

生科報告

80402吳柏均



水果吐司的種類

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台北市的塞車問題



電鍋的原理

電鍋一般都有一個安裝於外鍋底部的溫度控制裝置。在內鍋的溫度達到攝氏100度之前，加熱裝置全力工作。直至鍋內多餘的水分被米吸收及蒸發後，內鍋溫度將會超過攝氏100度。此時，溫度控制裝置會把加熱裝置停止，或者轉到約攝氏65度的保溫狀態。

MicroBit跑步機 - 陀螺儀(加速計)3/16

測量自己的步幅, 並乘以 micro:bit 上獲得的步數, 即可計算出你行走的距離。

考慮採用其他項目的方法, 使電池壽命更長。







" I.

啟程 " 1

平凡世界 Ordinary world

2

冒險召喚 Call to adventure

3

拒絕召喚 Refusal to call

4

遇上師傅 Meeting with the mentor

5

跨越第一道門檻 Crossing the Threshold

" II.

啟蒙

考驗 " 6

考驗, 同伴, 敵人 Tests, allies, enemies

7

進入最深的洞穴 Approach to the inmost cave

8

磨難「中間點, 死亡和重生」 Ordeal

9

報酬「掌握寶劍」 Reward

" III.

歸返 " 10

回歸之路 The road back

11

復甦 Resurrection

12

"攜寶物歸來

「結局」"

Return with the elixir

使用Cutebot和AI鏡頭執行循線追蹤

The screenshot displays the Microsoft MakeCode for micro:bit interface. The left sidebar shows a list of blocks, including 'PlanetX_AI-Lens', 'CuteBot', and '進階' (Advanced). The main workspace contains a JavaScript script for line tracking using an AI lens.

```
function whenClicked() {  
  // 初始化 AI 鏡頭  
  Initialize AI-Lens  
  // 切換功能為 追蹤辨識  
  Switch function as Tracking recognition  
  顯示 圖示  
  // 設定初始速度  
  Set left wheel speed 20 % right wheel speed 20 %  
  // 從 AI 鏡頭獲取一張圖片  
  Get one image from AI-Lens  
  // 如果圖片包含向左的方向  
  如果 Image contains line's direction towards Left 那麼  
    Set left wheel speed 10 % right wheel speed 40 %  
  // 如果圖片包含向右的方向  
  否則如果 Image contains line's direction towards Right 那麼  
    Set left wheel speed 40 % right wheel speed 10 %  
  // 否則  
  否則  
    Set left wheel speed 20 % right wheel speed 20 %  
}
```

The script starts with 'Initialize AI-Lens' and 'Switch function as Tracking recognition'. It then sets initial wheel speeds to 20%. A loop of 'Get one image from AI-Lens' is followed by conditional blocks: '如果 Image contains line's direction towards Left' (then set left speed to 10% and right to 40%), '否則如果 Image contains line's direction towards Right' (then set left speed to 40% and right to 10%), and '否則' (then set both speeds back to 20%).

At the bottom of the window, the taskbar shows the file name 'MicroBHC01 循線追蹤_AI 擴' and the system tray with the date '2023/4/13' and time '下午 02:59'.