

таблица значений сумматора

A	B	Cin	Cout Sum
N	N	N	NO
N	N	O	NP
N	N	P	ON
N	O	N	NP
N	O	O	ON
N	O	P	OO
N	P	N	ON
N	P	O	OO
N	P	P	OP
O	N	N	NP
O	N	O	ON
O	N	P	OO
O	O	N	ON
O	O	O	OO
O	O	P	OP
O	P	N	OO
O	P	O	OP
O	P	P	PN
P	N	N	ON
P	N	O	OO
P	N	P	OP
P	O	N	OO
P	O	O	OP
P	O	P	PN
P	P	N	OP
P	P	O	PN
P	P	P	PO

A	B	Ci	$\Sigma = (A \oplus B \oplus C_i)$	C _o
-1	-1	-1	0	-1
-1	-1	0	1	-1
-1	-1	1	-1	0
-1	0	-1	1	-1
-1	0	0	-1	0
-1	0	1	0	0
-1	1	-1	-1	0
-1	1	0	0	0
-1	1	1	1	0
0	-1	-1	1	-1
0	-1	0	-1	0
0	-1	1	0	0
0	0	-1	-1	0
0	0	0	0	0
0	0	1	1	0
0	1	-1	0	0
0	1	0	1	0
0	1	1	-1	1
1	-1	-1	-1	0
1	-1	0	0	0
1	-1	1	1	0
1	0	-1	0	0
1	0	0	1	0
1	0	1	-1	1
1	1	-1	1	0
1	1	0	-1	1
1	1	1	0	1