TALLER

MANOS A LA OBRA: ROBÓTICA E INTELIGENCIA ARTIFICIAL PARA EL AULA

28 FEBRERO

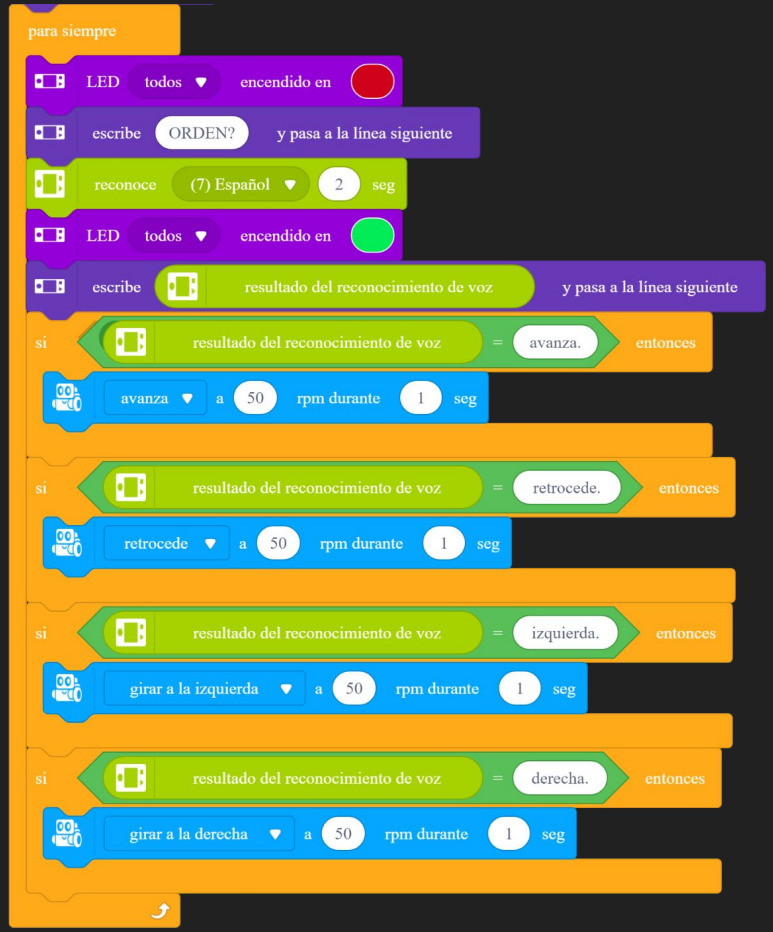
IA

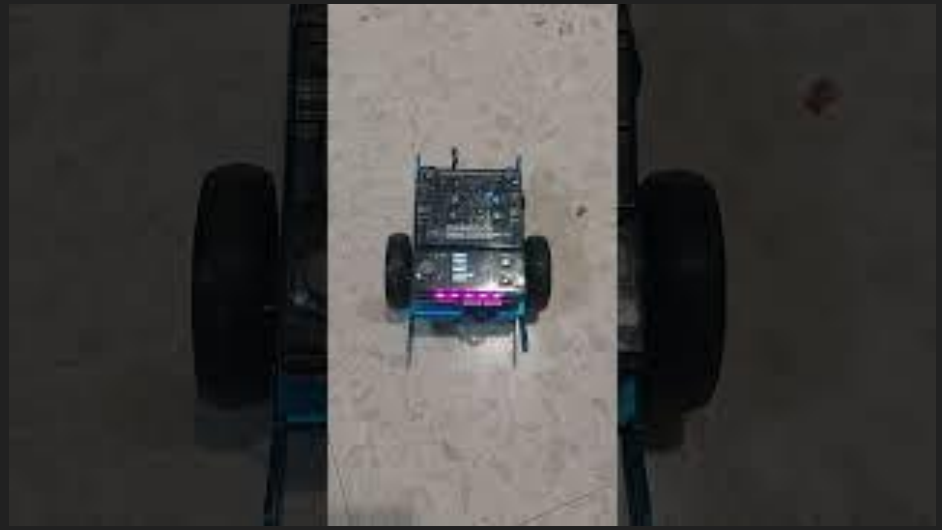
Navegando hacia el futuro

JAVIER QUINTANA

Con mBot +Cognitive Services

https://libros.catedu.es/books/cyberpi-y-mbot2/page/maquinas-educadas-reconocimiento-de-voz-ordenes-a-mbot2





