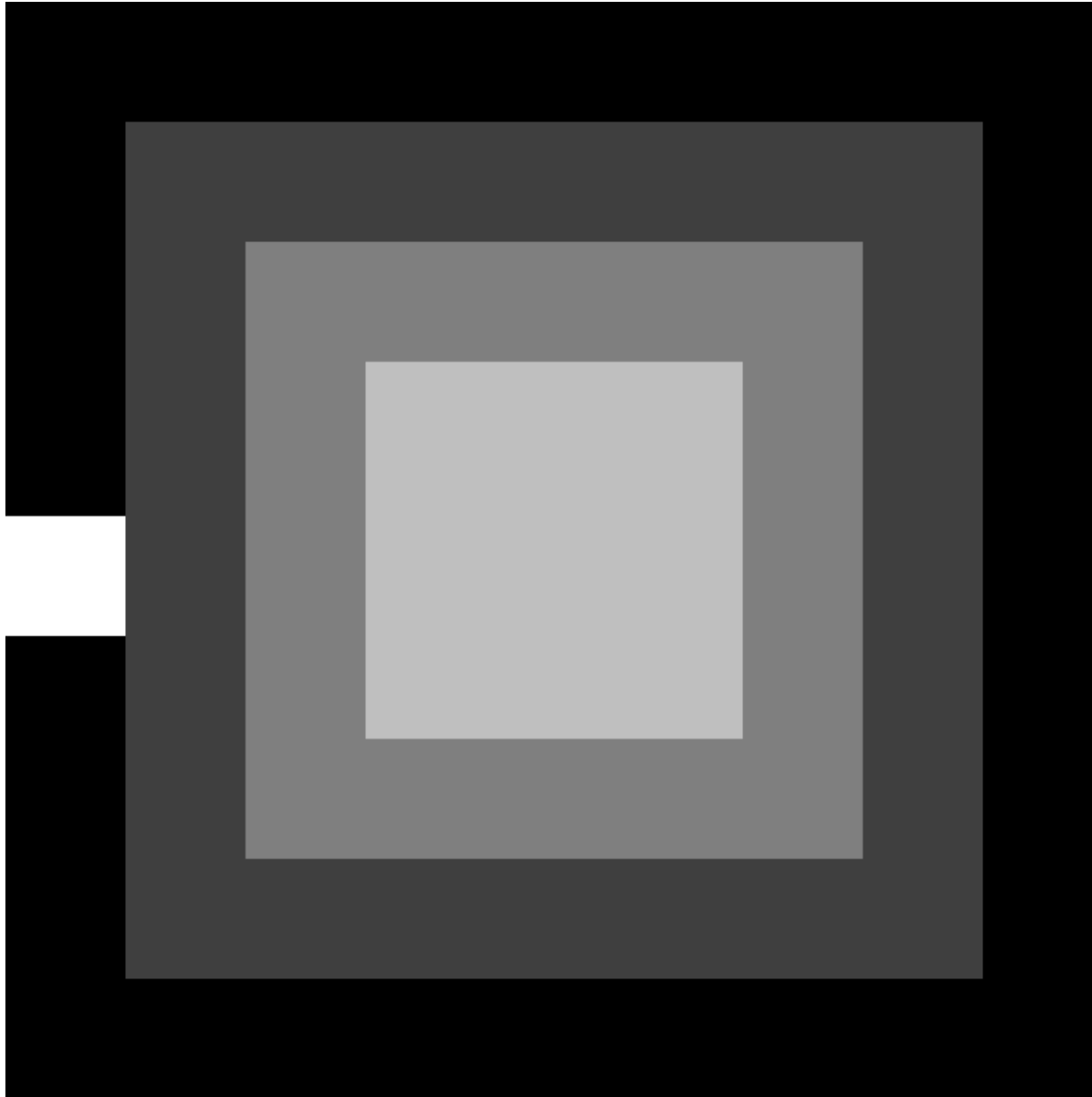


```
void setup () {  
  size(640, 640);  
  background(225);  
  ellipseMode(CENTER);  
  smooth();  
  noFill();  
  noLoop(); }  
void draw () {  
  translate(width/2, height/2);  
  four_circles(0, 0, width, 6);  
}  
void four_circles (float x, float y,  
float d, int  
step) {  
  ellipse(x, y, d, d);  
  if (step > 1) {  
    four_circles(x-d/2, y, d/2, step-1);  
    four_circles(x+d/4, y, d/2, step-1);  
    four_circles(x, y-d/4, d/2, step-1);  
    four_circles(x, y+d/4, d/2, step-1);  
    saveFrame(); }  
}
```

