

Cotxe teledirigit amb Arduino

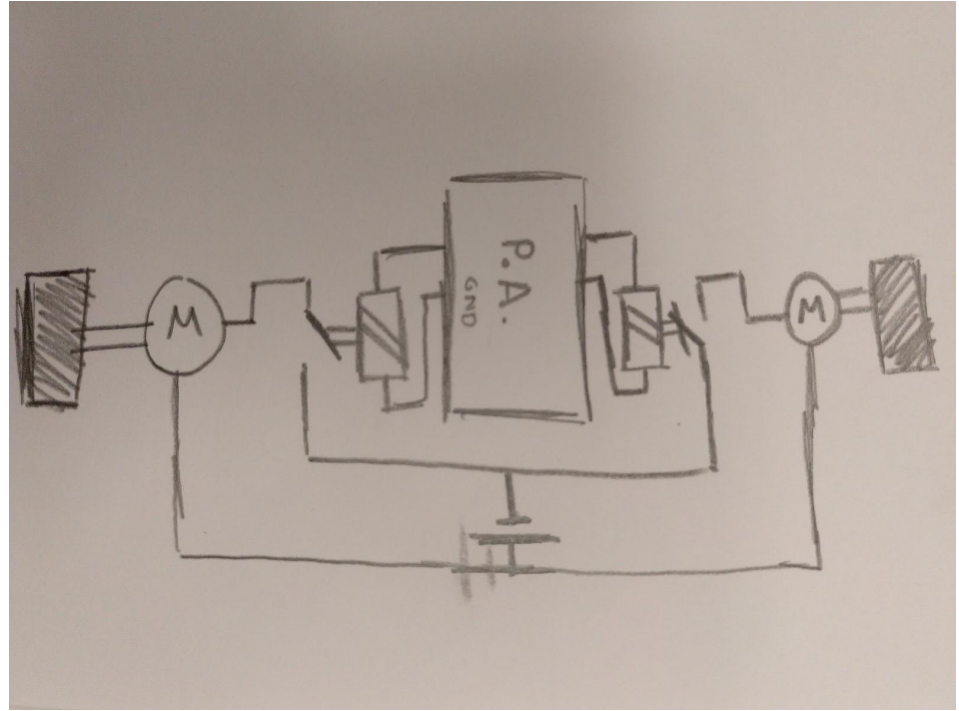
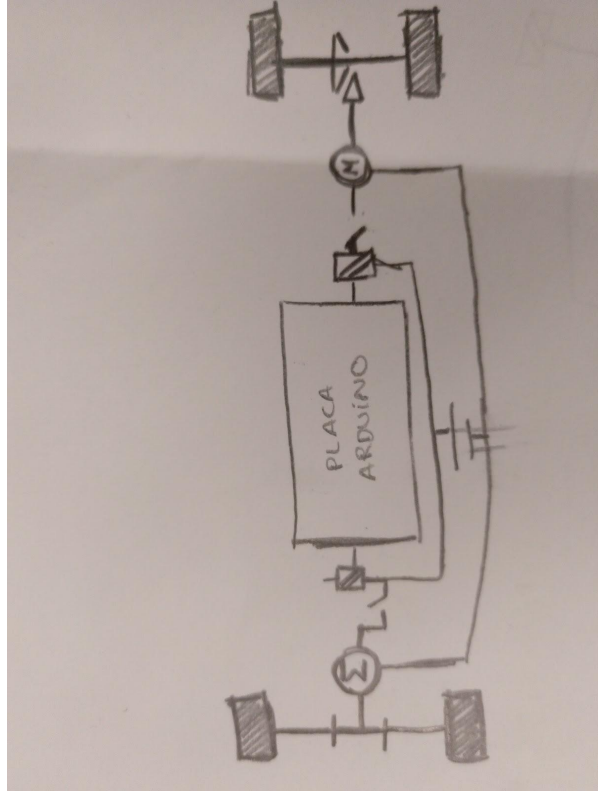
components:

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Objectius plantejats:

- Crear un cotxe teledirigit.
- Dissenyar la creació del cotxe.
- Aprendre a programar una placa Arduino.

POSSIBLES SOLUCIONES:



A custom-built micro-robot, likely a bio-inspired flying robot like a RoboBee. It features a transparent acrylic body mounted on a dark purple base. A Panasonic battery is visible inside the body. The robot has a single large yellow wheel with a black tread pattern. A complex network of colored wires (red, blue, green, yellow, black) is connected to the internal components. A small black component, possibly a microcontroller or sensor, is mounted on the top of the body. The robot is shown from a side-on perspective, highlighting its compact and intricate design.



Com programar el motors continus, que giri, etc?

```
char num;
int m1b = 4;
int m1a = 5;
int m2b = 6;
int m2a = 7;
int vel1 = 9;
int vel2 = 10;

void setup() {
  Serial.begin(9600);
  pinMode(m1a, OUTPUT);
  pinMode(m1b, OUTPUT);
  pinMode(m2a, OUTPUT);
  pinMode(m2b, OUTPUT);
  pinMode(vel1, OUTPUT);
  pinMode(vel2, OUTPUT);
  digitalWrite(m1a, LOW);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, LOW);
  digitalWrite(m2b, LOW);
  analogWrite(vel1, 100);
  analogWrite(vel2, 100);
}

void loop() {
  if( Serial.available() )
    num = Serial.read();

  if( num == '6' ){
    analogWrite(vel1, 100);
    analogWrite(vel2, 100);
  }
  else if( num == '7' ){
    analogWrite(vel1, 150);
    analogWrite(vel2, 150);
  }
  else if( num == '8' ){
    analogWrite(vel1, 200);
    analogWrite(vel2, 200);
  }

  if( num == '1' ){
    digitalWrite(m1a, HIGH);
    digitalWrite(m1b, LOW);
    digitalWrite(m2a, HIGH);
    digitalWrite(m2b, LOW);
  }
}
```

COST DEL TREBALL

El cost total del treball, unificant tot el material que hem comprat ha sigut de:

UN TOTAL DE 65'49€

Que ens ho hem dividit en parts iguals entre tots els components

Doncs ha suposat un cost de **16'37€/p.p**