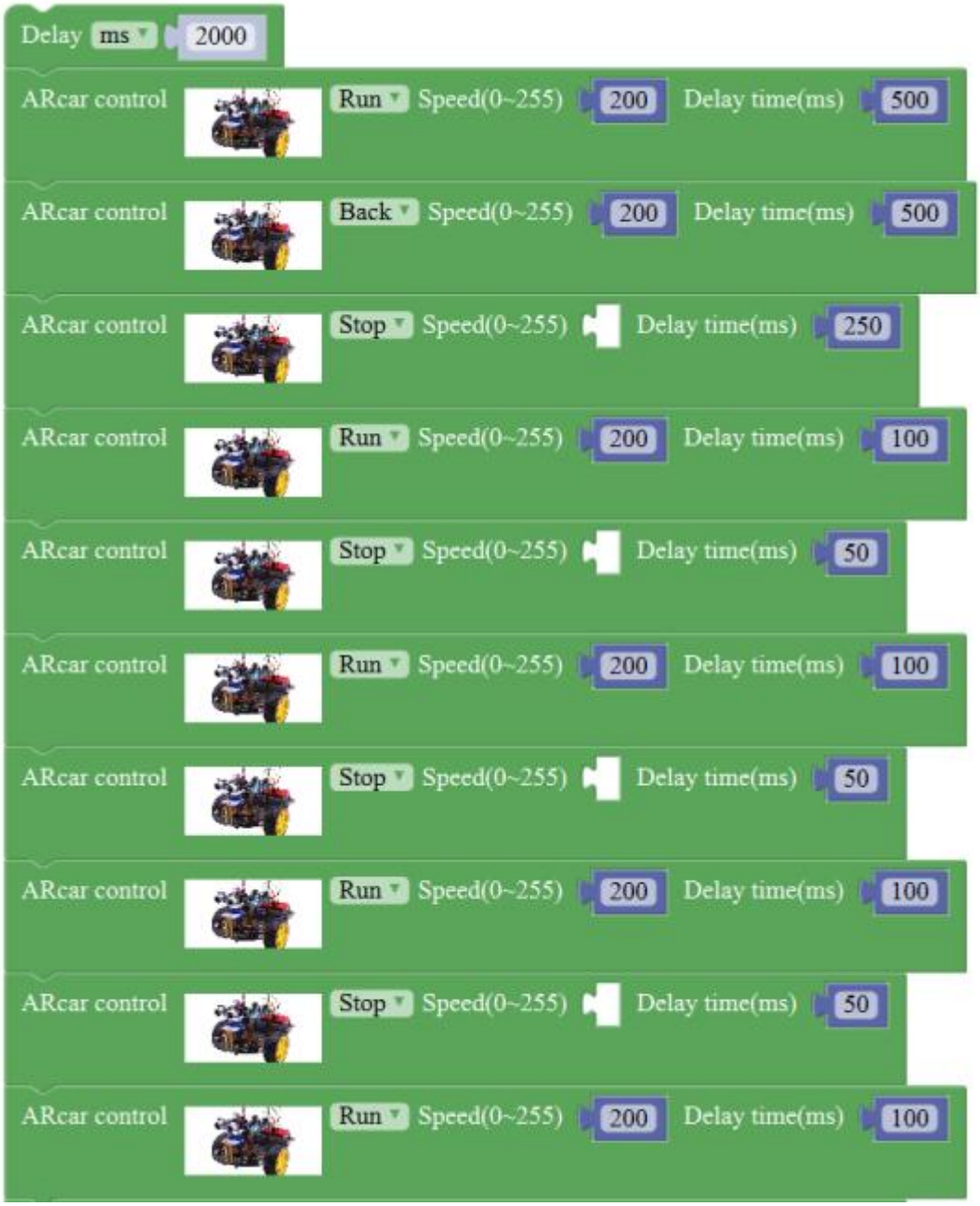
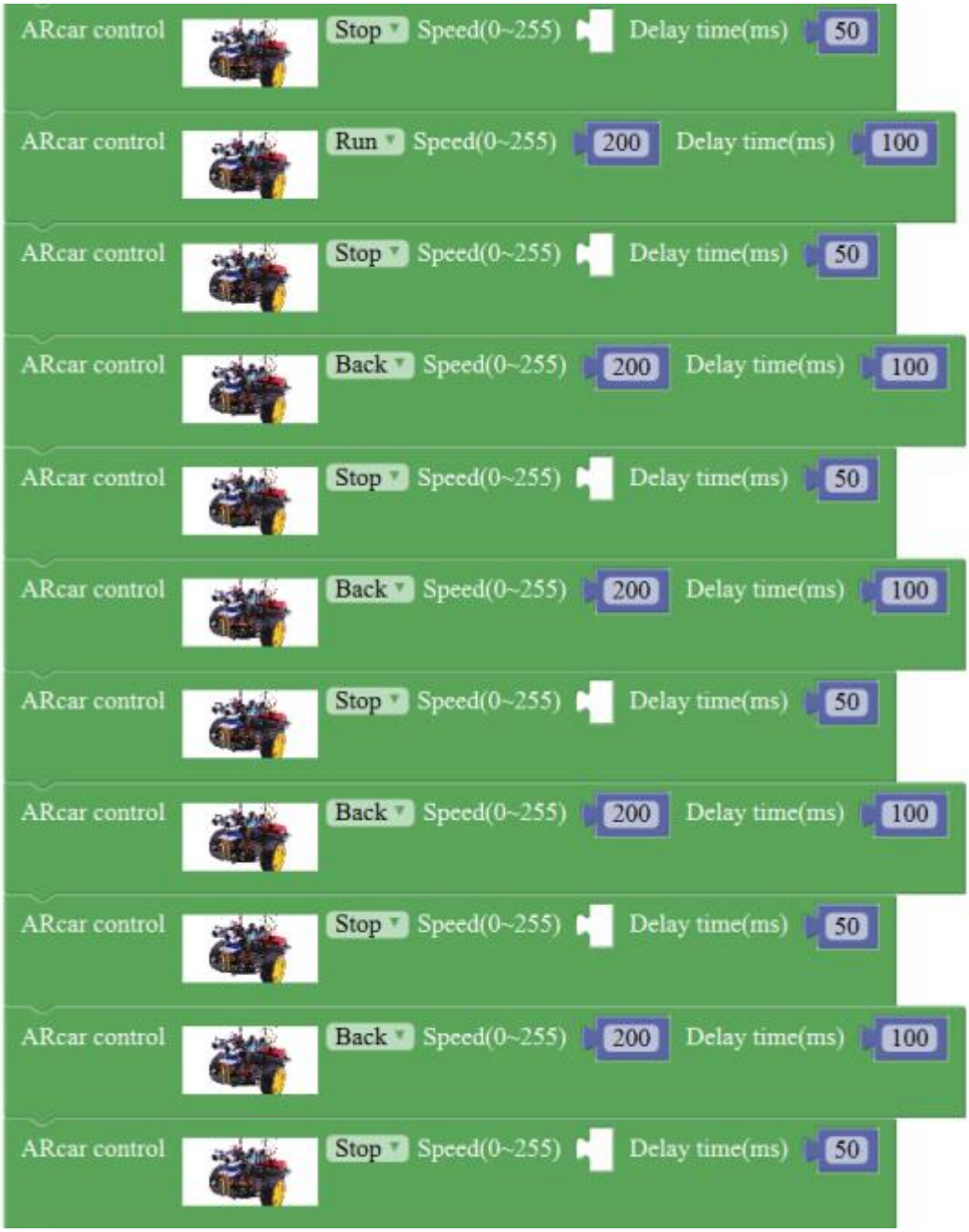
3、Colorful Run