---

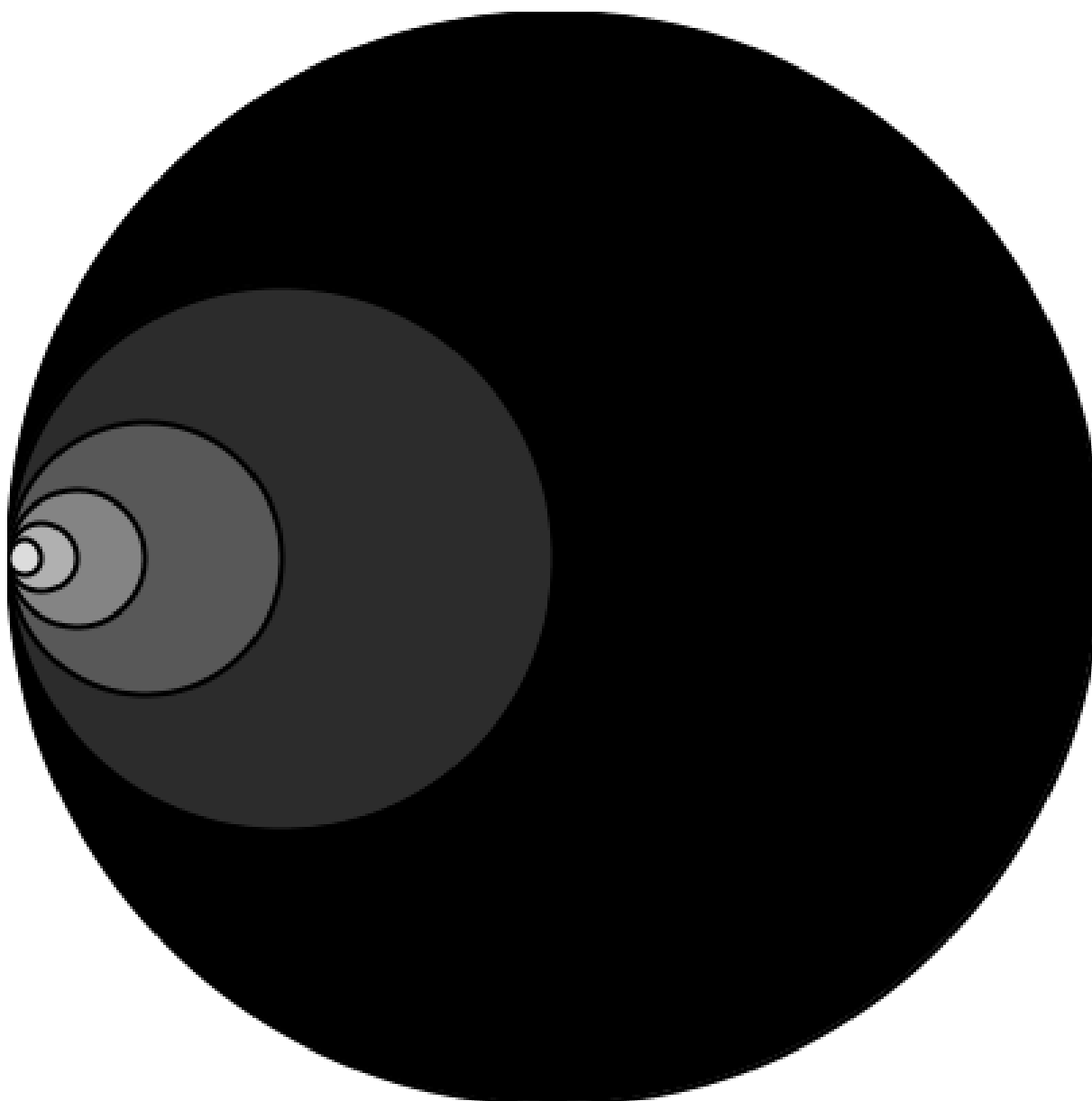
主題：顯眼01\_方向  
參考程式碼：my\_first\_sketch  
姓名：楊詠筑  
學號：4A41C043  
班級：產設一乙 (A)



```
size(640, 640);  
background(255, 0, 0); //R G B  
noStroke();  
int cl;  
cl = 0;  
fill(cl);  
rect(0, 0, 640, 640);  
cl = 63;  
fill(cl);  
rect(70, 70, 500, 500);  
cl = 127;  
fill(cl);  
rect(140, 140, 360, 360);  
cl = 191;  
fill(cl);  
rect(210, 210, 220, 220);  
cl = 255;  
fill(255);  
rect(0, 300, 70, 70);  
saveFrame();
```