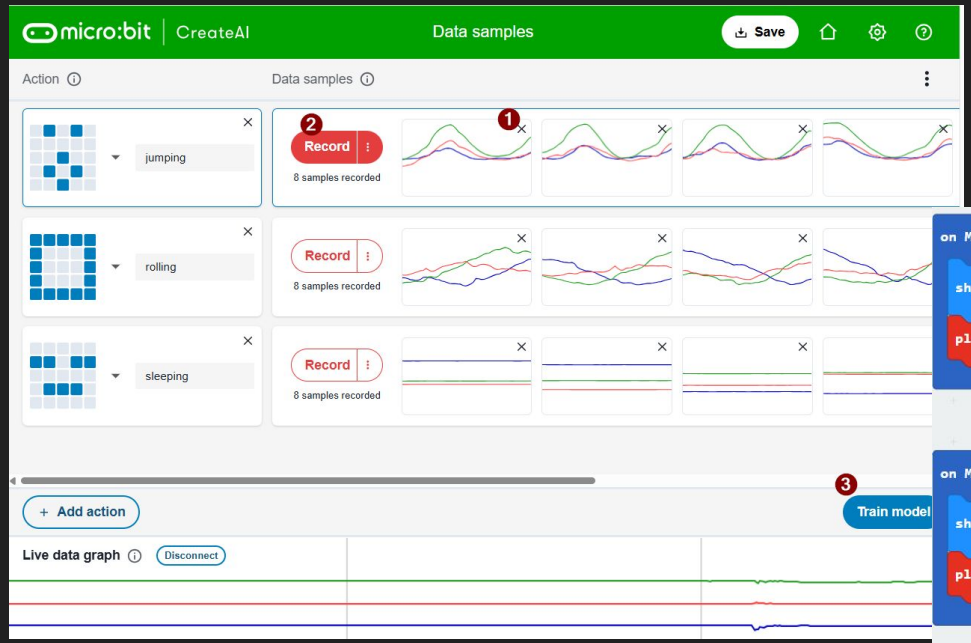
Con micro:bit + AI lens

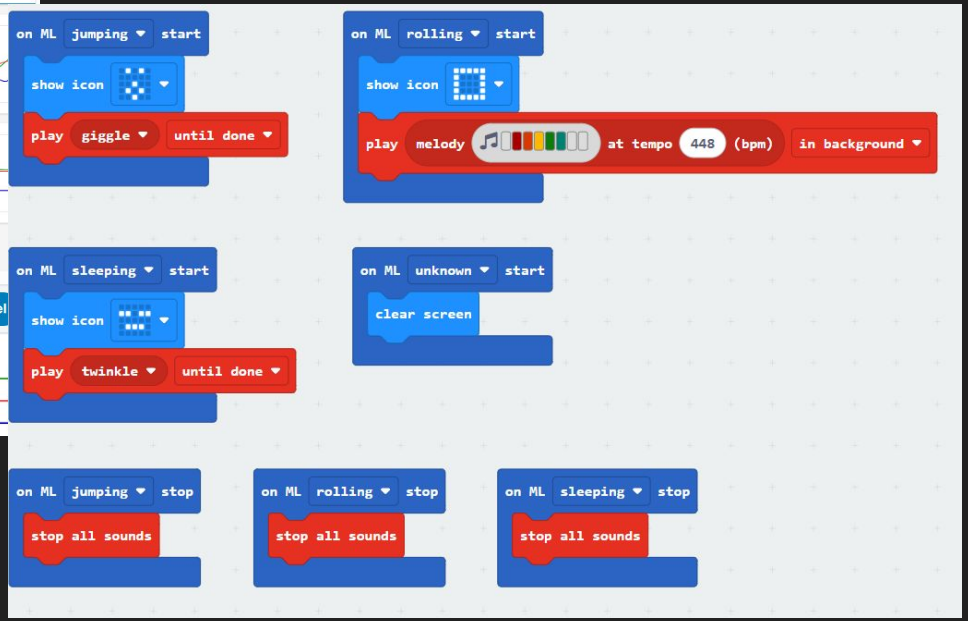
https://libros.catedu.es/books/cutebotai-lens/page/senales-de-trafico

```
forever
Get one image from AI-Lens
if Image contains traffic card(s): Forward then
    Set left wheel speed velocidad % right wheel speed velocidad %
if Image contains traffic card(s): Turn left then
    Go Left at speed 30 % for 0.5 seconds
    Set left wheel speed velocidad % right wheel speed velocidad %
    repeat 3 times
    do Get one image from AI-Lens
if Image contains traffic card(s): Turn right then
    Go Right at speed 30 % for 0.5 seconds
    Set left wheel speed velocidad % right wheel speed velocidad %
    repeat 3 times
    do Get one image from AI-Lens
if Image contains traffic card(s): Stop then
    Stop car immediatly
```

