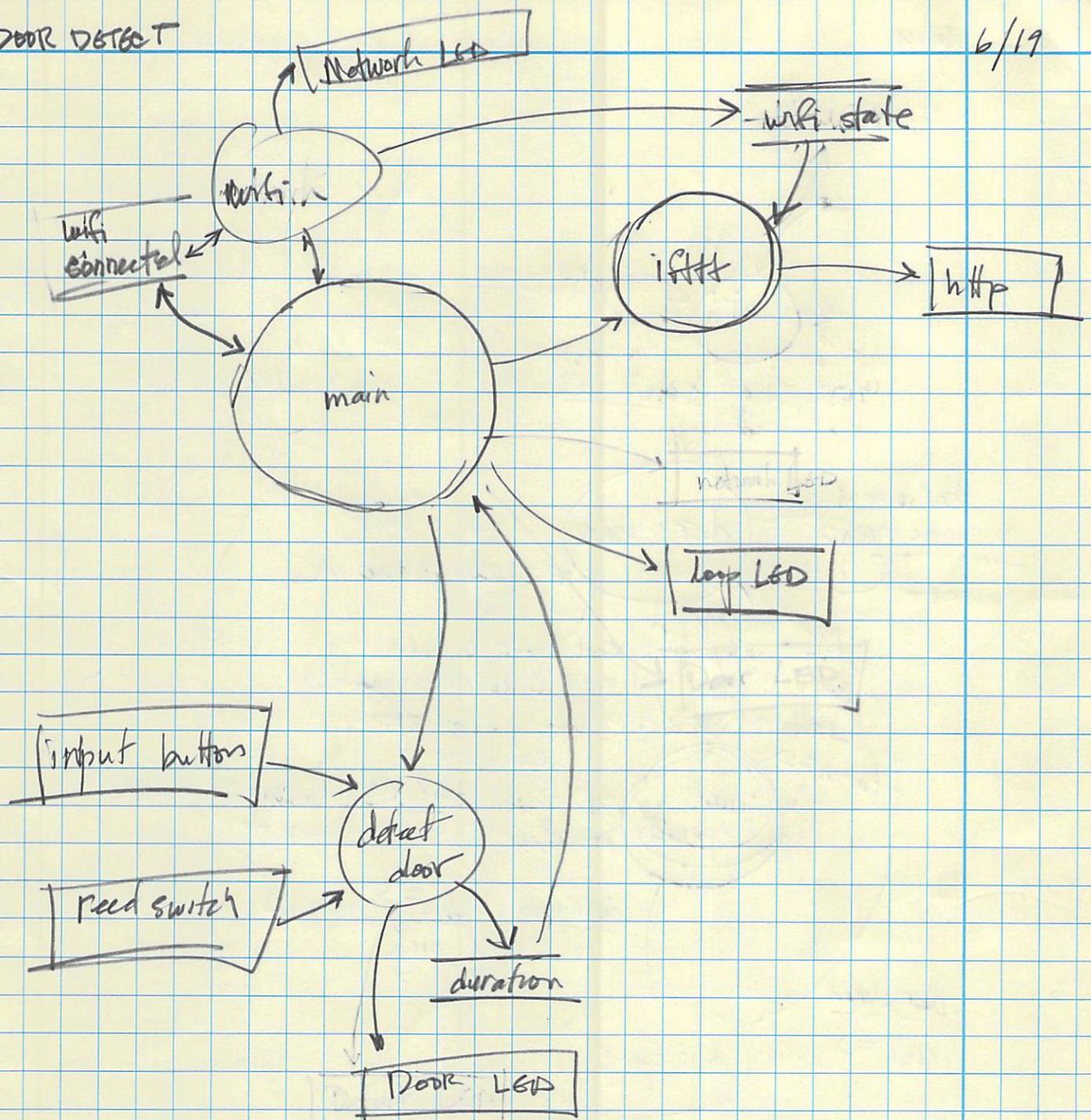
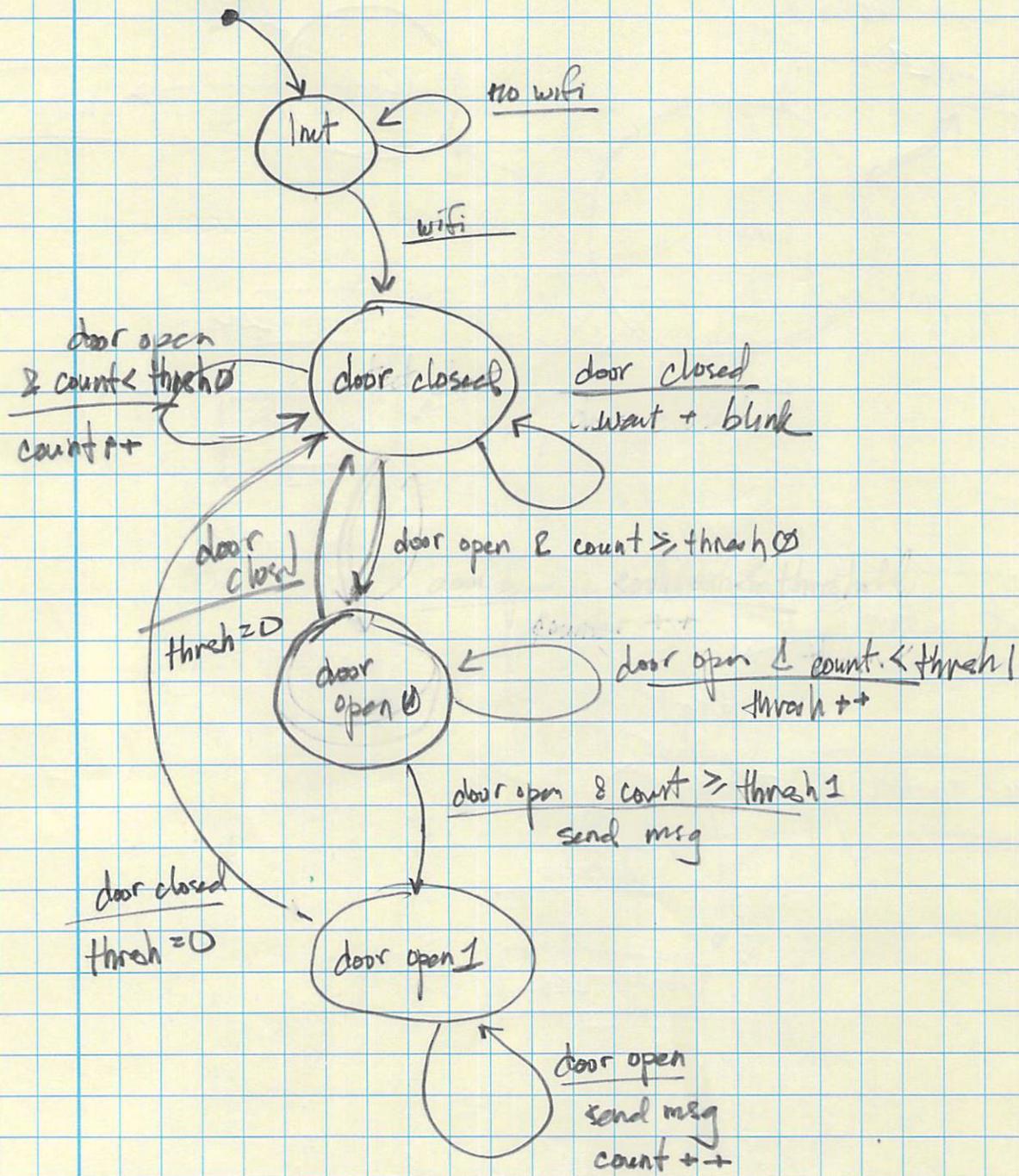


6/19

## DOOR DETECT



6/19



ERL from ipython  $\approx$   
ref mean = -49 dB

$$\sin \phi = -49 \text{ dB}$$

$$-3 = 20 \log_{10} k$$

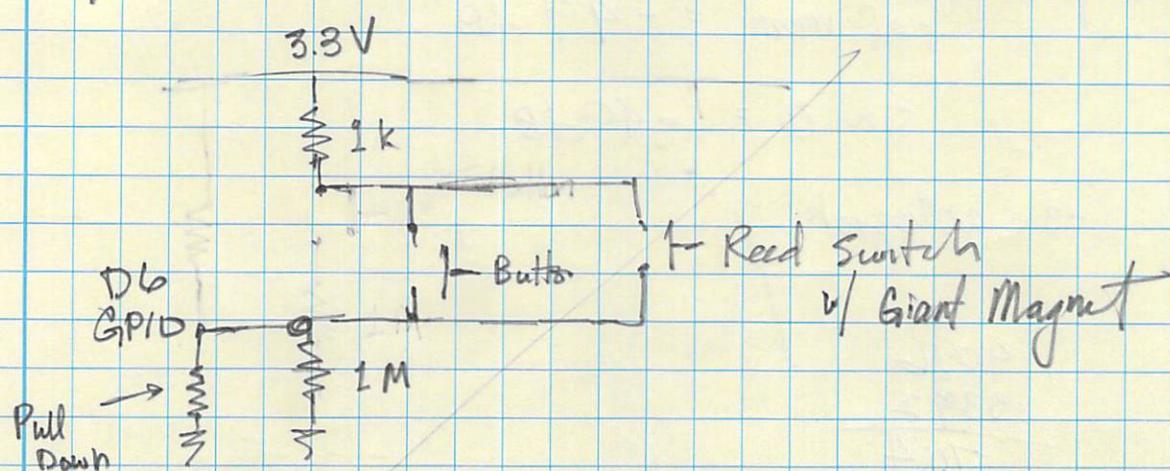
$$\begin{array}{r} 4096 \\ 3392 \\ \hline 704 \end{array}$$

