

# Processing P04

## 1- Boucles

# Boucles

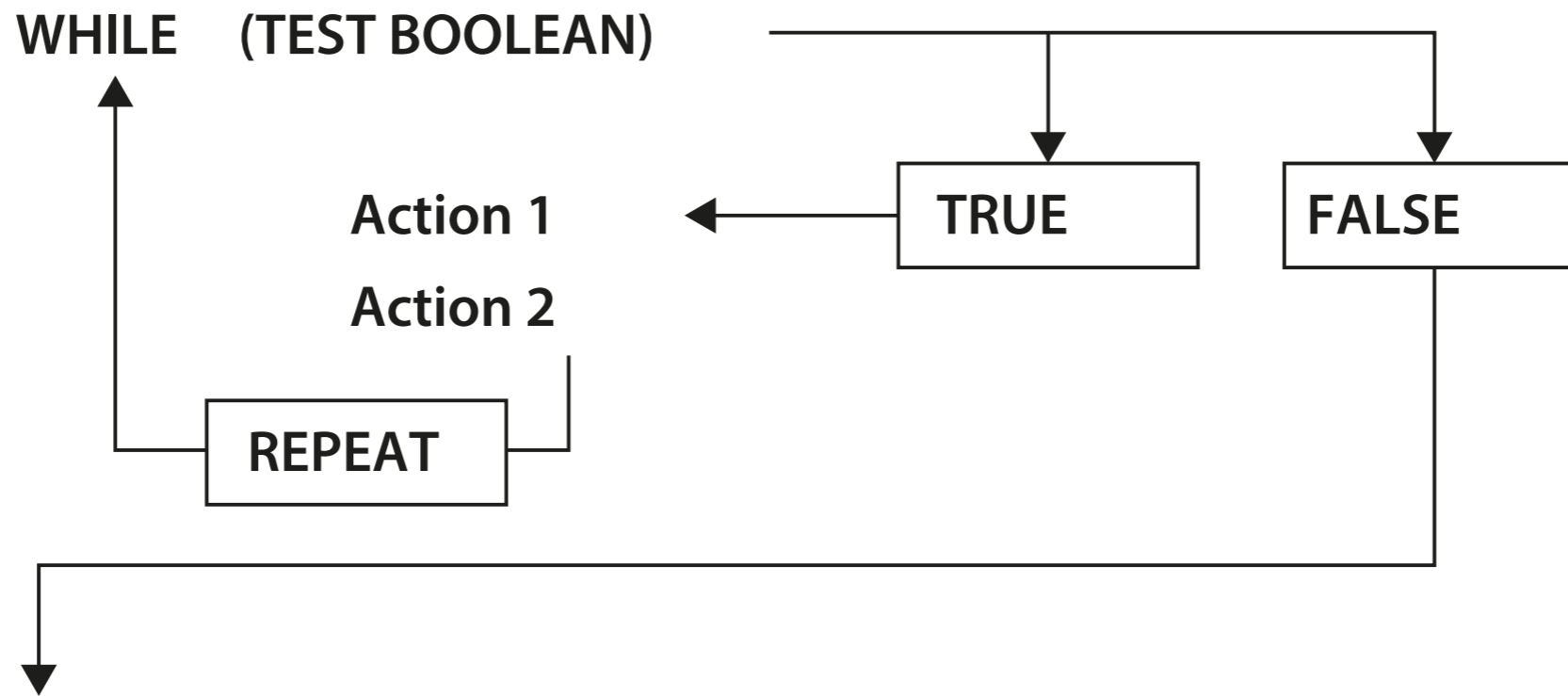
## Principe (1/5)

```
size(640,360);  
background(255);  
  
stroke(0);  
line(50,60,50,80);  
line(60,60,60,80);  
line(70,60,70,80);  
line(80,60,80,80);  
line(90,60,90,80);  
line(100,60,100,80);  
line(110,60,110,80);  
line(120,60,120,80);  
line(130,60,130,80);  
line(140,60,140,80);  
line(150,60,150,80);
```



