8 bit Adder

1 Bit Adder 2 XOR 3 NAND

8 bit - 8 XOR
12 NAND

truth table

A	B	Cin	Sum	Cout
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1