You need to follow the steps below to build blocks.

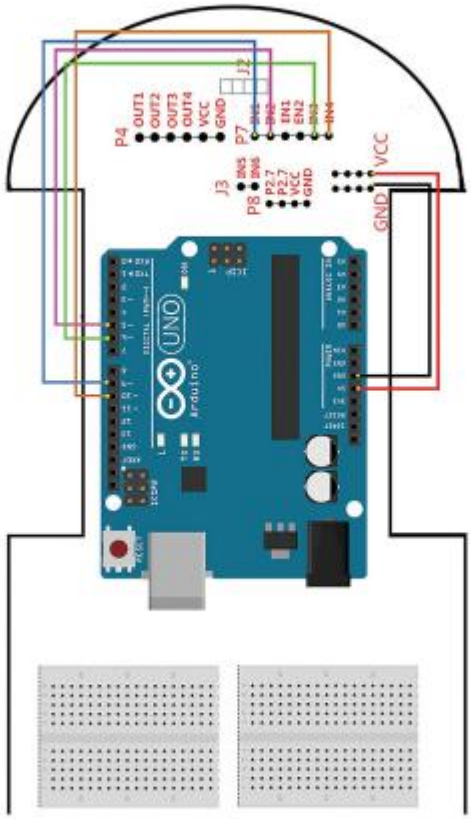



ARcar control
Stop
Speed(0~255)
Delay time(ms)
50
ARcar control
Run
Speed(0~255)
200
Delay time(ms)
100
ARcar control
Stop
Speed(0~255)
Delay time(ms)
50
ARcar control
Back
Speed(0~255)
200
Delay time(ms)
100
ARcar control
Stop
Speed(0~255)
Delay time(ms)
50
ARcar control
Back
Speed(0~255)
200
Delay time(ms)
100
ARcar control
Stop
Speed(0~255)
Delay time(ms)
50
ARcar control
Back
Speed(0~255)
200
Delay time(ms)
100
ARcar control
Stop
Speed(0~255)
Delay time(ms)
50
ARcar control
Back
Speed(0~255)
200
Delay time(ms)
100
ARcar control
Stop
Speed(0~255)
Delay time(ms)
50

Material object wiring diagram:

