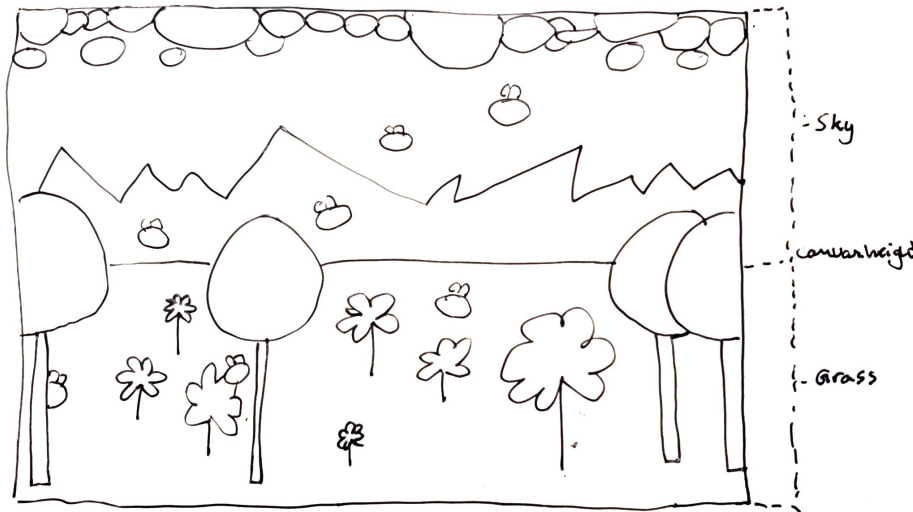


# U1- Scribble

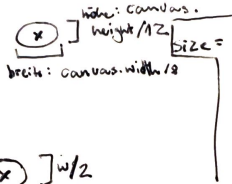




Wolken

speed:

0 bis 5



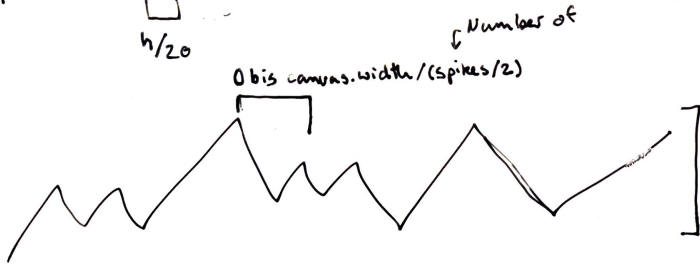
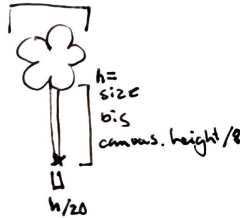
size:

$w = 10 \text{ bis } 50$

speed = 0 bis 10

Color  $\rightarrow$  random

$\text{Canvas.width}/18$   
 $\text{bis canvas.width}/90$



$\blacktriangledown$  x auf Zeichnungen  
 $=$  Ursprung des Objektes



```
export let canvas: HTMLCanvasElement = document.querySelector("canvas");
export let context: CanvasRenderingContext2D = canvas.getContext("2d");
let wiesenStart: number = canvas.height / 2;
let sky: Sky = new Sky("lightblue");
let mountains: Mountain = new Mountain(0, wiesenStart, 5, "lightgrey");
let grass: Grass = new Grass(canvas.width, canvas.height / 2, wiesenStart, "darkgreen");
let meadow: Meadow = new Meadow(50, wiesenStart);
let tropo: Troposphere = new Troposphere(3, wiesenStart / 2, [canvas.width / 8, canvas.height / 12]);
let forest: Forest = new Forest(3);
let beeHive: Hive = new Hive(20);
```



```
setInterval(updateIMG, 16);
```



