

| Inputs |     | Output      |
|--------|-----|-------------|
| $x$    | $y$ | $x$ AND $y$ |
| 1      | 1   | 1           |
| 1      | 0   | 0           |
| 0      | 1   | 0           |
| 0      | 0   | 0           |



| Inputs |     | Output      |
|--------|-----|-------------|
| $x$    | $y$ | $x$ XOR $y$ |
| 1      | 1   | 0           |
| 1      | 0   | 1           |
| 0      | 1   | 1           |
| 0      | 0   | 0           |



| Input | Output  |
|-------|---------|
| $x$   | NOT $x$ |
| 1     | 0       |
| 0     | 1       |

