Buttons control the microbit display

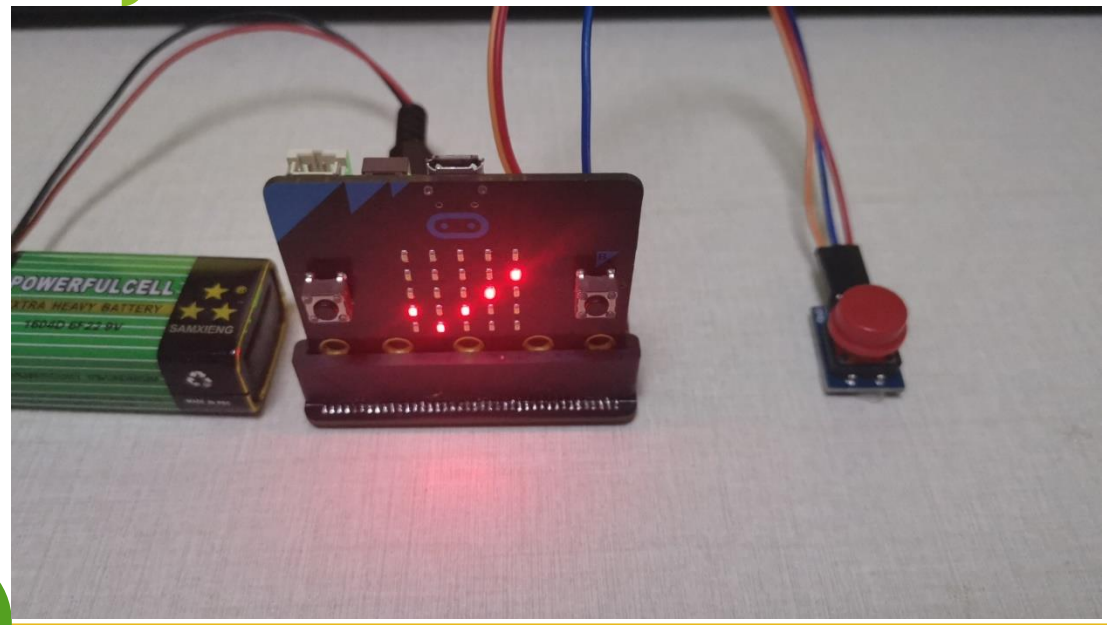
1、Achieve the goal

2、Preparation before class

3、Wiring

4、Block programming

Buttons control the microbit display



1、Achieve the goal

When the button module is connected to the extension board, the microbit screen displays a smiley face pattern, and when the button is pressed, the screen displays an X pattern, which is then pressed to display the √ pattern, and so on

