5.5 Route plan

Route plan.hex

http://www.yahboom.net/xiazai/Tiny_bit/5.Running%20with%20Tiny%20bit/Route%20plan.hex

1.Preparation

1-1. The position of the motor on the robot car.

Programming method:

Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: http://microbit.org/ to enter the programming interface. Add the Yahboom package: http://microbit.org/ to enter the programming

Mode 2 offline programming: We need to open the offline programming software. After the installation is complete, enter the programming interface, click [New Project], add Yahboom package: https://github.com/lzty634158/Tiny-bit, you can program.

As shown in the figure below, the red arrow points to the Tiny-bit motor.



2.Learning goal

2-1.Learn how to use control motor graphically program building blocks

2-2.In this lesson, we need to realize button switches four prepared routes and displays the shape of the path on the micro:bit dot matrix.

3.Search for block

The following is the location of the building blocks required for this programming.











4.Combine block

The summary program is shown below.









5.Experimental phenomena

After the program download is complete, turn on the power of the car. When we press the A button for the first time, the dot will display "L", then press the B button, we can see that the path forwarded by the car is "L". When we press the A button for the second time, the dot will show " \square ", then press

the B button, we can see that the path forwarded by the car is " \square ". When we third press the A button for the third time, " \square " will be displayed on the dot matrix, then press the B button, we can see that the path forwarded by the car is " \square ".

When we press the fourth A button for the fourth time, "Z" will be displayed on the dot matrix, then press the B button, we can see that the path forwarded by the car is "Z".

When we press the A button for the fifth time, the dot will display "L", then press the B button, we can see that the path forwarded by the car is "L".

And keep the loop in this state~

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