



Aufgabe 1

main

(hab von Katja gespielt)

Traceable Boxes

NR	i: number	x: number	y: number	color: string	size: string	Kommentar
7	0		50			
8						$0 < 5 \rightarrow \text{true} (+1)$
9		170				$0 \neq 2 \rightarrow 0 + 50 \rightarrow 50$
11						.
12				#ff 0000		Case 0
25						"big"
25						"medium"
25						"small"
7	1		100			create Box
8						create Box
9		340				create Box
16				#00ff00		1 < 5 $\rightarrow \text{true} (+1)$
25						$1 \neq 2 \rightarrow \text{false}$
25						Case 1 = case 4
25						"big"
25						"medium"
25						"small"
7	2		120			create Box
8						create Box
9		110				2 < 5 $\rightarrow \text{true} (+1)$
21				#0000ff		2 = 2 $\rightarrow \text{true}$
25						default
25						"big"
25						"medium"
25						"small"
7	3		170			create Box
8						create Box
9		280				3 < 5 $\rightarrow \text{true} (+1)$
7	4		220			3 $\neq 2 \rightarrow \text{false}$
8						4 < 5 $\rightarrow \text{true}$
9		50				2 = 2 $\rightarrow \text{true}$
21				#00ff00		case 4
25						"big"
7	5					create Box
						5 < 5 $\rightarrow \text{false}$
						break

Nr	-color: string	-x: number	-y: number	Kommentar
36	#ff 0000	170	50	background color wird "px" "px" i $\neq 4$
37				background color "px" "px" i $\neq 4$
38		340	100	background color "px" "px" i $\neq 4$
36	#00ff00	110	120	background i $\neq 4$
37				background i $\neq 4$
38		350	225	background i $\neq 4$
36	#0000ff			i = 4 $\rightarrow \text{break}$
37				
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36	#00ff00			
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LDA

main

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

i: number = 0

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[i < n]

[i == 2]

y + 20

y + 50

x = (x + 170) % 400

[0]

set color
#ff0000

Continue

set color
#00ff00

if [i] < [3]

set color
#00ffff

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

create box

[i = ← i]

create Box

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

create HTML Div Element

appendChild to body

add -size

define -color

```
set style.left = -x + "px"  
set style.top = -y + "px"
```

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