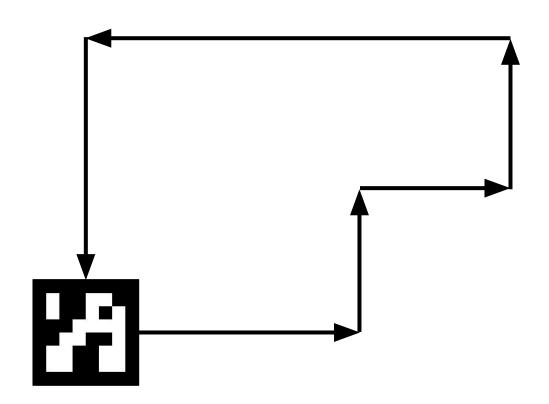
Lab09

追線

追線

- 起飛看aruco對齊
- 沿著黑線走,注意不可回頭
- 最後看到aruco降落
- 不限制任何方式



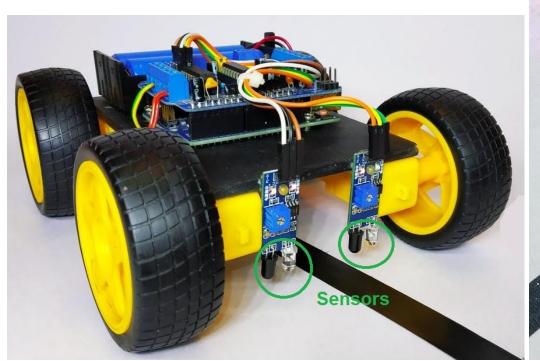
參考方法

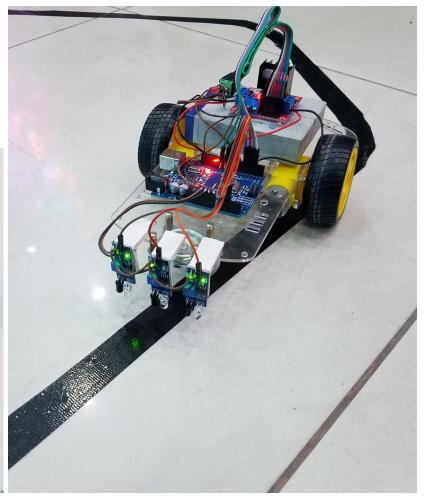
- 1. 判斷顏色
 - 可以參考Lab01
 - gray = cv2.cvtColor(frame, cv2.COLOR RGB2GRAY)
 - cv2.threshold(gray, threshold, 255, cv2.THRESH_BINARY)

參考方法

2. 偵測線

- gray = cv2.cvtColor(frame, cv2.COLOR RGB2GRAY)
- blur gray = cv2.GaussianBlur(gray, (kernel size, kernel size), 0)
 - 。 處理雜訊,kernel size值越大,模糊程度越大
- edges frame = cv2.Canny(blur gray, low threshold, high threshold)
 - o edge detector, threshold數字越大, 線條顯示的越少
- dilation = cv2.dilate(edges_frame, (kernel_size, kernel_size), iteration= 數字)
 - 增加影像邊緣的厚度
- erosion = cv2.erode(edges_frame, (kernel_size, kernel_size), iterations= 數字)
 - 減少影像邊緣的厚度





https://www.youtube.com/watch?v=LmEcyQnfpDA

