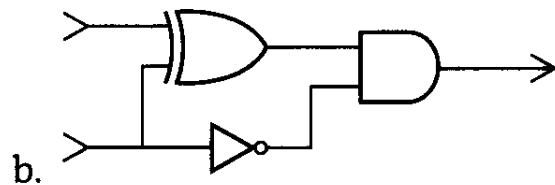
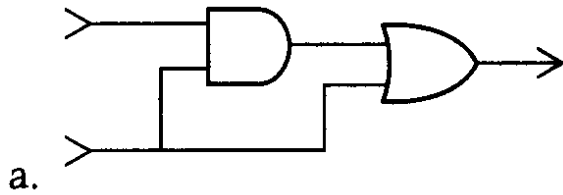


CS1356 Introduction to Information Engineering

Quiz 4, 2010/10/11

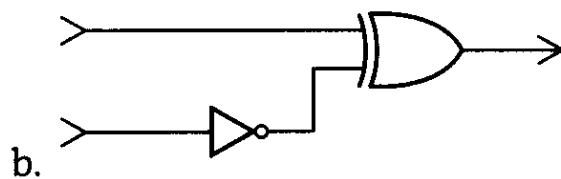
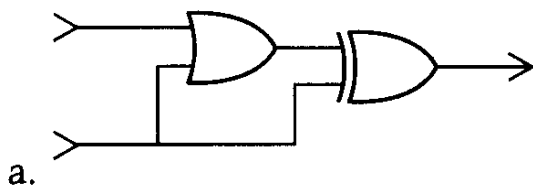
Your name _____ Student ID _____

1. For each of the following circuits, identify the input combinations that produce an output of 1. (Please write down all the possible answers.)



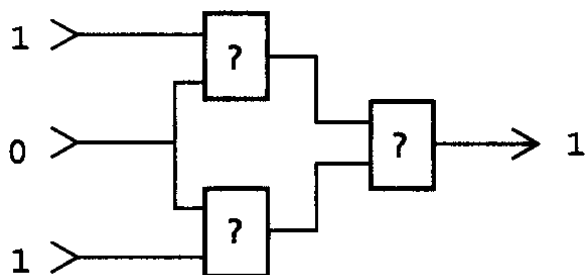
Ans: a.11 or 01 b.10

2. Determine the output of each of the following circuits, assuming that the upper input is 1 and the lower input is 0.



Ans: a.1 b.0

3. In each circuit below, the rectangles represent **the same type of gate**. Based on the input and output information given, identify whether the gate involved is an **AND**, **OR**, or **XOR**.



Ans: OR