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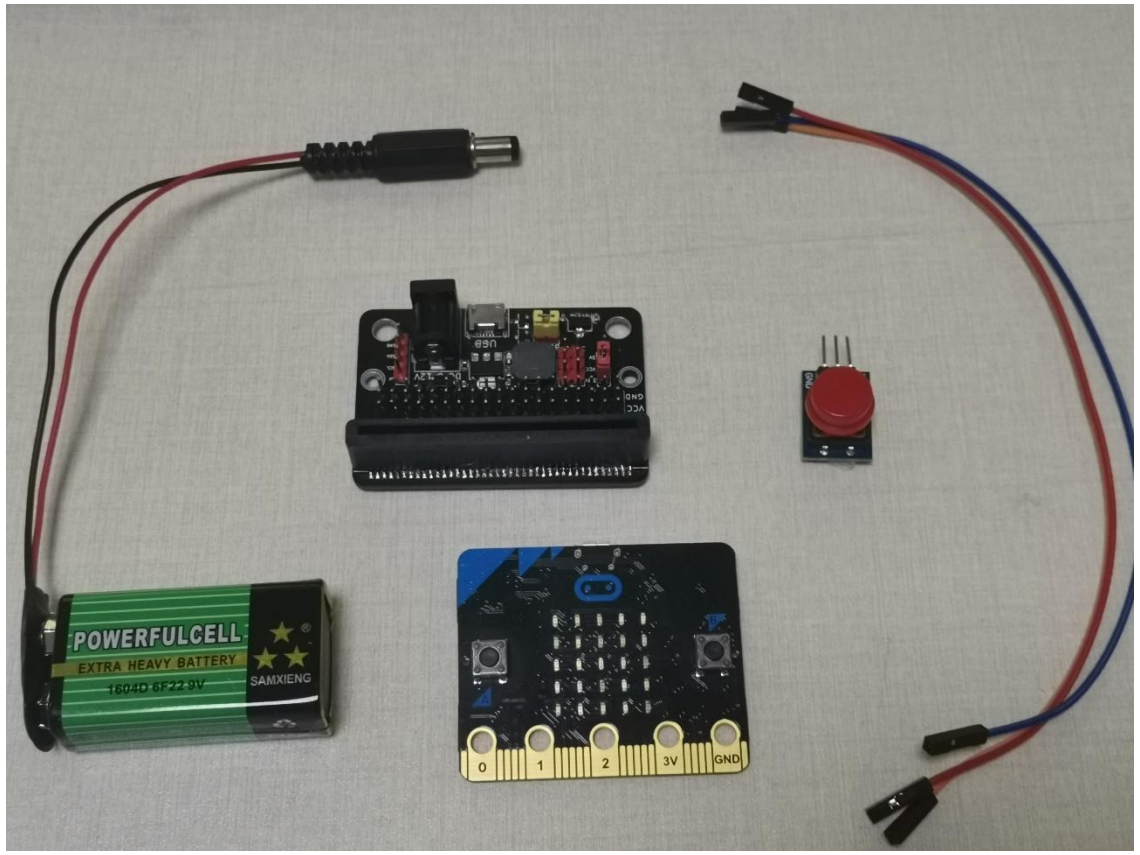

2、Preparation before class

Prepare microbit motherboard, USB cable, battery, button module, dupont cable

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3、Wiring

The VCC pin of the button module is connected to the red VCC interface of the extension board through the dupont line; the GND pin of the button module is connected to the black GND pin of the extension board; the OUT pin of the button module is connected to the blue P1 pin of the extension board

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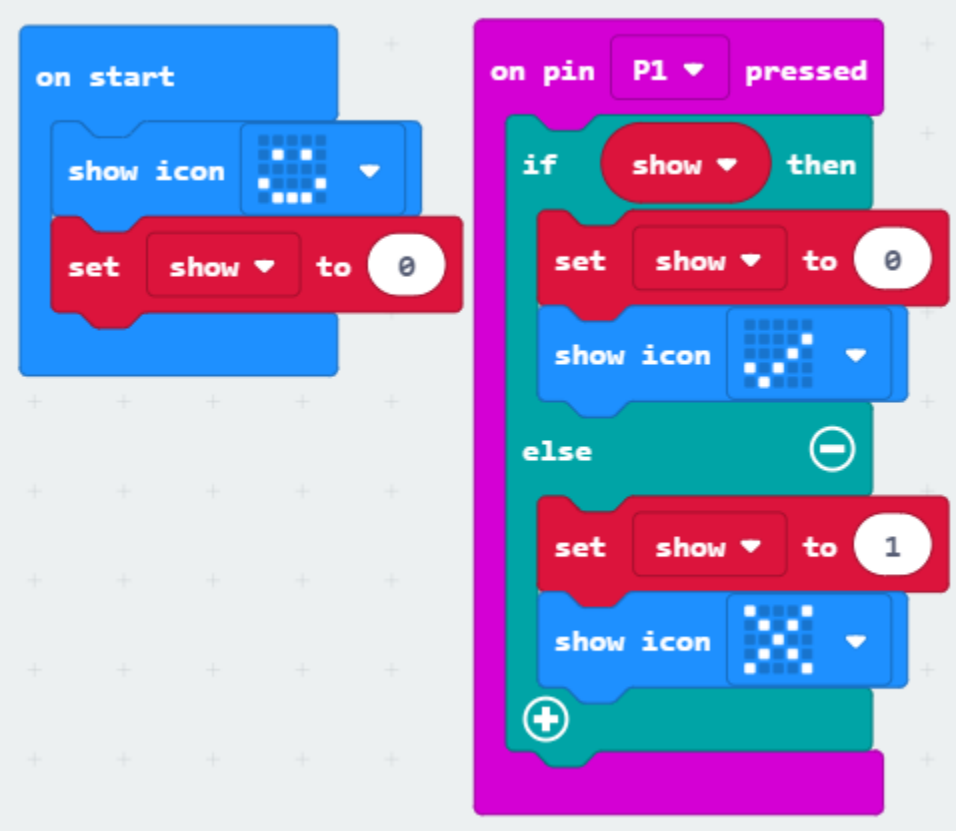