$$\begin{array}{r} 4096 \\ 3580 \\ \hline 516 \end{array}$$

596 samp @ 16 kHz  $\approx$

$$596 \text{ samp} \times \frac{\text{sec}}{16000 \text{ samp}} = 0.03725$$

7/27



Button pressed: GPIO goes HIGH

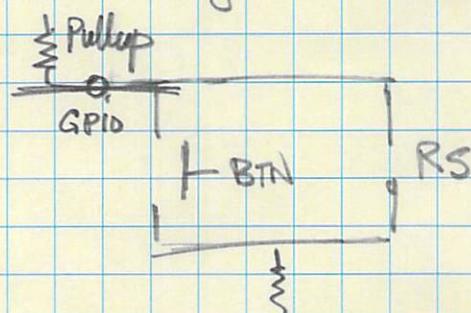
Reed switch closed: GPIO goes HIGH

Volts at GPIO when switch closed ≈

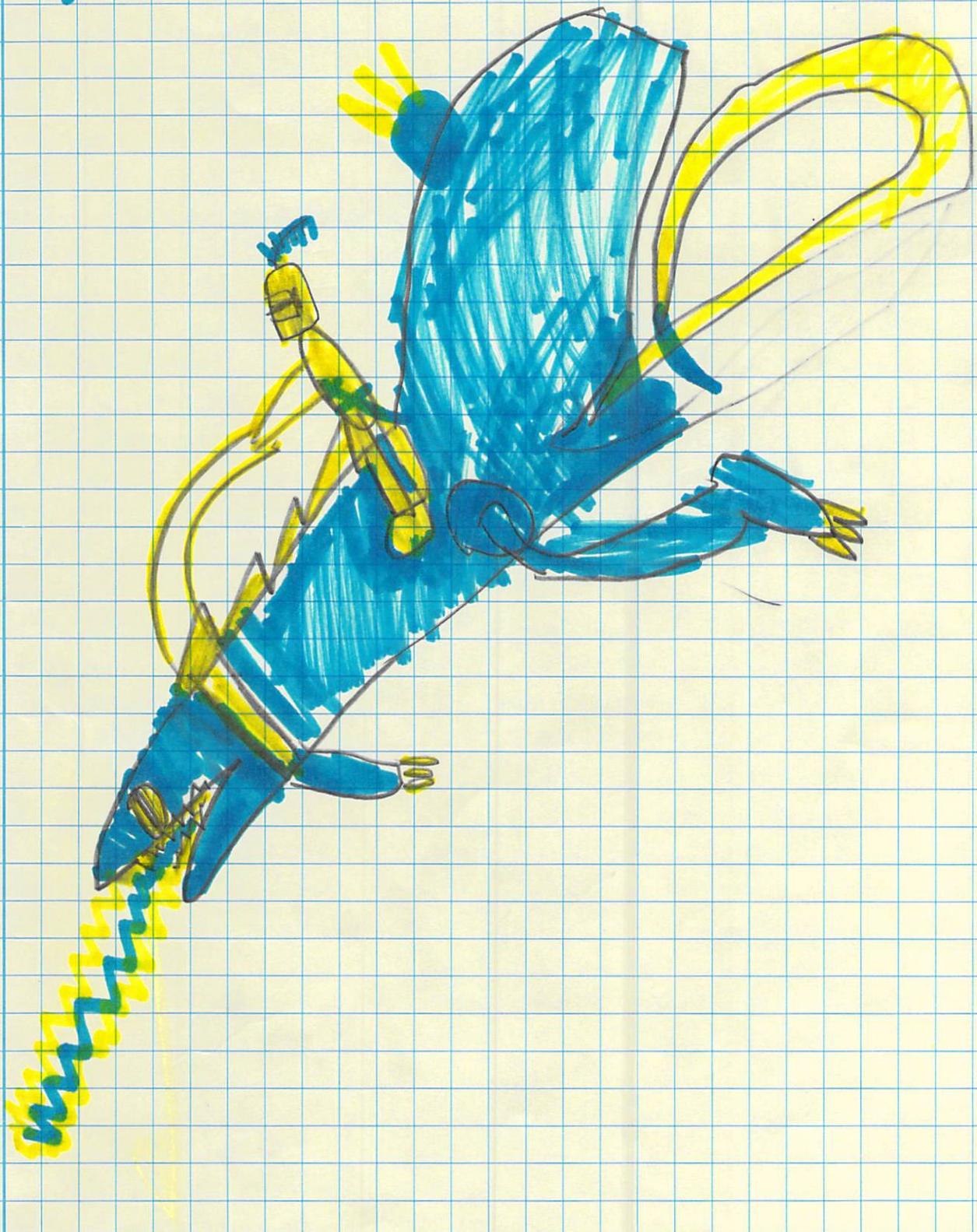
$$V = 3.3 \times \left(1 - \frac{1 \times 10^3}{1 \times 10^6}\right) = 3.3 (0.999)$$

- Assume Reed switch closed when door is OPEN

Want GPIO go LOW when switch closed

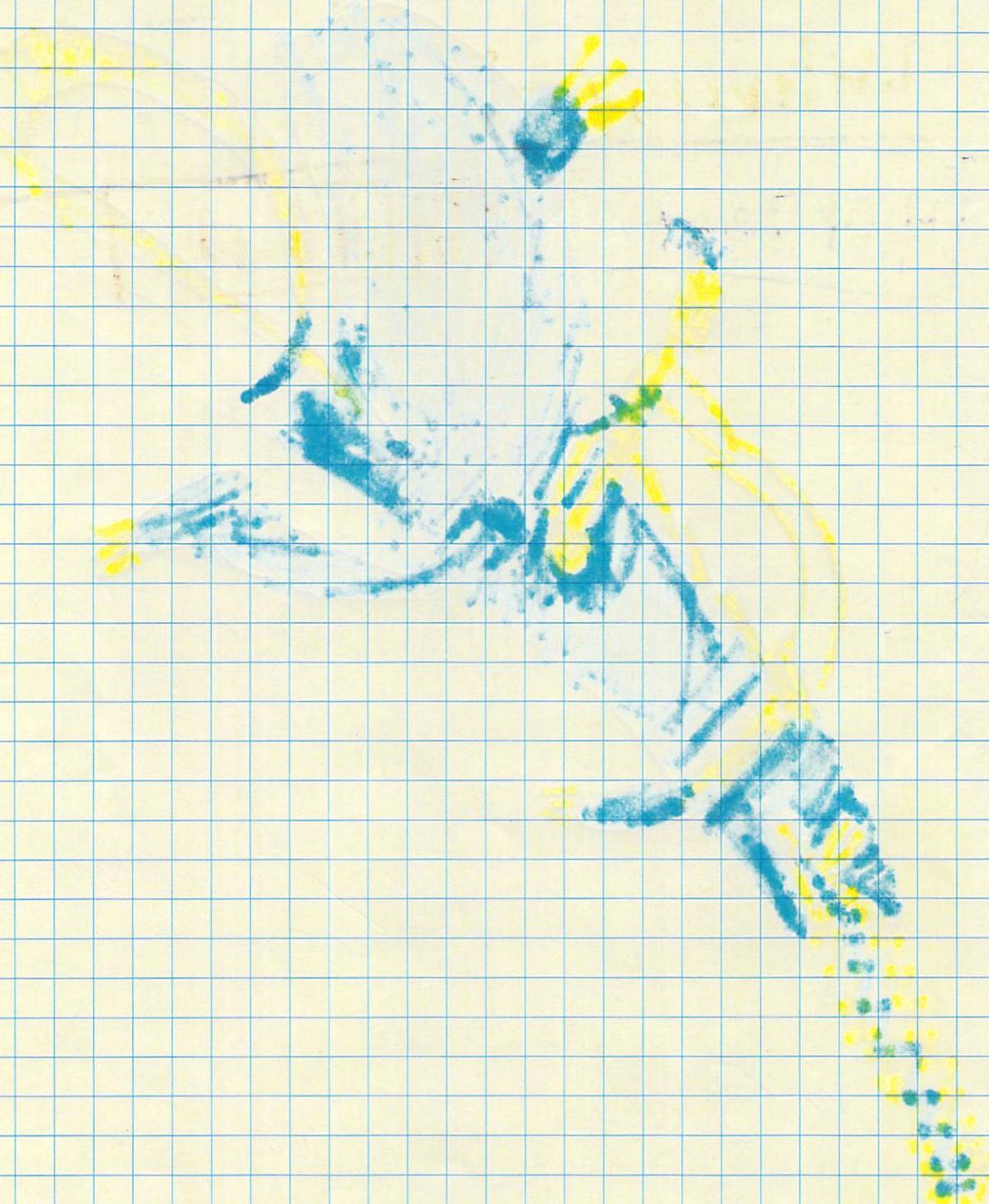


# THE DRAGON LEGEND



Jeremy Yu

ONEILL AND ROBINSON



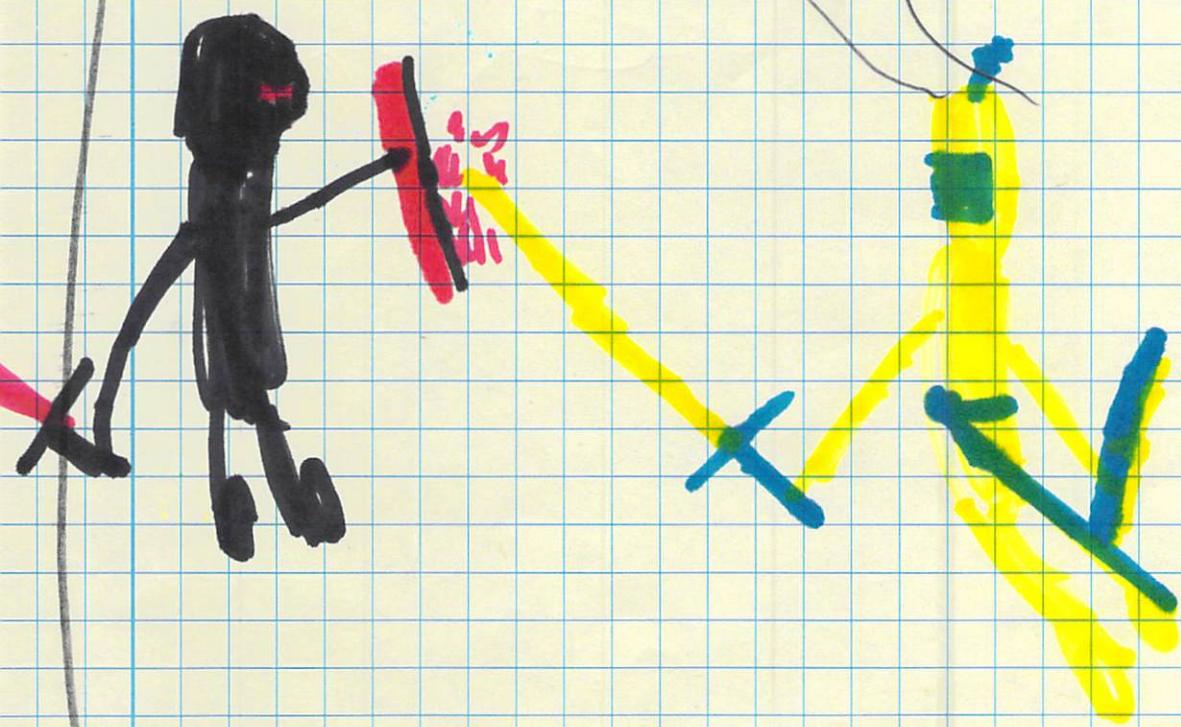
One year in time...