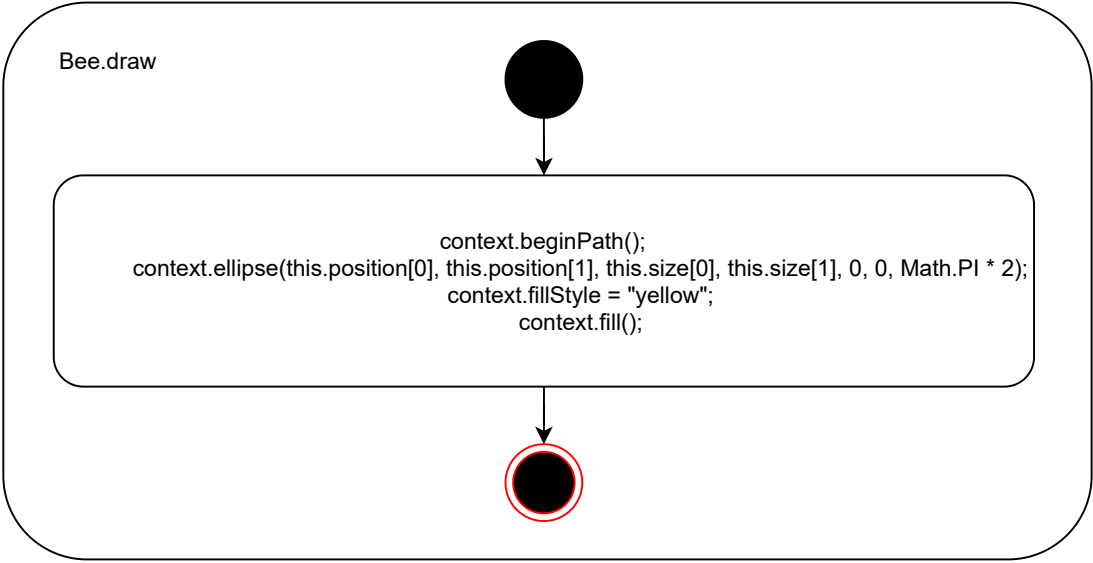
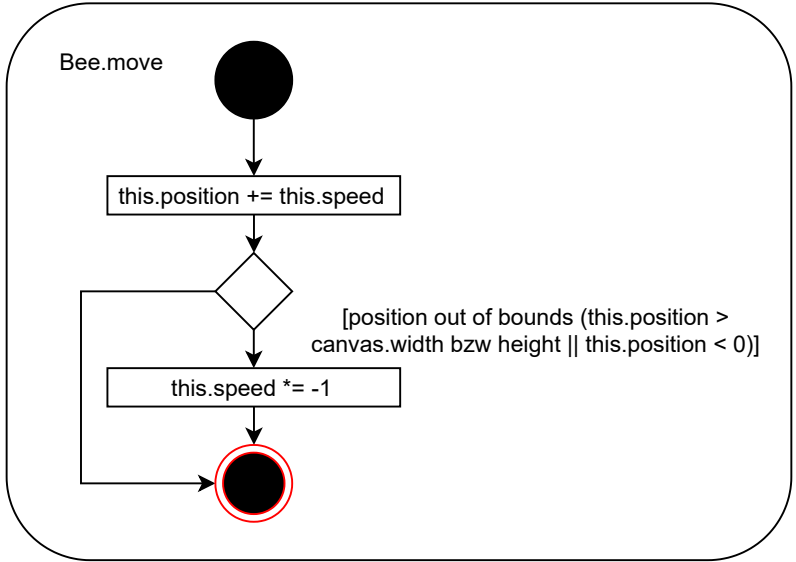
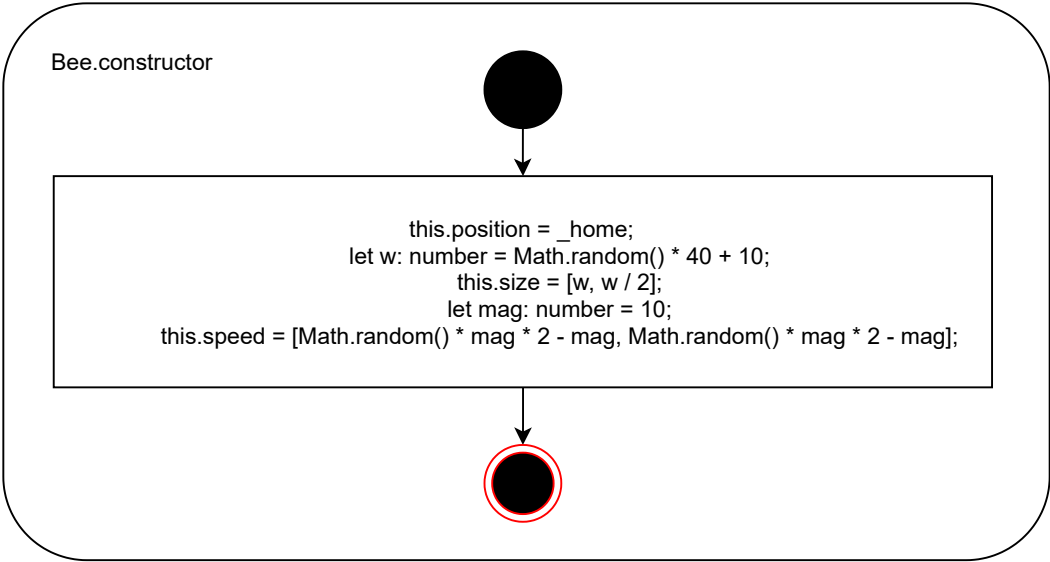
updateIMG



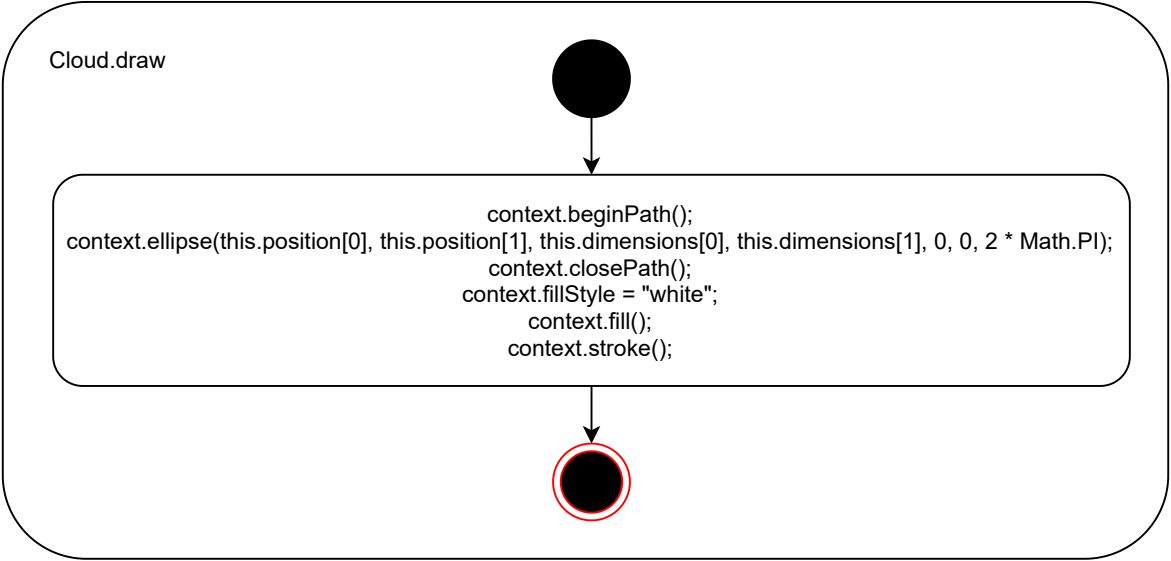
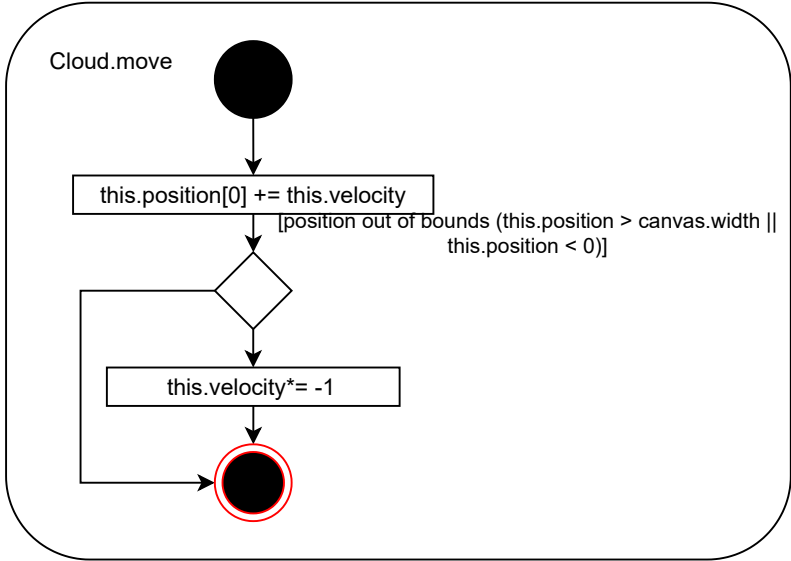
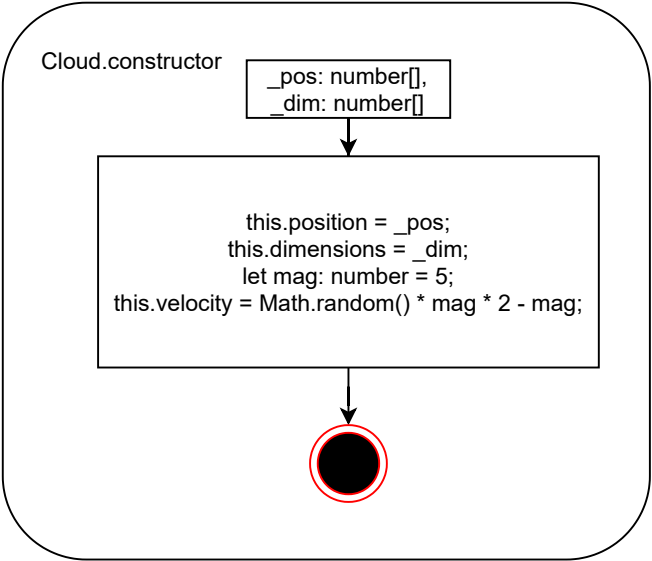
```
sky.draw();
mountains.draw();
grass.draw();
meadow.draw();
tropo.update();
beeHive.update();
forest.draw();
```