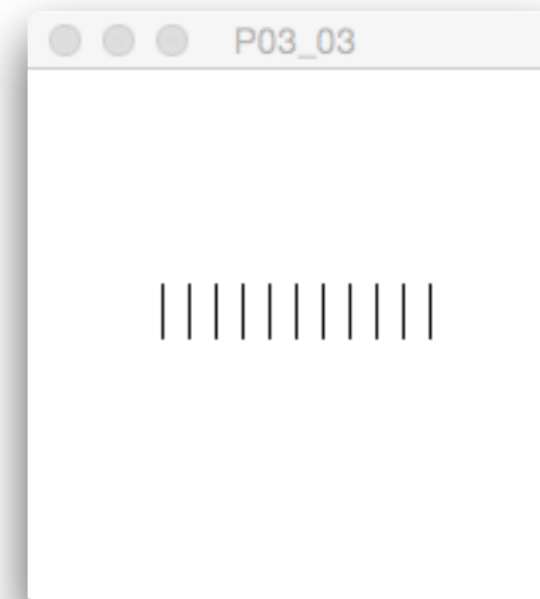


# Principe (3/5)



## Principe (4/5)

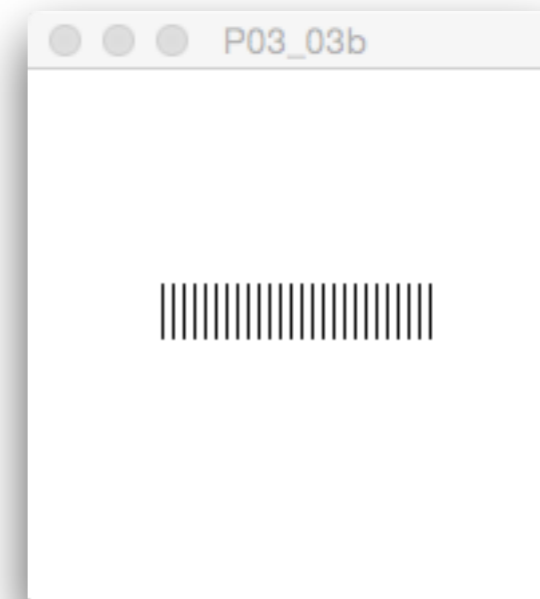
```
size(200, 200);  
background(255);  
  
int y = 80;  
int x = 50;  
int spacing = 10;  
int len = 20;  
  
int endLegs = 150; 1  
stroke(0);  
  
while (x <= endLegs) {  
  line (x, y, x, y + len);  
  x = x + spacing;  
}
```