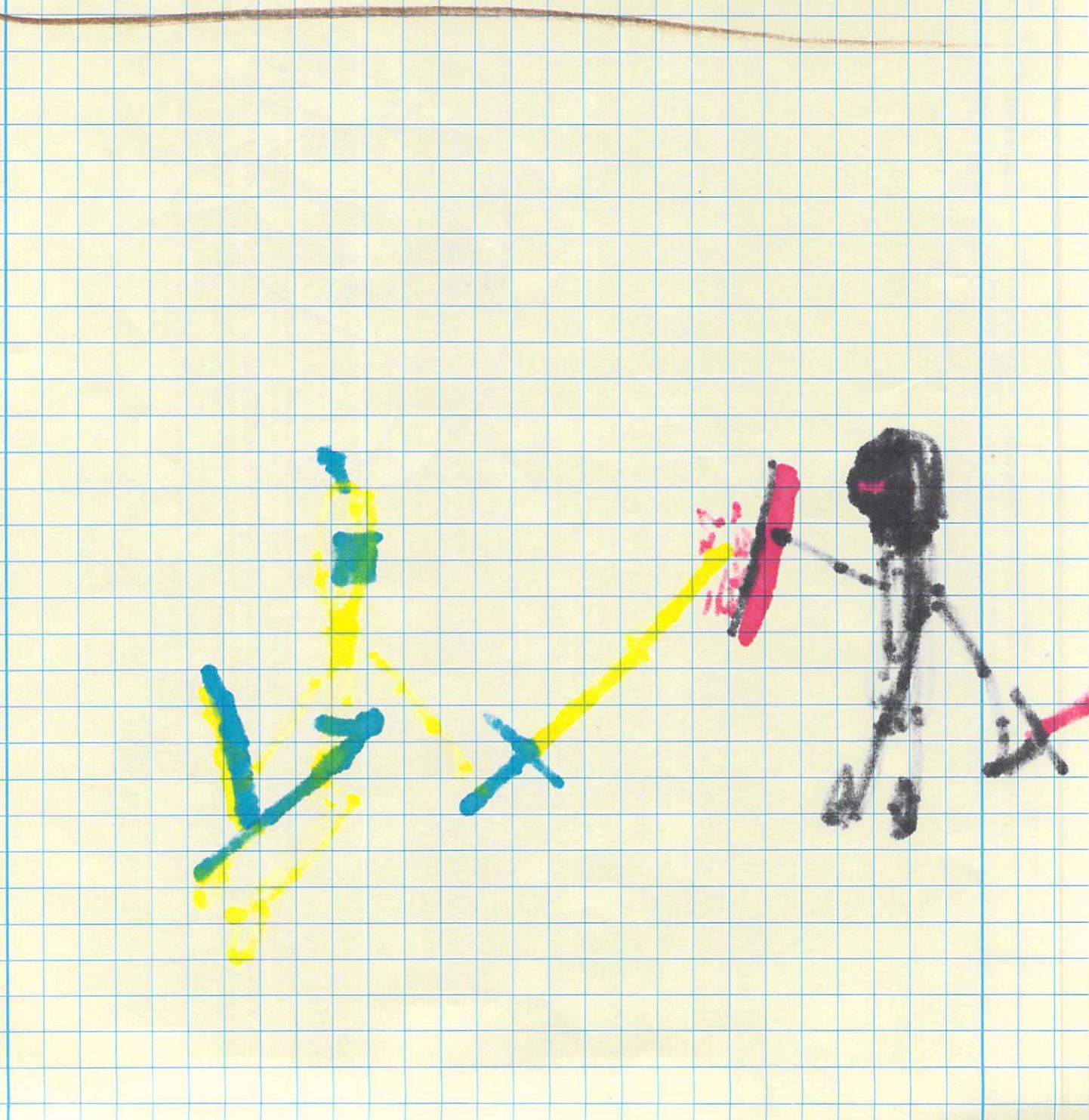
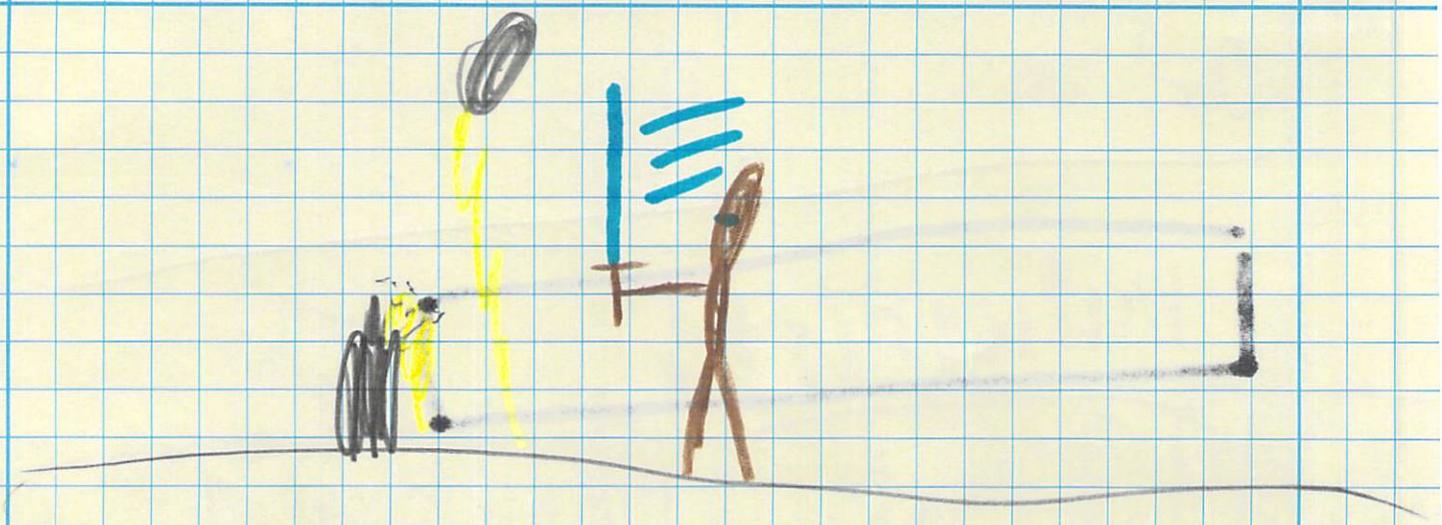
Tournament!

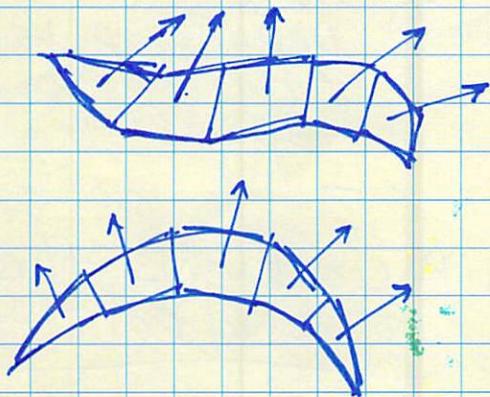
981 points

11,9648 pt.

hu-uul!







! !

~~Julia~~ Julia

8'30 "jump off"

General

Oversee - Content

Big Initiatives

- Content Quality (Product)

↳ Freelancers writing Content

↳ Explorers (Freelancers) write reviews  
 pop Europe vacation  
 Croatian Islands  
 Spanish beaches

- Weekly Reco (Events this week)

15 local editors Expansive

get a content provider  
 Looking for partners

Goal this year

Do syndication

Events are syndicated in Downton Mag

- 2 Features

Travel Safety Modules

TIPS  
 Solo female travel  
 LGBT  
 Int'l issues  
 Roadmap  
 Wants to get it into app  
 when to go

- Woman Travel press

- Existing content

Blog + Social Media

Becky } New prod feature  
Layla } announcements

Big push on SEO friendly content on specific destination

New Awards page need Evans support to have it be published.

As a content team to use for outreach

SEO ~~people~~ agency link building

Customer Gallery

Catalog

→ Flickr tool manual choose photos (intentionally)

→ Hotels / Expedia hotel photos (updating)

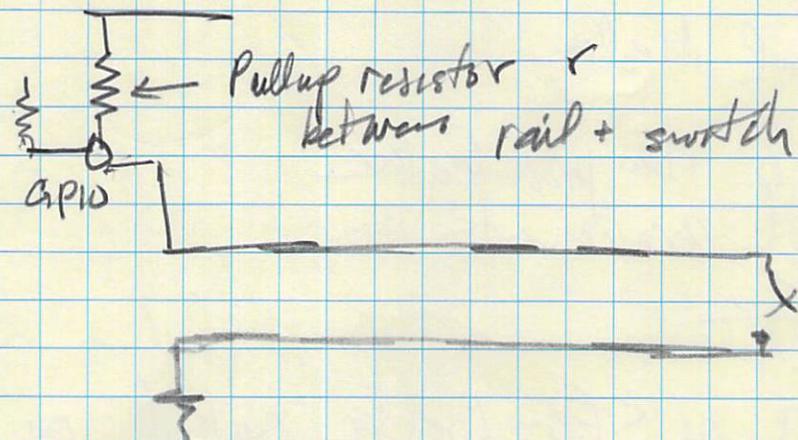
↳ need to update

→ stock photos for currency

re freshening (fast food sandwiches)

7/26 Only LOADS ON READ SWITCH

Put more current thru it

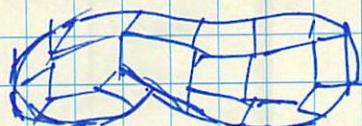
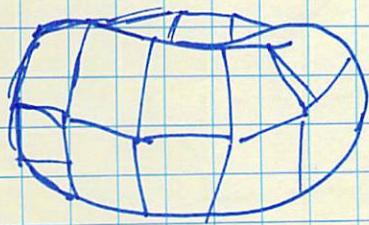
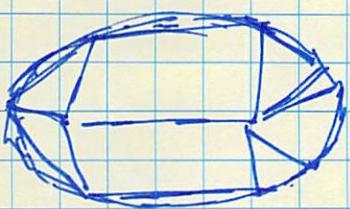


$$V = IR$$

$$20mA = \frac{3.3V}{R}$$

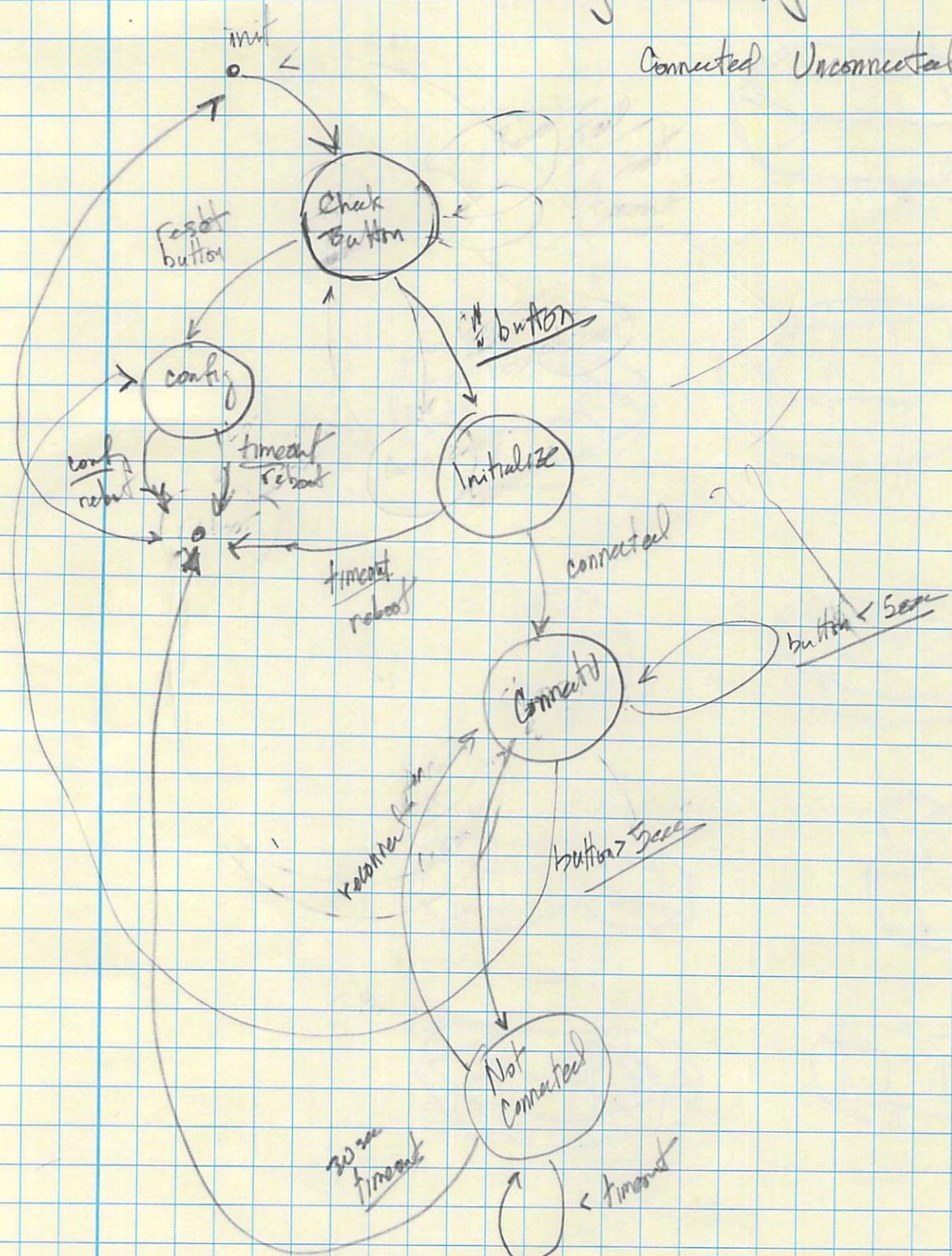
$$R = \frac{3.3V}{20 \times 10^{-3}} = 165 \Omega$$