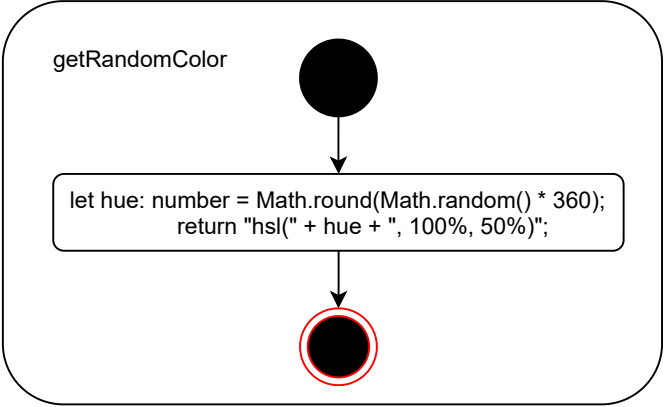
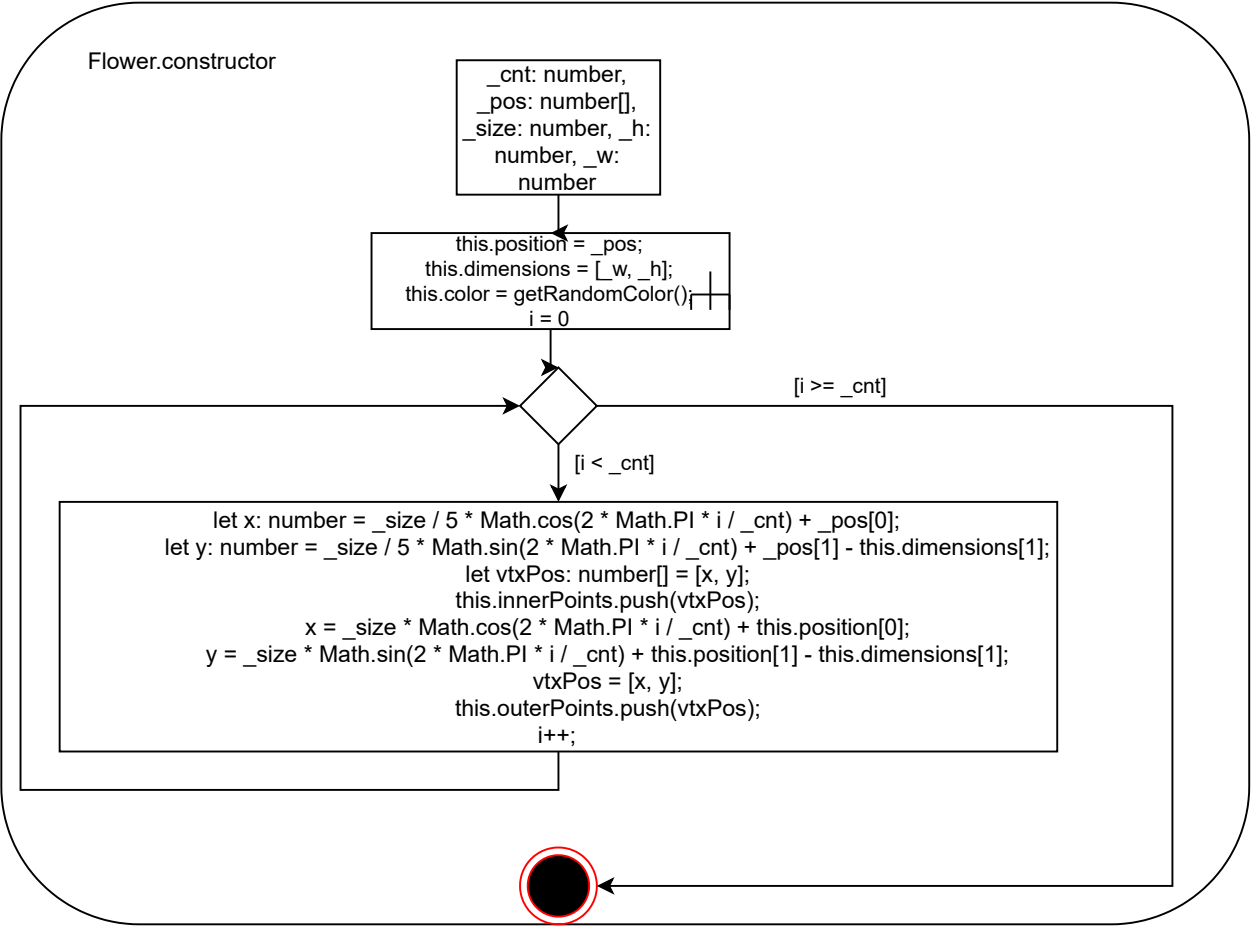
Bee
position: number[]; size: number[]; speed: number[];
constructor: void draw: void move: void



