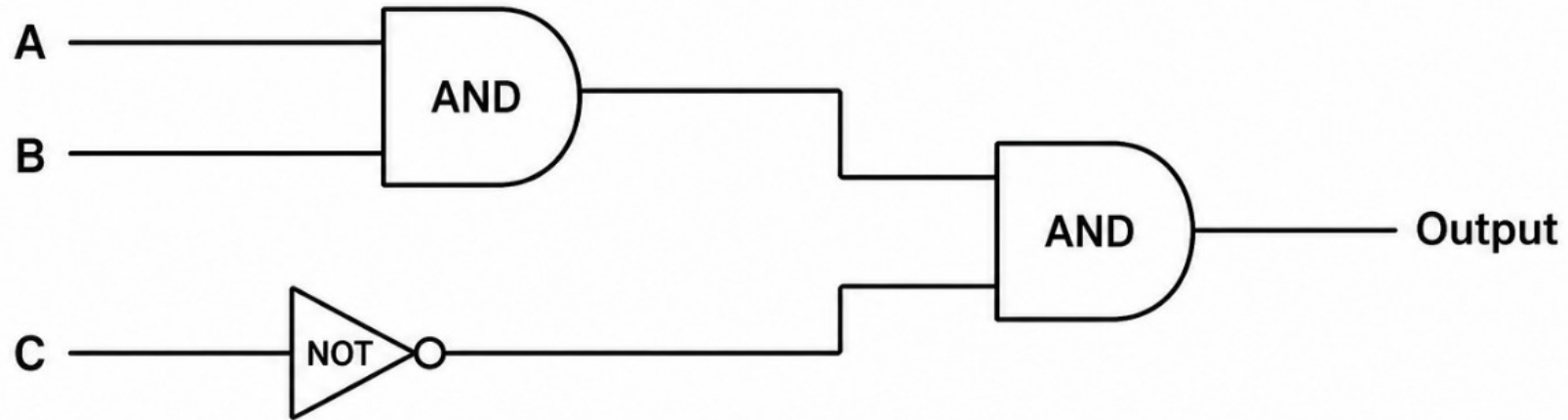




Boolean Expression:

$$\text{Output} = (A \text{ AND } B) \text{ AND } (\text{NOT } C)$$

Simplified:

$$\text{Output} = A \cdot B \cdot C'$$

Explanation:

The output is 1 only when
 $A = 1$, $B = 1$, and $C = 0$.

A	B	C	NOT C	A AND B	Output
0	0	0	1	0	0
0	0	1	0	0	0
0	1	0	1	0	0
0	1	1	0	0	0
1	0	0	1	0	0
1	0	1	0	0	0
1	1	0	1	1	1
1	1	1	0	1	0