

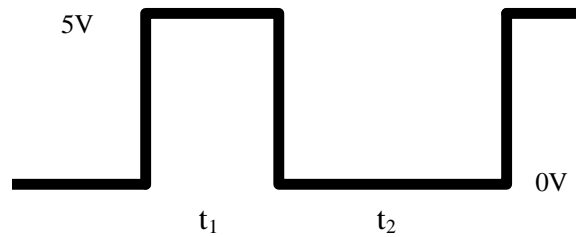
Practical Quiz #6
Digital Logic Gates

Obtain a protoboard from a TA or instructor. What is the number on the protoboard? ____

The board contains a logic gate. The gate is wired as follows:

- V_{CC} = red
- Ground = black
- Inputs = orange
- Outputs = green

Construct the truth table for this gate using the function generator output like the one you obtained in practical #1 for one of the inputs. Get your time constants t_1 and t_2 from a TA or instructor. These times are in tenths of seconds (e.g. 0.1, 0.2, 0.3, 0.4 seconds). The method for generating the truth table is described in Experiment 10.



Using the truth table, identify the gate.

Show your results to a TA or instructor and have them sign this sheet below.