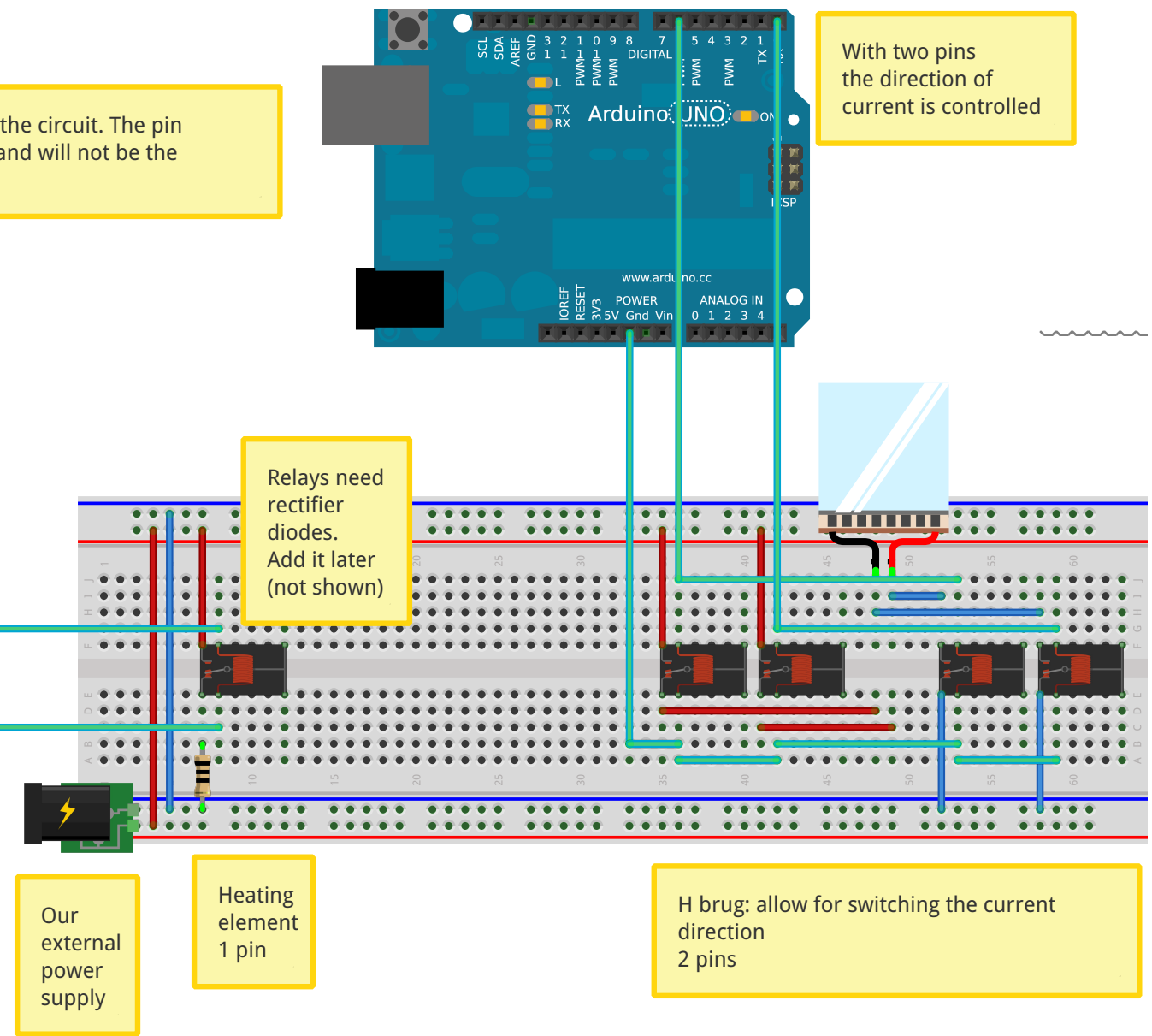
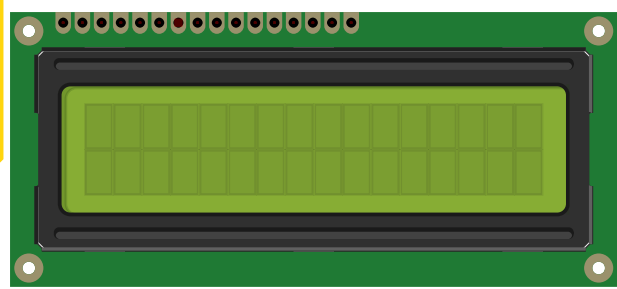


Use only one Arduino: I copied it for better clarity of the circuit. The pin number on the Arduino are chosen based on clarity and will not be the real pin numbers

2 thermistors
Determine resistor values by experiment
1 pin each

Switching of relay
1 per relay
Will need five
1 pin each

LCD: program will be put it by software
5 pins (not shown)



With two pins
the direction of
current is controlled

Relays need
rectifier
diodes.
Add it later
(not shown)

Our
external
power
supply

Heating
element
1 pin

H brug: allow for switching the current
direction
2 pins