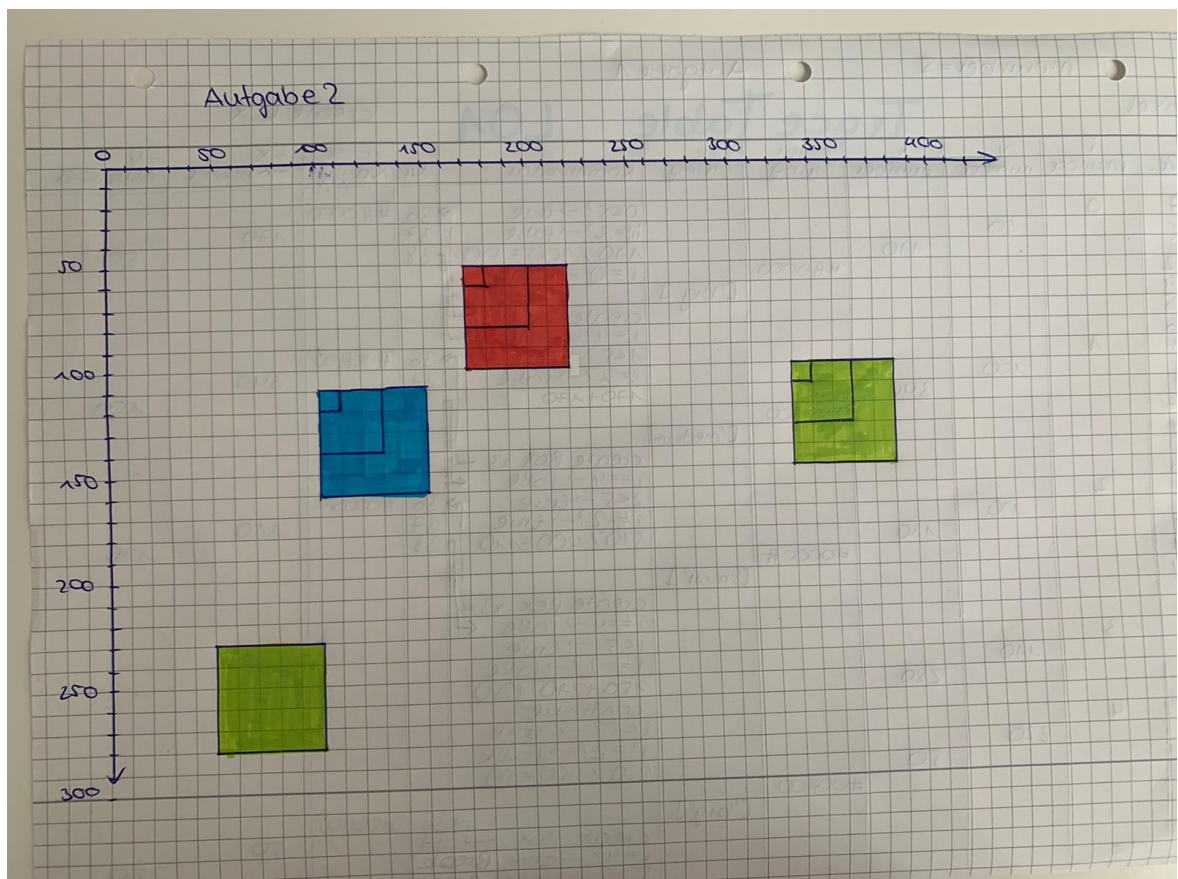n:number = 5   Aufgabe 1

Boxes   **Trace Table   L01**   create Box

Nr.	i number	y number	x number	color string	size string	Kommentar	Nr.	color string	-x number	-y number
7	0					0<5? → true	36	#A0000		
8		50				i!=2? → false	37		170	
9			170			170 % 400 = 170	38			50
12				#A0000		i=0 → True				
24					['big']					
25						create BOX x3				
26						i=4? → false				
7	1					1<5? → true	36	"#00H00"		
8		100				i!=2? → false	37		340	
9			340				38			100
16				#00H00						
24					['medium']					
25						create BOX x3				
26						i==4 → false				
7	2					2<5 → true	36	"#0000H"		
8		120				i!=2? → true	37		110	
9			110			510 % 400 = 110	38			120
21				#0000H						
24					['small']					
25						create BOX x3				
26						i!=4 → false				
7	3					i<5 → true				
8		170				i!=2? → false				
9			280			280 % 400 = 280				
19						continue				
7	4					i<5? → true				
8		220				i!=2? → false				
9			50			450 % 400 = 50				
16				#00H00			36	"#00H00"		
24					['big']		37		50	
25						create BOX	38			220
26						i=4? → true, break				
7	5					5>5? → false, break				

Aufgabe 5 Aktivitätsdiagramm

main

create Box

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

```
i:number=0
```

i<n

i++

y=y+50   y=y+20

x=(x+170)/400

contine   default   case 1
          ycase0   case4
     #f0000 #0000f #00f00

size["big","medium","small"] — [i=4]

create Box

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

create div

size

color

-x + " px "

-y + " px "