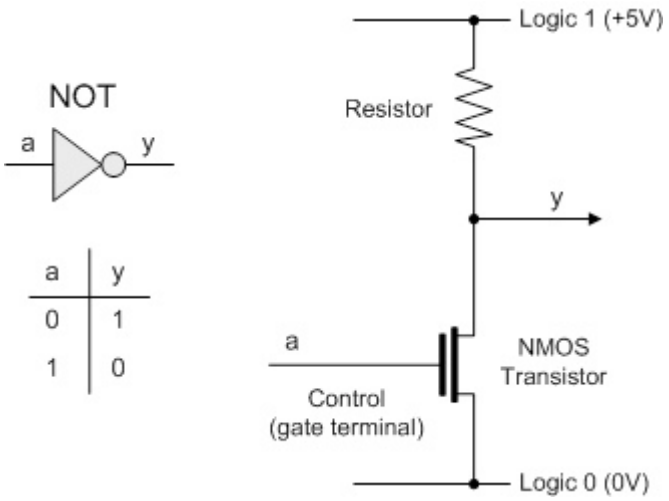
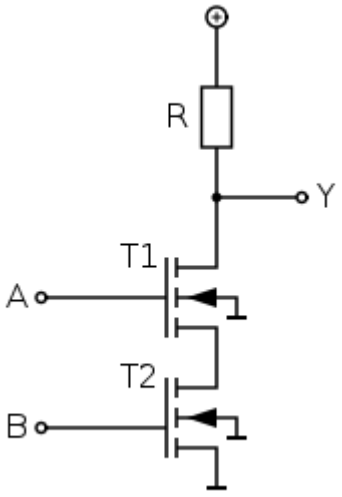
# ***CS1025 Laboratory Experiment 5:***

1) Connect the inverter circuit shown in the following diagram:




Use the 2N7000 E-MOSFET and a 1K resistor. Connect a LED at the output. Note the input and output voltages and verify the truth table.

2) Connect the following circuit:




The resistor is 1K and again connect a LED across the output. Note the input and output voltages. Determine the truth table for the circuit and identify the circuit. What happens if one increases the value of the resistor to say 5K?

# ***Laboratory Report:***

Reports should be handed up at the subsequent laboratory session for your group.
Your name, group number and the date should be clearly indicated on the cover page.
The report should be written with a pen and be neat and concise (use a ruler for the circuit diagrams and tables). Explanations should be brief but complete.
Students should note that ~25% of marks are awarded for presentation, ~75% for explanation and interpretation of results.
This report should be written on A4 paper – duly bound.