

Tuesday Reading Assessment: Chapter 1

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February 4, 2020

1 Basic Logic Operations

1. Observe Fig. 1 below. If the inputs A and B can either be HIGH or LOW, list all possible combinations of inputs

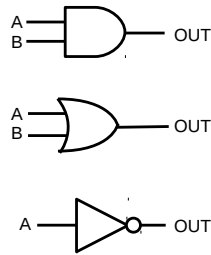


Figure 1: Three basic logic operations.

of A and B.

2. Which combinations of A and B produce a HIGH output on the top gate?
3. Which combinations of A and B produce a HIGH output on the middle gate?
4. What is the output of the bottom gate if the input A is LOW?