1. Convert 235 base 10 to:
   1. Hex:

**EB**

* 1. Base two

**1110 1011**

1. What is the logic device looped in orange called, and what does it do?

It is a multiplexer, it converts the input (multiple sing bit inputs) into one output, by selecting a single input to pass through.

1. What is the difference between the Harvard and Von Neuman architectures?

The Harvard stores the data and instructions separately and has separate paths for data and instructions. The Von Neuman stores the data and instructions together and shares paths.

1. What is wrong (if anything with the following code (on the reverse side of this page)?

It uses **bis.w** instead of **bis.b** for the LED.

1. How many times will delay: execute for each time past loop?

It is called 3 times, but then runs through to ultimately run through delay 4 times.

1. Is myDelay callee-safe? Explain