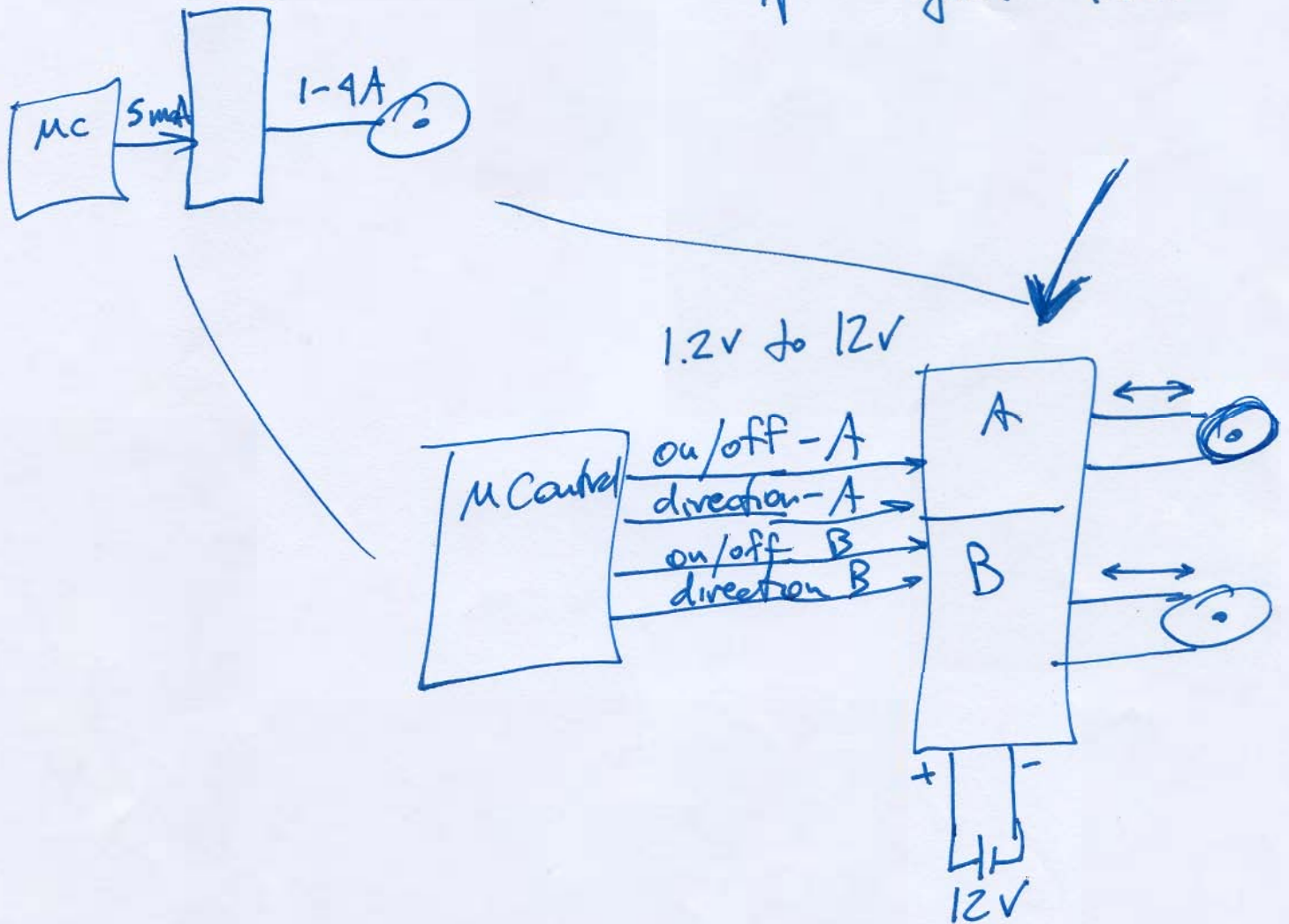


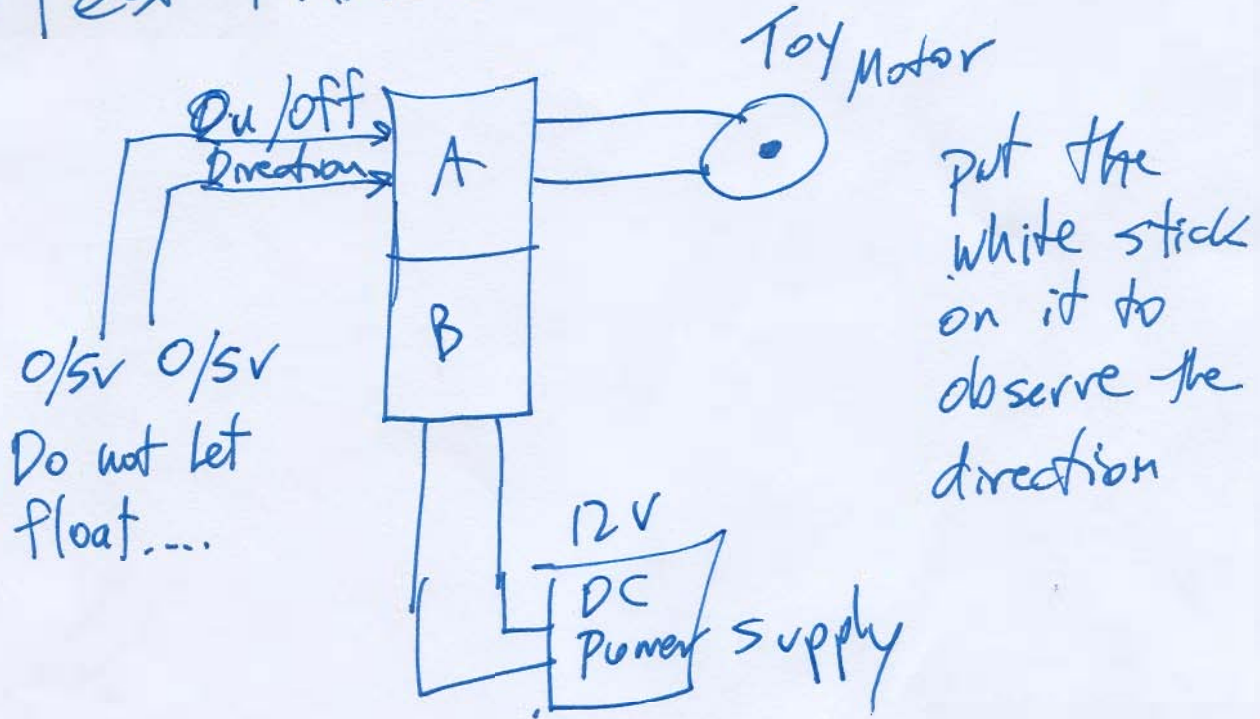
Lab 5 →

Build the h-bridge board

Typical gain $\times 100$



Lab 5: Test Fixture



lab 6:

Take h-bridge
Zem vehicles → Renesas
12V batteries

Lab 5:

- Process
- 0) Inspect board for cuts/missing traces
 - 1) Drill holes in board (& have Grad Student Inspect)
 - 2) Get parts
 - 3) Cut jumper wires & Strip
 - 4) Solder resistors
 - 5) Solder chips
 - 6) Solder jumpers
 - 7) Test board with meter, then power (bench supply)
 - 8) Solder FETs & diodes
 - 9) Test w/meter, then power (No load)
 - 10) Test w/motor (load)

Resources:

- 1) Drill presses in Woodward 211
- 2) Soldering irons in Woodward 211, 231,
Checkat from Eddie
- 3) Tools (cutters, wire strippers, dykes, solder) from
Eddie & Dr C.