IV. Wiring Instructions

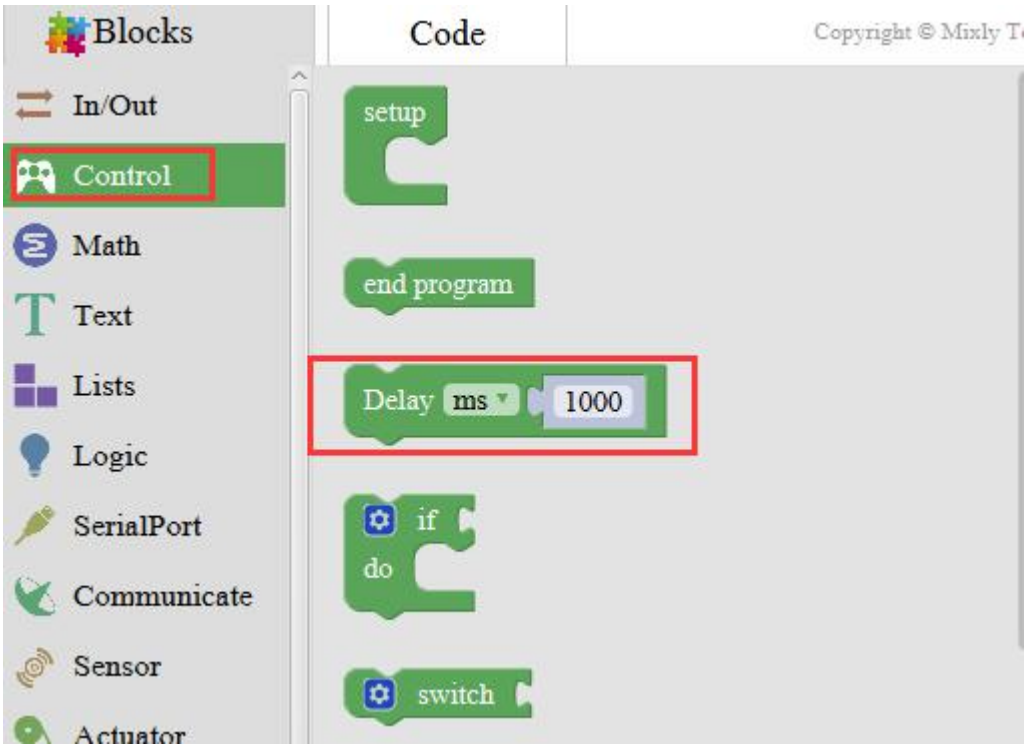
4.1 Motor drive wiring diagram

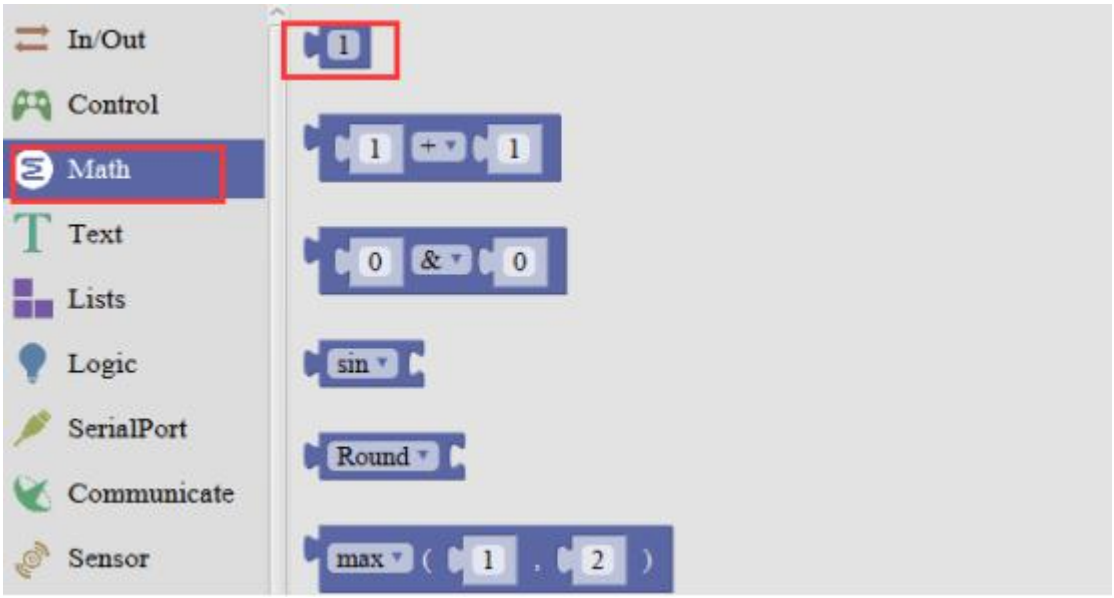


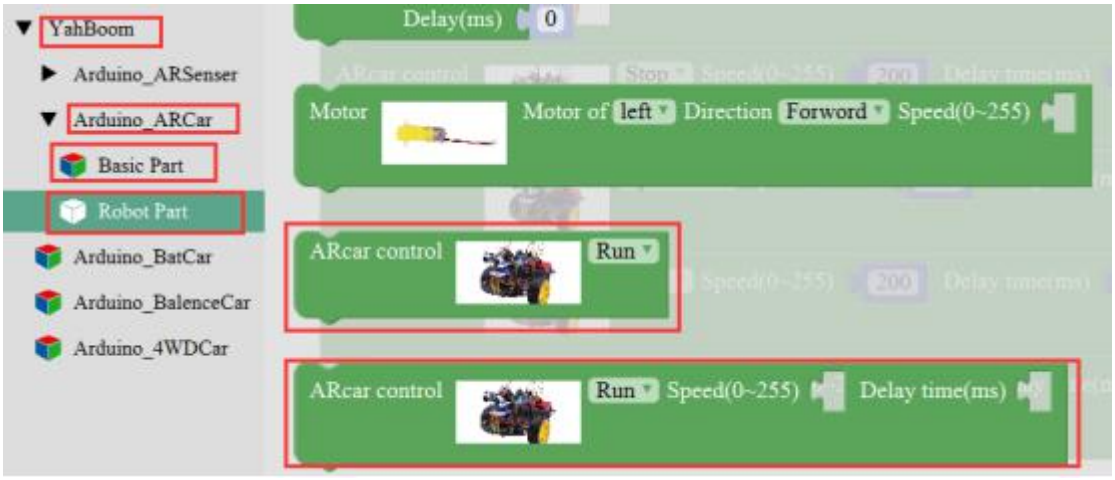
According to this wiring diagram, the smart car can realize