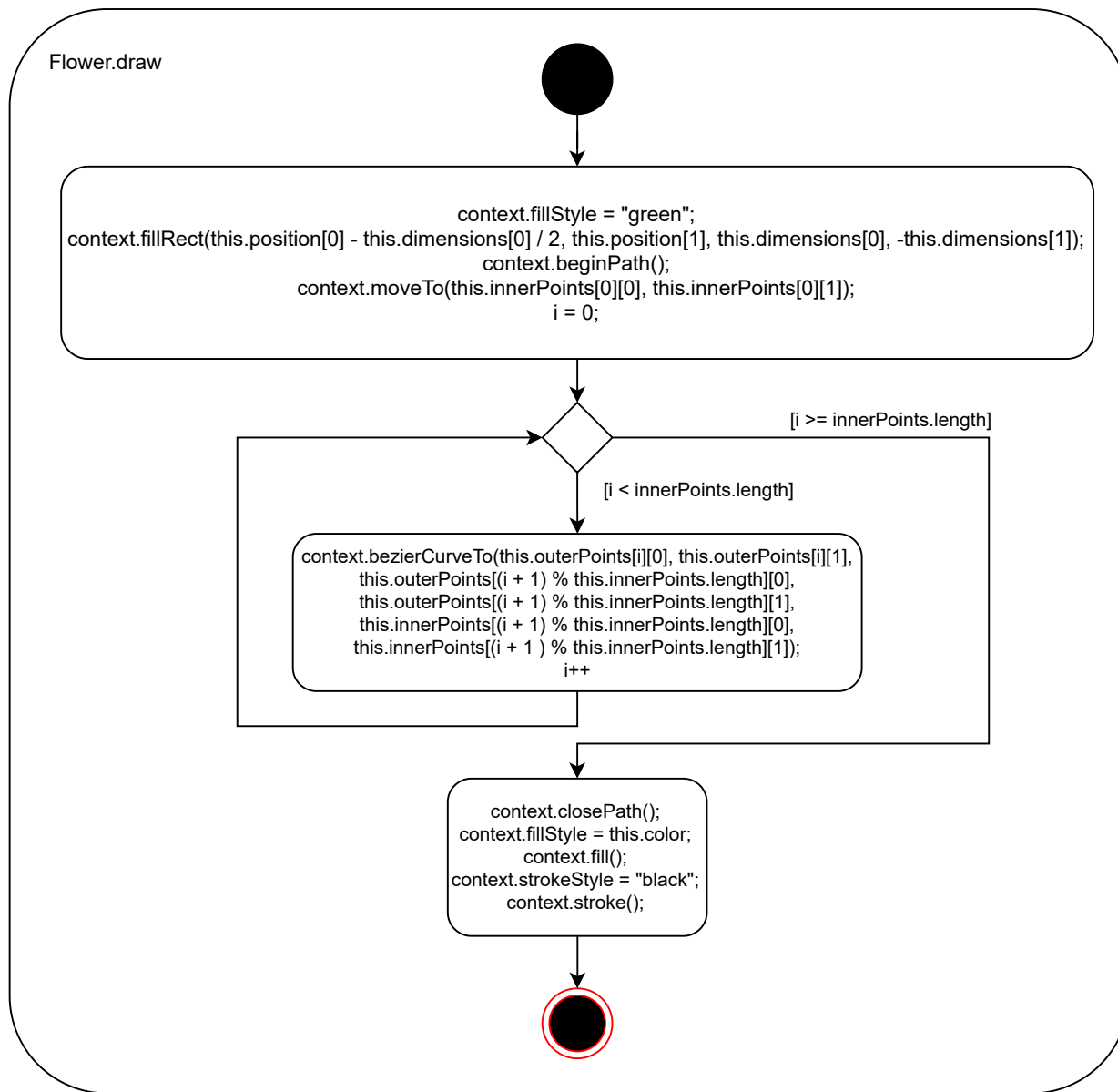
Cloud
position: number[]; dimensions: number[]; velocity: number;
constructor: void draw: void move: void



