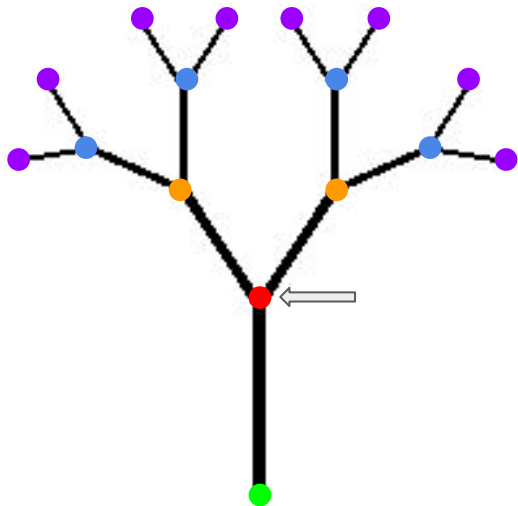


Dans la fonction n°1, appel de la fonction n°2

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
    turtle.backward(branch_length)
```

Code exécuté

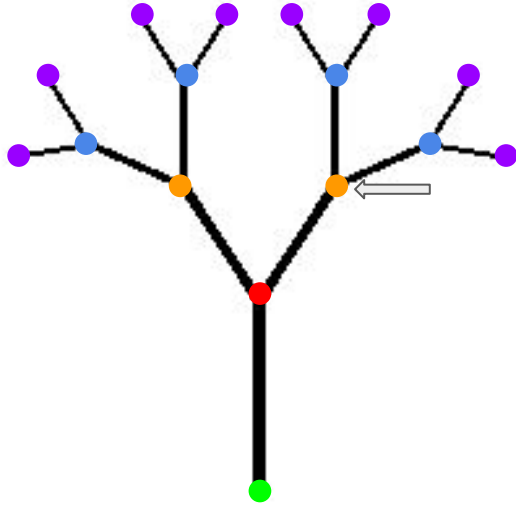


Dans la fonction n°2, appel de la fonction n°3

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):
    if depth == 0:
        return None

    turtle.width(branch_width)
    turtle.forward(branch_length)
    turtle.right(angle)
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)
    turtle.left(angle * 2)
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)
    turtle.right(angle)
    turtle.backward(branch_length)
```

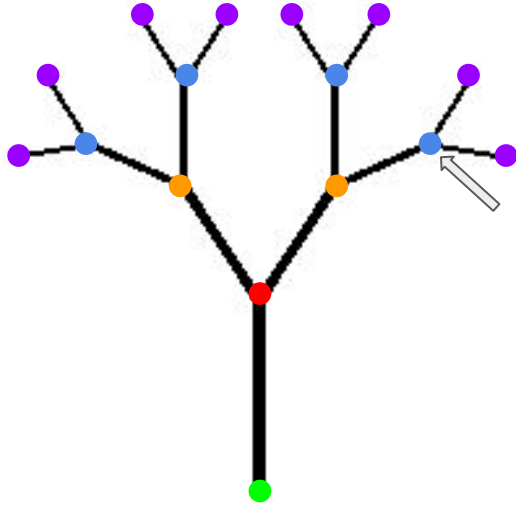
 Code exécuté



Dans la fonction n°4, appel de la fonction n°5

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
    turtle.backward(branch_length)
```

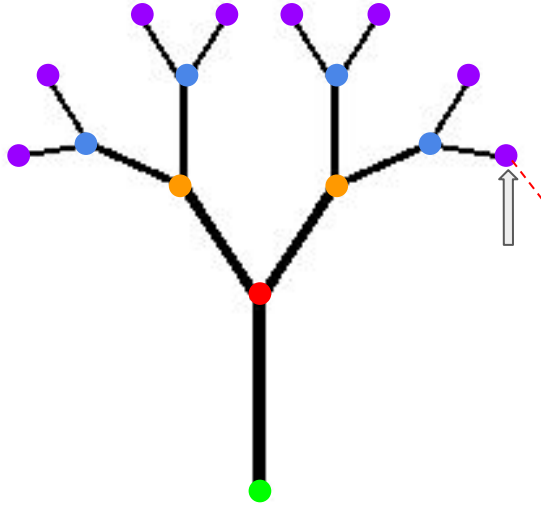
Code exécuté



Dans la fonction n°5, appel de la fonction n°6

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
    turtle.backward(branch_length)
```

