

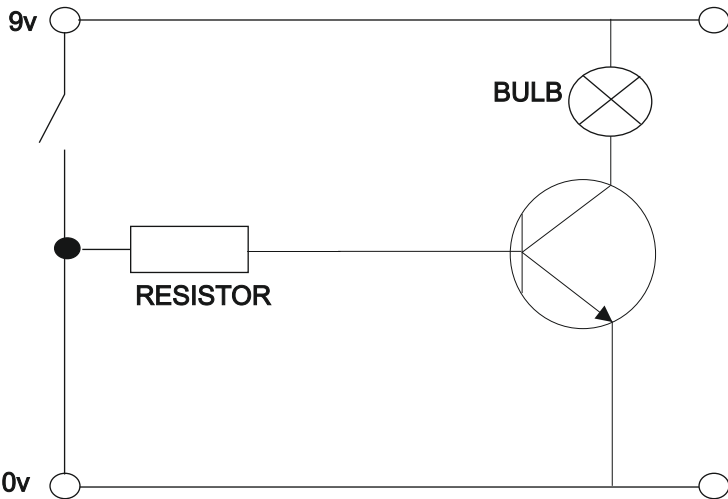
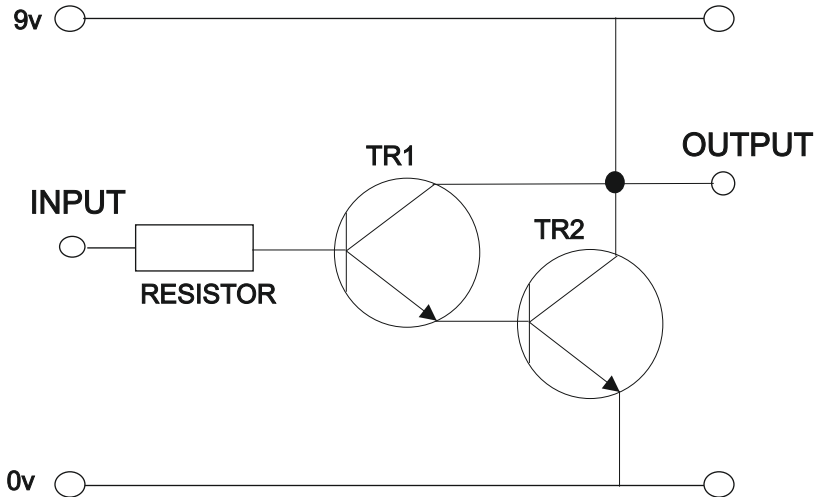
DARLINGTON PAIR

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HELPFUL LINK: <https://technologystudent.com/elec1/transis2.htm>

1. What is the function of a Darlington Pair.

2. Describe the circuit shown opposite in terms of the strength of the input signal and output signal.



The circuit to the left shows a single transistor. When the switch is pressed current flows from the 9v to the 0v and also to the base of the transistor. This allows the transistor to switch and in turn, current / voltage flows through the bulb, which lights.

3. What is the potential problem with this circuit?

4. In the space below draw a solution to the problem circuit seen in question 3.

5. What is the meaning of GAIN?
