

Trace Table:

Boxes									
Let n: number = 5									
main:									
Nr.	Let color: string	let x: number	let y: number	i: number	Kommentar	Nr.	Let size: string []	i: number	Kommentar
4		0				7		0	
5			0			24	["big"]		
7				0	$0 < 5 \Rightarrow \text{true}$	7		1	
8			50		$0 = 0 + (0+2) \Rightarrow \text{false}$	24	["medium"]		
9		170			$0 = 170 \% 400 \Rightarrow \text{Rest}$	7		2	
12	#ff0000				$i = 0 \Rightarrow \text{true}$	24	["small"]		
7				1		7		3	
8		340	100		$1 = 2 \Rightarrow \text{false}$	24	["small"]		
9		471	50			7		4	
14	#00ff00					24	["small"]		
7				2					
8		110	120		$2 = 2 \Rightarrow \text{true}$				
9		472							
15	#00ff00			3	$\Rightarrow \text{default}$				
21	#0000ff					Nr.	createBox (color, x, y, size)	Let div: HTML Div Element	i: number
7			130	3		7			0
8		280	50			32	("#ff0000", 170, 50, "big")		
9		473				33		create Element ("div")	
19	#00ff00					7			1
7				4		32	("#00ff00", 340, 100, "medium")	create Element ("div")	
8		50	220			33			2
9		474	50			7			
16	#00ff00					32	("#0000ff", 110, 120, "small")		3
						7			
						32	("#00ff00", 280, 130, "small")	create Element ("div")	4
						33			
						7			
						32	("#00ff00", 471, 50, "small")	create Element ("div")	
						33			

Aktivitätsdiagramm:

