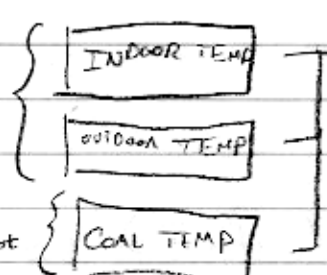


INTERFACE

LED Matrix?
 LCD digits?
 LCD digits w/ LED indicators?
 ↳ ctrl. settings from here

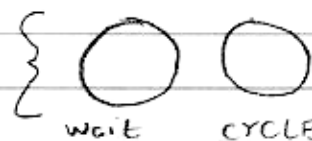
connect w/ I²C? RS232?

Only on during certain times?
 other methods?



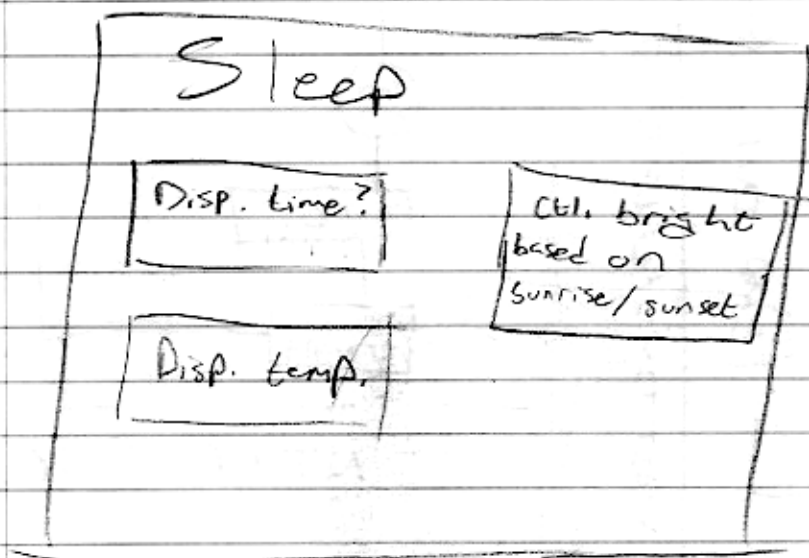
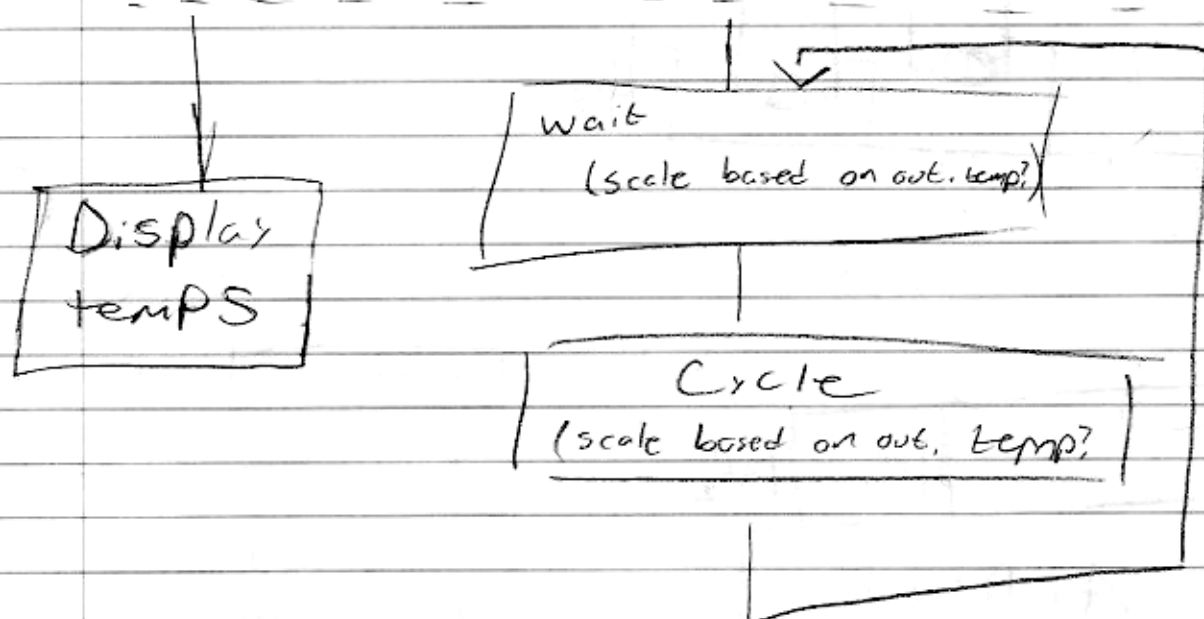
only on when stove is hot

