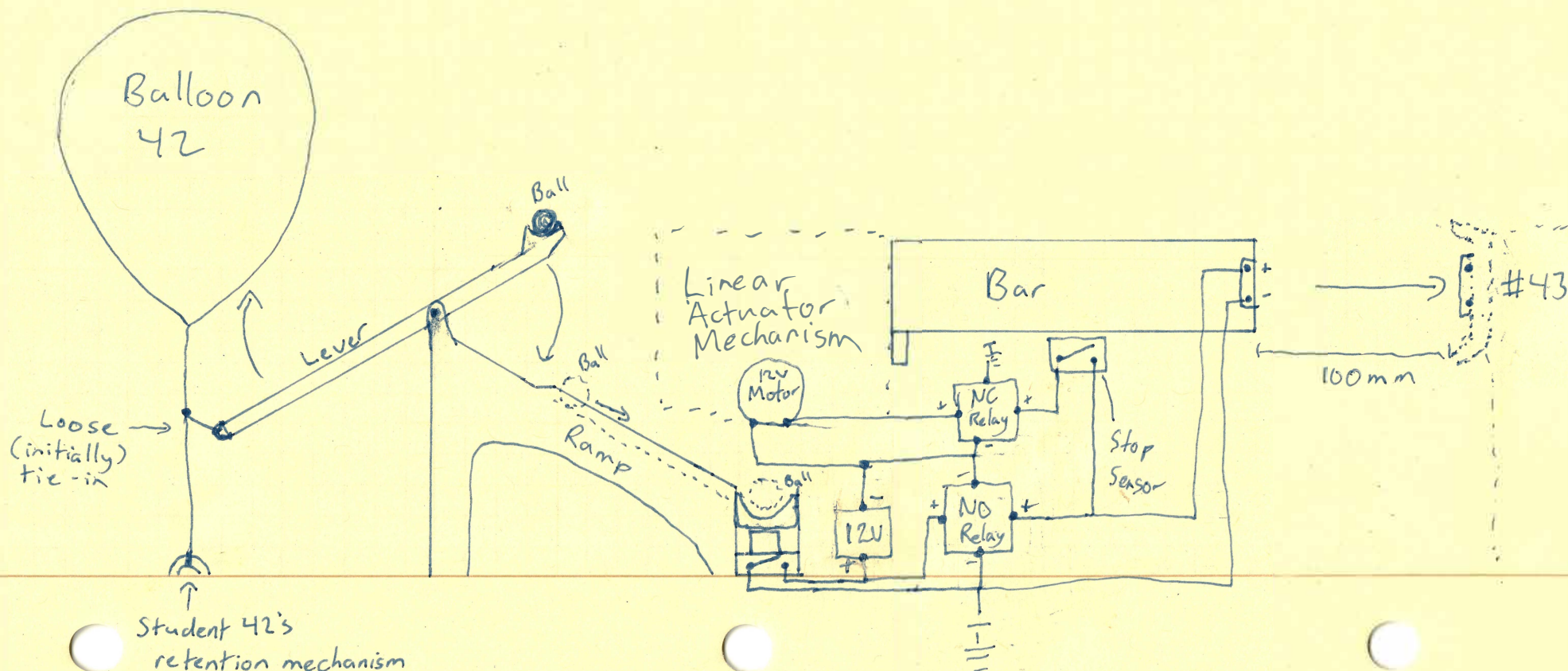
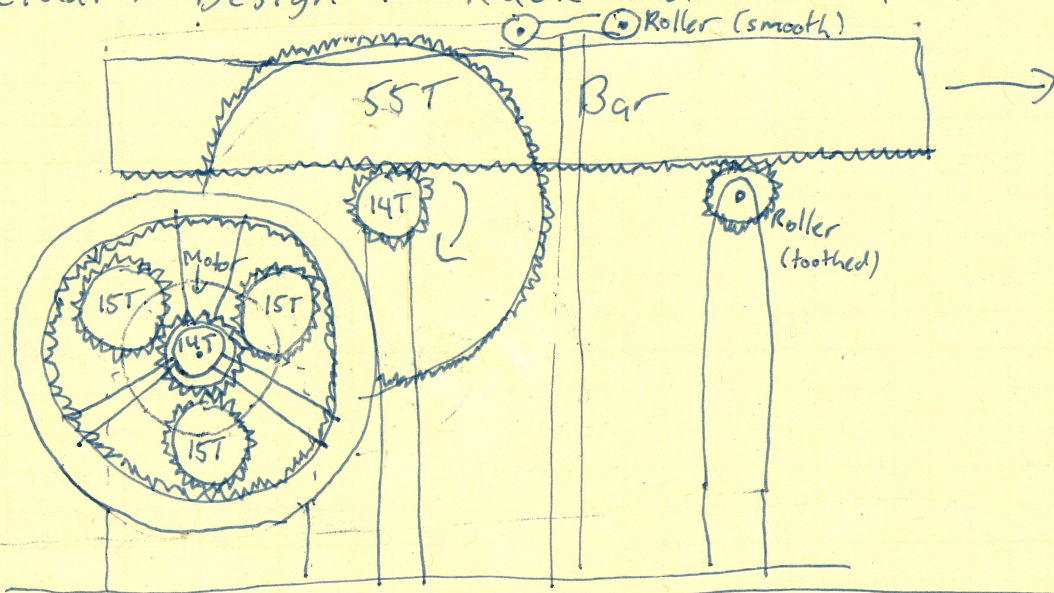


