21		9		12		57.14%
1110 0111	0		10		21		21		0		0.00%
1110 0111	0		11		21		21		0		0.00%
1110 0111	1		00		22		22		0		0.00%
1110 0111	1		01		22		10		12		54.55%
1110 0111	1		10		22		21		1		4.55%
1110 0111	1		11		22		21		1		4.55%
1110 1000	0		00		22		22		0		0.00%
1110 1000	0		01		22		6		16		72.73%
1110 1000	0		10		22		22		0		0.00%
1110 1000	0		11		22		22		0		0.00%
1110 1000	1		00		23		23		0		0.00%
1110 1000	1		01		23		7		16		69.57%
1110 1000	1		10		23		22		1		4.35%
1110 1000	1		11		23		22		1		4.35%
1110 1001	0		00		23		23		0		0.00%
1110 1001	0		01		23		7		16		69.57%
1110 1001	0		10		23		23		0		0.00%
1110 1001	0		11		23		23		0		0.00%
1110 1001	1		00		24		24		0		0.00%
1110 1001	1		01		24		4		20		83.33%
1110 1001	1		10		24		23		1		4.17%
1110 1001	1		11		24		23		1		4.17%
1110 1010	0		00		24		24		0		0.00%
1110 1010	0		01		24		4		20		83.33%
1110 1010	0		10		24		24		0		0.00%
1110 1010	0		11		24		16		8		33.33%
1110 1010	1		00		25		25		0		0.00%
1110 1010	1		01		25		5		20		80.00%
1110 1010	1		10		25		24		1		4.00%

1110 1010	1		11		25		16		9		36.00%
1110 1011	0		00		25		25		0		0.00%
1110 1011	0		01		25		5		20		80.00%
1110 1011	0		10		25		25		0		0.00%
1110 1011	0		11		25		17		8		32.00%
1110 1011	1		00		26		26		0		0.00%
1110 1011	1		01		26		6		20		76.92%
1110 1011	1		10		26		25		1		3.85%
1110 1011	1		11		26		17		9		34.62%
1110 1100	0		00		26		26		0		0.00%
1110 1100	0		01		26		2		24		92.31%
1110 1100	0		10		26		26		0		0.00%
1110 1100	0		11		26		26		0		0.00%
1110 1100	1		00		27		27		0		0.00%
1110 1100	1		01		27		3		24		88.89%
1110 1100	1		10		27		26		1		3.70%
1110 1100	1		11		27		26		1		3.70%
1110 1101	0		00		27		27		0		0.00%
1110 1101	0		01		27		3		24		88.89%
1110 1101	0		10		27		27		0		0.00%
1110 1101	0		11		27		27		0		0.00%
1110 1101	1		00		28		28		0		0.00%
1110 1101	1		01		28		0		28		100.00%
1110 1101	1		10		28		27		1		3.57%
1110 1101	1		11		28		27		1		3.57%
1110 1110	0		00		28		28		0		0.00%
1110 1110	0		01		28		0		28		100.00%
1110 1110	0		10		28		28		0		0.00%
1110 1110	0		11		28		28		0		0.00%
1110 1110	1		00		29		29		0		0.00%
1110 1110	1		01		29		1		28		96.55%
1110 1110	1		10		29		28		1		3.45%
1110 1110	1		11		29		28		1		3.45%
1110 1111	0		00		29		29		0		0.00%
1110 1111	0		01		29		1		28		96.55%
1110 1111	0		10		29		29		0		0.00%
1110 1111	0		11		29		29		0		0.00%
1110 1111	1		00		30		30		0		0.00%
1110 1111	1		01		30		2		28		93.33%
1110 1111	1		10		30		29		1		3.33%
1110 1111	1		11		30		29		1		3.33%
1111 0000	0		00		15		15		0		0.00%
1111 0000	0		01		15		15		0		0.00%
1111 0000	0		10		15		15		0		0.00%
1111 0000	0		11		15		15		0		0.00%
1111 0000	1		00		16		16		0		0.00%

1111 0000	1		01		16		12		4		25.00%
1111 0000	1		10		16		15		1		6.25%
1111 0000	1		11		16		15		1		6.25%
1111 0001	0		00		16		16		0		0.00%
1111 0001	0		01		16		12		4		25.00%
1111 0001	0		10		16		15		1		6.25%
1111 0001	0		11		16		15		1		6.25%
1111 0001	1		00		17		17		0		0.00%
1111 0001	1		01		17		13		4		23.53%
1111 0001	1		10		17		15		2		11.76%
1111 0001	1		11		17		15		2		11.76%
1111 0010	0		00		17		17		0		0.00%
1111 0010	0		01		17		13		4		23.53%
1111 0010	0		10		17		17		0		0.00%
1111 0010	0		11		17		9		8		47.06%
1111 0010	1		00		18		18		0		0.00%
1111 0010	1		01		18		14		4		22.22%
1111 0010	1		10		18		17		1		5.56%
1111 0010	1		11		18		9		9		50.00%
1111 0011	0		00		18		18		0		0.00%
1111 0011	0		01		18		14		4		22.22%
1111 0011	0		10		18		17		1		5.56%
1111 0011	0		11		18		9		9		50.00%
1111 0011	1		00		19		19		0		0.00%
1111 0011	1		01		19		15		4		21.05%
1111 0011	1		10		19		17		2		10.53%
1111 0011	1		11		19		9		10		52.63%
1111 0100	0		00		19		19		0		0.00%
1111 0100	0		01		19		11		8		42.11%
1111 0100	0		10		19		19		0		0.00%
1111 0100	0		11		19		19		0		0.00%
1111 0100	1		00		20		20		0		0.00%
1111 0100	1		01		20		8		12		60.00%
1111 0100	1		10		20		19		1		5.00%
1111 0100	1		11		20		19		1		5.00%
1111 0101	0		00		20		20		0		0.00%
1111 0101	0		01		20		8		12		60.00%
1111 0101	0		10		20		19		1		5.00%
1111 0101	0		11		20		19		1		5.00%
1111 0101	1		00		21		21		0		0.00%
1111 0101	1		01		21		9		12		57.14%
1111 0101	1		10		21		19		2		9.52%
1111 0101	1		11		21		19		2		9.52%
1111 0110	0		00		21		21		0		0.00%
1111 0110	0		01		21		9		12		57.14%
1111 0110	0		10		21		21		0		0.00%

