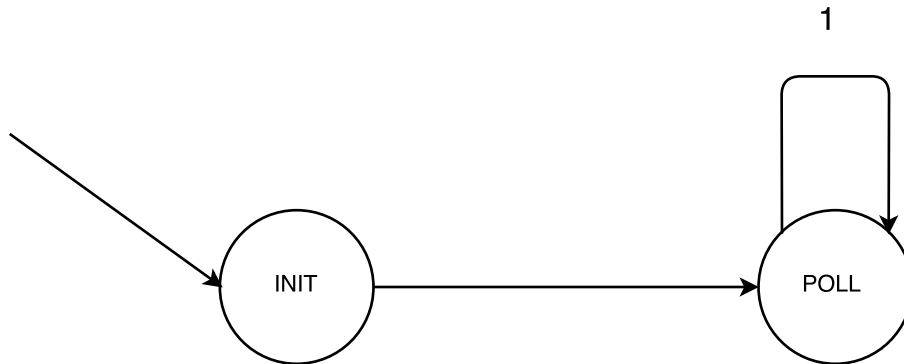# Poll State Machine

ATMega1284 Microcontroller #1
Period: 10ms

1

INIT

POLL

Receive input from both IR Sensors
Receive input from Temperature Sensor
Receive input from Force Resisting Sensor
ADC conversion for both Temperature & Force Resisting Sensor

Receive input from Bluetooth module via USART0

Compress bits from Bluetooth, Force Resisting Sensor, and
both IR Sensors, along with 0xC0 as a flag
Send compressed bits over USART1
Send temperature data over USART1

Output compressed data on PORTC to show what values are being
sent over USART1