

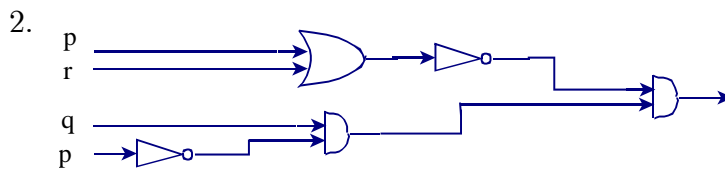
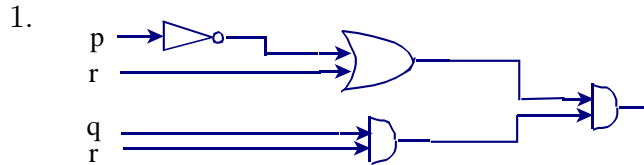
# Logic Exercise Set #7(Bit Strings, Logic Gates, System Specs, Boolean Searches)

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Pat Rossi

Name \_\_\_\_\_

**Instructions** Exercises 1-2: Determine the output of the combinatorial circuits:



3. Find the bitwise OR, bitwise AND, and bitwise XOR of the pair of bit strings: 1010110 and 0100111

4. Determine if the System Specifications are consistent:

- If the file system is not locked, then new messages will be queued.
- If the file system is not locked, then the system is functioning normally, and conversely.
- If new messages are not queued, then they will be sent to the message buffer.
- If the file system is not locked, then new messages will be sent to the message buffer.
- New messages will not be sent to the message buffer.