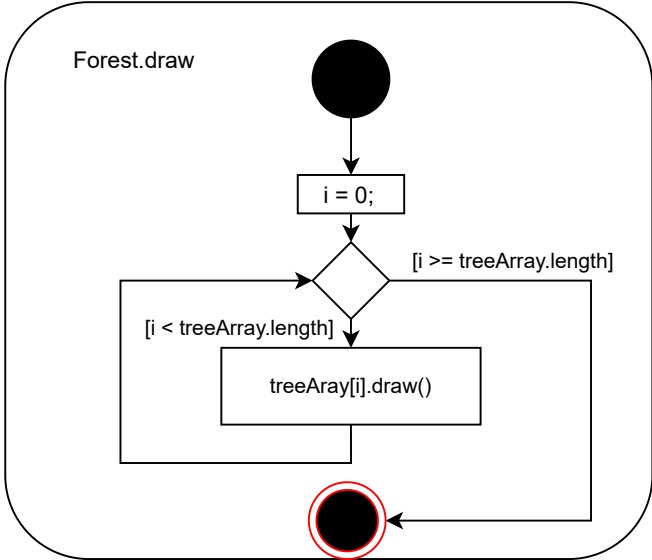
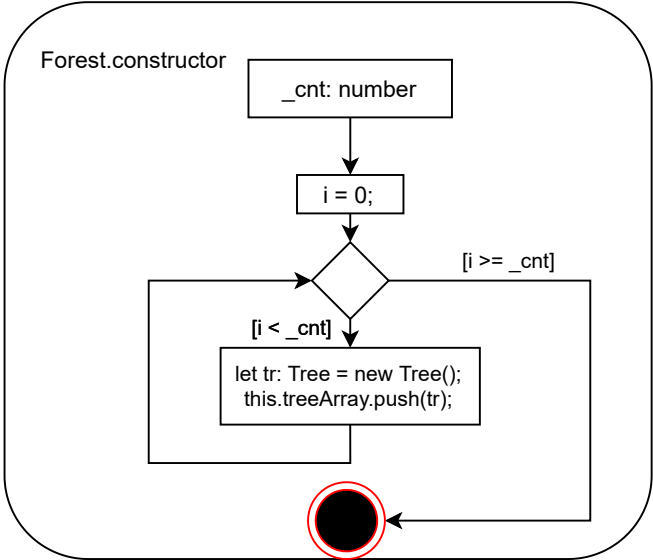
Flower
innerPoints: number[][] = []; outerPoints: number[][] = []; position: number[]; dimensions: number[]; color: string;
constructor: void draw: void move: void



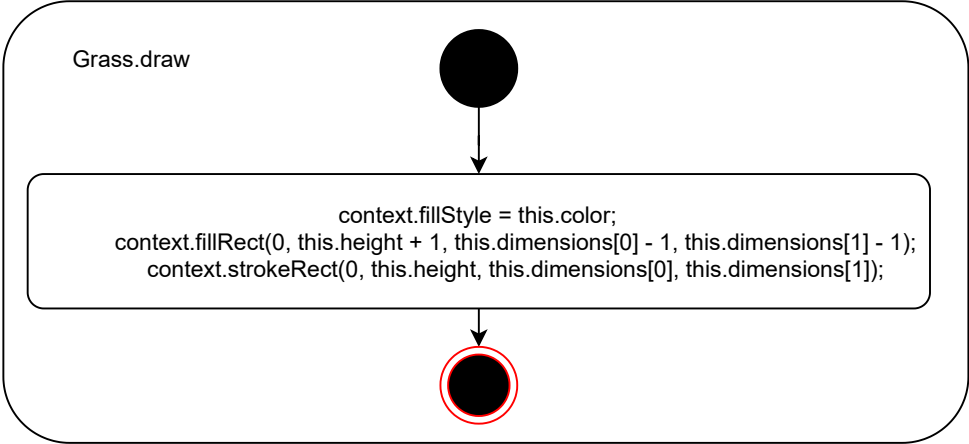
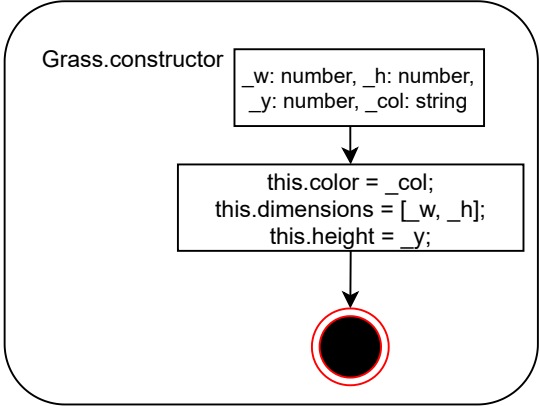
Flower.draw



Forest
treeArray: Tree[] = [];
constructor: void draw: void

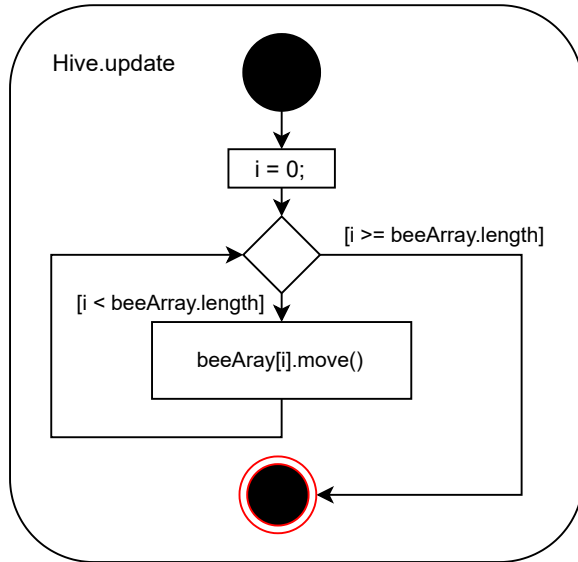
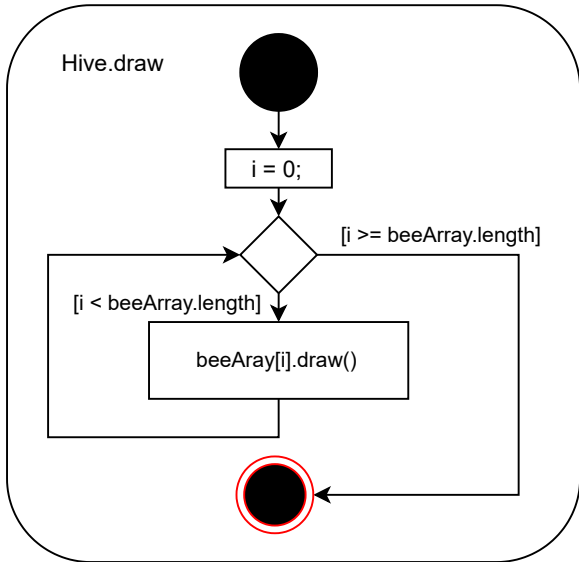
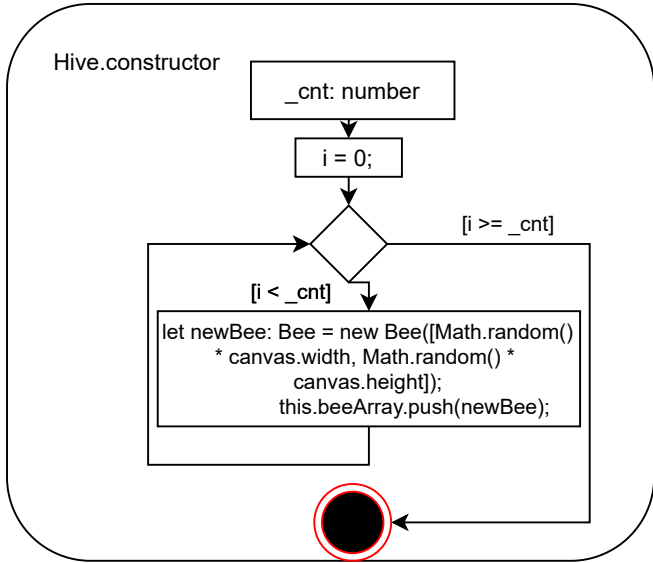