1111 0110	0		11		21		21		0		0.00%
1111 0110	1		00		22		22		0		0.00%
1111 0110	1		01		22		10		12		54.55%
1111 0110	1		10		22		21		1		4.55%
1111 0110	1		11		22		21		1		4.55%
1111 0111	0		00		22		22		0		0.00%
1111 0111	0		01		22		10		12		54.55%
1111 0111	0		10		22		21		1		4.55%
1111 0111	0		11		22		21		1		4.55%
1111 0111	1		00		23		23		0		0.00%
1111 0111	1		01		23		11		12		52.17%
1111 0111	1		10		23		21		2		8.70%
1111 0111	1		11		23		21		2		8.70%
1111 1000	0		00		23		23		0		0.00%
1111 1000	0		01		23		7		16		69.57%
1111 1000	0		10		23		23		0		0.00%
1111 1000	0		11		23		23		0		0.00%
1111 1000	1		00		24		24		0		0.00%
1111 1000	1		01		24		4		20		83.33%
1111 1000	1		10		24		23		1		4.17%
1111 1000	1		11		24		23		1		4.17%
1111 1001	0		00		24		24		0		0.00%
1111 1001	0		01		24		4		20		83.33%
1111 1001	0		10		24		23		1		4.17%
1111 1001	0		11		24		23		1		4.17%
1111 1001	1		00		25		25		0		0.00%
1111 1001	1		01		25		5		20		80.00%
1111 1001	1		10		25		23		2		8.00%
1111 1001	1		11		25		23		2		8.00%
1111 1010	0		00		25		25		0		0.00%
1111 1010	0		01		25		5		20		80.00%
1111 1010	0		10		25		25		0		0.00%
1111 1010	0		11		25		17		8		32.00%
1111 1010	1		00		26		26		0		0.00%
1111 1010	1		01		26		6		20		76.92%
1111 1010	1		10		26		25		1		3.85%
1111 1010	1		11		26		17		9		34.62%
1111 1011	0		00		26		26		0		0.00%
1111 1011	0		01		26		6		20		76.92%
1111 1011	0		10		26		25		1		3.85%
1111 1011	0		11		26		17		9		34.62%
1111 1011	1		00		27		27		0		0.00%
1111 1011	1		01		27		7		20		74.07%
1111 1011	1		10		27		25		2		7.41%
1111 1011	1		11		27		17		10		37.04%
1111 1100	0		00		27		27		0		0.00%

1111 1100	0	01		27		3		24		88.89%
1111 1100	0	10		27		27		0		0.00%
1111 1100	0	11		27		27		0		0.00%
1111 1100	1	00		28		28		0		0.00%
1111 1100	1	01		28		0		28		100.00%
1111 1100	1	10		28		27		1		3.57%
1111 1100	1	11		28		27		1		3.57%
1111 1101	0	00		28		28		0		0.00%
1111 1101	0	01		28		0		28		100.00%
1111 1101	0	10		28		27		1		3.57%
1111 1101	0	11		28		27		1		3.57%
1111 1101	1	00		29		29		0		0.00%
1111 1101	1	01		29		1		28		96.55%
1111 1101	1	10		29		27		2		6.90%
1111 1101	1	11		29		27		2		6.90%
1111 1110	0	00		29		29		0		0.00%
1111 1110	0	01		29		1		28		96.55%
1111 1110	0	10		29		29		0		0.00%
1111 1110	0	11		29		29		0		0.00%
1111 1110	1	00		30		30		0		0.00%
1111 1110	1	01		30		2		28		93.33%
1111 1110	1	10		30		29		1		3.33%
1111 1110	1	11		30		29		1		3.33%
1111 1111	0	00		30		30		0		0.00%
1111 1111	0	01		30		2		28		93.33%
1111 1111	0	10		30		29		1		3.33%
1111 1111	0	11		30		29		1		3.33%
1111 1111	1	00		31		31		0		0.00%
1111 1111	1	01		31		3		28		90.32%
1111 1111	1	10		31		29		2		6.45%
1111 1111	1	11		31		29		2		6.45%

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Simulation complete via \$finish(1) at time 2048 NS + 0

./tb_dynamic_rca_4bit.v:69 \$finish;

xcelium>