Con micro:bit + CreateAI

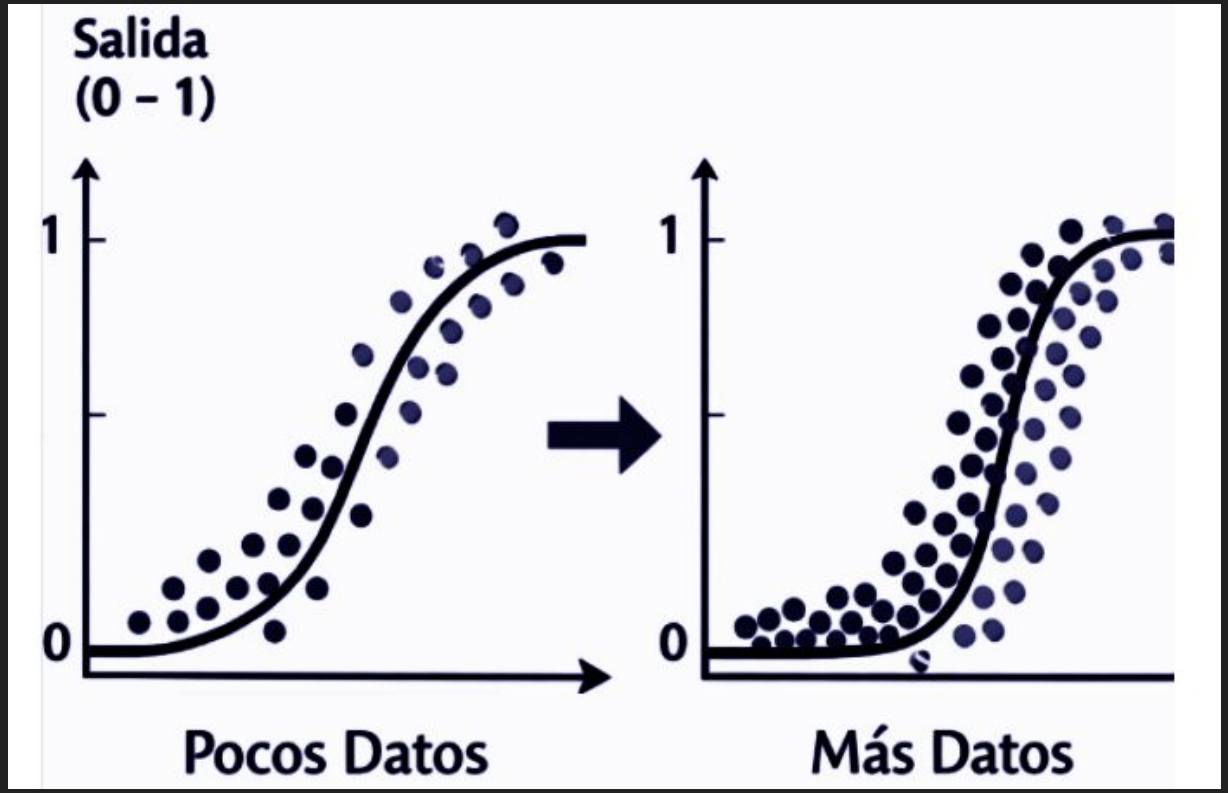
https://libros.catedu.es/books/microbit/page/entendiendo-a-mi-peluche





