MITx 6.004.1x
Computation Structures 1: Digital Circuits

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LE4.4

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LE4.4.1: Logic Simplification

10/10 points (ungraded)
Use logic simplification to solve the following problems.

$a + 1 =$ `1` ✔

$a + 0 =$ `a` ✔

$a \cdot 0 =$ `0` ✔

$a \cdot 1 =$ `a` ✔

$a + a =$ `a` ✔

$a \cdot a =$ `a` ✔

$a + \overline{a} =$ `1` ✔

$a \cdot \overline{a} =$ `0` ✔

$a + ab =$ `a` ✔

$(a + b)(a + c) =$ `a + bc` ✔

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