# Input Handling + General Design

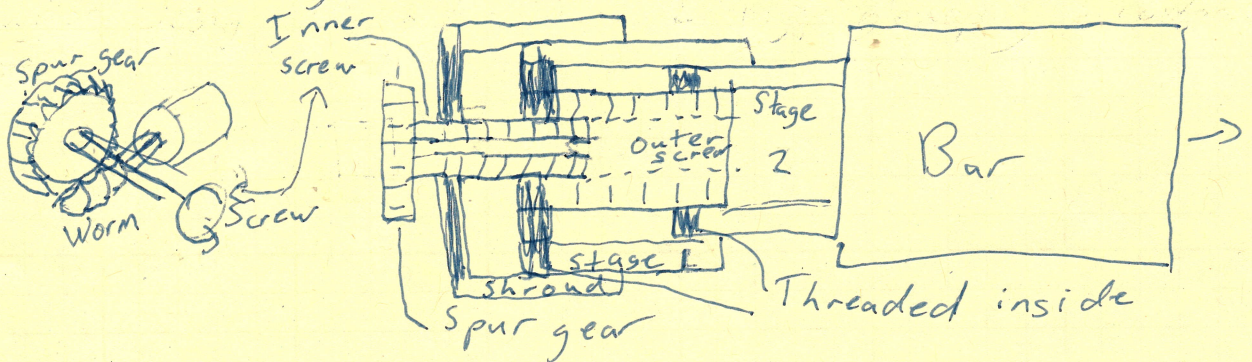




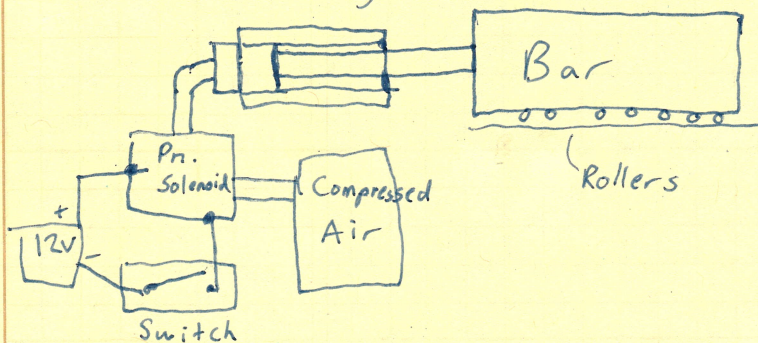
### Actuator Design 1: Rack and Pinion w/ Planetary Gearbox



### Actuator Design 2: Worm Drive 2-stage Telescoping Screw



### Actuator Design 3: Pneumatic solenoid-controlled piston



Other options still under consideration:

- Belt drive (TPU printed, possibly nylon reinforced)
- Conveyor belt (same)
- Chain drive (3D printed links)