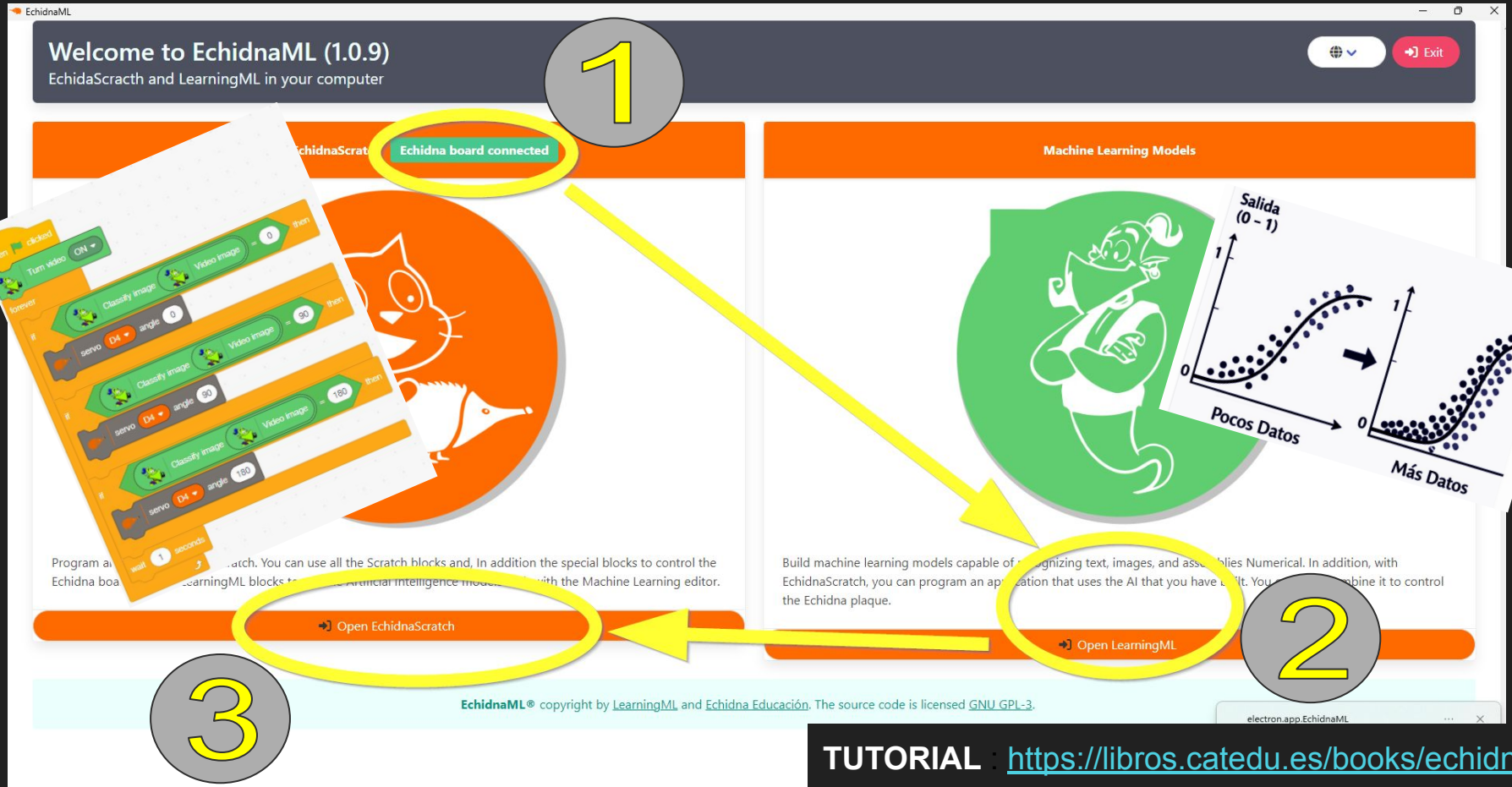
- **Echidna**
  - LearningML NoPT ML ❤️ 🔡 🎞️
- **Microbit**
  - CreateAI NoPT ML ❤️ 🔁 (aunque se precisa de 🛜 para su entrenamiento)
  - LearningML NoPT ML ❤️ 🔡 🎞️
  - Cutebot + AI Lens PT ML 🤖 🎞️
  - Teachable Machine Google NoPT ML 🛜 🔡
- **Makeblock: mBlock mBot1, CiberPi, mBot2**
  - Traductor PT ML 🛜 🔊
  - Cognitive Services PT ML 🛜 🔡 🎞️
  - Reconocimiento de voz PT ML 🛜 🔊
  - Teachable Machine NoPT ML 🛜 🎞️
  - Smart Cámera NoPT ML 🤖 🎞️
- **CrowPi**
  - Crowpi AI- Face Recognition NoPT ML (Python) 🎞️

