

## Multiplexers

Select one of several inputs as output.
$2^{n}$ data inputs


MUX + voltage source $=$ truth table


Build a 2-to-1 MUX from gates
If $S=0$, then $F=D_{0}$.
If $S=1$, then $F=D_{1}$.

1. Construct the truth table.

2. Build the circuit.
