

habe size vergessen,
daher hier hinzugefügt :)

Aufgabe L01

Tracetable Boxes

n: number = 5;
x: number = 0;
y: numbers = 0;

main

size string	Nr	i number	x number	y number	color string	Kommentar
"big"	7	0		50		$0 < 5 \rightarrow \text{true}$ $0 \neq 2 \rightarrow \text{false}$
"medium"	8			170		case 0
"small"	9				#ff0000	createBox
"big"	10					createBox
"medium"	11					createBox
"small"	12					1 < 5 → true
"big"	13	1		100		1 ≠ 2 → false
"medium"	14			340		case 1 = case 4
"small"	15				#00ff00	createBox
"big"	16					createBox
"medium"	17	2		120		2 < 5 → true
"small"	18			110		2 = 2 → true
"big"	19				#000off	default
"medium"	20					createBox
"small"	21					createBox
"big"	22	3		170		3 < 5 → true
"medium"	23					3 ≠ 2 → false
"small"	24					4 < 5 → true
"big"	25	4		220		2 = 2 → true
"big"	26			50	#00ff00	case 4
"big"	27					createBox

createBox

Nr	-color string	-x numbers	-y numbers	Kommentar
36	#ff0000	170	50	backgroundColor + "px" + "px" i ≠ 4
37				backgroundColor + "px" + "px" i ≠ 4
38				backgroundColor + "px" + "px" i ≠ 4
39	#00ff00	340	100	backgroundColor + "px" + "px" i ≠ 4
40				backgroundColor + "px" + "px" i ≠ 4
41	#000off	110	120	backgroundColor + "px" + "px" i ≠ 4
42				backgroundColor + "px" + "px" i ≠ 4
43	#00ff00	350	229	backgroundColor + "px" + "px" i = 4 break
44				

* ergänzend: Zeile 7: i = 5 → 5 < 5 → false
↓
break

*

Aufgabe L01 Boxes - Aktivitätsdiagramm

main

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

```
i: number = 0
```

OK

[i < n]

[i == 2]

y += 20

y += 50

x = (x + 170) % 400

continue

[3]

[07] [17] [47]

setColor
#ff0000

setColor
#0000ff

SetColor
#00ff00

let size of ["big", "medium", "small"]

CreateBox ↗

[i == 4]

i++