Función Signoide



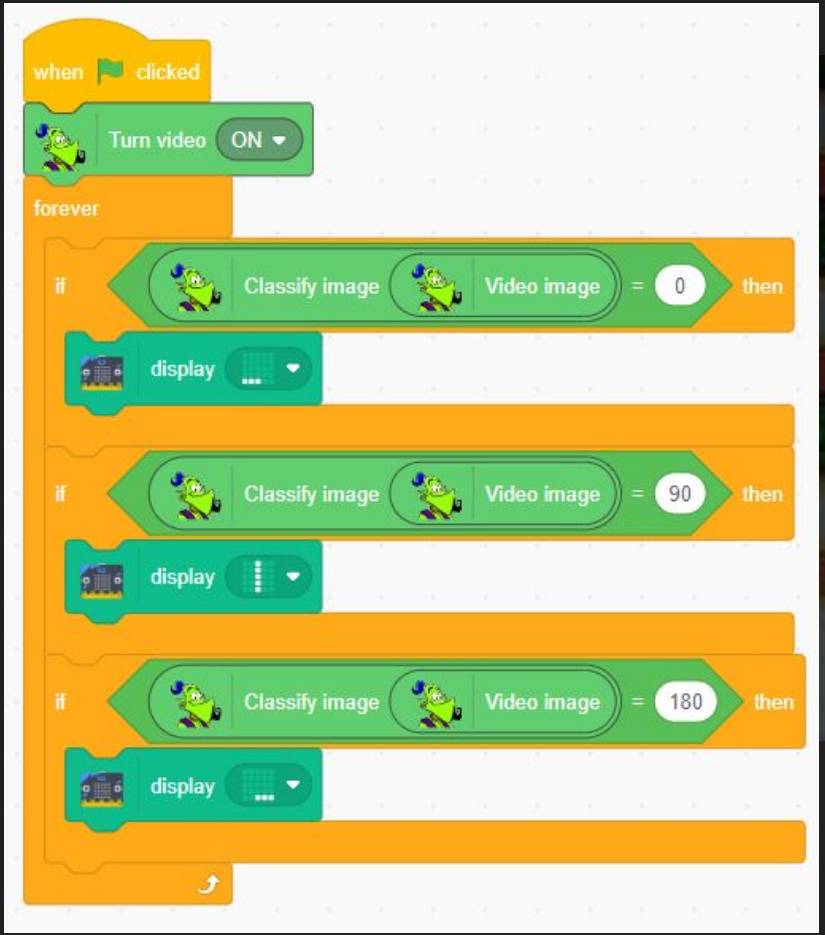
TUTORIAL : https://libros.catedu.es/books/echidna