forward, backward, left, right, and specified fancy movements after uploading the corresponding program.

Steps of experiment:

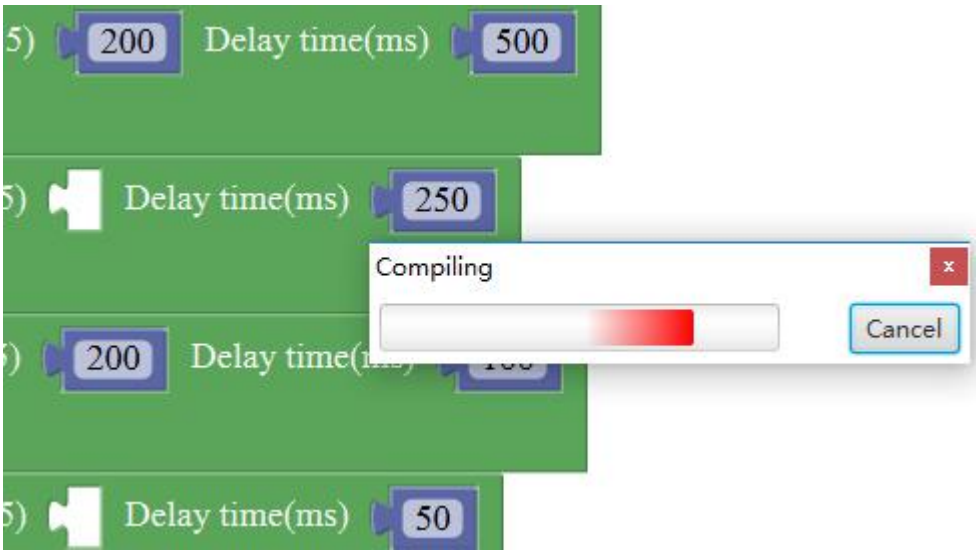
1.You need to choose the building blocks which you need for this experiment, as shown in the figure below.


