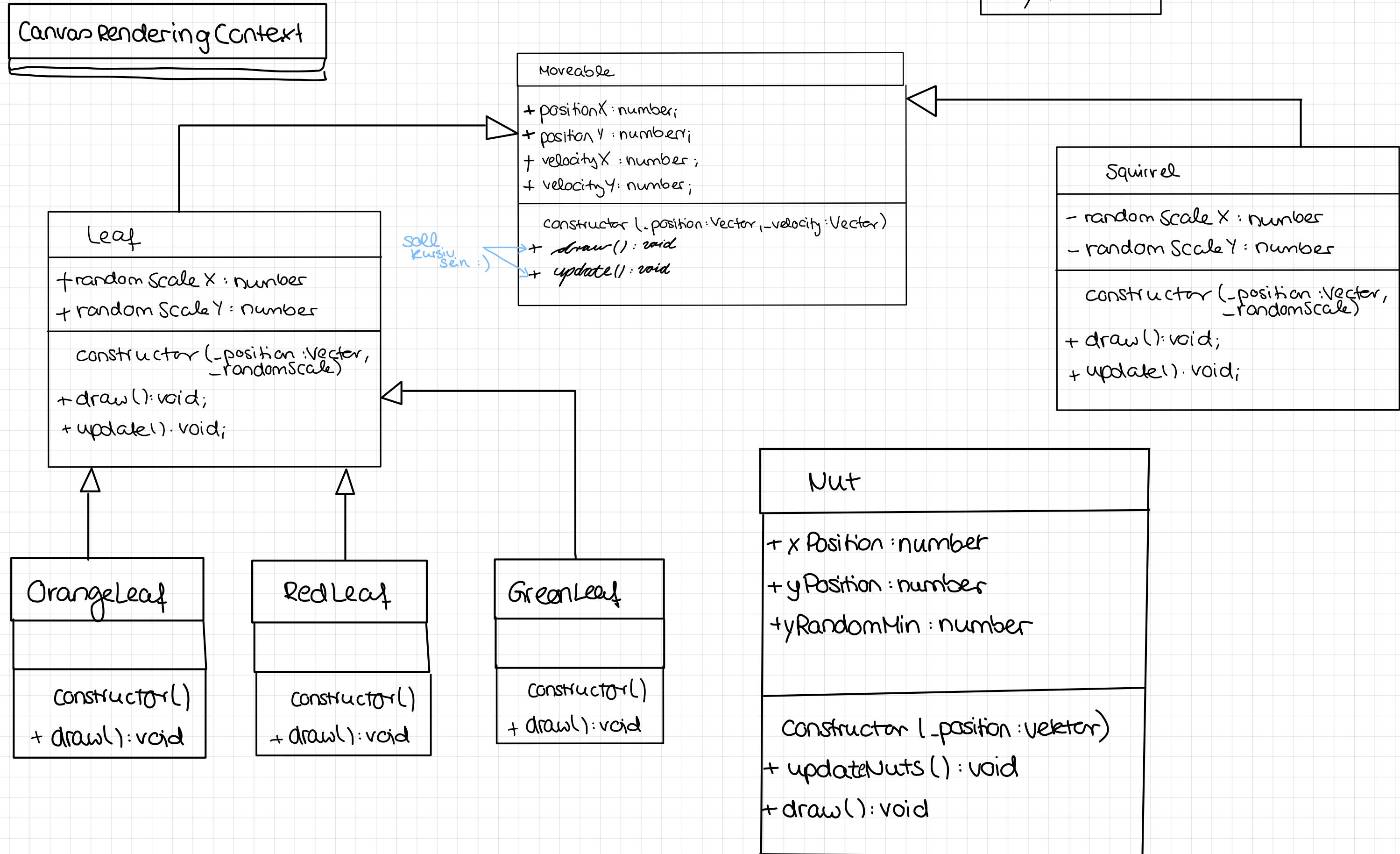


# Aufgabe 10.2 : Goldener Herbst - Advanced

## Klassendiagramm



# Aktivitätsdiagramm - Main

```
let crc2 : CanvasRenderingContext2D;
let goldenCut: number = 0, 62;
let squirrel: Squirrel[] = []
let leafs: Leaf[] = []
let imageData: ImageData;
```

load

handleLoad

click

place Nuts

- event: ClickEvent

place Nuts

push newNut

squirrel → lookForNut()

install load listener

createBackground

```
let horizon: crc2.canvas.height * goldenCut;
let posMountain = {x: 0; y: horizon}
```

handleLoad

let canvas = document.querySelector,

createBackground();  
createSquirrels(5);  
createLeafs(15);  
createCloud;  
move();

drawBackground();  
drawSun();  
drawMountain();  $\times$  with  
different coordinates  
drawEvergreen();

move

crc2.putImageData

index++

[index > moveables.length] → (0)

