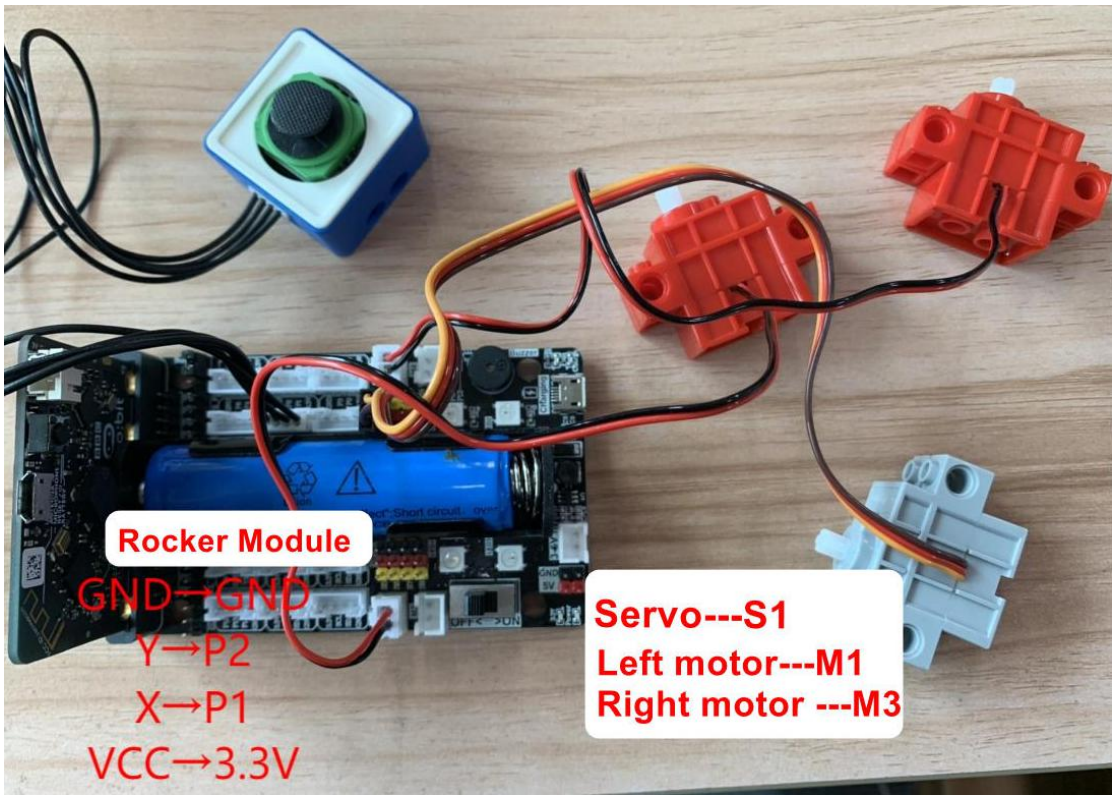
Rocker carrier car

1. Learning target

In this course, we will learn how to use Micro:bit, super:bit expansion board and rocker module to achieve rocker carrier car.

2. Preparation

Connect the module to Micro:bit board by expansion board, as shown below.



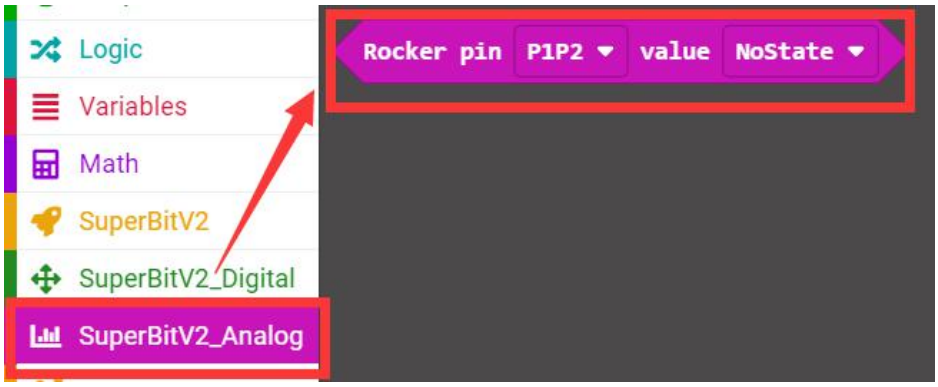
3.Programming method

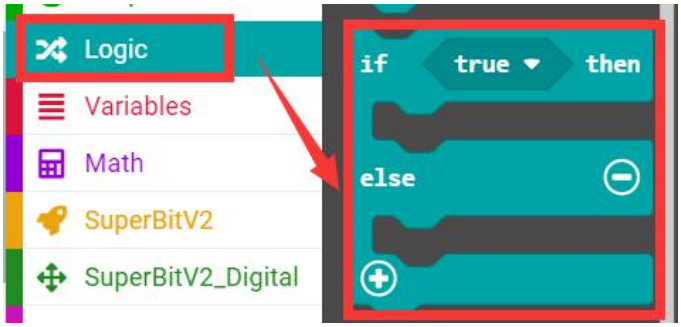
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: http://microbit.org/ to enter the programming interface. Add the Yahboom package https://github.com/YahboomTechnology/SuperBitLibV2 to program.

