What is a digital inverter? How are its input and output voltages related to one another?

V_{out} versus V_{in}

State	Input	Output
I	Low	High
II	High	Low
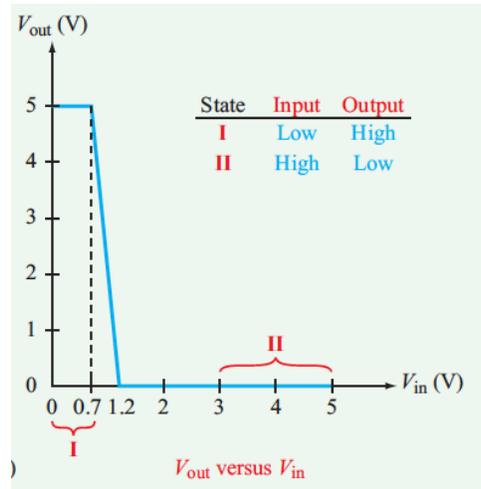
A digital inverter converts a high voltage (representing digital 1) into a low voltage (representing digital 0), and vice versa.