---

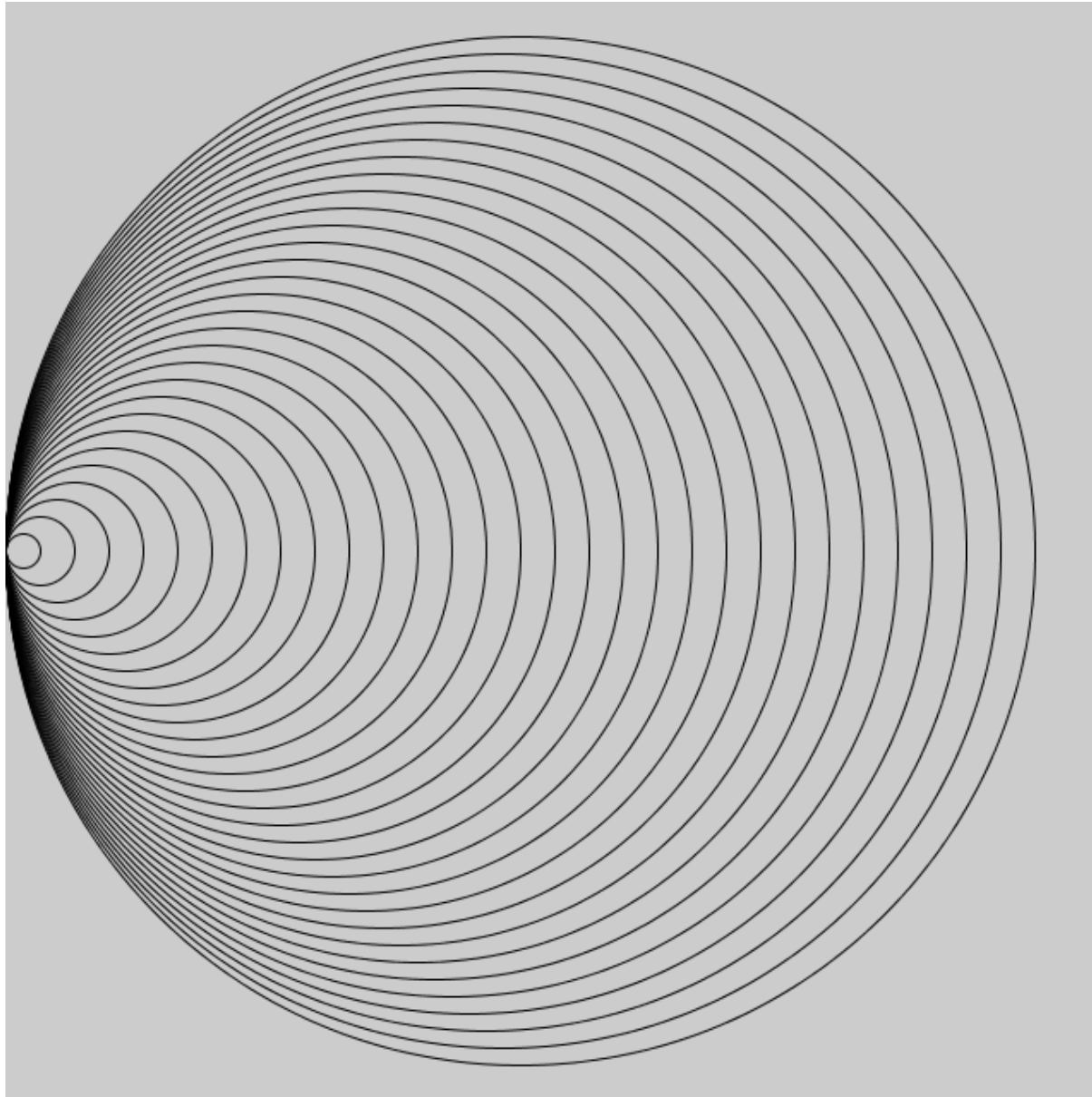
主題：顯眼02\_方向  
參考程式碼：my\_first\_sketch  
姓名：楊詠筑  
學號：4A41C043  
班級：產設一乙(A)



```
void setup () {  
  size(640, 640);  
  background(255);  
  ellipseMode(CENTER);  
  strokeWeight(2);  
  smooth();  
  noFill();  
  noLoop(); }  
void draw () {  
  translate(width/2, height/2);  
  two_circles(0, 0, width, 6, 0);  
}  
void two_circles (float x, float y,  
float d, int step, int f) {  
  fill(f);  
  ellipse(x, y, d, d);  
  f += 44;  
  if (step > 1) {  
    two_circles(x-d/4, y, d/2, step-1, f);  
  }  
  saveFrame();  
}
```