say  $150 \Omega$

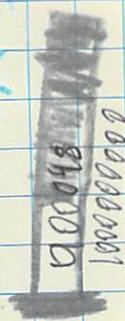


## Config Autoconfig

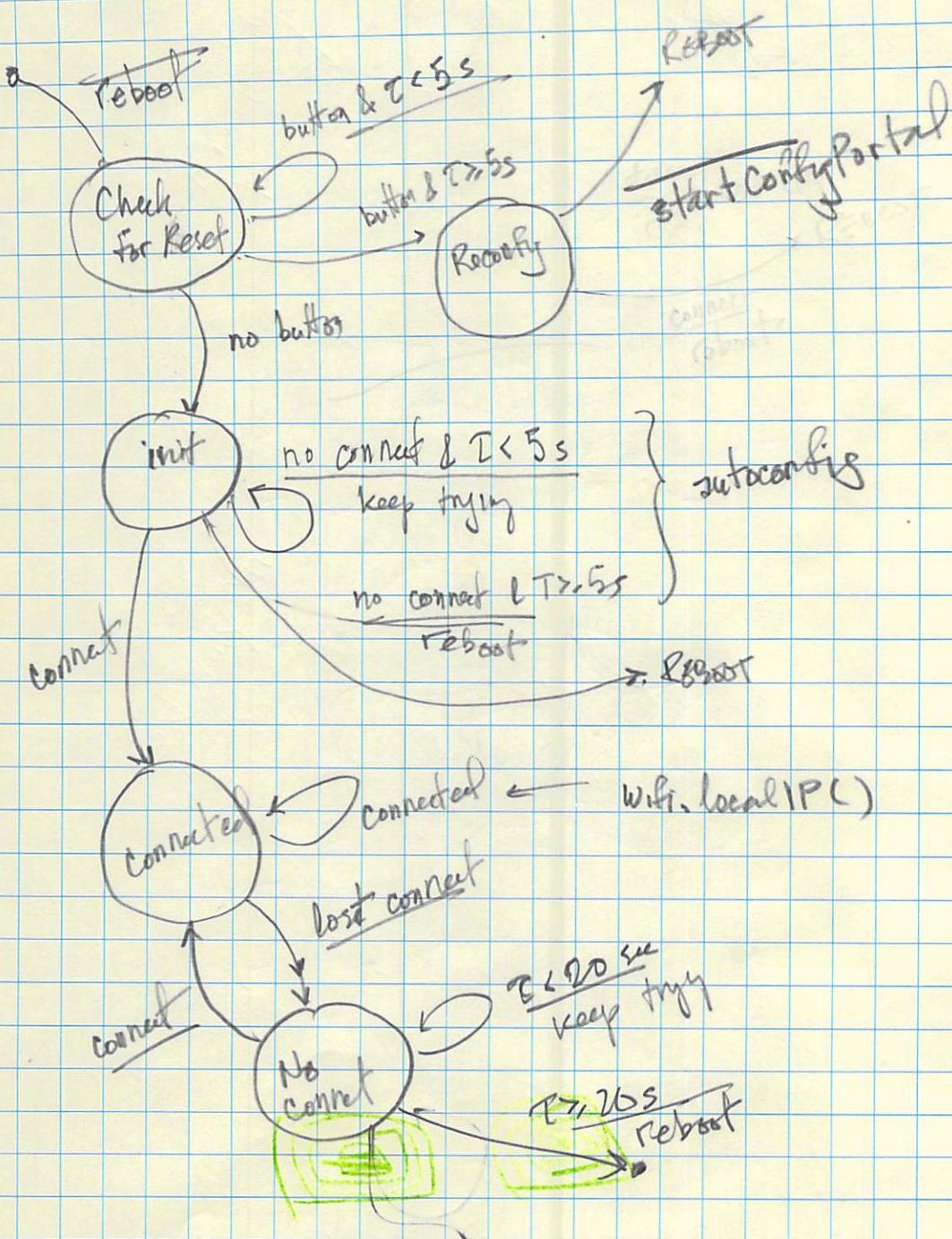
Connected Unconnected



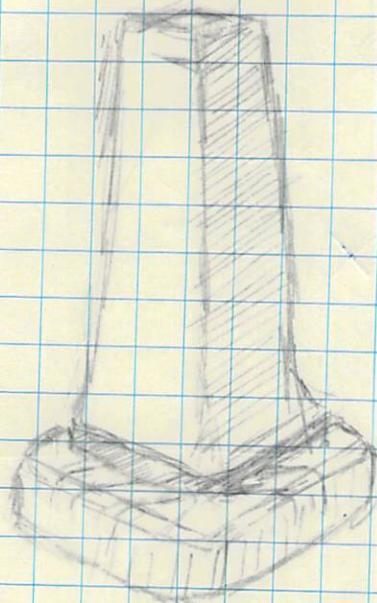
MAX 29948



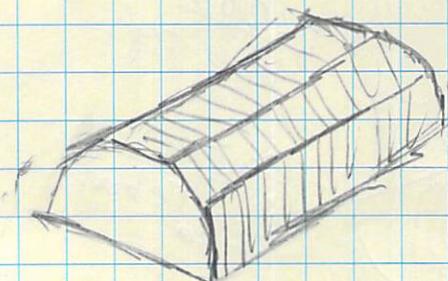
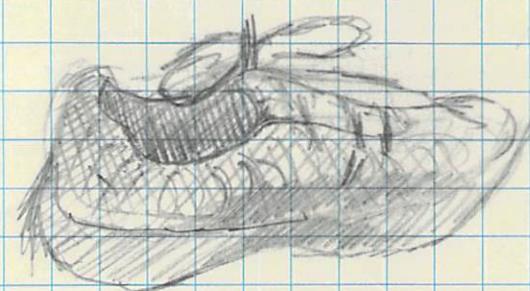
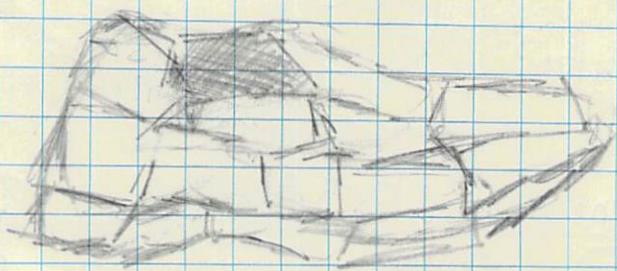
## WiFi STATE MACHINE



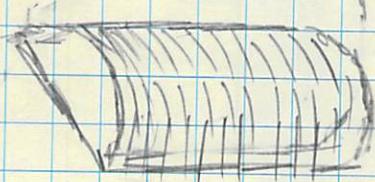
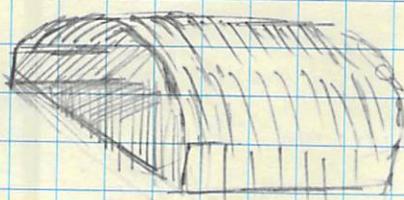
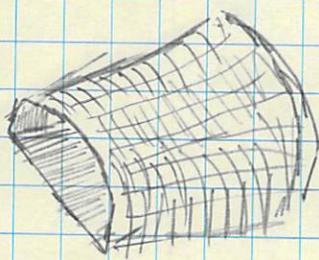
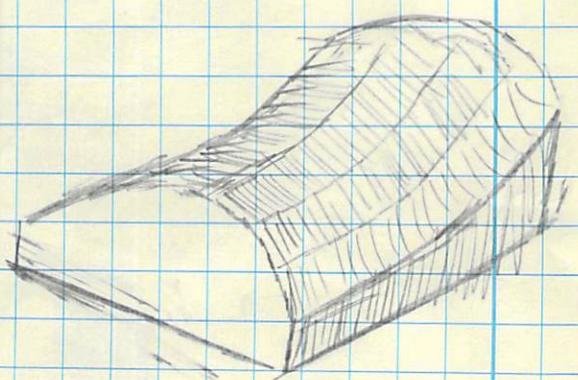
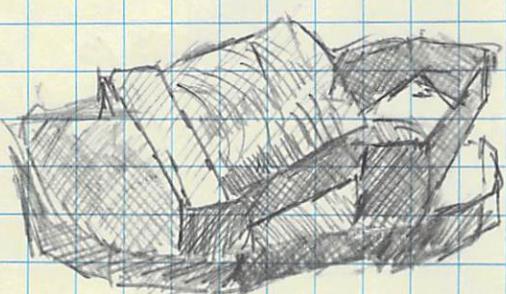
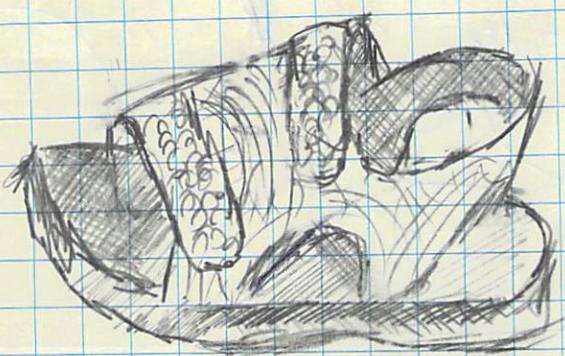
8/10



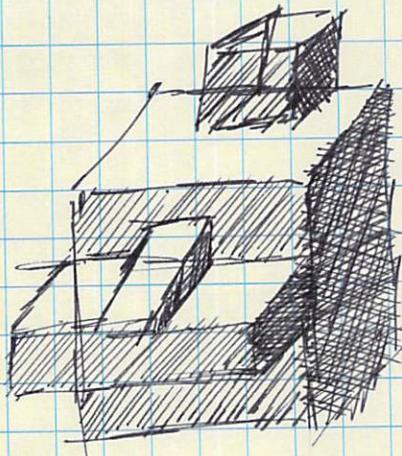
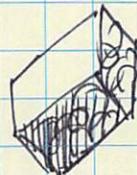
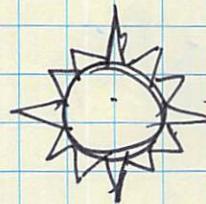
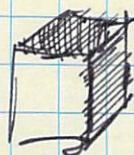
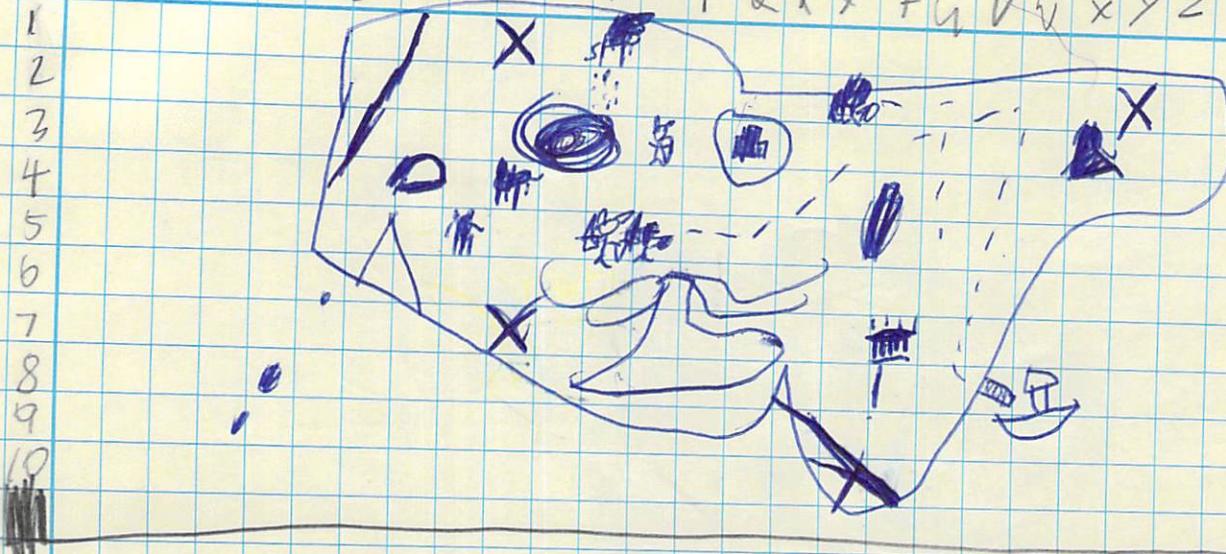
8/10  
8/10  
8/10