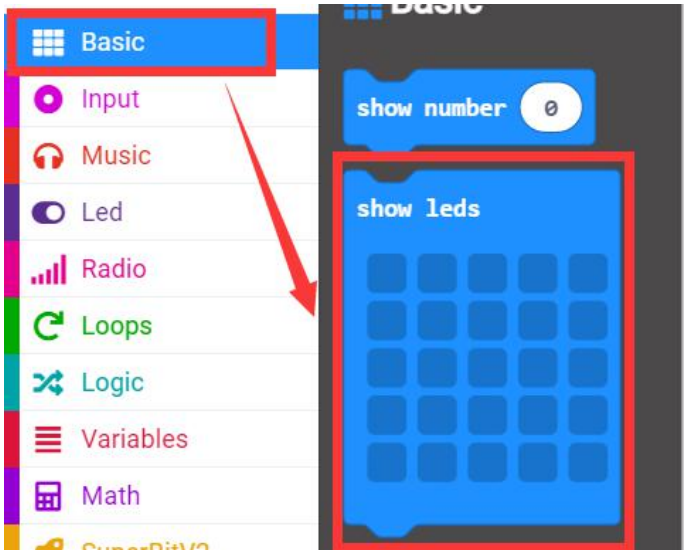
Mode 2 offline programming: We need to open the offline programming software. After the installation is complete, enter the programming interface, click【New Project】, add Yahboom package: https://github.com/YahboomTechnology/SuperBitLibV2 , you can start programming.

4.Looking for blocks

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

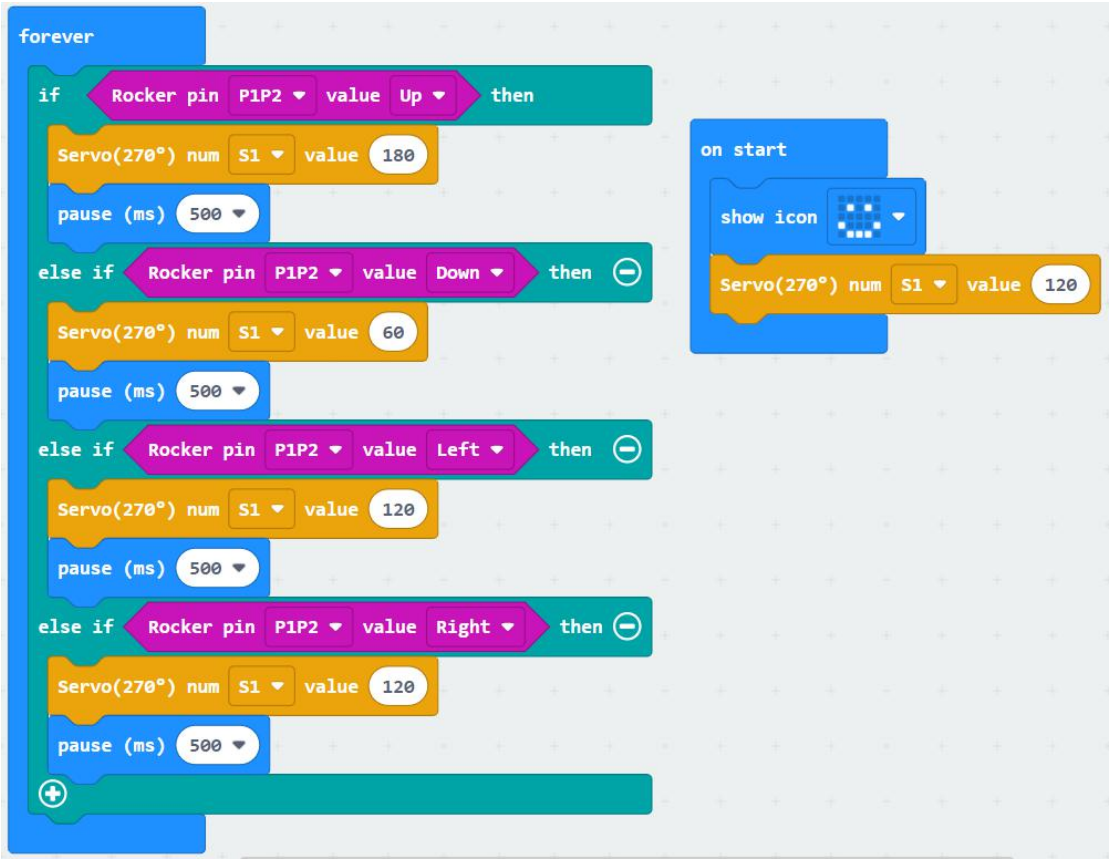






5.Combine block

The summary program is shown below.



5. Phenomenon

After the program is downloaded successfully. Micro: bit dot matrix will display a smiling face. Turn on the power switch, and the rudder will initialize. At this time, the forklift is in a flat state.

If the rocker is upward, the shovel will be lifted; if the rocker is downward, the shovel will unload goods; if the rocker is left or right, the shovel will reset.