---

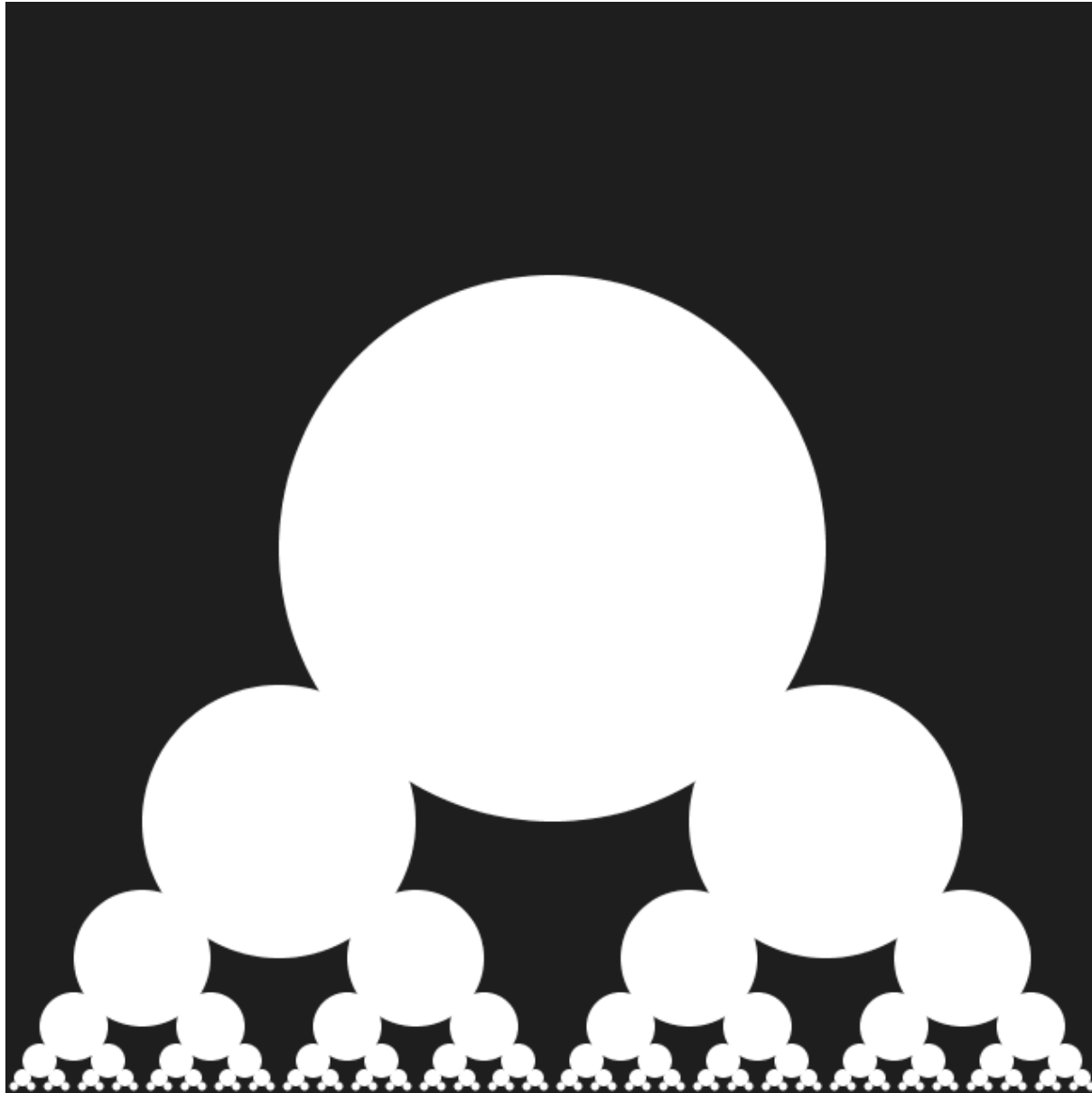
主題：顯眼03\_方向  
參考程式碼：my\_first\_sketch  
姓名：楊詠筑  
學號：4A41C043  
班級：產設一乙 (A)



```
size(640, 640);  
smooth();  
strokeWeight(1);  
noFill();  
for (int i = 10; i <= 300; i +=  
10) {  
  ellipse(i, 320, 2*i, 2*i);  
  
  saveFrame();}
```