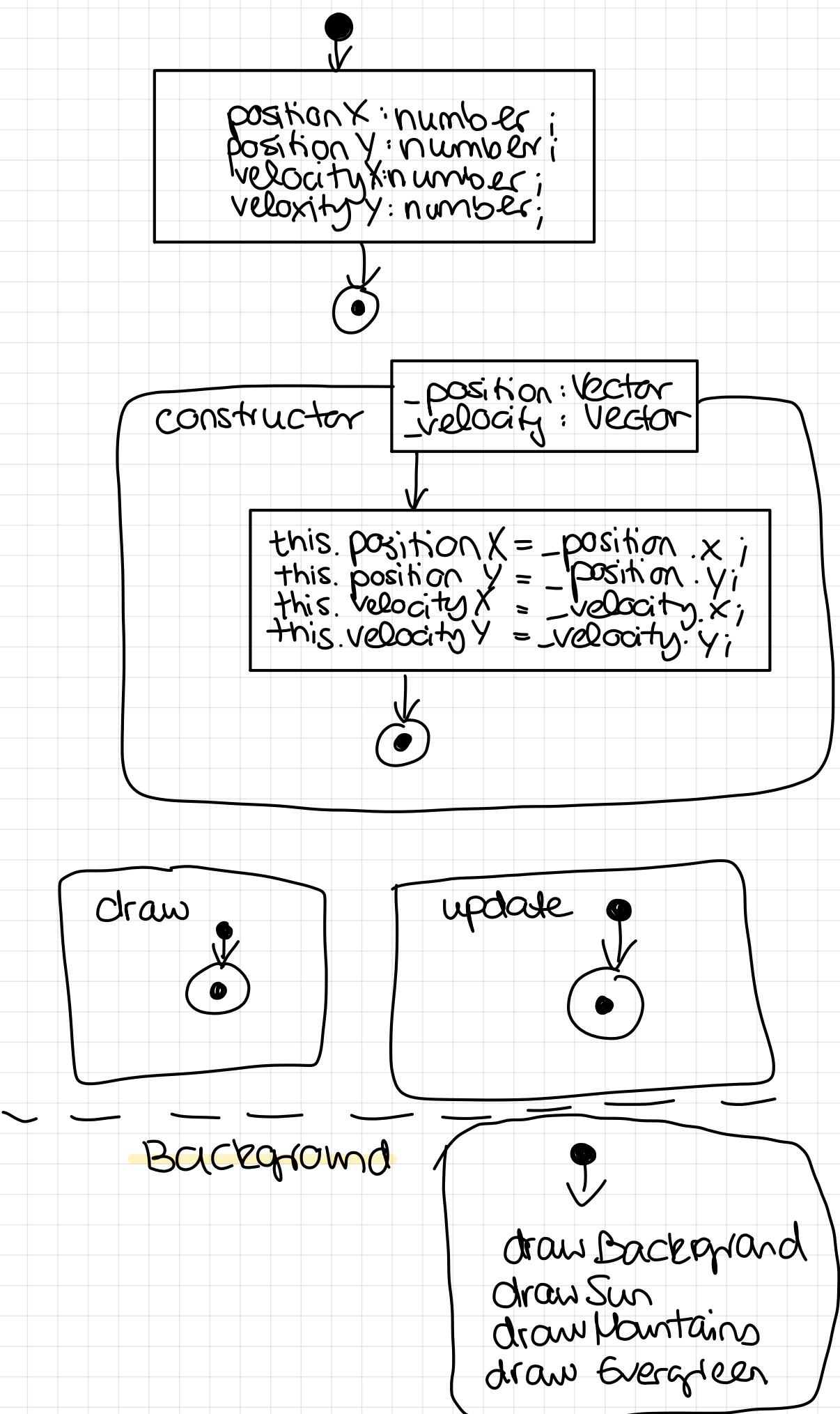
[index < moveables.length]

moveables[index].update();  
moveables[index].draw();  
nut[index].update();  
nut[index].draw();

