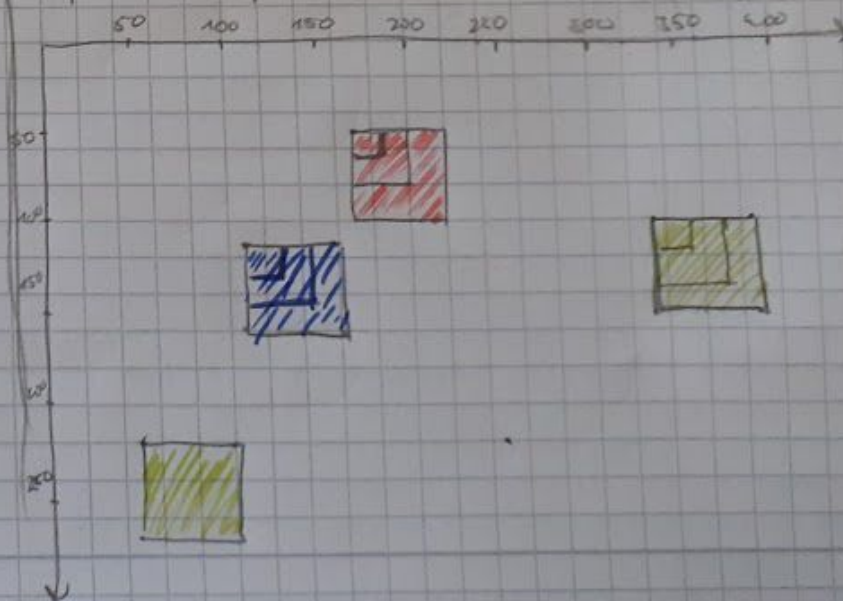


Boxes $n = m = 5$

Nr.	size	color string	x number	y number	i mode	Kommentar
2-51			0	0	0	$0 < 5 \rightarrow \text{true}$
7						$0 = 2? \rightarrow \text{false}$
8			170	50		
9		"#ff0000"				case: 0 / i = 0
12						
24	"big"					createBox()
25						createBox()
26	"medium"					createBox()
27	"small"					createBox()
7					1	$1 < 5? \rightarrow \text{true}$
8				100		$1 = 2? \rightarrow \text{false}$
9			240			$340 \neq 400$
16		"#00ff00"				case (1)
24	"big"					createBox()
25	"medium"					createBox()
26	"small"					createBox()
7					2	$2 < 5? \rightarrow \text{true}$
8				120		$2 = 2? \rightarrow \text{true}$
9			110			$510 \neq 400$
27		"#00ff00"				default (2)
24	"big"					createBox()
25	"medium"					createBox()
26	"small"					createBox()
7					3	$3 < 5? \rightarrow \text{true}$
8				170		$3 = 2? \rightarrow \text{false}$
9			220			$280 \neq 400$
14						case 3
7					4	$4 < 5? \rightarrow \text{true}$
8				230		$4 = 2? \rightarrow \text{false}$
9			150			$650 \neq 400$
16		"#00ff00"				case 4
24	"big"					createBox()
27						$4 = 6? \rightarrow \text{true}$
7					5	$5 < 5? \rightarrow \text{false}$

createBox let div. HTMLDivElement = document.createElement('div')
body → append child (only)

Nr.	classList	background color	left	top	Kommentar
35	"big"	"#ff0000"	170px	50px	rot
37	"medium"	"#ff0000"	170px	50px	rot
38	"small"	"#ff0000"	170px	50px	rot
35	"big"	"#00ff00"	340px	100px	grün
35	"medium"	"#00ff00"	340px	100px	grün
35	"small"	"#00ff00"	340px	100px	grün
35	"big"	"#00ff00"	110px	120px	grün
35	"medium"	"#00ff00"	110px	120px	grün
35	"small"	"#00ff00"	110px	120px	grün
35	"big"	"#00ff00"	220px	170px	grün

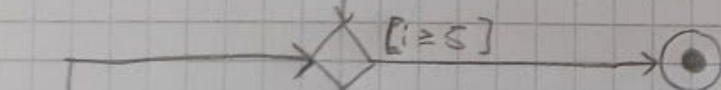


Boxes: Activity Diagram

Main

```

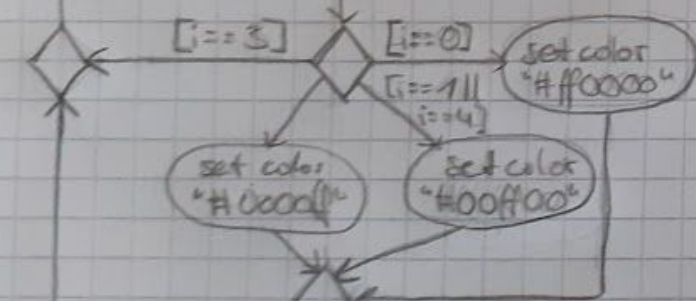
n: number = 5
y: number = 0
x: number = 0
color: string
i: number = 0
    
```



$i++$

```

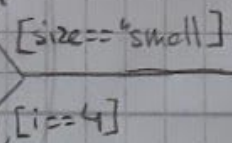
If  $i == 2$ , add 20 to y
else add 50 to y
Add 170 to x and set
x to  $x \% 400$ 
    
```



size: string = "big"

String von "big" -> "medium"
oder "medium" -> "small"

CreateBox() mit
color, x, y und size



CreateBox

```

- color: string
- x: number
- y: number
- size: number
    
```

Create div Element in Dok
and append div to body

```

add -size to div classList
set background color to -color
set left to -x + "px"
set top to -y + "px"
    
```