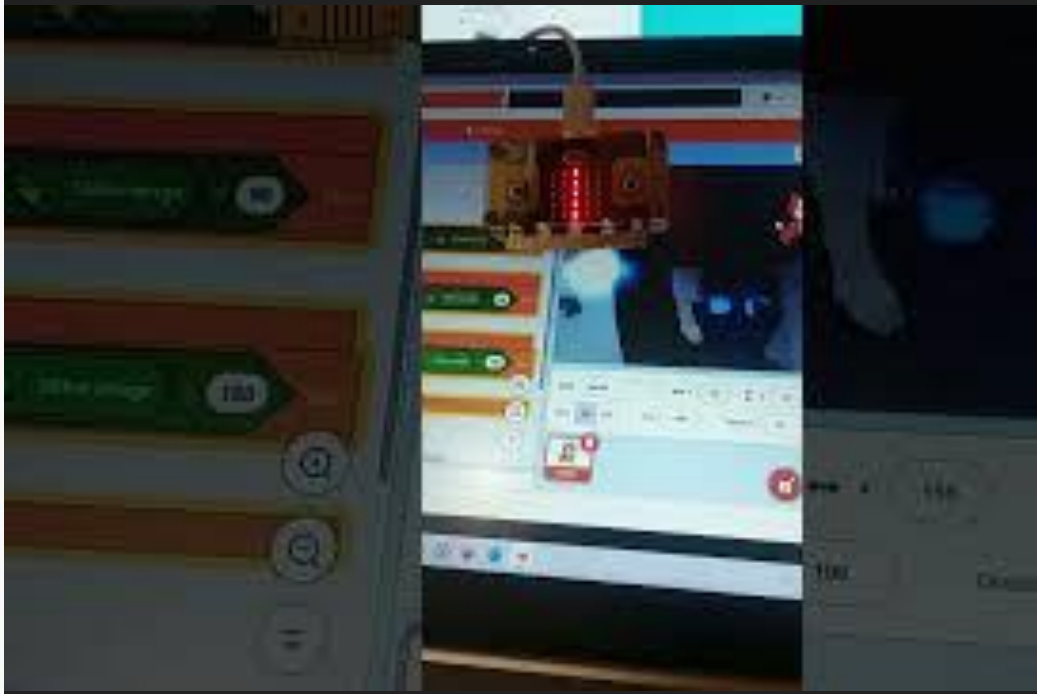
MANOS A LA OBRA



TUTORIAL : https://libros.catedu.es/books/echidna

Y con micro:bit





TUTORIAL : https://libros.catedu.es/books/microbit

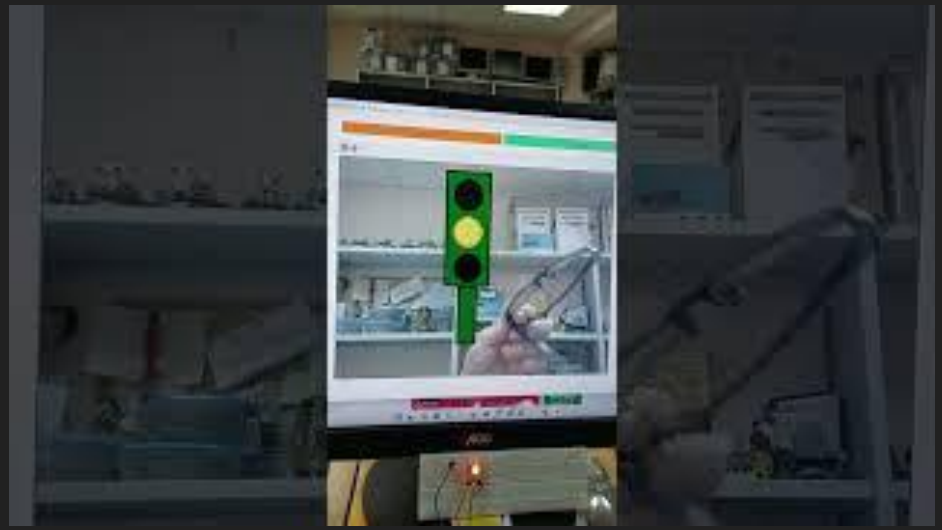
RECONOCIMIENTO DE MATRÍCULAS

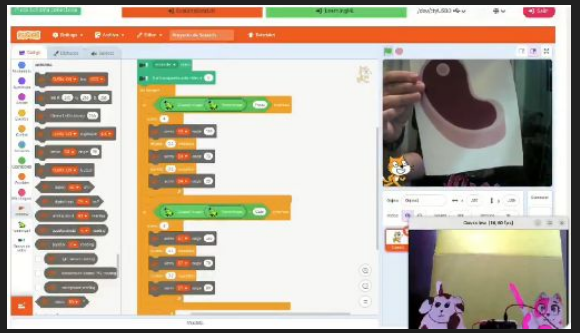
https://x.com/lobo_tic/status/1923996982516814064

¿Te atreves a hacer un videoportero inteligente?

TUTORIAL : https://libros.catedu.es/books/echidna

RECONOCIMIENTO DE IMÁGENES





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TUTORIAL : https://libros.catedu.es/books/echidna

RECONOCIMIENTO DE TEXTOS

TUTORIAL : https://libros.catedu.es/books/echidna

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TUTORIALES