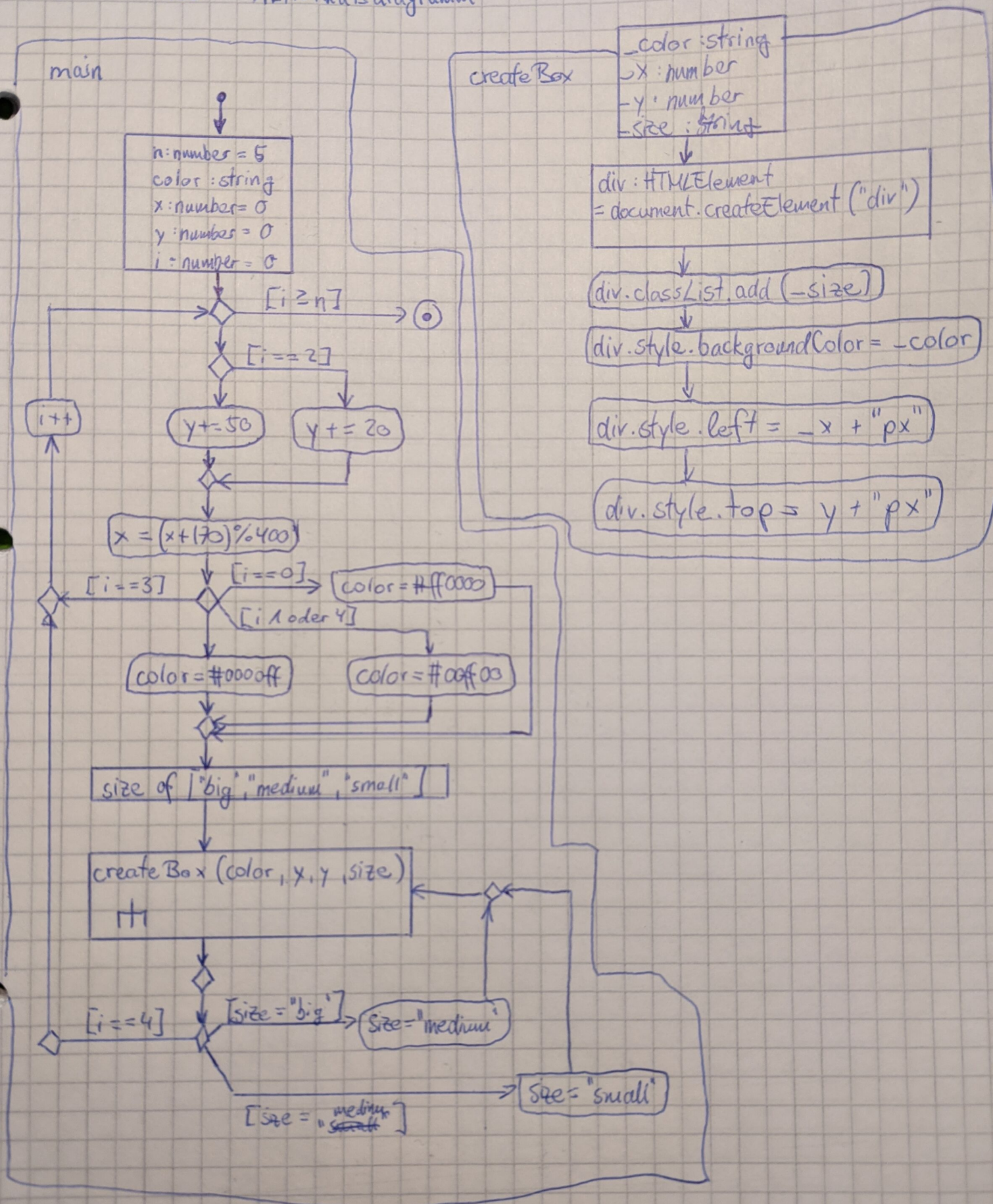
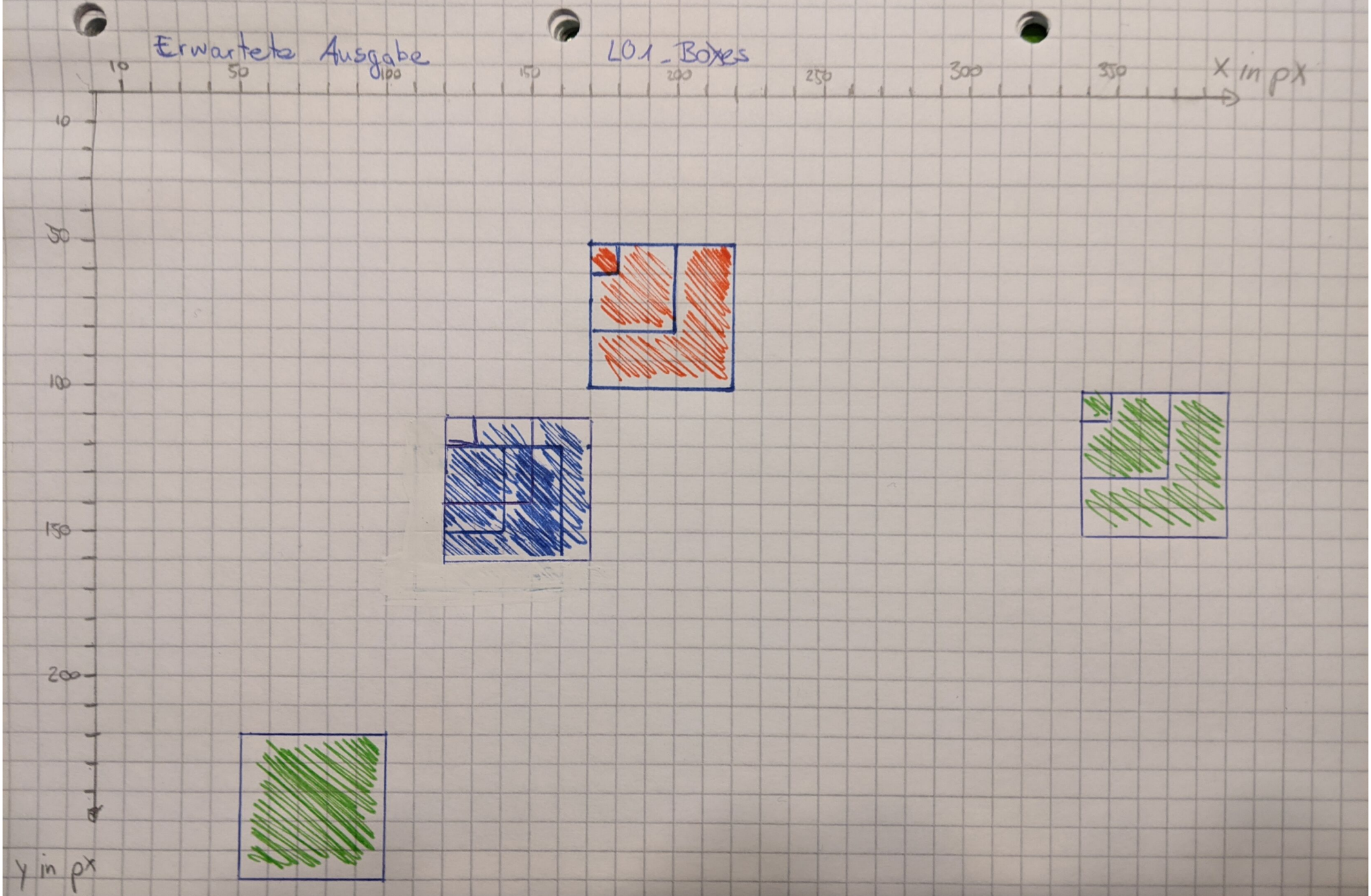
L01_Boxes : Aktivitätsdiagramm