 Code exécuté

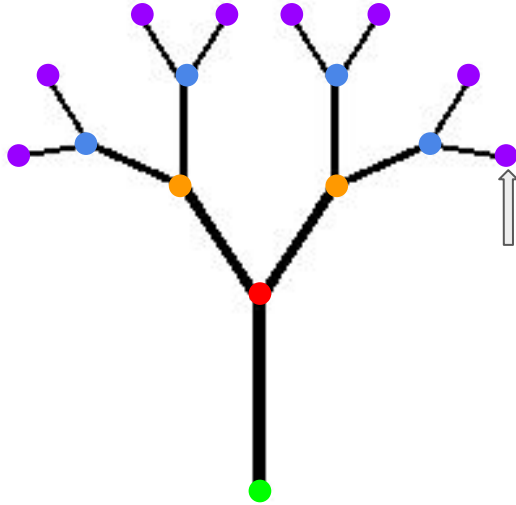


Dans la fonction n°6, pas d'appel

La condition est vraie, on n'exécute pas le code après donc pas de dessin de la branche de droite enfant

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
    turtle.backward(branch_length)
```

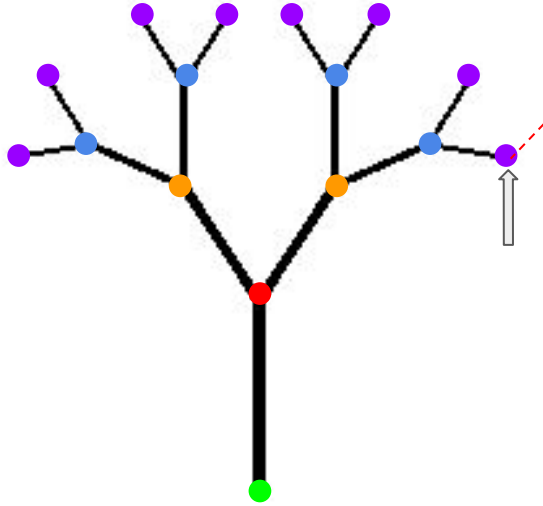
 Code exécuté



Dans la fonction n°5, appel de la fonction n°7

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
  
    turtle.backward(branch_length)
```

 Code exécuté

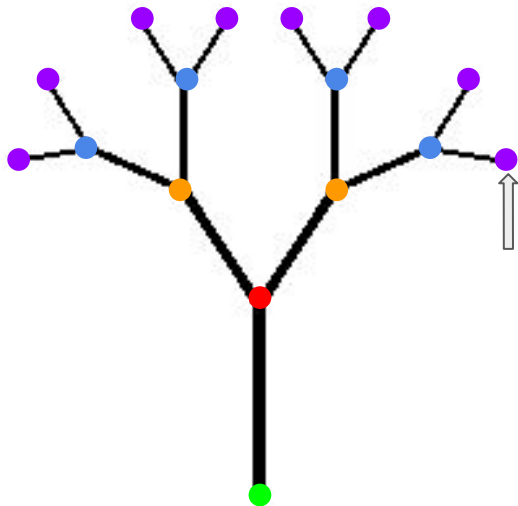


Dans la fonction n°7, pas d'appel

La condition est vraie, on n'exécute pas le code après donc pas de dessin de la branche de droite enfant

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):
    if depth == 0:
        return None
    turtle.width(branch_width)
    turtle.forward(branch_length)
    turtle.right(angle)
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)
    turtle.left(angle * 2)
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)
    turtle.right(angle)
    turtle.backward(branch_length)
```

     Code exécuté

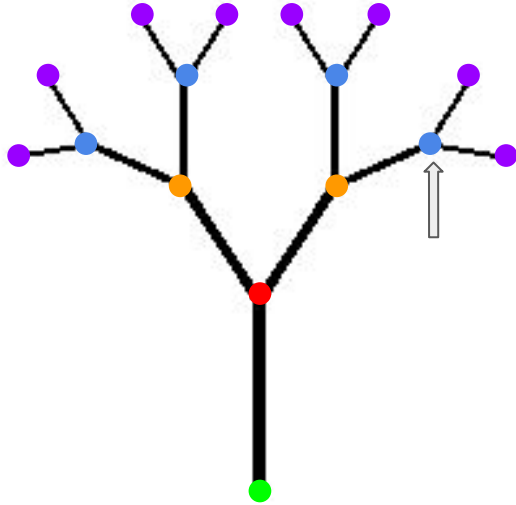


Dans la fonction n°5

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
    turtle.backward(branch_length)
```

 Code exécuté





Fermeture de la fonction n°5, on continue le code de la n°4: appel de la fonction n°8...

```
def fractal_canopy(turtle, branch_length, branch_width, ratio, depth, angle):  
    if depth == 0:  
        return None  
  
    turtle.width(branch_width)  
    turtle.forward(branch_length)  
    turtle.right(angle)  
  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.left(angle * 2)  
    fractal_canopy(turtle, branch_length * ratio, branch_width * ratio, ratio, depth - 1, angle)  
    turtle.right(angle)  
  
    turtle.backward(branch_length)
```

 Code exécuté