8/11



A B C D E F G H I J K N O P Q R X Y U V W X Y Z



20003

sticker



december

COPY



shiny



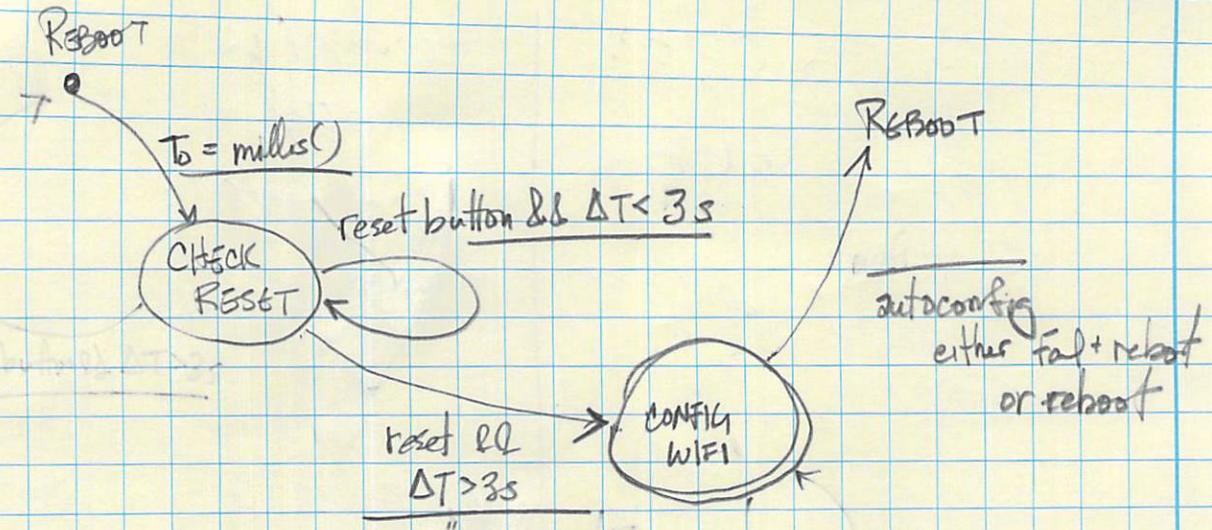
What  
Should

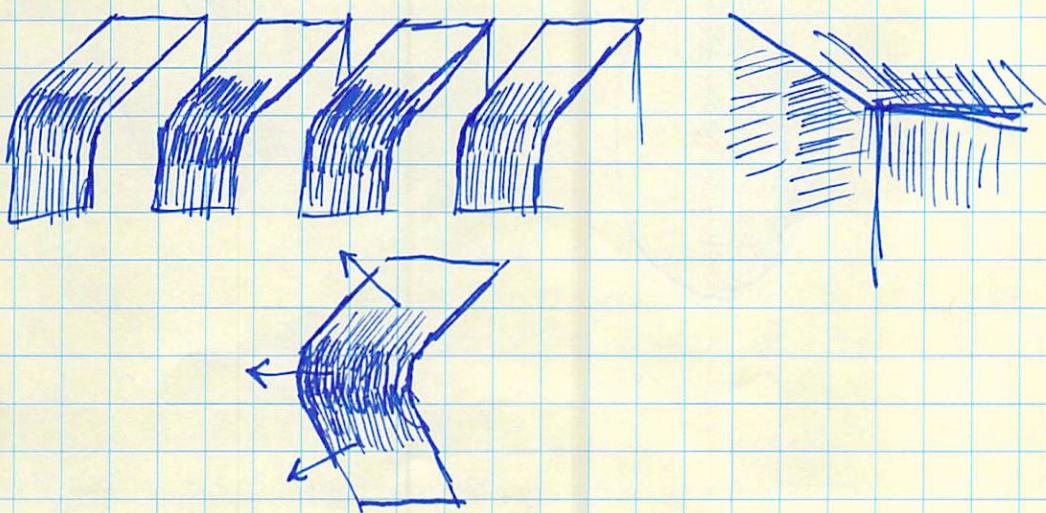
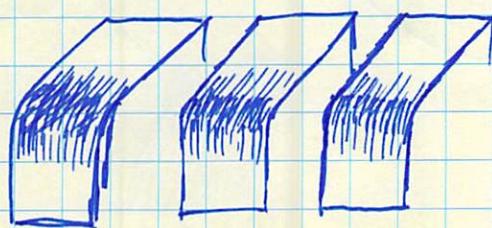
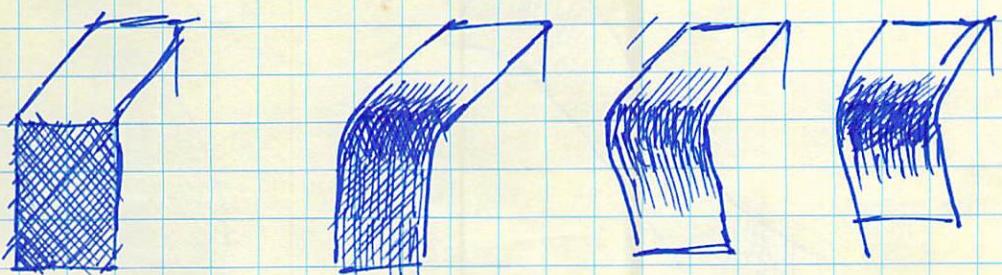
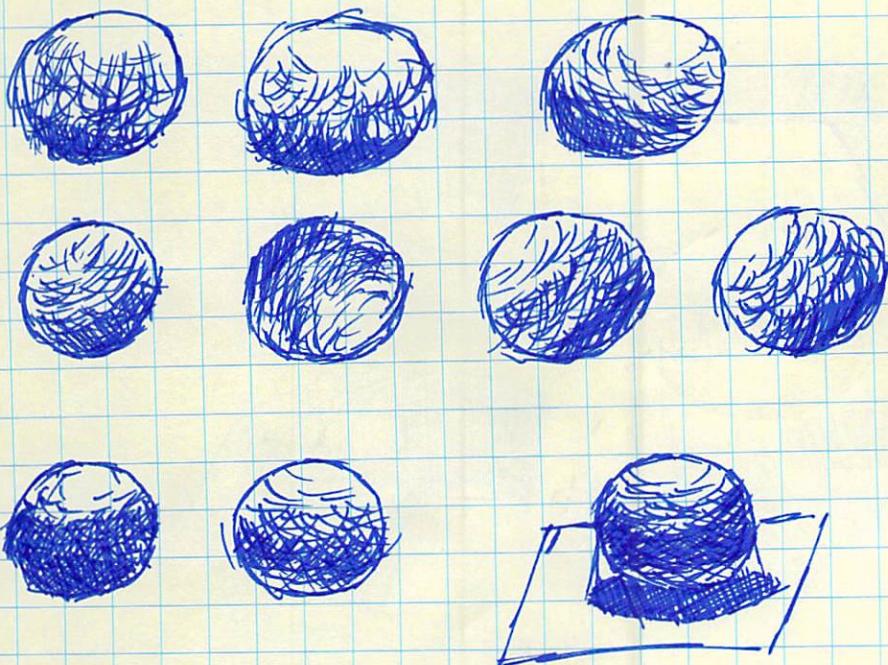
Stone

