1. **(POGIL)** Insert a screenshot of your Logicly diagram for the Exclusive-OR circuit below.
2. **(POGIL)** Consider these three things: The OR gate (i.e., the physical circuit), the Boolean OR function (as defined by its truth table), and the OR symbol. How would arrange them from **most abstract to least abstract?** And what criterion would you use to determine their order?
3. Consider these three things: A binary digit (e.g., 1 or 0), the flip-flop circuit diagram (), and the flip-flop circuit (i.e., the physical circuit). How would you arrange them from **most abstract to least abstract** and what criterion would you use to determine their order?

**Portfolio Reflection Questions**

**Make a copy** of this document in your Portfolio Assignments folder and answer these questions in the spaces below. Once complete, turn in this assignment according to the steps given by your teacher.

[2.10 Hardware Abstractions: Logic Gates Curriculum Page](https://course.mobilecsp.org/mobilecsp/unit?unit=1&lesson=156)

Answer the following questions:

1. (**POGIL**) Insert a screenshot of your Logicly diagram for the Exclusive-OR circuit below.

2. (**POGIL**) Consider these three things: The *OR gate* (i.e., the physical circuit), the *Boolean OR function* (as defined by its truth table), and the *OR symbol*. How would arrange them from **most abstract to least abstract**? And what criterion would you use to determine their order?

**Answer**

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3. Consider these three things: A binary digit (e.g., 1 or 0), the flip-flop circuit diagram (), and the flip-flop circuit (i.e., the physical circuit). How would you arrange them from **most abstract to least abstract** and what criterion would you use to determine their order?

**Answer**

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