Grass
color: string; dimensions: number[]; height: number;
constructor: void draw: void

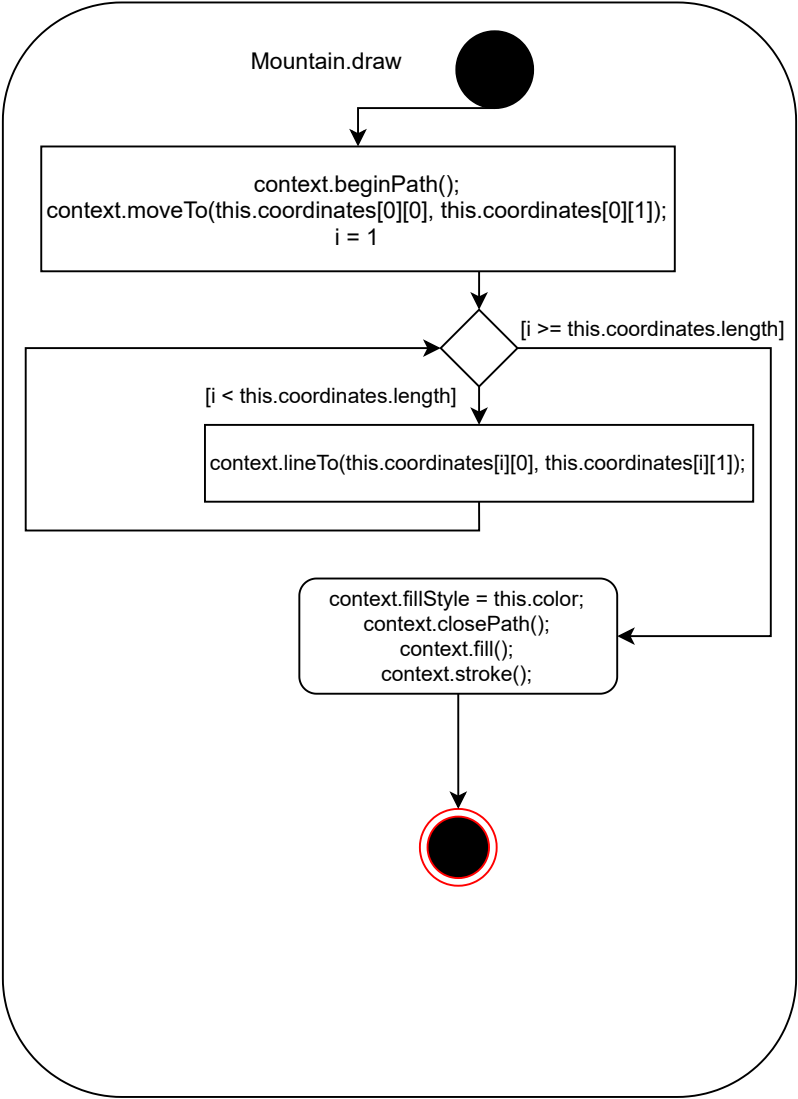
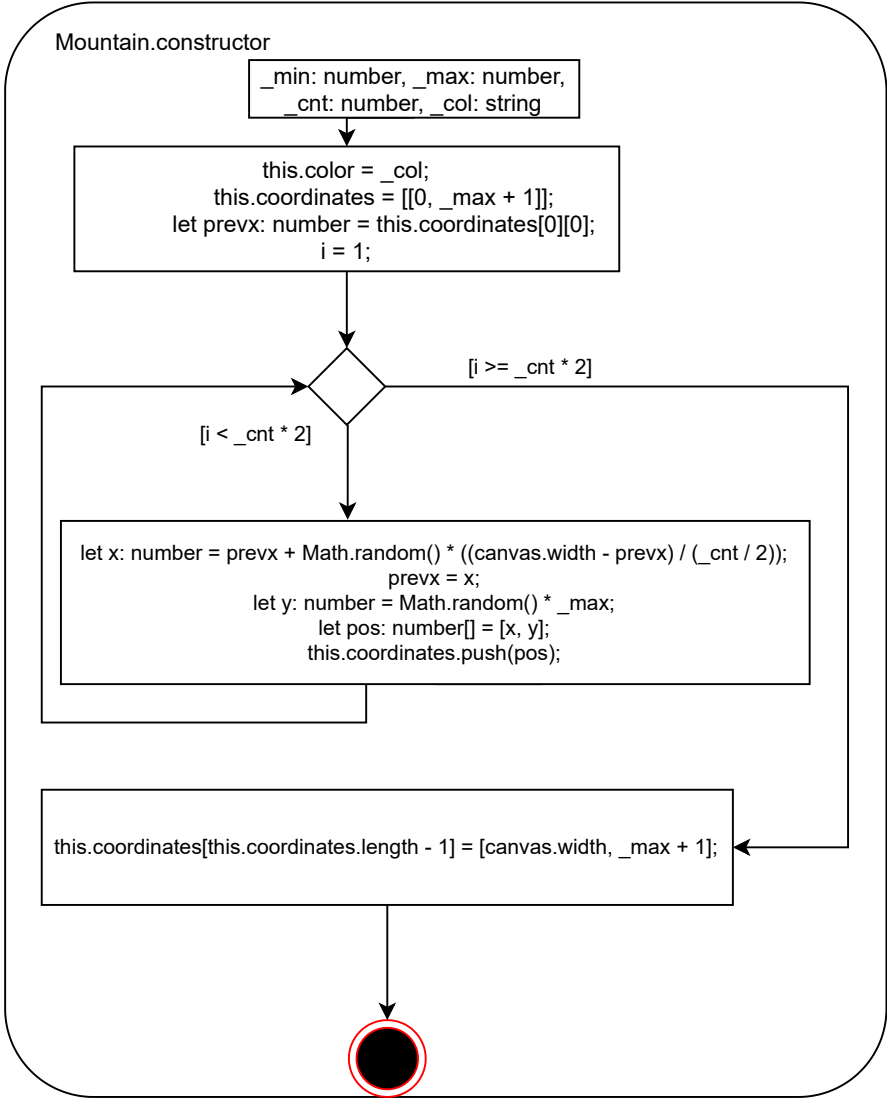