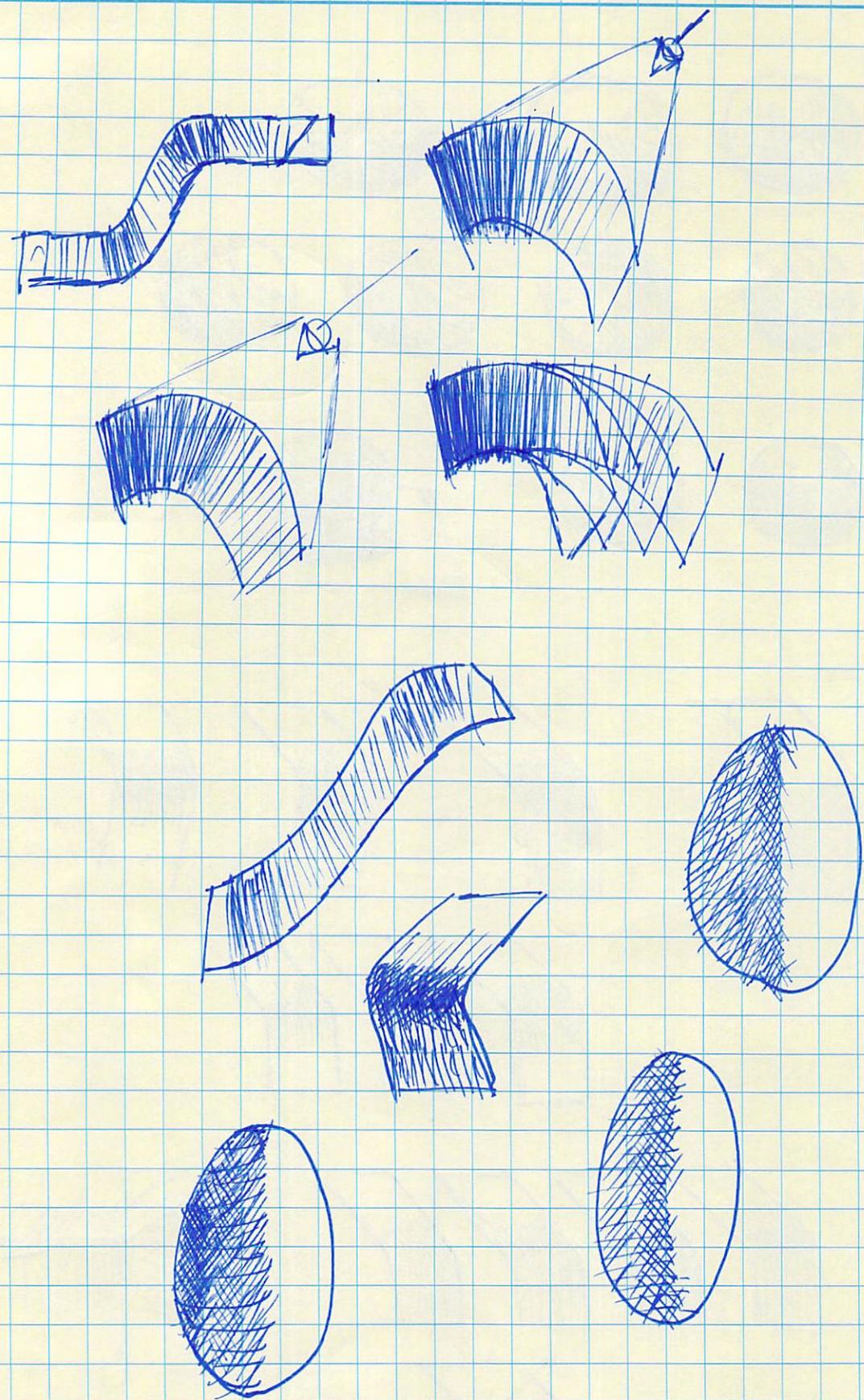
ethnici  
stone

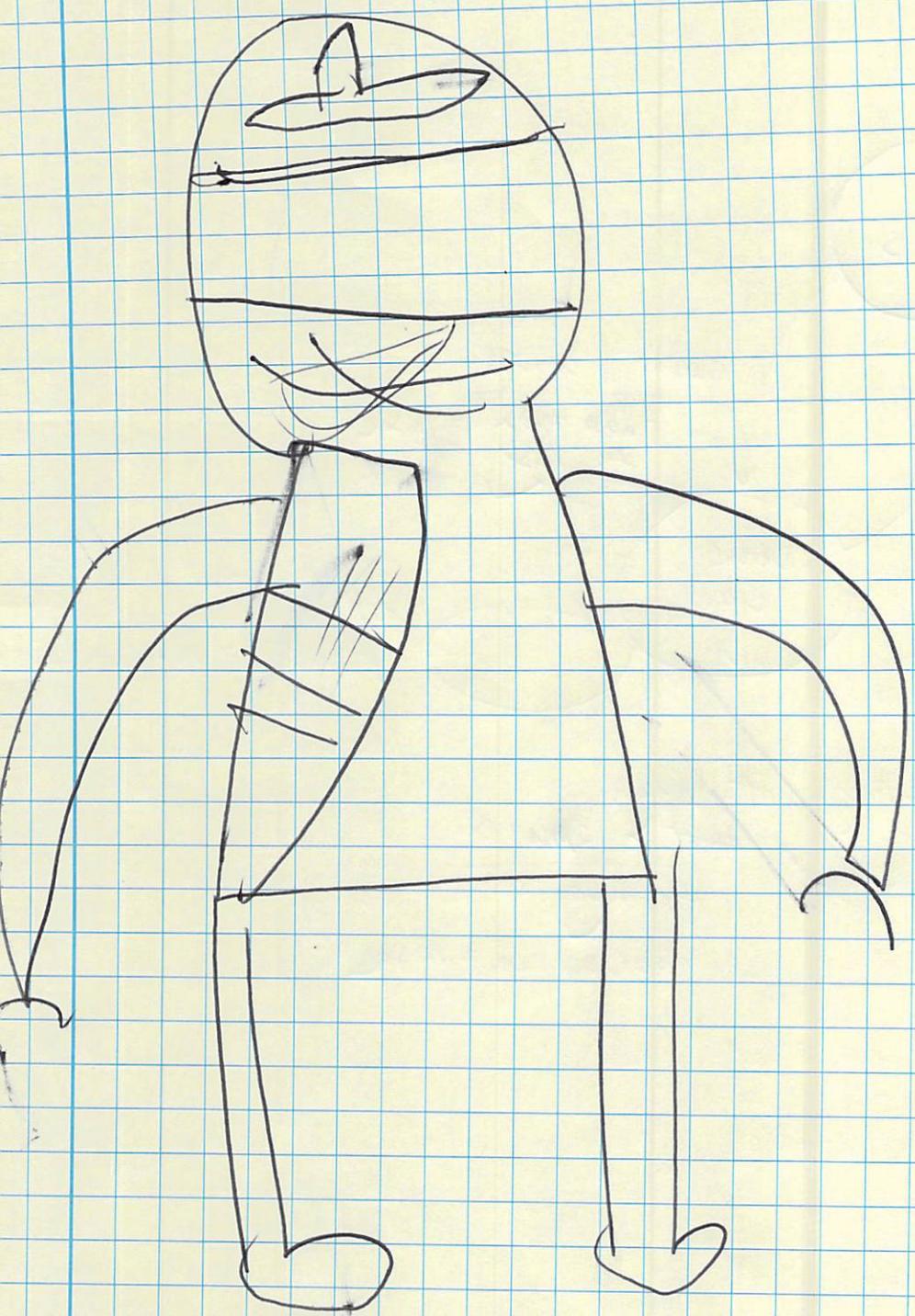
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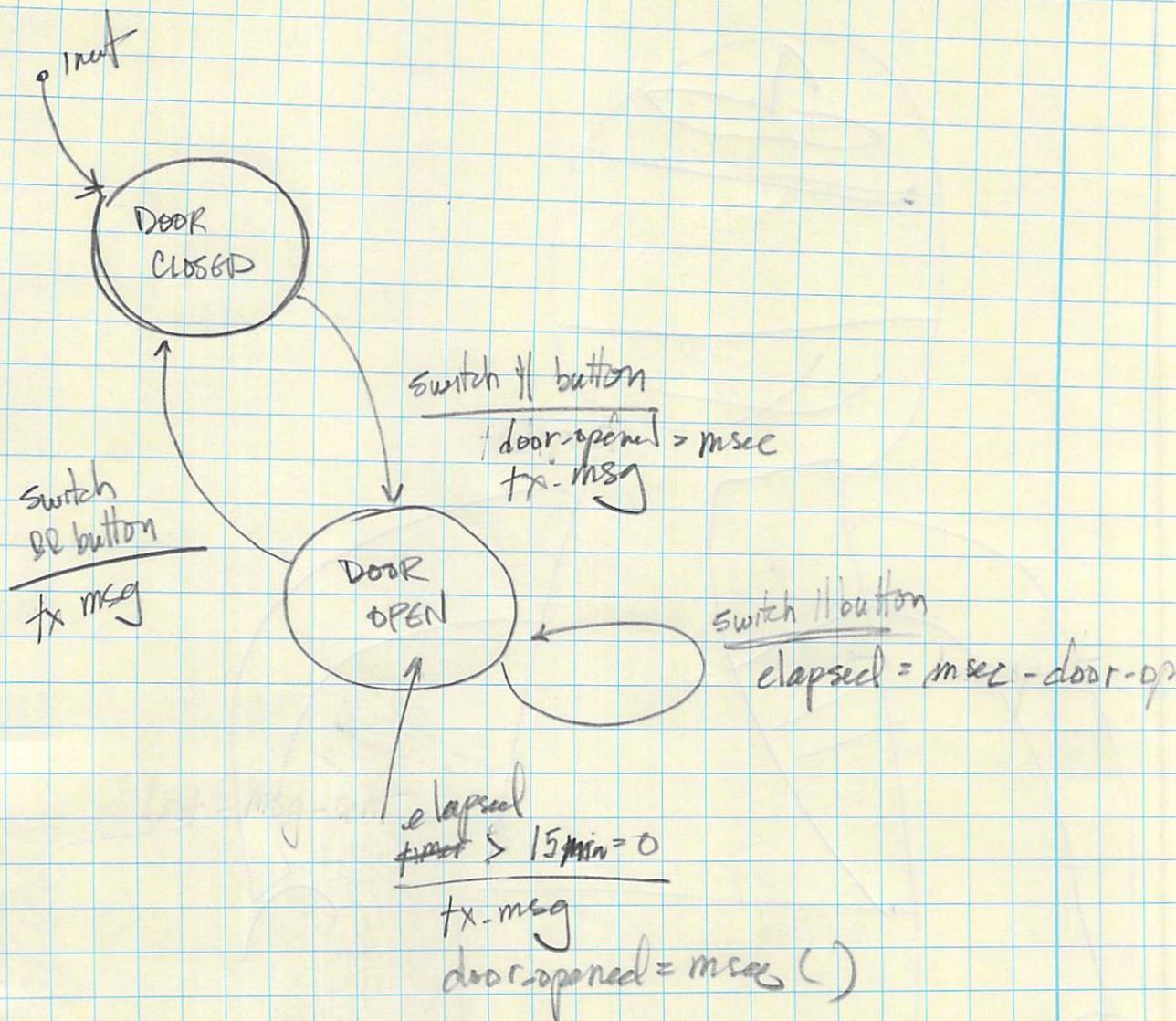


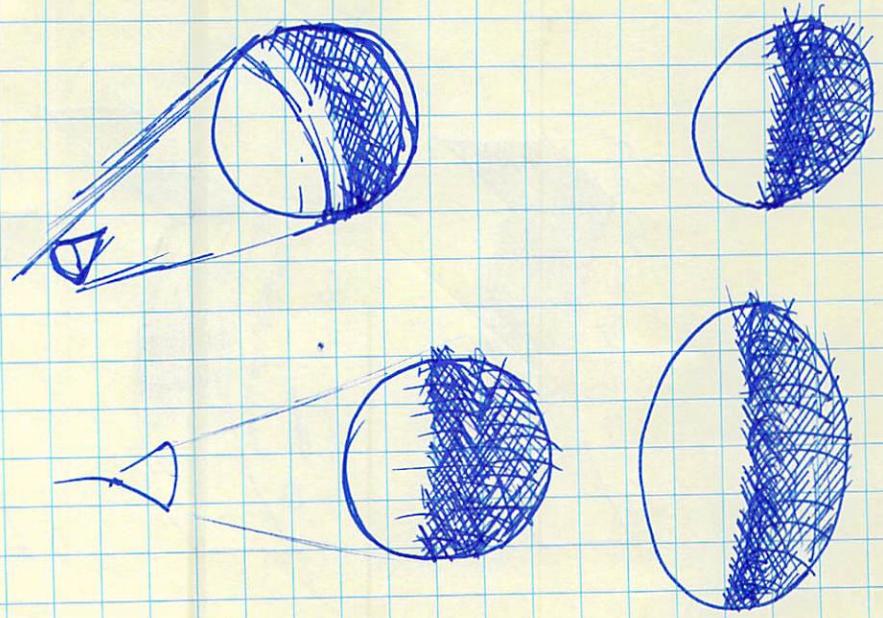
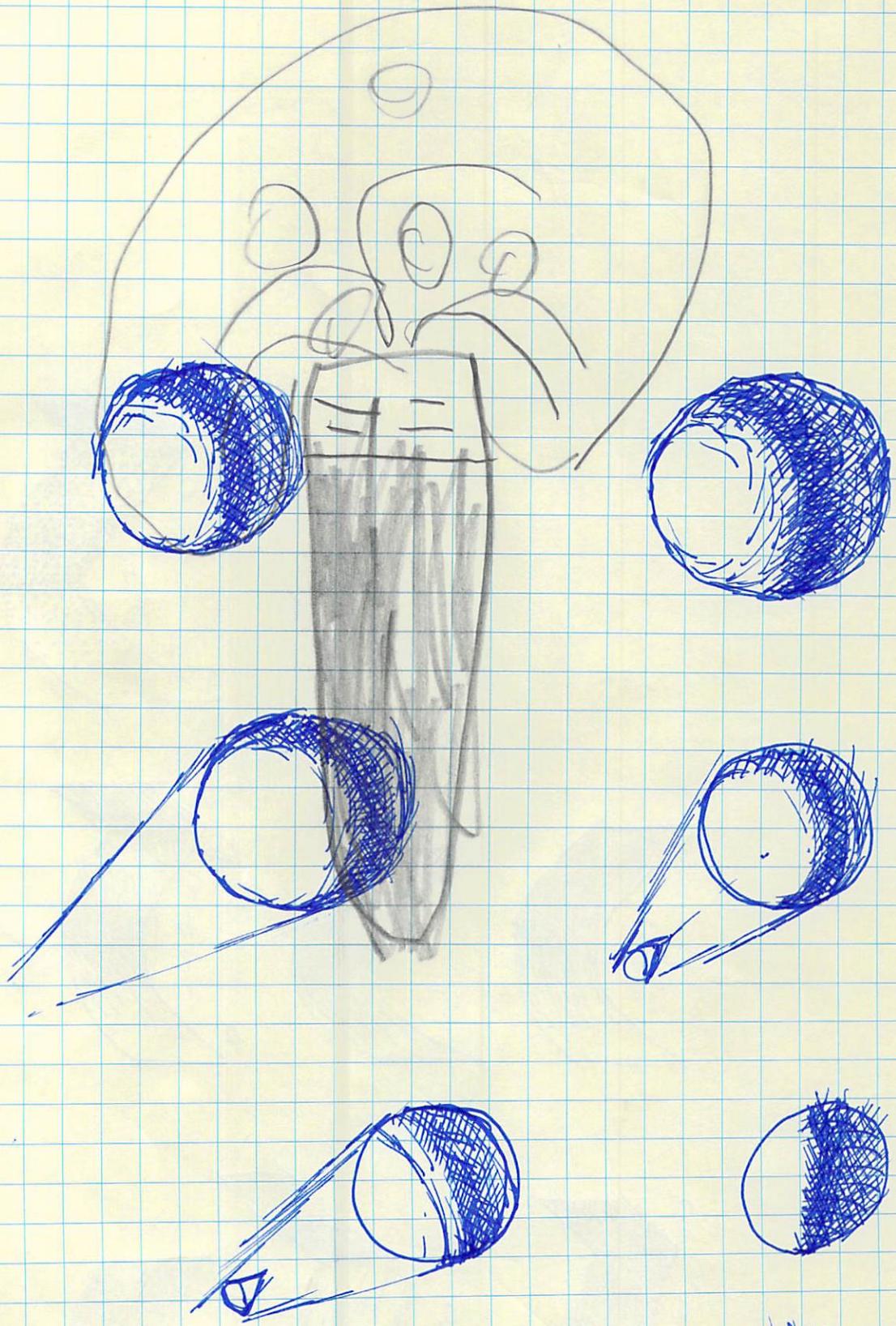