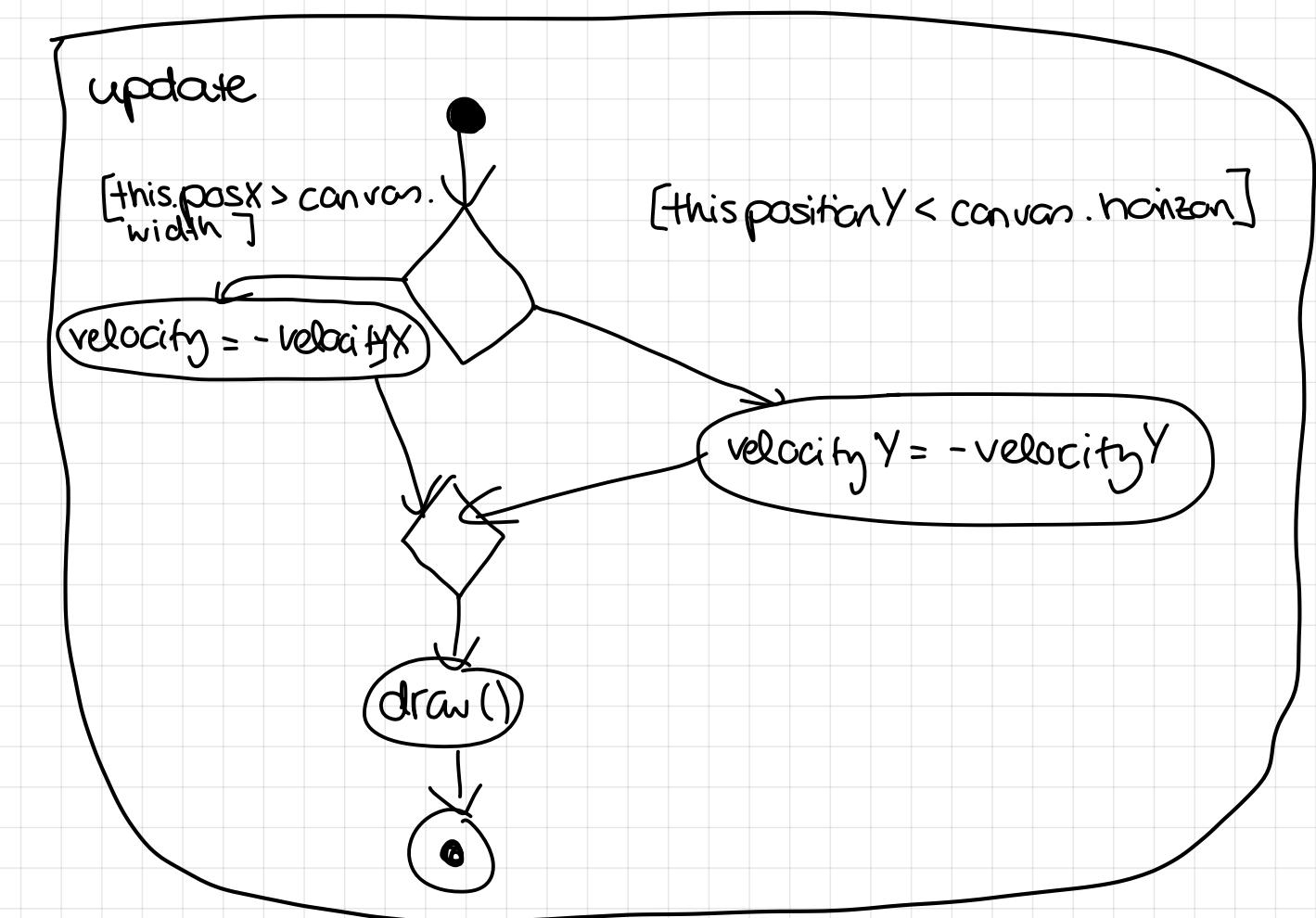
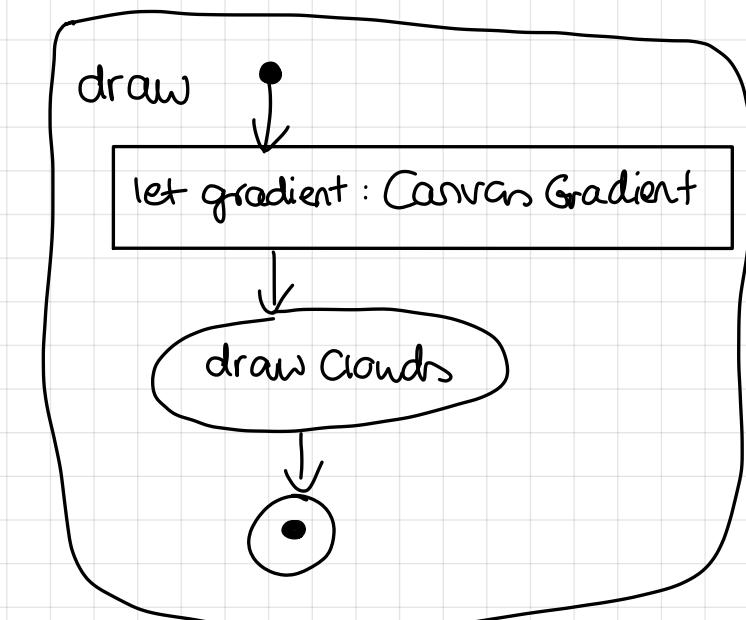