linear Potentiometers



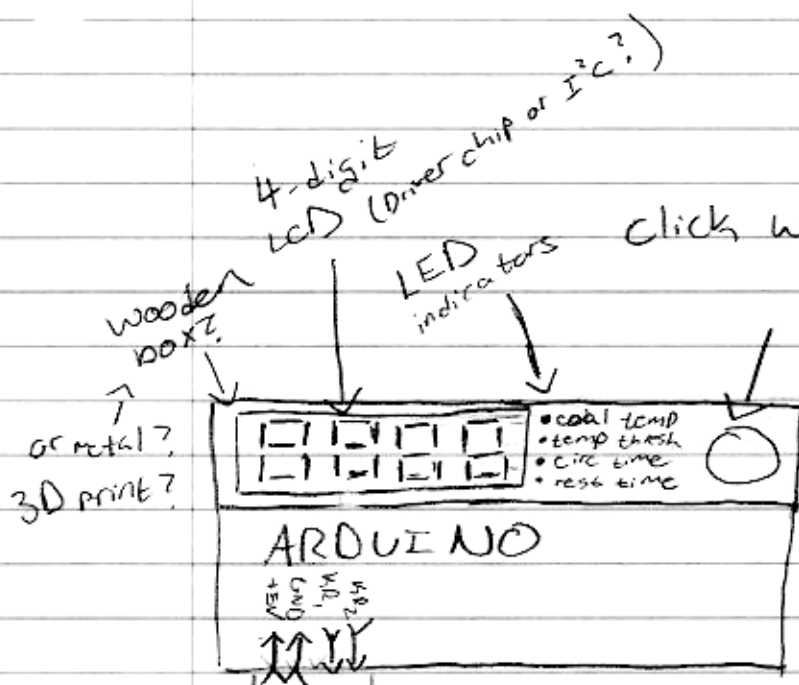
Prog. Slow

Put Arduino to sleep when stove is cold
pull Arduino out of sleep when coal stove is hot



→ Net work attach Arduino (wifi?) to
get time, temp, sunrise/sunset, etc.

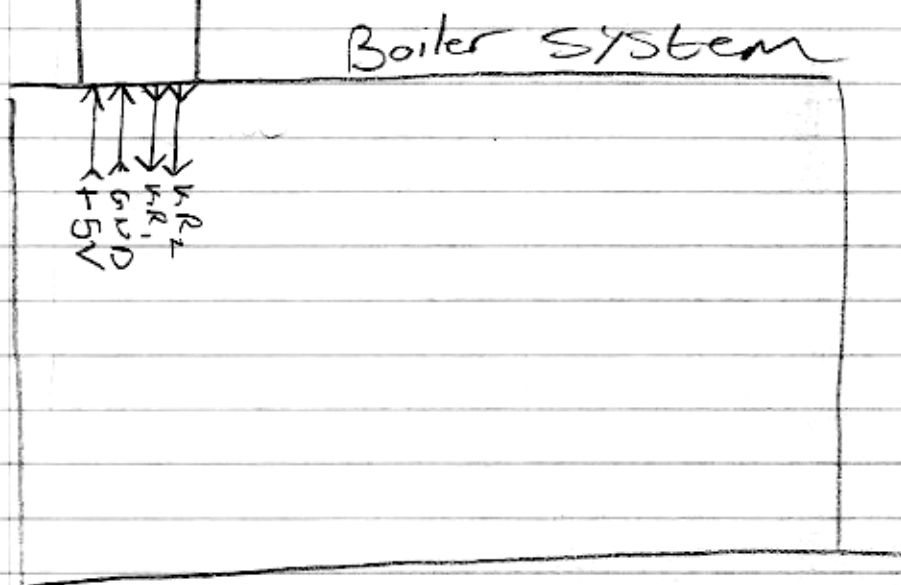
↳ mgmt interface?



click = select
turn = adjust

timeout:

- coal hot: to temp
- coal cold: off



INTERFACE

- LED matrix (info display)
↳ or LCD panel... easier disp. chl.
- Buttons
↳ menu, select, L, R } opt; hard code settings for case?