Blocks
Code
Copyright © Mixly T
In/Out
Control
Math
Text
Lists
Logic
SerialPort
Communicate
Sensor
Actuator
setup
end program
Delay ms 1000
if
do
switch

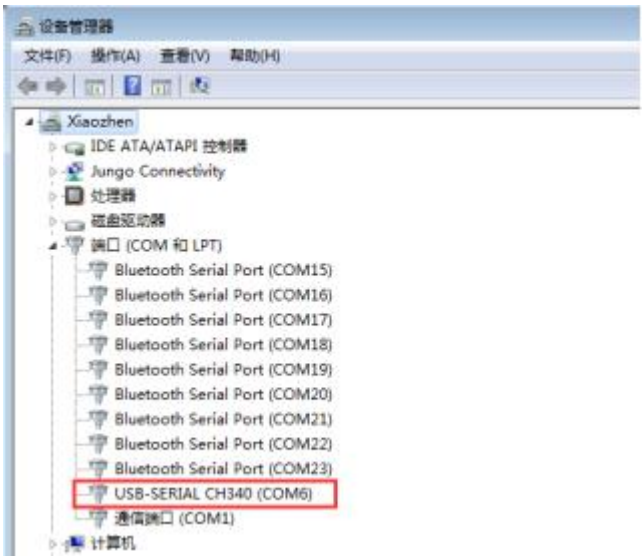

In/Out
Control
Math
Text
Lists
Logic
SerialPort
Communicate
Sensor
1
1 + 1
0 & 0
sin
Round
max (1 , 2)



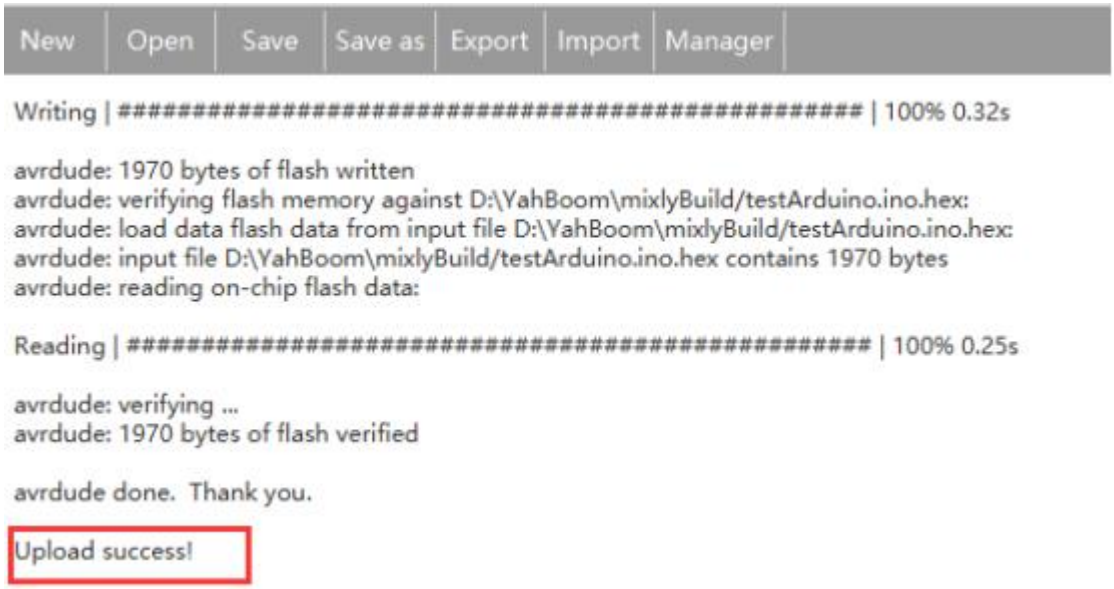
2.You need to you need to click “**Compile**”. and wait for the completion of the compiler, the following box will prompt the compiler successfully, if prompt the compile failure is the problem of building block splicing.



3.In the menu bar of Mixly, we need to select the port that the serial number displayed by the device manager (for exmaple:COM6) and **Arduino/Genuino Uno.** As shown in the figure below.



4. After the selection is completed, you need to click “**Upload**” to upload the code to the Arduino UNO board. When the word “**Upload success**” appears in the lower left corner, the code has been successfully uploaded to the Arduino UNO board, as shown in the figure below.



7.After the code is uploaded, when the power switch is turned on, we can see the car will accomplish Fancy action.