## Comparison to logic

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# Comparison to logic

- Can replicate logic gates with nodes
- Can compute any boolean logic statement with neural network

$a_0 = -1$
$W_0 = 1.5$
$W_1 = 1$
$W_2 = 1$
**AND**

$a_0 = -1$
$W_0 = 0.5$
$W_1 = 1$
$W_2 = 1$
**OR**

$a_0 = -1$
$W_0 = -0.5$
$W_1 = -1$
**NOT**