const c=30;

const G=2;

const dt=0.1;

let m87

const particles =[];

let start,end;

function setup(){

createCanvas(windowWidth,windowHeight);

m87 = new Blackhole(width/2 , height/2 , 10000);

start =height/2;

end = height/2 -m87.rs \* 2.6;

for( let y=0; y < start ; y+=10){

particles.push(new Photon(width - 20, y));

}

}

function draw(){

background(255);

stroke(0)

strokeWeight(1);

line(0 , start ,width ,start)

line(0 , end, width,end)

for( let p of particles){

m87.pull(p);

p.update();

p.show();

}

m87.show();

}