TABLE 6-2

Full-adder truth table.

\boldsymbol{A}	В	C_{in}	Cout	Σ
0	0	0	0	0
0	O	1	0	1
0	1	0	0	1
0	1	1	1	0
1	O	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	1

 $C_{\rm in}=$ input carry, sometimes designated as CI $C_{\rm out}=$ output carry, sometimes designated as CO $\Sigma=$ sum

A and B = input variables (operands)