Erwartete Ausgabe

L01_Boxes



Boxes

n : number = 5

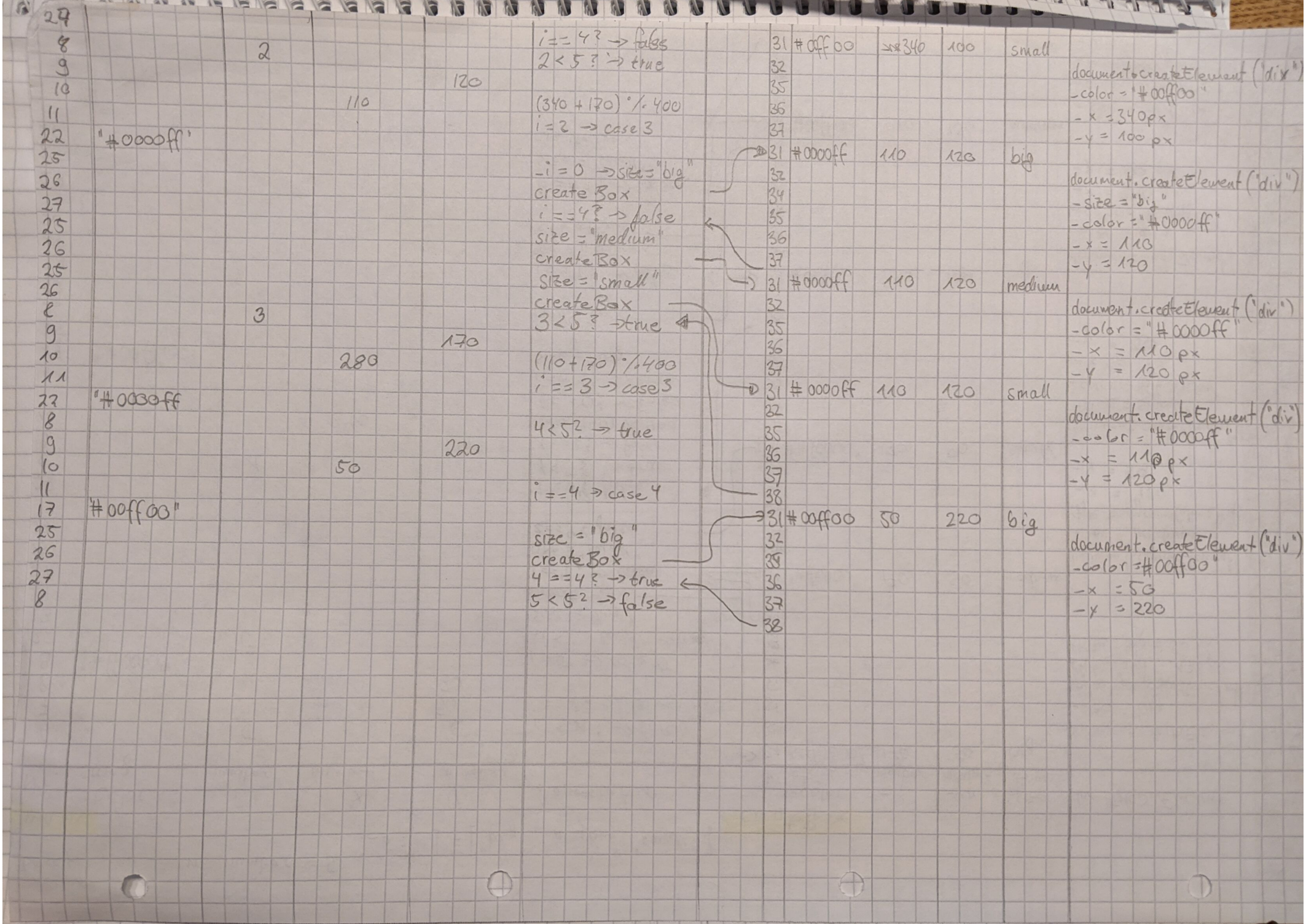
-a : string[] = ["big", "medium", "small"]