Block programming

1. When the machine is turned on, the icon of the smiley face will be displayed on the screen, and the marked variable will be set to 0. The marked variable is to display the √ once and then X once
2. The program keeps checking the P1 pin to determine whether it has been pressed. If so, it will determine the value of the marked variable and display the corresponding icon

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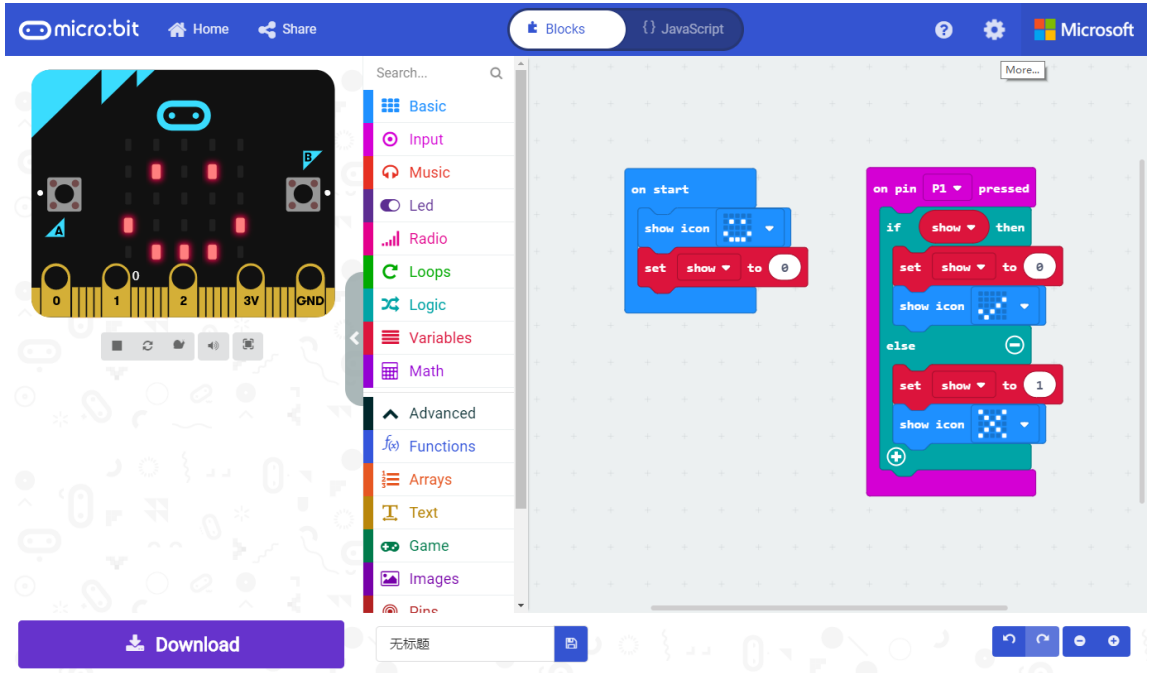

5、Download experience

1. Click "download", download the program to the microbit, connect the circuit, and you can see the result of your programming