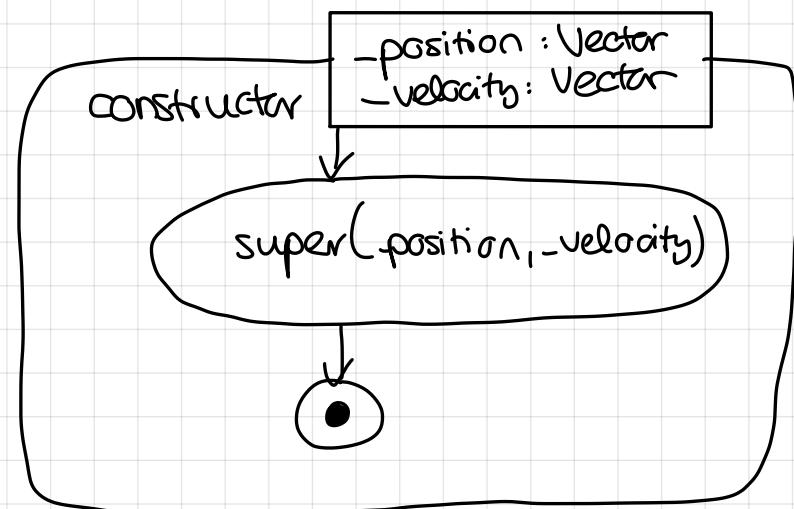
createCloud