1: variable contenant la valeur de fin

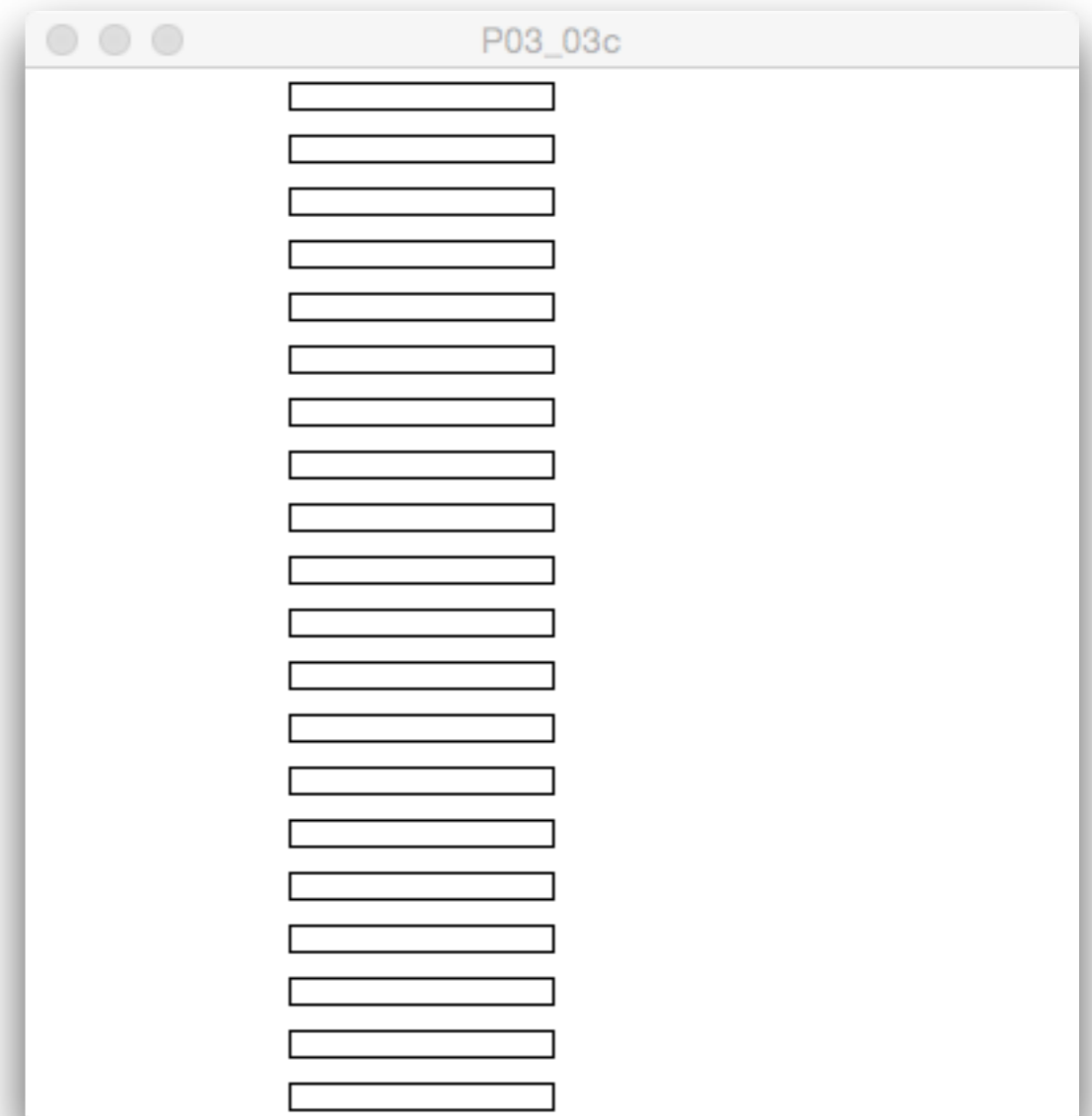
## Principe (5/5)

```
size(200, 200);  
background(255);  
  
int y = 80;  
int x = 50;  
int spacing = 4;  
int len = 20;  
  
int endLegs = 150;  
stroke(0);  
  
while (x <= endLegs) {  
  line (x, y, x, y + len);  
  x = x + spacing;  
}
```



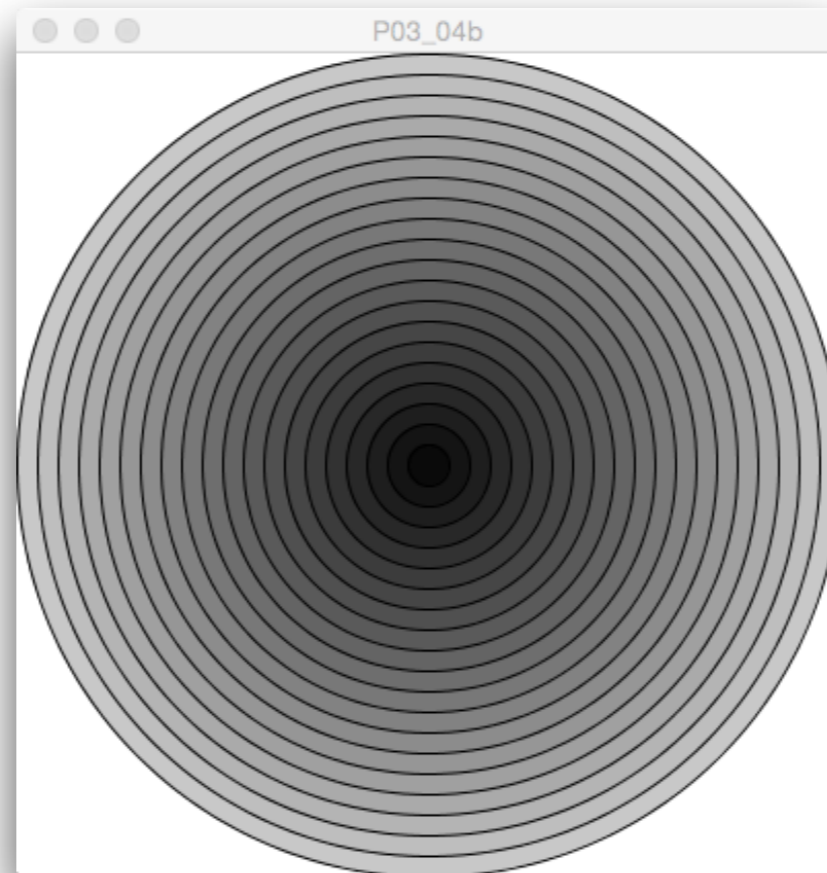
## Principe (5/6)

```
size(400, 400);  
background(255);  
  
int y = 5;  
  
stroke(0);  
  
while (y <= height) {  
  rect (100, y, 100, 10);  
  y = y + 20;  
}
```