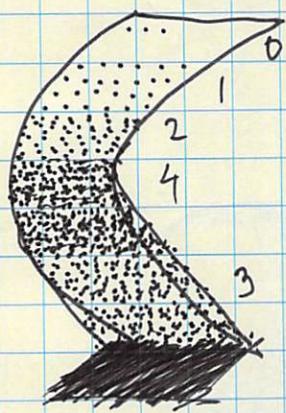
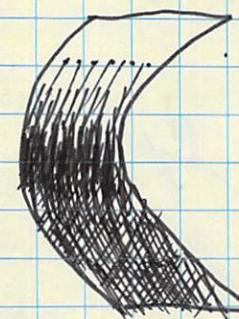
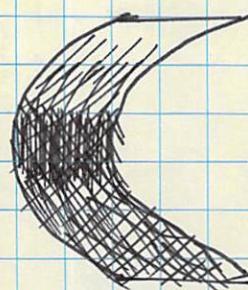
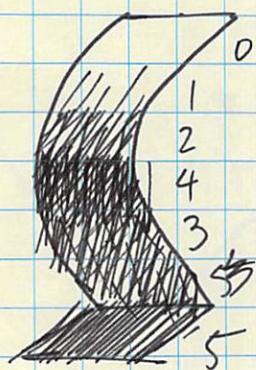
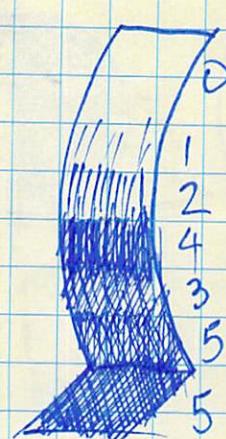
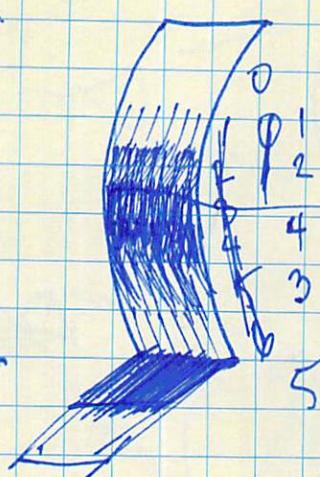
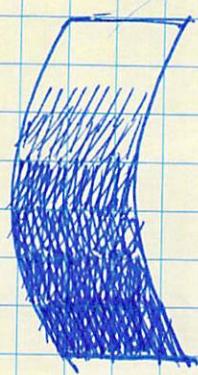


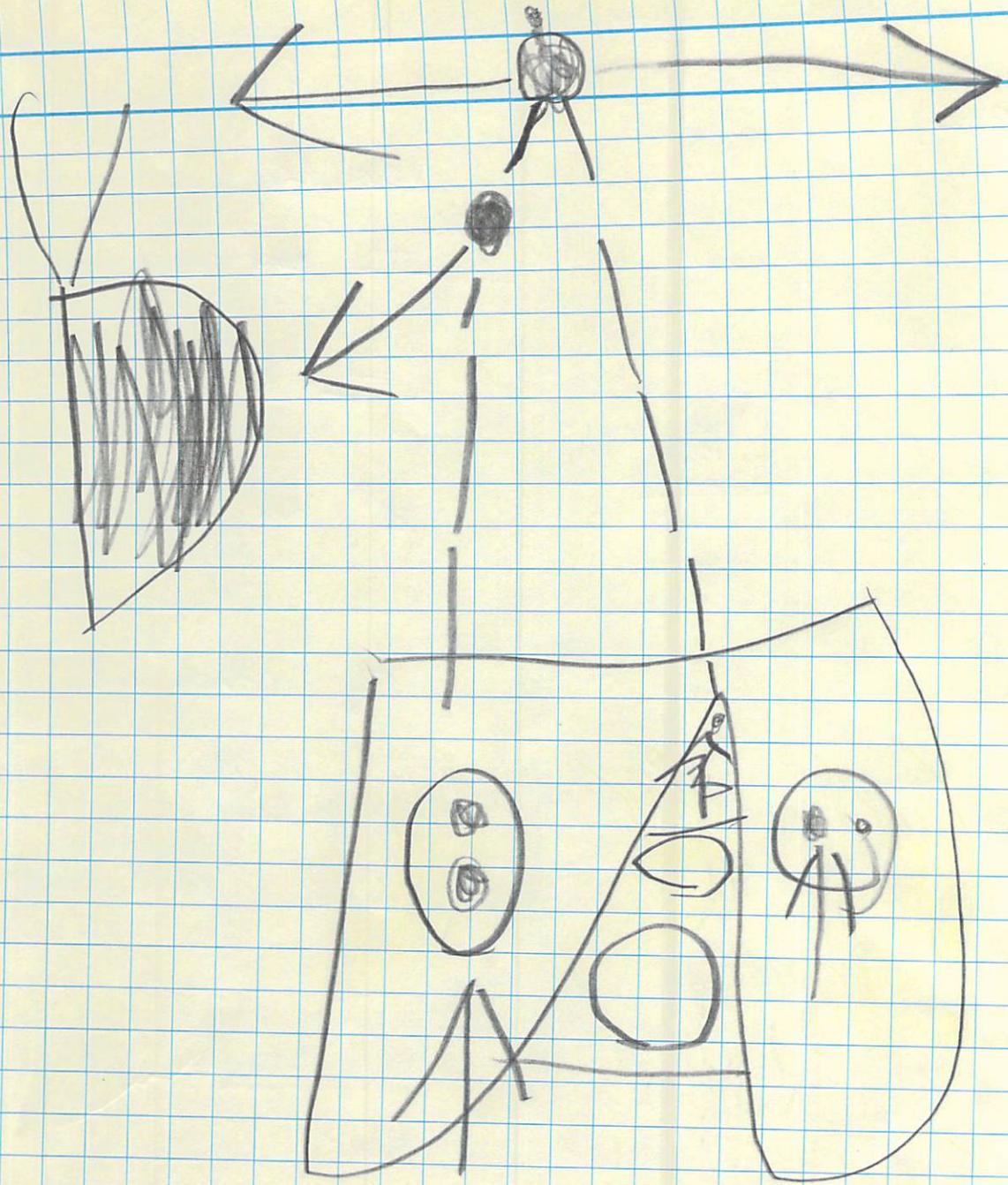
9/15

## DOORMAN









9/23

DOOR



Box Lid

- - door fest

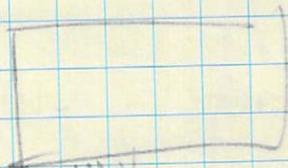
✗ door led



network Led

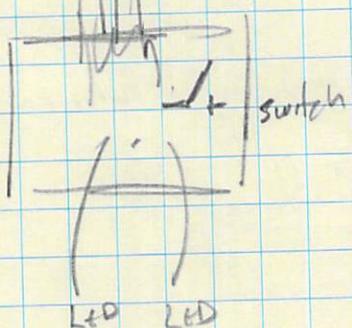
garage Door

- - reed switch



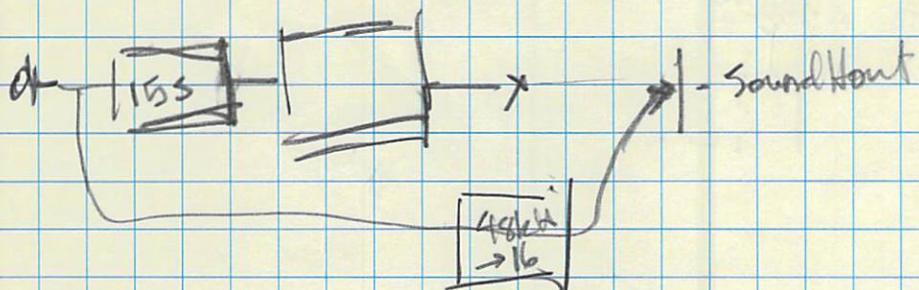
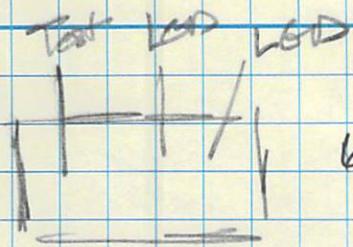
Box Bottom

Power



Inside

Reset Button



### CONNECTION

Door test

### PARTS

Micro switch cover  
Toggle switch, Dual throw  
Female header connector

2x Ribbon Crimp Connector, 2x3 pins  
2x Pin shrouded Header, 2x3 pins  
Ribbon cable, 6-wire, 15 ft

Snappable protoboard \$7.98

1 ..