moveables.push newCloud  
→ repeat 2 times

# Activity Diagram : Moveable



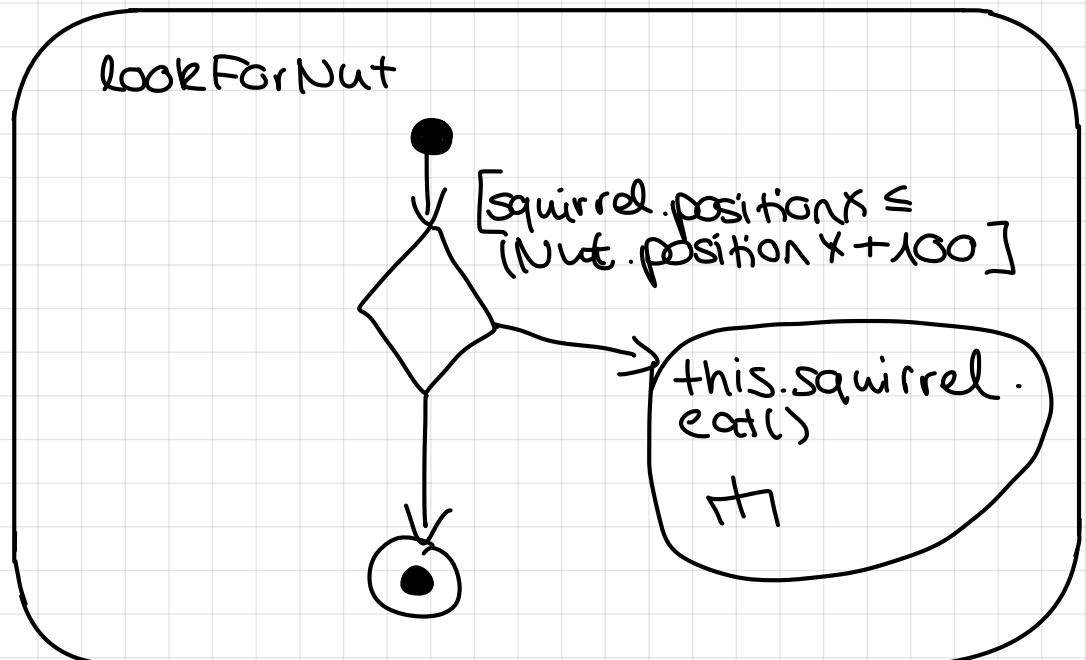
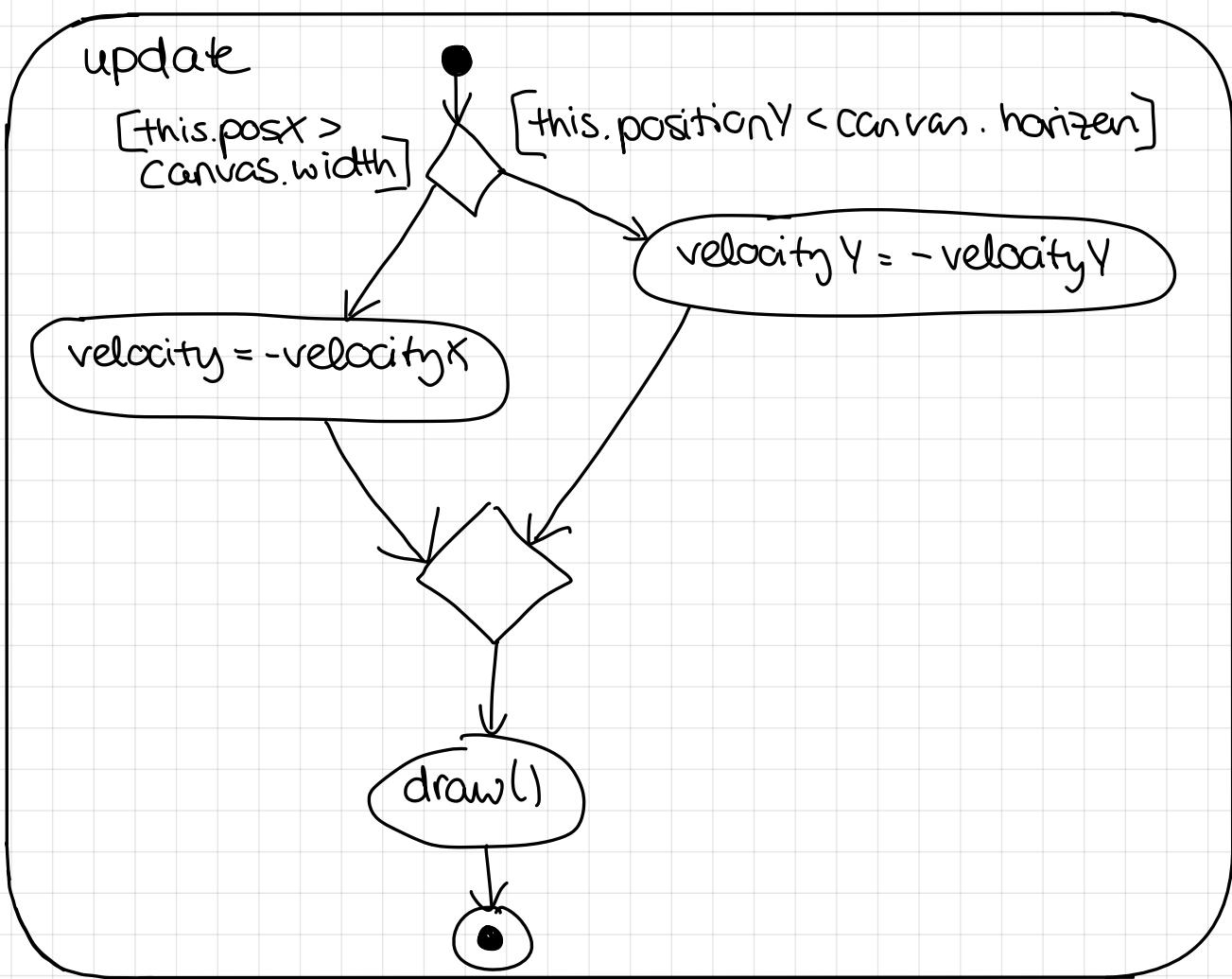
