Project: Pizza Time

1. Why did the first/initial demo fail (68)?
   1. When working on it for a long period of time (and when constantly tweaking our value without creating a backup), we managed to mess up our perfectly adequate code and turn it into something that wasn’t exactly up to our quality standards.
2. Why did we do it incorrectly?
   1. When tweaking certain values (like the ones for the peg width), some of our values were entirely incorrect and managed to identify white pegs as red pegs and vise versa. We also never implemented white peg detection, however we did implement something that wasn’t exactly a replacement but could get around the problem (sort of). This still was a significant problem and would definitely be fixed with more adequate time.
3. Why did we spend so much time on the ping sensor?
4. We dedicated a large portion of our time working to fix the ping sensor. Our ping sensor worked fine for time but was giving us incorrect data and would progressively get worse as more pegs were in view of the cybot. We spent hours and hours on it and then decided to ask for assistance from other TA’s but even 3 or more of them couldn’t identify the problem. We still don’t know what the root cause was or why it couldn’t be fixed.

Root Cause: My understanding of C code wasn’t as good as my partners in the group who knew some decent way of solving a problem in the C language. Rewriting a whole section of code in a time crunch wasn’t exactly something that I was entirely capable of (due to my inexperience). For this reason, a lot of effort was put into debugging and fixing code that was broken or had parts missing.