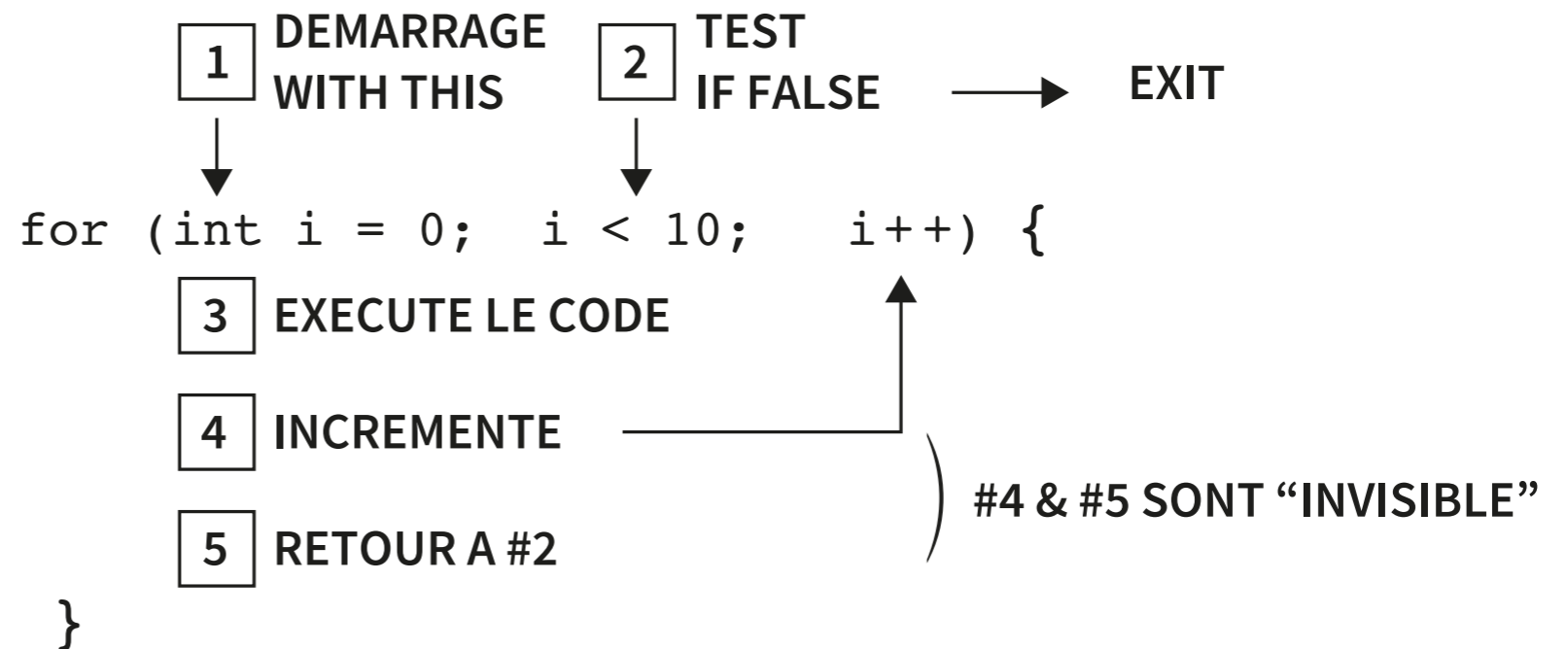
# Exercices



P03\_04b.pde

## La boucle 'for'

- initialisation
- condition
- incrémentation

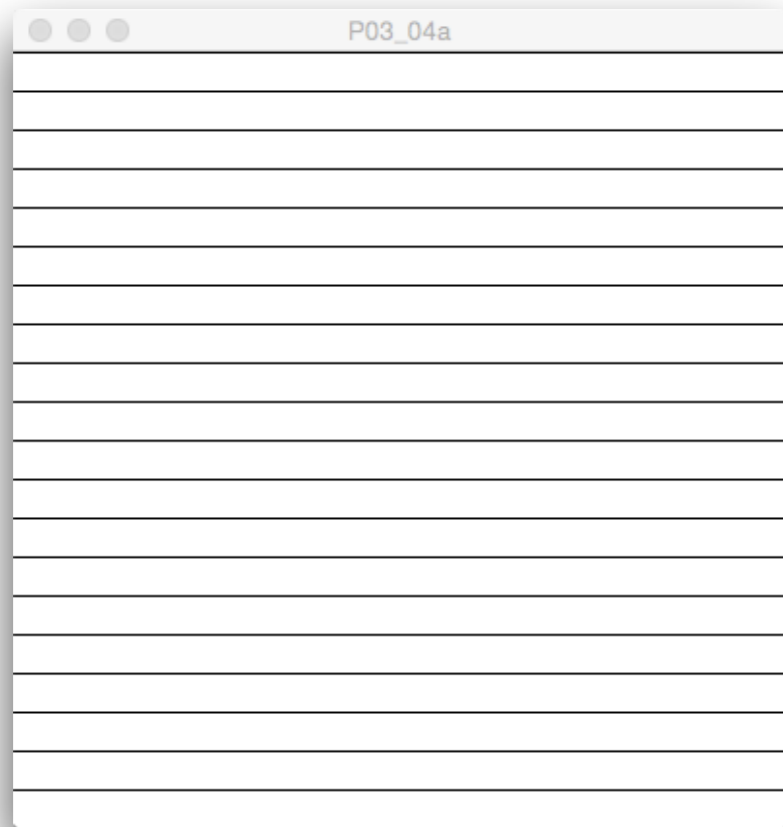


## La boucle 'for'

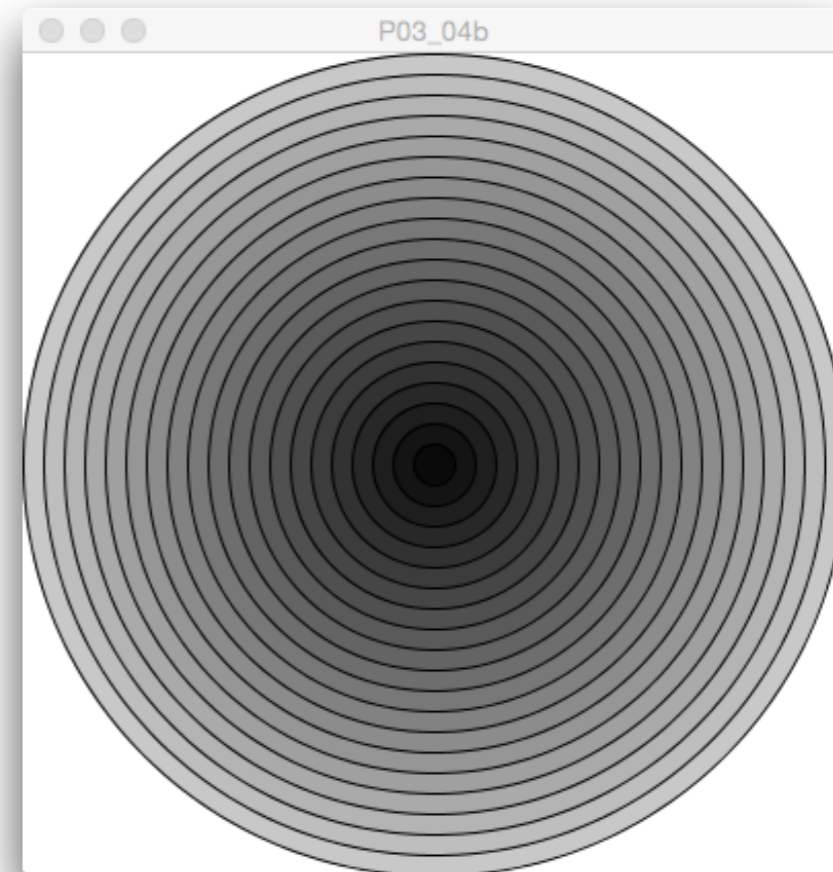
```
size(640,360);  
background(255);  
  
int y = 80;  
int spacing = 10;  
int len = 20;  
  
for (int x = 50; x <= 150; x += spacing) {  
  line(x,y,x,y + len);  
}
```



# Exercice



P03\_07a.pde



P03\_07b.pde