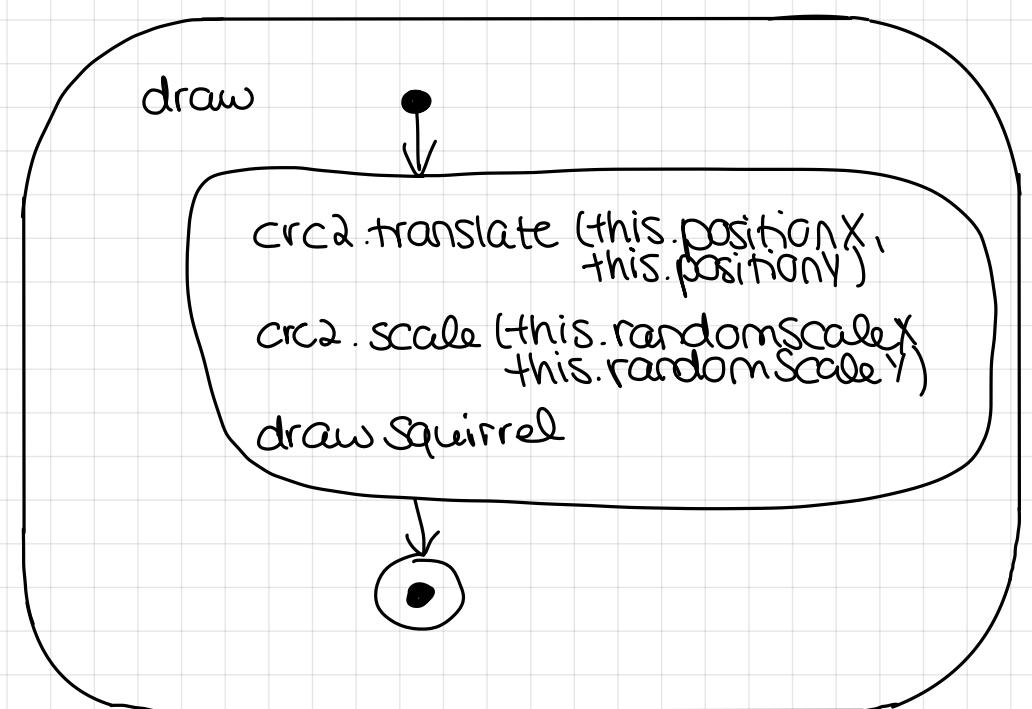
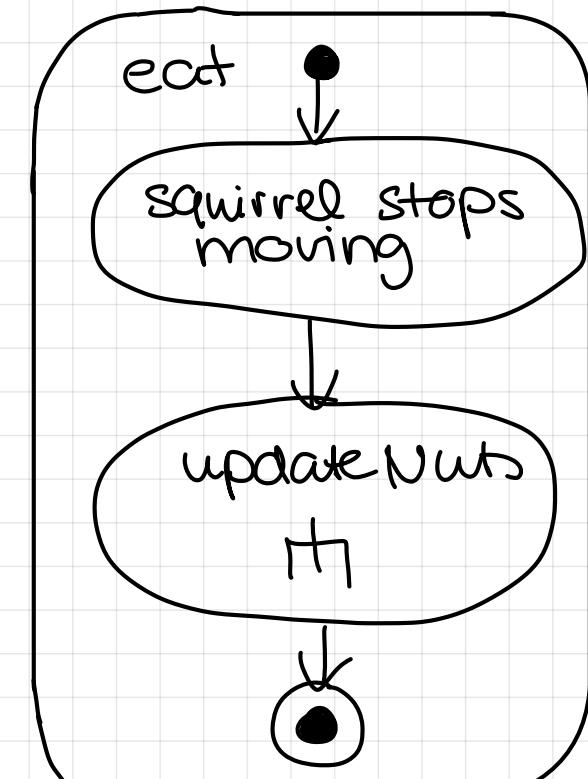
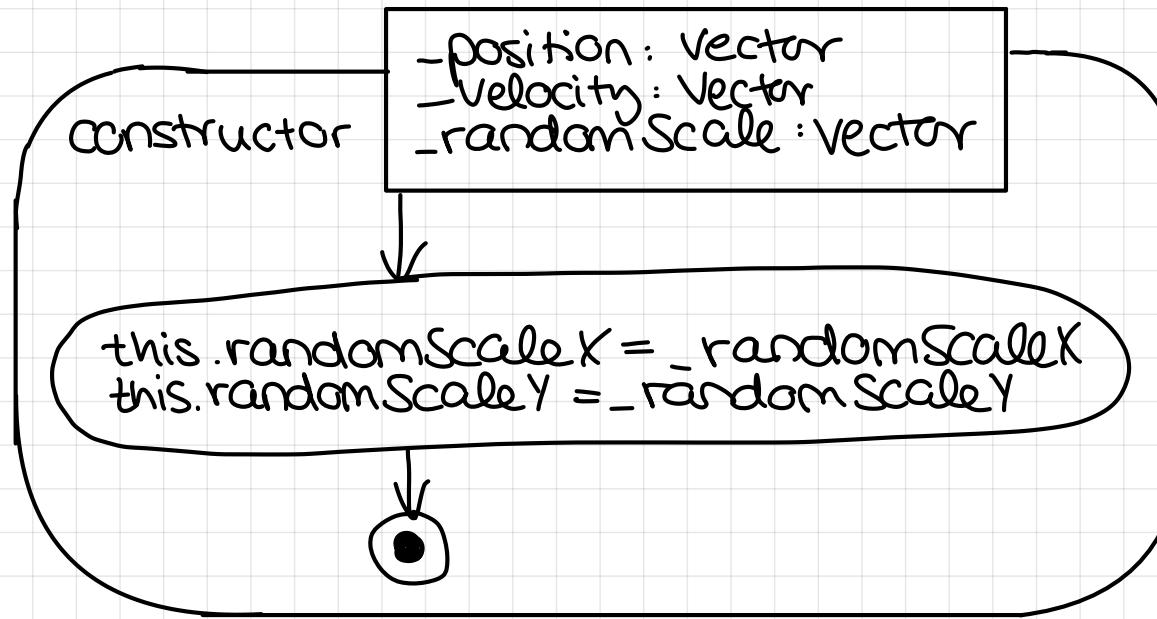
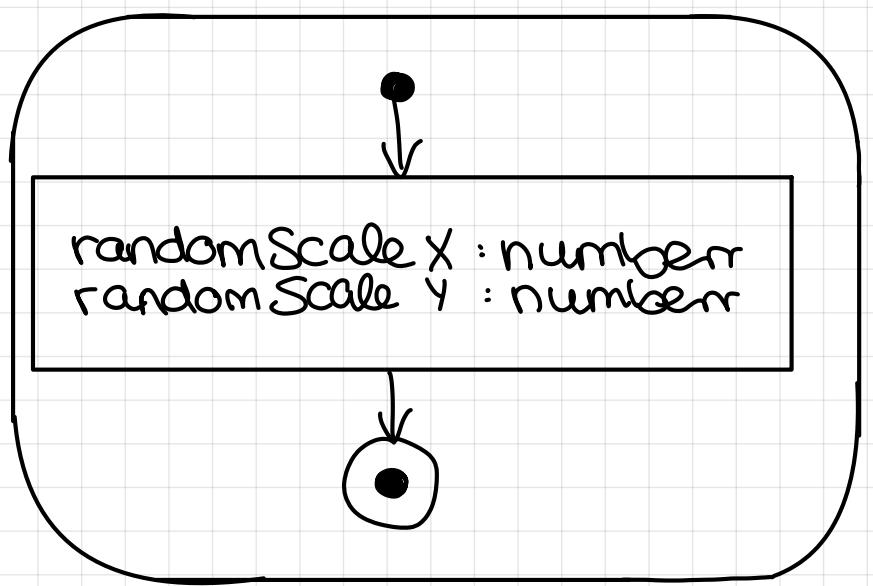
# CLOUDS



Background

draw Background  
draw Sun  
draw Mountains  
draw Evergreen

# Activity Diagram - Squirrel



Leads  
→ S.Squirrel

## Aktivitätsdiagramm - Nut

