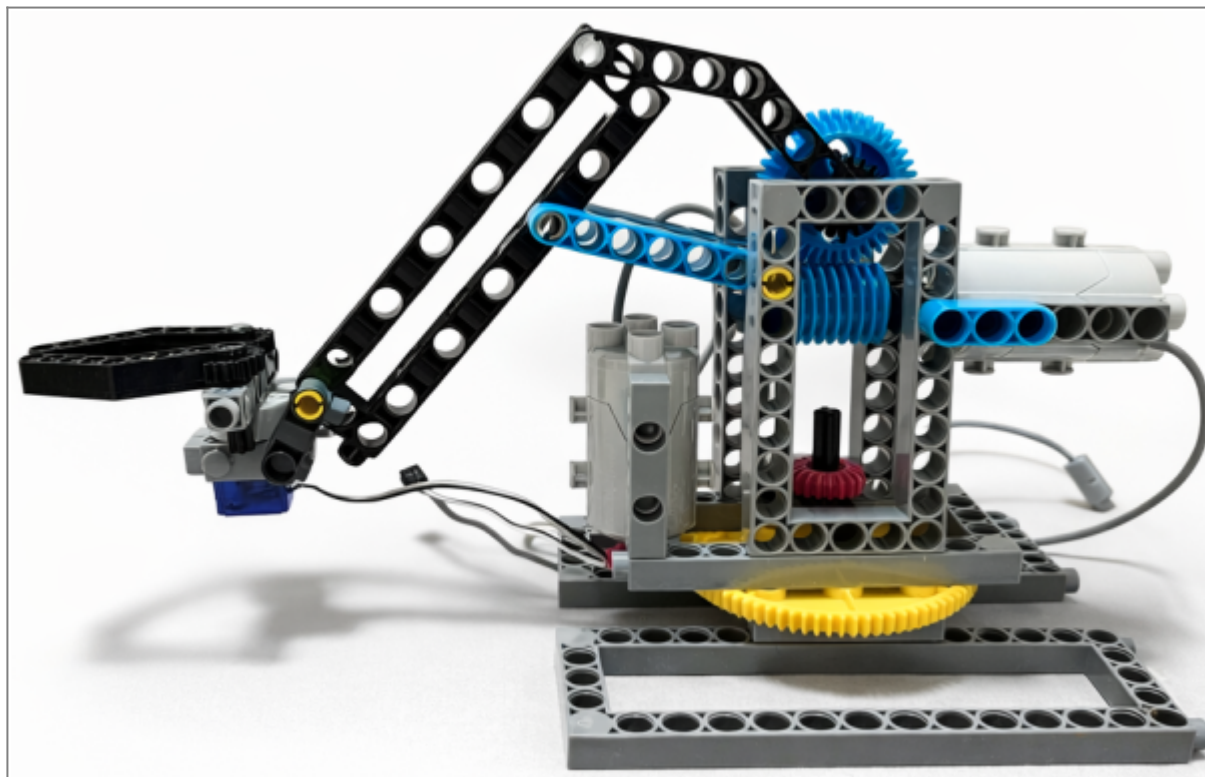




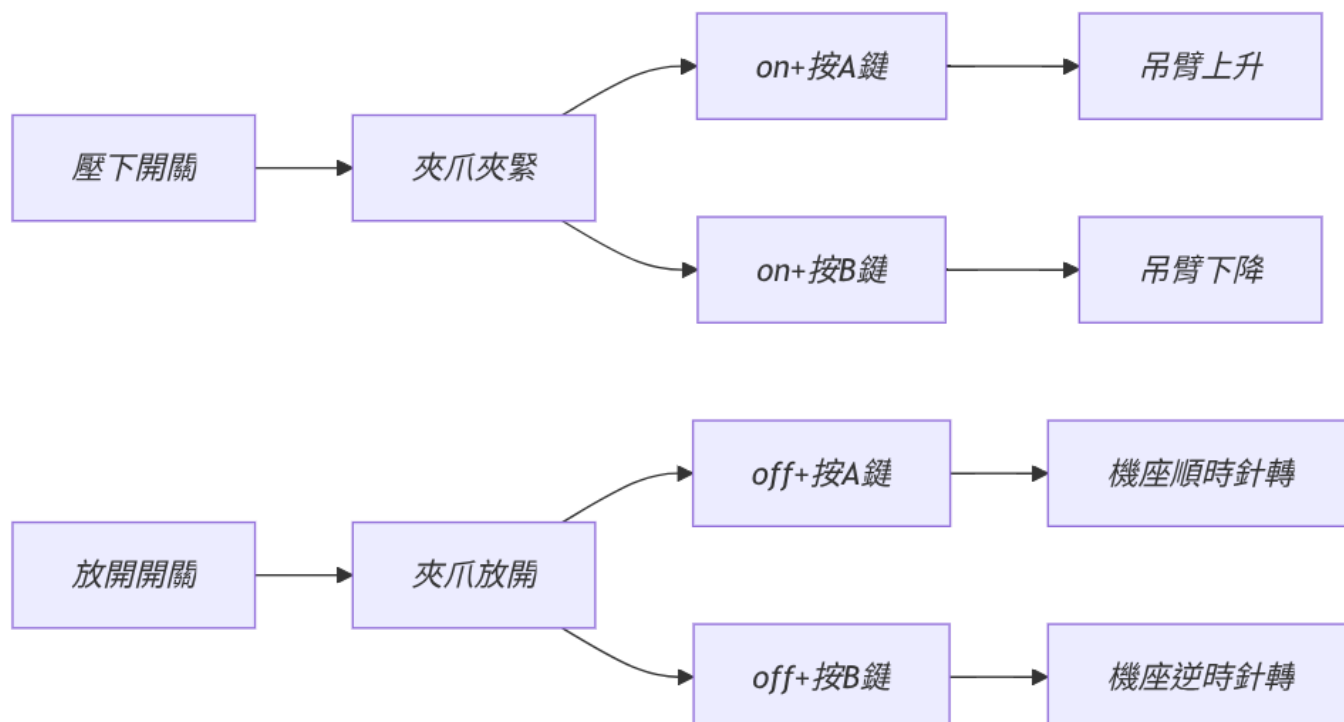
Microbit機械手臂



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組裝

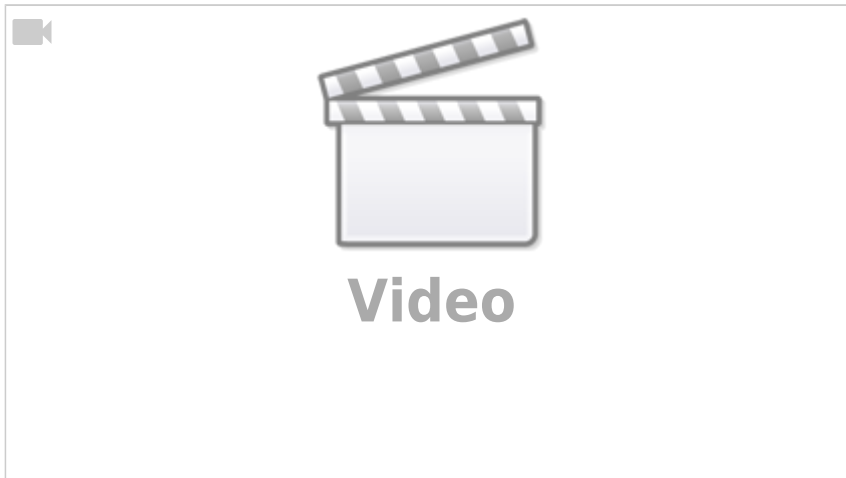
任務說明

利用2段式按鈕開關+主機上的AB鍵控制機器手臂做出夾放物、伸縮吊臂及旋轉平台等功能。



graph LR; 壓下開關-->夾爪夾緊-->on+按A鍵-->吊臂上升; 壓下開關(夾爪夾緊)-->on+按B鍵(吊臂下降); 放開開關(夾爪放開)-->off+按A鍵(機座順時針轉); 放開開關(夾爪放開)-->off+按B鍵(機座逆時針轉);

影片示範



程式參考

The code is organized into two main sections: a 'Repeat Forever' loop and an 'Else' block.

Repeat Forever Loop:

- If Pin P0 is pressed:** Set Servo Motor Position to 74.
- If Button A is pressed:** Set Motor Channel to A, Speed to 50, and Direction to 0.
- Else if Button B is pressed:** Set Motor Channel to A, Speed to 50, and Direction to 1.
- Else:** Set Motor Channel to A, Speed to 0, and Direction to 0.

Else Block:

- Servo Motor Position:** Set to 39.
- If Button A is pressed:** Set Motor Channel to B, Speed to 20, and Direction to 0.
- Else if Button B is pressed:** Set Motor Channel to B, Speed to 20, and Direction to 1.
- Else:** Set Motor Channel to B, Speed to 0, and Direction to 0.

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