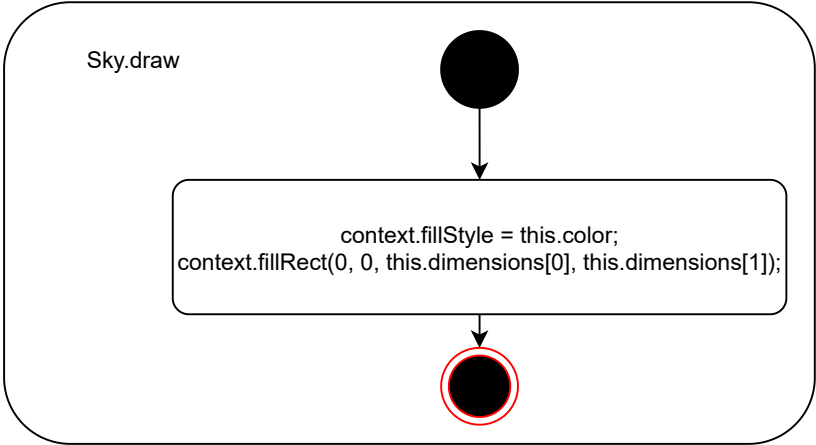
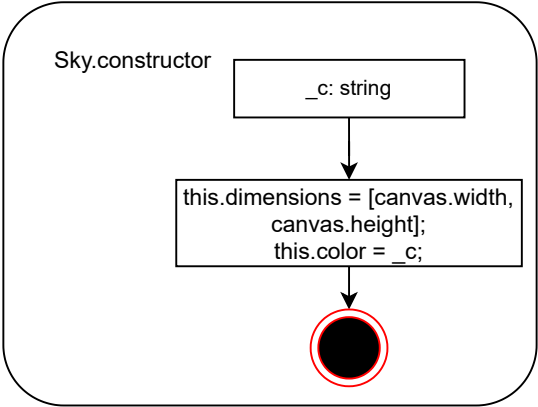
Hive
beeArray: Bee[] = [];
constructor: void draw: void update: void



