**6-Bit Password Checker**



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**Description:**

This is a circuit which checks password in form of binary digits. The input is given by the user by switches in terms of ON or OFF. Then the input is matched with the input coming from the stored binary digits in terms of that circuit turned ON or OFF. Both the inputs are compared and then the output is shown on by LED turned green if the password matches and turns red if input is not right.

**Gate Used:**

* 6 XOR Gates
* 7 Not Gates
* 12 Switches
* 1 (6 input) And Gate
* 7 Red LEDs
* 7 Green LEDs