

and	00	01	11
00	00	00	00
01	00	01	01
11	00	01	11

psum	00	01	11
00	11	00	01
01	00	01	11
11	01	11	00

and&01	00	01	01
00	00	00	00
01	00	01	01
01	00	01	01

and&10	00	00	10
00	00	00	00
00	00	00	00
10	00	00	10

and!01	01	01	11
01	01	01	01
01	01	01	01
11	01	01	11

and!10	10	11	11
10	10	10	10
11	10	11	11
11	10	11	11

and^01	01	00	10
01	01	00	00
00	00	00	00
10	00	00	10

and^10	10	11	01
10	10	10	00
11	10	11	01
01	00	01	01

and^11	11	10	00
11	11	10	00
10	10	10	00
00	00	00	00

nand	00	01	11
00	11	11	11
01	11	10	10
11	11	10	00

psum	00	01	11
00	11	00	01
01	00	01	11
11	01	11	00

nand&01	00	01	01
00	11	11	11
01	11	10	10
01	11	10	10

nand&10	00	00	10
00	11	11	11
00	11	11	11
10	11	11	01

nand 01	01	01	11
01	10	10	10
01	10	10	10
11	10	10	00

nand 10	10	11	11
10	01	01	01
11	01	00	00
11	01	00	00

nand^01	01	00	10
01	10	11	11
00	11	11	11
10	11	11	01

nand^10	10	11	01
10	01	01	11
11	01	00	10
01	11	10	10

nand^11	11	10	00
11	00	01	11
10	01	01	11
00	11	11	11

nor	00	01	11
00	11	10	00
01	10	10	00
11	00	00	00

psum	00	01	11
00	11	00	01
01	00	01	11
11	01	11	00

nor&01	00	01	01
00	11	10	10
01	10	10	10
01	10	10	10

nor&10	00	00	10
00	11	11	01
00	11	11	01
10	01	01	01

nor 01	01	01	11
01	10	10	00
01	10	10	00
11	00	00	00

nor 10	10	11	11
10	01	00	00
11	00	00	00
11	00	00	00

nor^01	01	00	10
01	10	10	00
00	10	11	01
10	00	01	01

nor^10	10	11	01
10	01	00	00
11	00	00	00
01	00	00	10

nor^11	11	10	00
11	00	00	00
10	00	01	01
00	00	01	11

or	00	01	11
00	00	01	11
01	01	01	11
11	11	11	11

psum	00	01	11
00	11	00	01
01	00	01	11
11	01	11	00

or&01	00	01	01
00	00	01	01
01	01	01	01
01	01	01	01

or&10	00	00	10
00	00	00	10
00	00	00	10
10	10	10	10

or^01	01	00	10
01	01	01	11
00	01	00	10
10	11	10	10

or^10	10	11	01
10	10	11	11
11	11	11	11
01	11	11	01

or 01	01	01	11
01	01	01	11
01	01	01	11
11	11	11	11

or 10	10	11	11
10	10	11	11
11	11	11	11
11	11	11	11

or^11	11	10	00
11	11	11	11
10	11	10	10
00	11	10	00

xnor	00	01	11
00	11	10	00
01	10	11	01
11	00	01	11

psum	00	01	11
00	11	00	01
01	00	01	11
11	01	11	00

xnor&01	00	01	01
00	11	10	10
01	10	11	11
01	10	11	11

xnor&10	00	00	10
00	11	11	01
00	11	11	01
10	01	01	11

xnor 01	01	01	11
01	11	11	01
01	11	11	01
11	01	01	11

xnor 10	10	11	11
10	11	10	10
11	10	11	11
11	10	11	11

xnor^01	01	00	10
01	11	10	00
00	10	11	01
10	00	01	11

xnor^10	10	11	01
10	11	10	00
11	10	11	01
01	00	01	11

xnor^11	11	10	00
11	11	10	00
10	10	11	01
00	00	01	11

xor	00	01	11
00	00	01	11
01	01	00	10
11	11	10	00

psum	00	01	11
00	11	00	01
01	00	01	11
11	01	11	00

xor&01	00	01	01
00	00	01	01
01	01	00	00
01	01	00	00

xor&10	00	00	10
00	00	00	10
00	00	00	10
10	10	10	00

xor 01	01	01	11
01	00	00	10
01	00	00	10
11	10	10	00

xor 10	10	11	11
10	00	01	01
11	01	00	00
11	01	00	00

xor^01	01	00	10
01	00	01	11
00	01	00	10
10	11	10	00

xor^10	10	11	01
10	00	01	11
11	01	00	10
01	11	10	00

xor^11	11	10	00
11	00	01	11
10	01	00	10
00	11	10	00