I²C? CAN? RS232? etc...

use rasp. pi if we
occasionally need interaction /
remote mgmt

To Internet ->

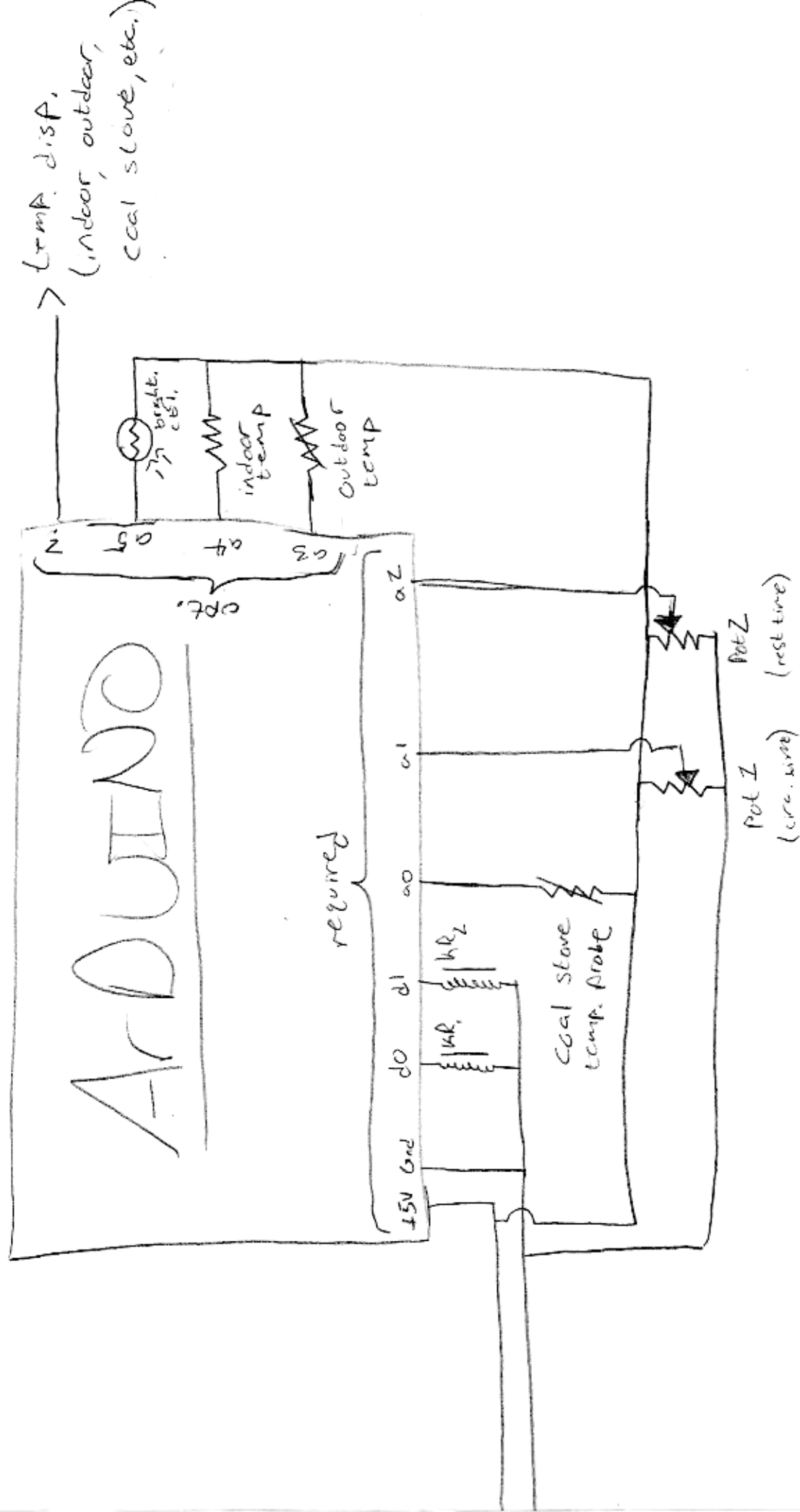
WiFi / Ethernet

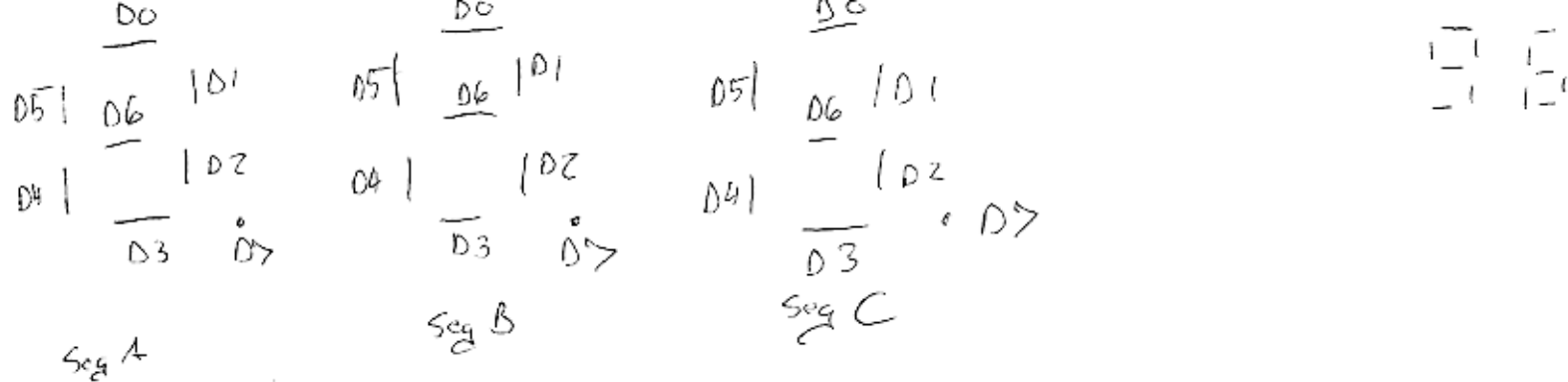
ARDUINO

- control relays
- handle data + networking

Relays

Temp
Probes





