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Balloon Inflation Action - Mission Possible MK2
   Ward Melville HS Science Olympiad - Team A - 2017-2018
   balloonTiny.ino
   Purpose: Turns on a motor when the input is recieved. Turns it
off when a switch is hit.
   @author David Cutting
    @version 1.1 1/26/2018
*/
// Definitions for microcontroller pin numbers
const int MOT PIN A = 0;
const int MOT PIN B = 1;
const int SWITCH PIN = 2;
const int IN PIN = 3;
void setup() {
 // Set the microcontroller pins as either inputs or outputs
 pinMode(SWITCH PIN, INPUT);
 pinMode(IN PIN, INPUT);
 pinMode(MOT PIN A, OUTPUT);
 pinMode(MOT PIN B, OUTPUT);
 // Lock the motor in place (connect the leads, essentially)
 digitalWrite (MOT PIN A, LOW);
 digitalWrite(MOT PIN B, LOW);
void loop() {
if (digitalRead (SWITCH PIN)) { // If the limit switch is pressed...
   // Turn the motor off (coast)
   delay(50);
   digitalWrite (MOT PIN A, LOW);
   digitalWrite (MOT PIN B, LOW);
 }
 else if(digitalRead(IN PIN)) {
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digitalWrite(MOT_PIN_A, LOW);
digitalWrite(MOT_PIN_B, HIGH);
}
```

}