---

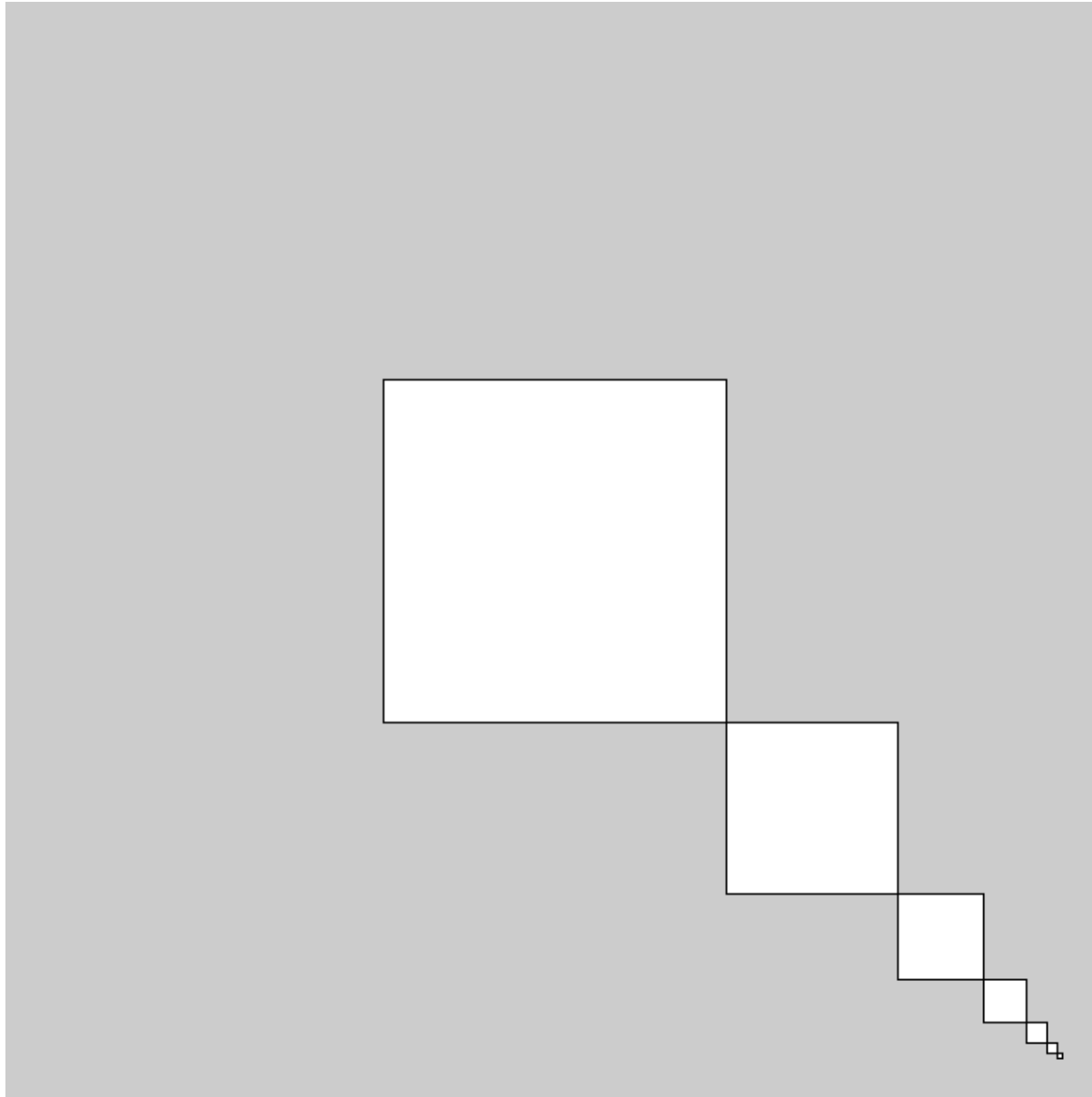
主題：顯眼04\_方向  
參考程式碼：my\_first\_sketch  
姓名：楊詠筑  
學號：4A41C043  
班級：產設一乙(A)



```
void setup() {  
  size(640,640);  
  background(30);  
  ellipseMode(CENTER);  
  noStroke();  
  smooth();  
  translate(width/2,height/2);  
  drawBoxes(0, 0, 320,6);  
}  
void drawBoxes(float x, float y, int  
len, int n) {  
  ellipse(x, y, len, len);  
  if (n > 0) {  
    drawBoxes(x+len*0.5,y+len*0.5, len/2,  
n-1);  
    drawBoxes(-(x+len*0.5),y+len*0.5, len/2,  
n-1);  
    saveFrame();}  
}
```

---

主題：顯眼05\_方向  
參考程式碼：my\_first\_sketch  
姓名：楊詠筑  
學號：4A41C043  
班級：產設一乙(A)



```
void setup() {  
  size(640, 640);  
  rectMode(CENTER);  
  translate(width/2, height/2);  
  drawBoxes(0, 0, 200, 6);  
}  
void drawBoxes(float x, float y,  
float len, int n) {  
  rect(x, y, len, len);  
  if (n > 0) {  
    drawBoxes(x+len*0.75, y+len*0.75, len/2,  
n-1);  
  }  
  saveFrame();  
}
```

---

主題：顯眼06\_方向  
參考程式碼：my\_first\_sketch  
姓名：楊詠筑  
學號：4A41C043  
班級：產設一乙 (A)