Door LED

Use existing mountable LED

Network LED

", Different color

Reed switch

Screw terminal 5mm Pitch 2pins  
Accept 14 AWG (thin lamp cord)

Lamp cord

Power

USB charger

Board standoffs

9/30

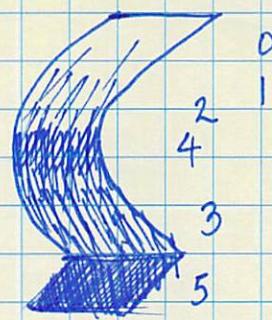
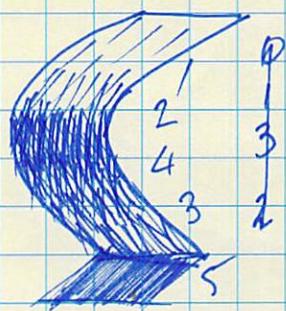
## Everything left to Do:

Build up main board

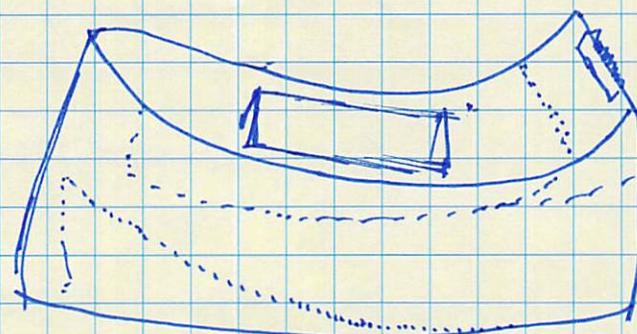
Build up lid board

Mount it on garage door

Publish to github ↗

In upload.sh, do sed to  
write IFTTT key

5, 4 → Deepest shades  
for shadow borders

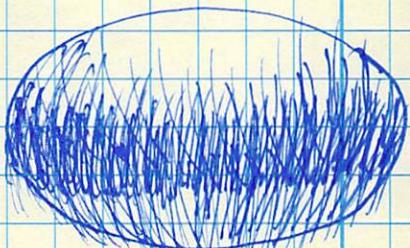
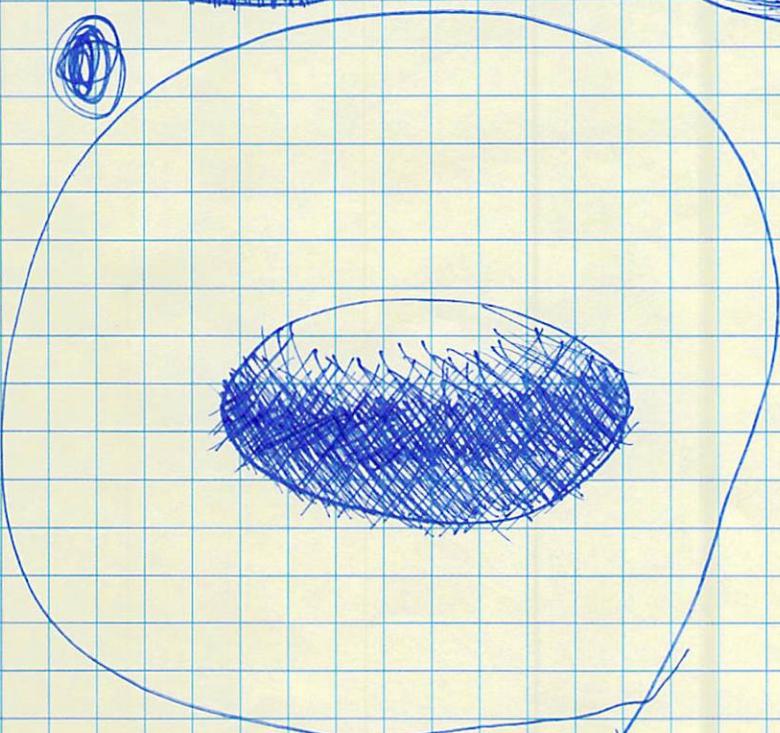
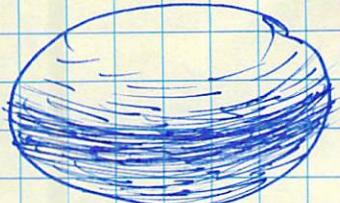
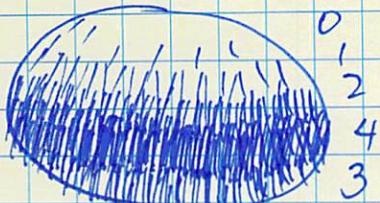
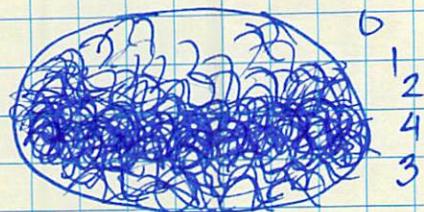
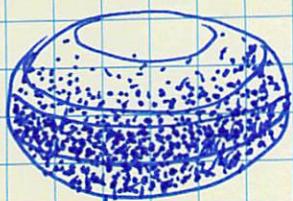


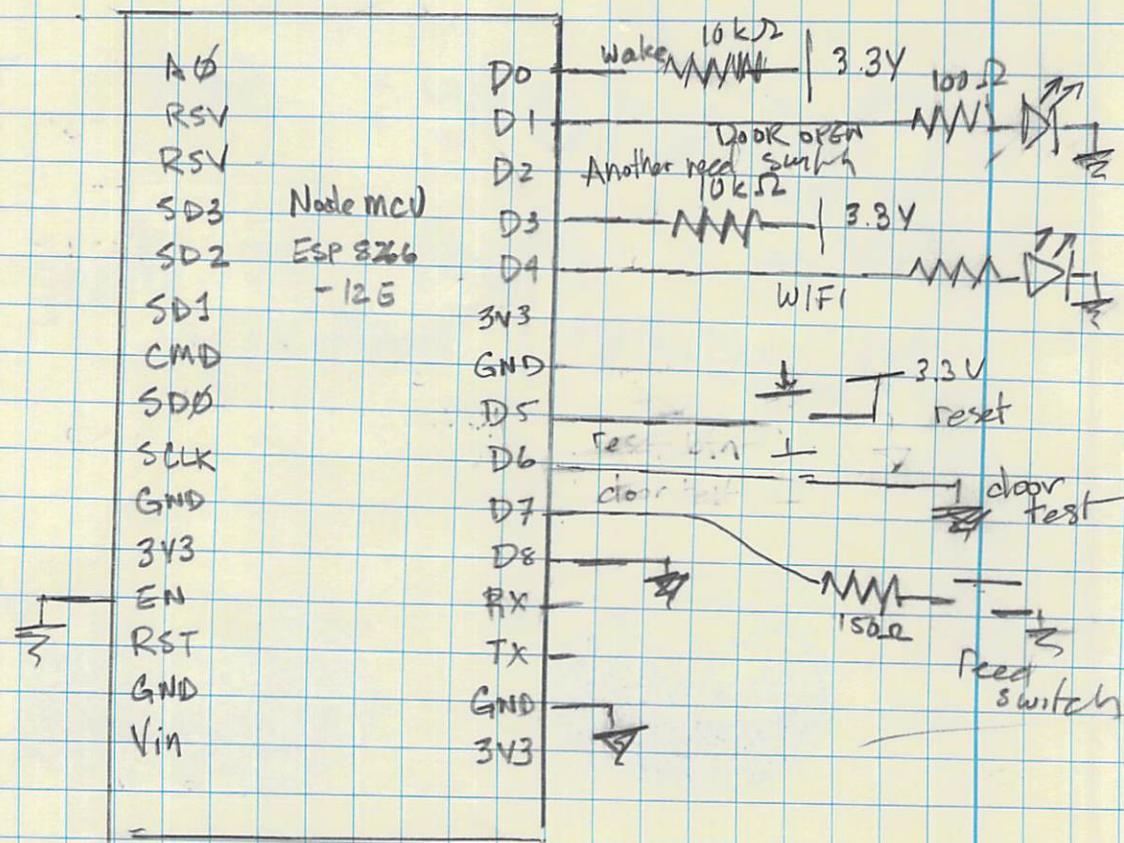
Galaxy

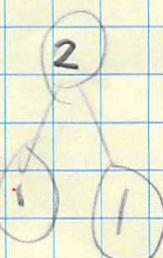
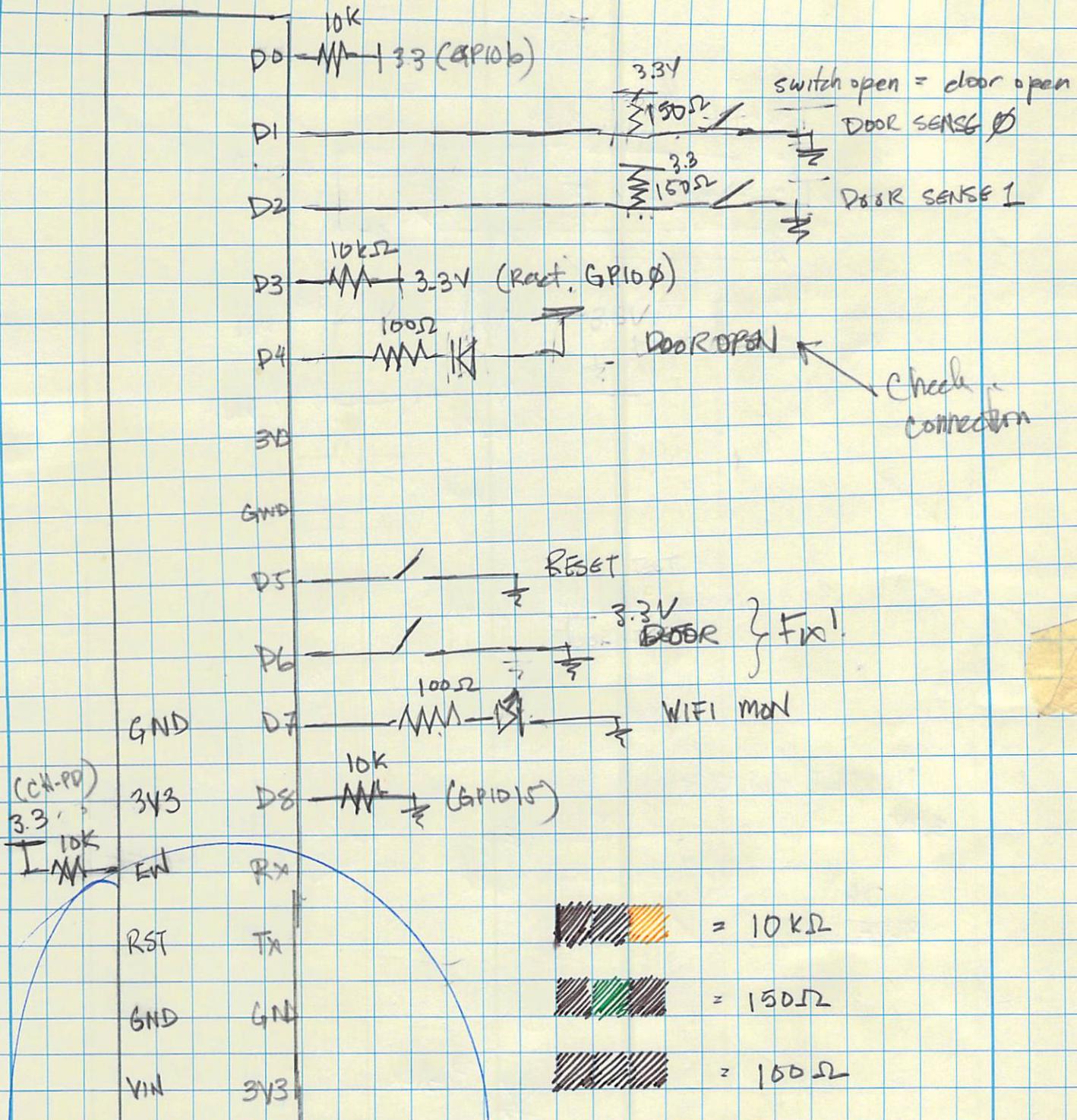
Ball

rules

Objective: Get the ball  
from planet to planet to planet  
to your galaxy.







1b/12