O: D0 D1 D2 D3 D4 D5

I: D1 D2

Z: D0 D1 D3 D4 D6

3: D0 D1 D2 D3 D6

4: D1 D2 D5 D6

5: D0 D2 D3 D5 D6

6: D0 D2 D3 D4 D5 D6

7: D0 D1 D2 D5

8: D0 - D6

9: D0 D1 D2 D3 D5 D6

(us): D3

A: D0 D1 D2 D4 D5 D6

B: D2 D3 D4 D5 D6

C: D3 D4 D6

D: D1 D2 D3 D4 D6

E: D0 D3 - D6

F: D0 D4 - D6

H: D2 D4 D5 D6

L: D3 D4 D5

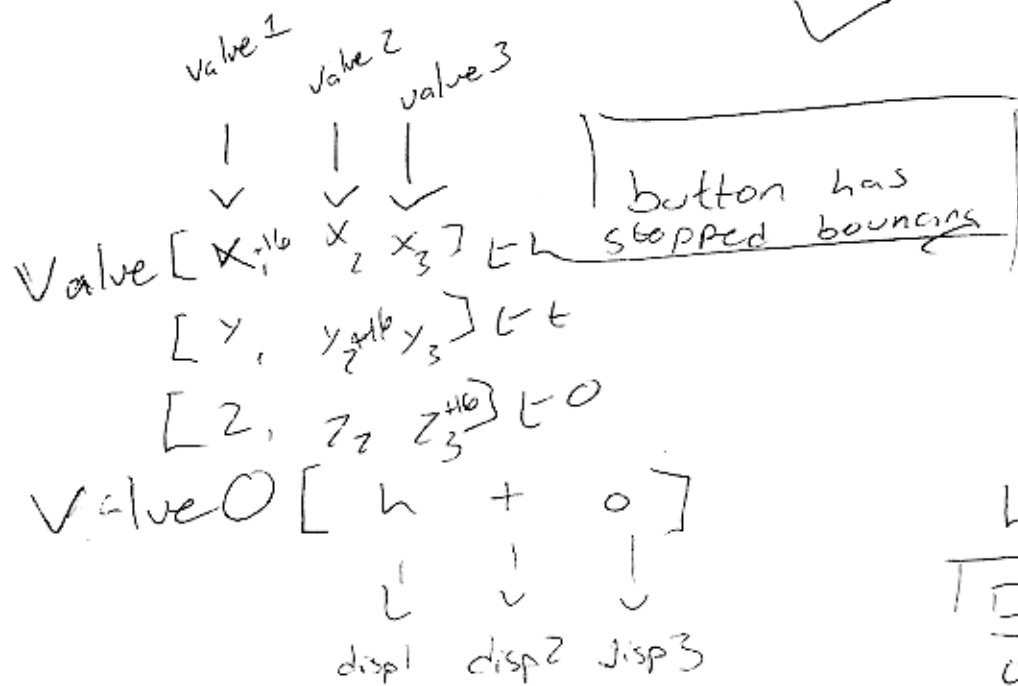
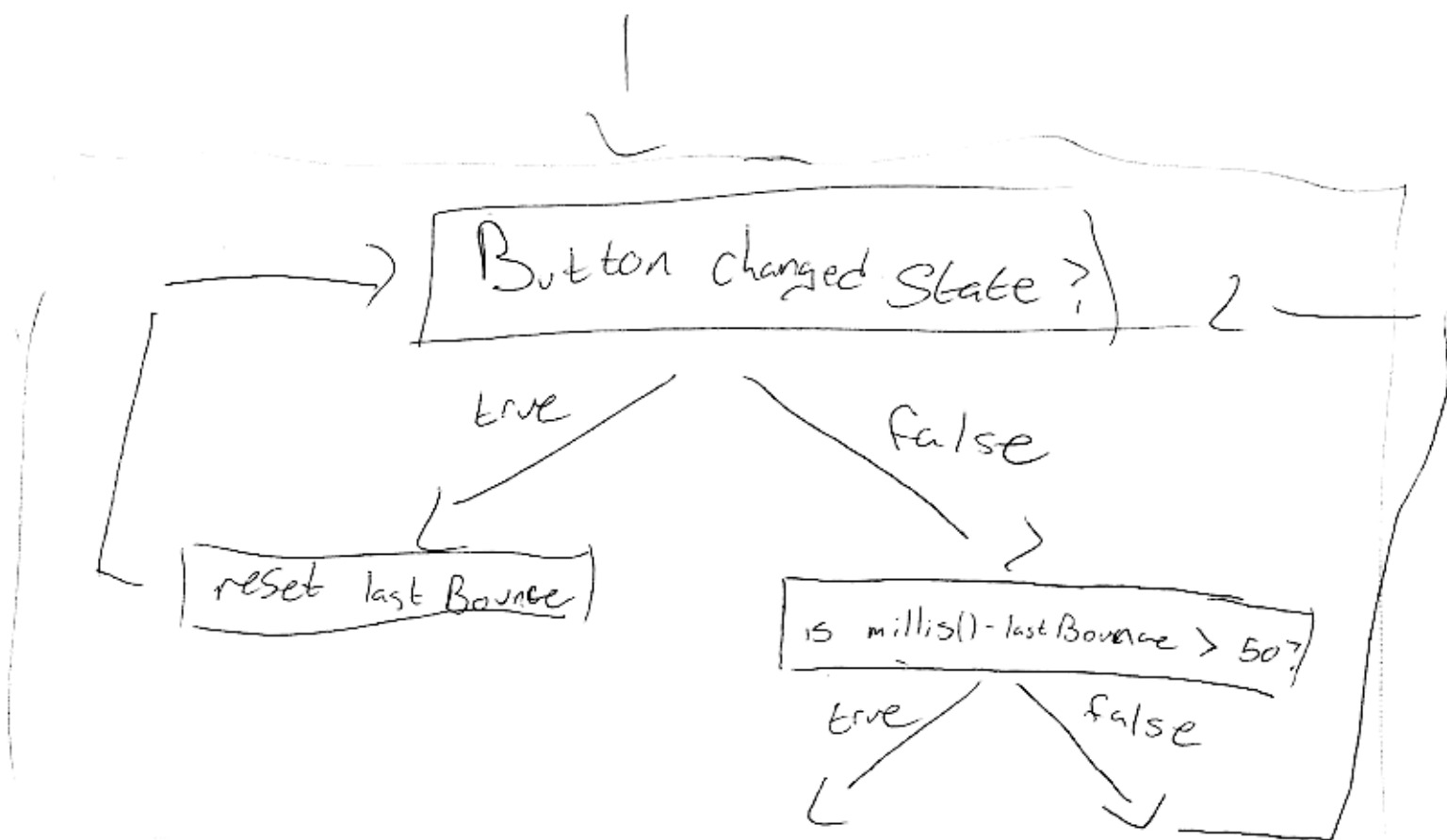
O: D2 - D4 D6

P: D0 D1 D4 - D6

R: D4 D6

V: D2 - D4

CALL



h	t	o
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0	1	2

Value - index [value][place]