Title：[Patrick Star](javascript:;)’s dancing

Link:https://editor.p5js.org/Bob-wentao/sketches/nuy\_oAz8A

Description:This project shows [Patrick Star](javascript:;)’s dancing up and down,We can see that his arms move in a semicircle form,and his bodies are divided into three parts.The head,the body and the feet.They all move in a certain rule,the foot moves at first ,which the body following and the last is the head.

Coding:As for the coding, the feature of the Patrick Star is a little to describe.And the biggest challenge is that I forget to save it when my first draft has done!So I have to cost more time to redraw it.And the most difficult in the coding is the semicircle,which needs to use the absolute of the cos(through if):

this.r2=sin(frameCount\*0.1)\*20

this.r1=cos(frameCount\*0.1)\*10

this.r3=cos(frameCount\*0.1)\*10

this.r4=sin(frameCount\*0.1)\*10

if(this.r4<0){

this.r4=-this.r4

}

Which is completed under the assistant carrot’s help.

From this project ,I learn more about how to ensure the positions of different patterns and calculate the track of the movement.