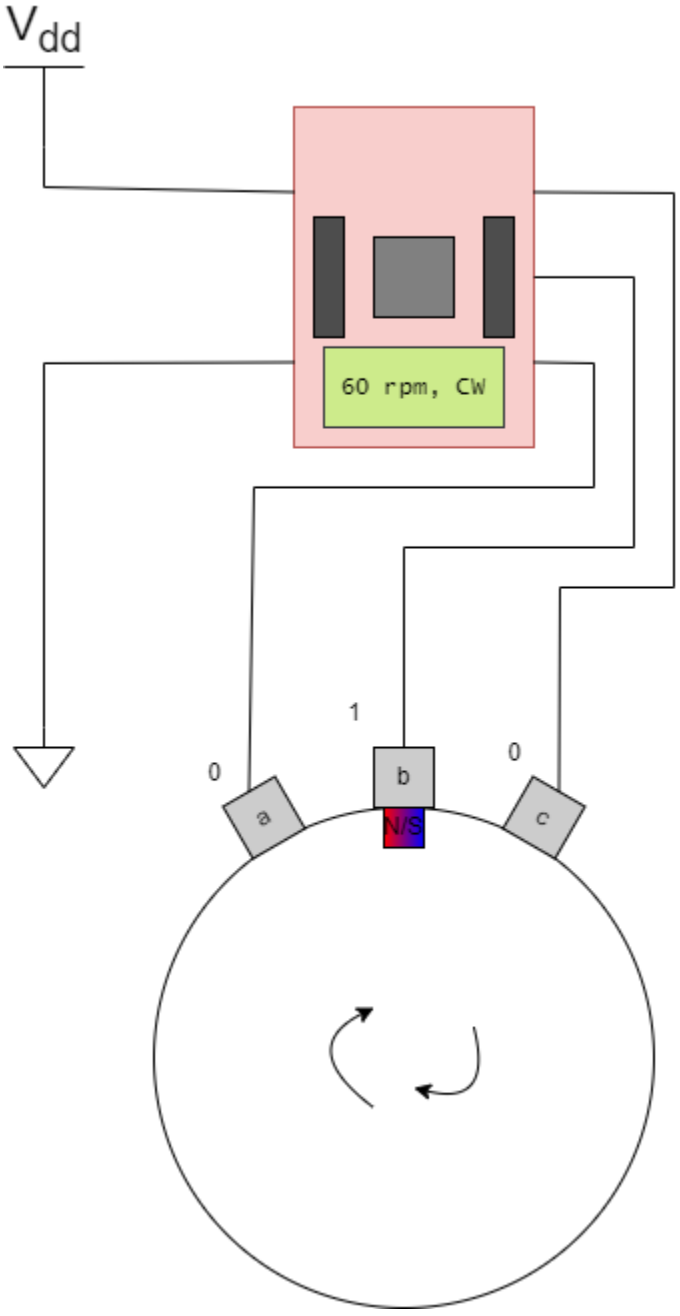
1. Hall-Effect Sensor Speedometer
2. I would like to create a system that can find the speed and direction of some spinning object by sensing the magnetic field of a magnet on the spinning object.
3. I will use the Launchpad's GPIO as input and LCD as an output.



4. I will spin an object with a known speed and direction and compare it with my system to verify its effectiveness. Pulses from digital hall-effect sensors will be sent to the board and given a certain order and interval a read-out will be visible from the LCD.
5. If my plan does not work to completion I can at least find if the board can take the inputs form the sensors.