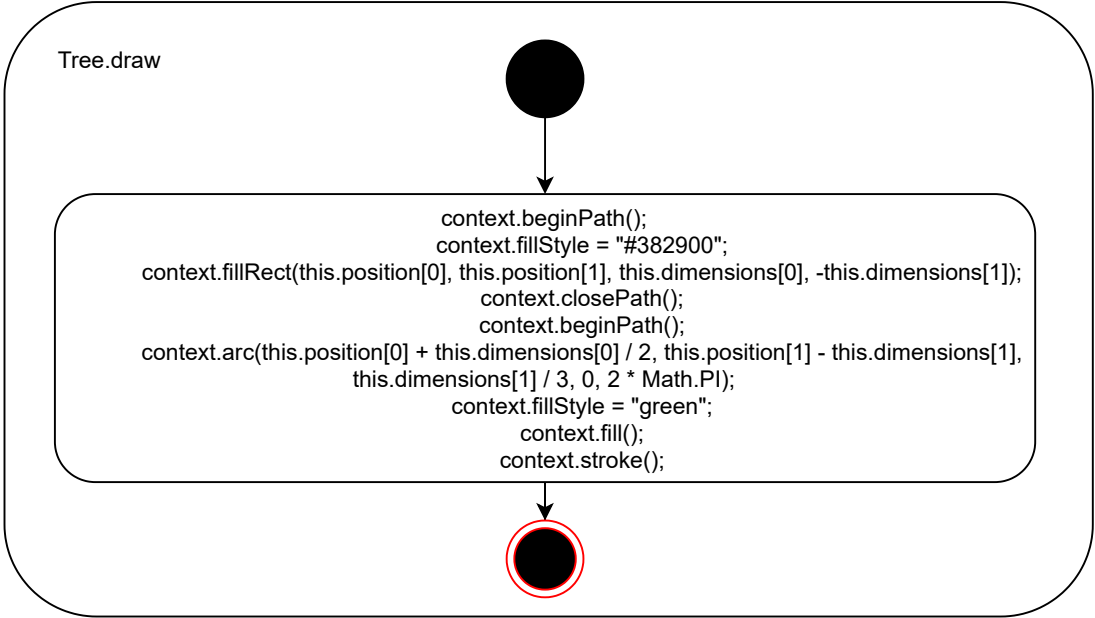
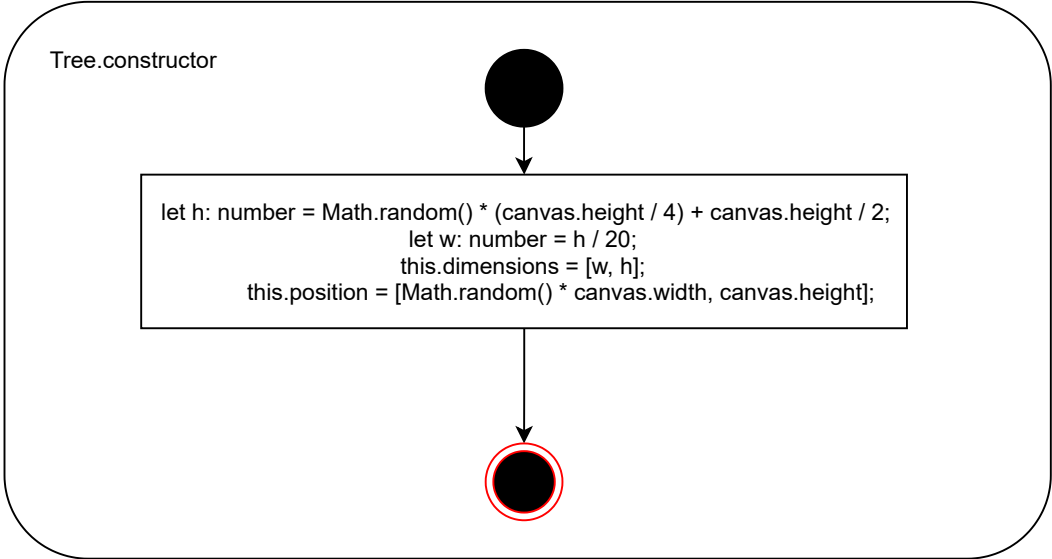
Mountain
<pre>coordinates: number[][]; color: string;</pre>
<pre>constructor: void draw: void</pre>



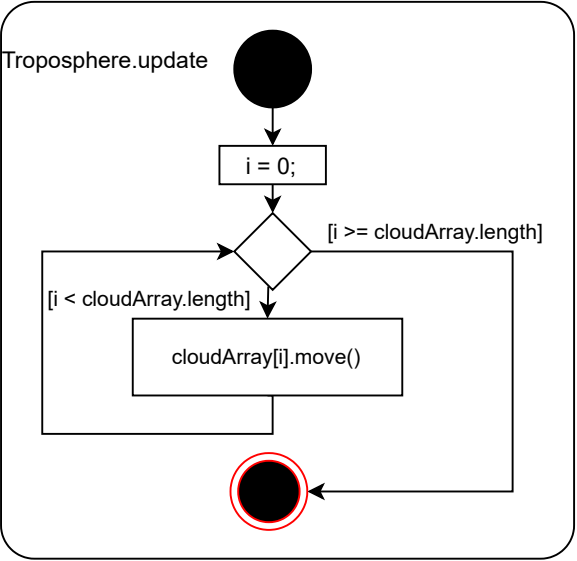
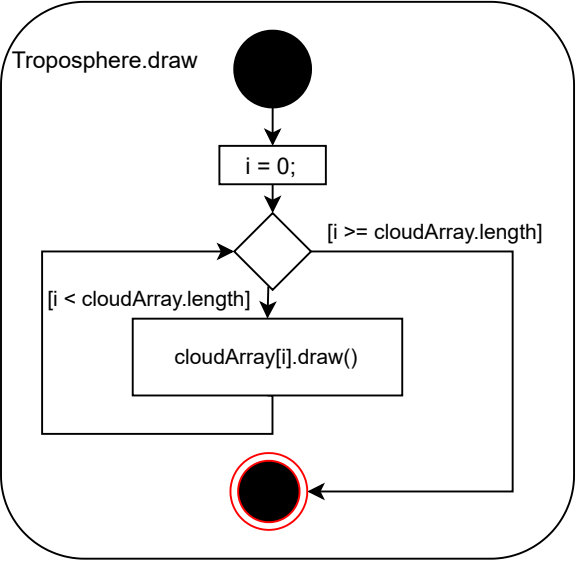
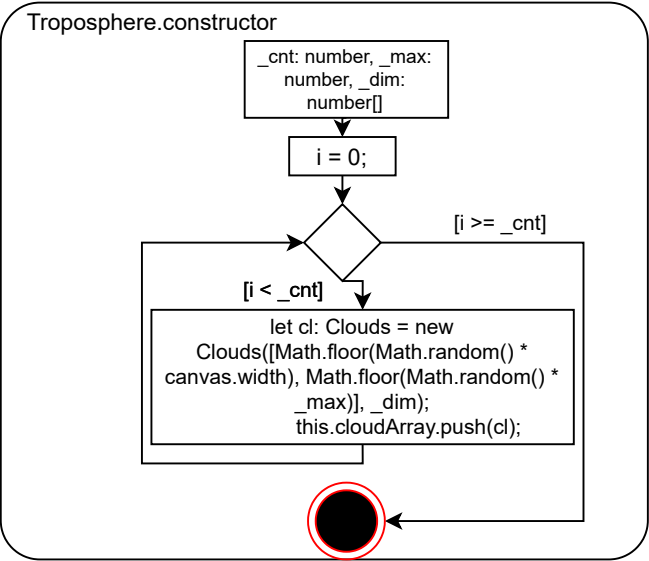
Sky
dimensions: number[]; color: string;
constructor: void draw: void



Tree
dimensions: number[]; position: number[];
constructor: void draw: void



Troposphere
cloudArray: Clouds[] = [];
constructor: void draw: void update: void



Meadow
flowerArray: Flower[] = [];
constructor: void draw: void