main

Nr	color string	i number	x number	y number	Kommentar
6		0	0	0	i < n ? → true
7				50	i == 2 ? → false → y + 50
8				170	
9	"#ff0000"				i = 0 → case 0
22		0			-i < -a.length ? → true
23					size = "big"
24					createBox
27					i == 4 ? → false
28					size = "small"
27					2 == 4 ? false
27					1 == 4 false
8		1			1 < 5 ? → true
9				100	1 == 2 ? → false
10			340		(170 + 170) % 400
					i == 0 ? → false
11					i == -1 ? → true
17	"#00ff00"				size = "big"
25					
26					createBox
27					
17					i == 4 ? → false
25					size = "medium"
26					createBox
27					i == 4 ? → false
25					size = "small"
26					createBox

createBox

Nr	color string	-x number	-y number	-size string	div HTMLDivElement
31	"#ff0000"	170	50	big	
32					document.createElement("div")
34					-size = big
35					style.backgroundColor = "#ff0000"
36					style.left = 170 px
37					style.top = 50 px
39					
31	"#ff0000"	170	50	medium	
32					document.createElement("div")
34					-size = medium
35					style.backgroundColor = "#ff0000"
36					-x = 170
37					-y = 50
31	"#ff0000"	170	50	small	
32					document.createElement("div")
34					-size = "small"
35					-color = "#ff0000"
36					-x = 170
37					-y = 50
38					
31	#00ff00	340	100	big	
32					document.createElement("div")
34					-size = big
35					-color = "#00ff00"
36					-x = 340 px
37					-x = 100 px
36					
31	#00ff00	340	100	medium	
34					-size = medium
35					-color = "#00ff00"
36					-x = 340 px
37					-y 100 px


27
8
9
10
11
22 "#0000ff"
25
26
27
25
26
25
26
8
9
10
11
23 "#0000ff
8
9
10
11
17 "#00ff00"
25
26
27
8
2
110
120
3
280
170
50
220
i == 4? → false
2 < 5? → true
(340 + 170) % 400
i = 2 → case 3
i = 0 → size = "big"
createBox
i == 4? → false
size = "medium"
createBox
size = "small"
createBox
3 < 5? → true
(110 + 170) % 400
i == 3 → case 3
4 < 5? → true
i == 4 → case 4
size = "big"
createBox
4 == 4? → true
5 < 5? → false
31 #ff0000 340 100 small
32
35
36
37
31 #0000ff 110 120 big
32
34
35
36
37
31 #0000ff 110 120 medium
32
35
36
37
31 #0000ff 110 120 small
32
35
36
37
38
31 #00ff00 50 220 big
32
35
36
37
38
document.createElement("div")
-color = "#00ff00"
-x = 340px
-y = 100 px
document.createElement("div")
-size = "big"
-color = "#0000ff"
-x = 110
-y = 120
document.createElement("div")
-color = "#0000ff"
-x = 110 px
-y = 120 px
document.createElement("div")
-color = "#0000ff"
-x = 110 px
-y = 120 px
document.createElement("div")
-color = #00ff00"
-x = 50
-y = 220