Aufgabe 1.1

Zeile	i:number	k:number	nums:number[]	length:number	start:string	result:string	Kommentar
3	0						0<3
4					"m"		createCall "m"
8				2			
9		2					2<0
10							2=!1 || 2=!1 = false
12					"mu"		
9		1					1>0
10							1=1 || 1=1 =true
11					"muh"		
12					"muhu"		
9							0>0 -Bedingung nicht erfüllt Schleife endet start wird zurückgesetzt
14							
5						"muhu"	console.log "muhu"
3	1						1<3
4					"m"		createCall "m"
8				6			
9		6					
10							6=!1 || 6=!3 = false
12					"mu"		
8				6			
9		5					
10							5=!1 || 5=!3 = false
12					"muu"		
8				6			
9		4					
10							4=!1 || 4=!3 = false
12					"muuu"		
8				6			
9		3					
10							3=!1 || 3==3 = true
11					"muuuh"		
12					"muuuhu"		
8				6			
9		2					
10							2=!1 || 2=!3 = false
12					"muuuhuu"		
8				6			
9		1					
10							1==1 || 1=!3 =true
11					"muuuhuuh"		
12					"muuuhuuhu"		
8				6			
9		0					
10							0=!1 || 0=!3 = false Schleife endet start wird zurückgesetzt
5						"muuuhuuhu"	console.log "muuuhuh"
3	2						2<3
4					"m"		createCall "m"
8				5			
9		5					
10							5=!1 || 5=!2,5 = false
12					"mu"		
8				5			
9		4					
10							4=!1 || 4=!2,5 = false
12					"muu"		
8				5			
9		3					
10							3=!1 || 3=!2,5 = false
12					"muuu"		
8				5			
9		2					
10							2=!1 || 2=!2,5 = false
12					"muuuu"		
8				5			
9		1					
10							1==1 || 1=!2,5 = true
11					"muuuuh"		

Aufgabe 1.2

Zeile
-3
4
-4
-5
10
12
-7
10
11
12
9
14
5
-1
4
4
3
10
12
4
1
10
12
4
-1
10
12
4
-3
10
11
12
4
-5
10
12
4
-7
10
11
12
4
-9
10
5
1
4
2
1
10
12
2
-1
10
12
2
-3
10
12
2
-5
10
12
2
-7
10
11

12	"muuuuhu"		12
	Schleife endet		
5	"muuuuhu"	console.log "muuuuhu"	5

Aufgabe1.2 **Aufgabe1.3**

Zeile	n:number	c:string	x:number	y:number	i:number	a:number	switch	_color:string	_x:number	_y:number	_width:number	_height:number	s	Zeile
2	5													8
4			0											-4
5				0										-5
7					0									-7
8				50										92
9			170											331
10							0							-10
12		#ff0000												12
23				50										77
24														24
25														25
31								#ff0000	170	50	50	50	50	31
32														32
33														33
35													CSSStyleDeclaration = div.style	35
36													"thin solid black"	36
37													"absolute"	37
38													#ff0000	38
39													50px	39
40													50px	40
41													170px	41
42													50px	42
25														25
23				30										37
24														24
31								#ff0000	170	50	30	30	30	31
32														32
33														33
35													CSSStyleDeclaration = div.style	35
36													"thin solid black"	36
37													"absolute"	37
38													#ff0000	38
39													30px	39
40													30px	40
41													170px	41
42													50px	42
25														25
23				10										-3
24														24
31								#ff0000	170	50	10	10	10	31
32														32
33														33
35													CSSStyleDeclaration = div.style	35
36													"thin solid black"	36
37													"absolute"	37
38													#ff0000	38
39													10px	39
40													10px	40
41													170px	41
42													50px	42
25														25
23				-10										-43
24														24
2	5													8
4			0											-4
5				50										95
7					1									-5
8				100										192
9			340											671
10							1							-8
11														11
12		#00ff00												12
23				50										77
24														24
31								#00ff00	340	100	50	50		31

32						32
33						33
35	CSSStyleDeclaration = div.style					35
36	"thin solid black"					36
37	"absolute"					37
38	#00ff00					38
39	50px					39
40	50px					40
41	370px					41
42	100px					42
25						25
23	30					37
24						24
31	#00ff00	340	100	30	30	31
32						32
33						33
35	CSSStyleDeclaration = div.style					35
36	"thin solid black"					36
37	"absolute"					37
38	#00ff00					38
39	30px					39
40	30px					40
41	370px					41
42	100px					42
25						25
23	10					-3
24						24
31	#00ff00	340	100	10	10	31
32						32
33						33
35	CSSStyleDeclaration = div.style					35
36	"thin solid black"					36
37	"absolute"					37
38	#00ff00					38
39	10px					39
40	10px					40
41	370px					41
42	100px					42
25						25
23	-10					-43
24						24
2	5					8
4						4
5		100				195
7			2			-3
8		120				232
9	110					211
10			2			-6
11						11
12	#0000ff					12
23	50					77
24						24
31	#0000ff	110	120	30	30	31
32						32
33						33
35	CSSStyleDeclaration = div.style					35
36	"thin solid black"					36
37	"absolute"					37
38	#0000ff					38
39	30px					39
40	30px					40
41	110px					41
42	120px					42
25						25
23	10					-3
24						24
31	#0000ff	110	120	10	10	31
32						32
33						33
35	CSSStyleDeclaration = div.style					35
36	"thin solid black"					36
37	"absolute"					37

```
38                                              #0000ff                              38
39                                              10px                                 39
40                                              10px                                 40
41                                              110px                                41
42                                              120px                                42
25                                                                                   25
23                                    -10                                            -43
24                                                                                   24
 2        5                                                                           8
 4                                                                                    4
 5                          120                                                     235
 7                                   3                                               -1
 8                          170                                                     332
 9                 280                                                              551
10                                            3                                      -4
11                                                                                   11
 2        5                                                                           8
 4                                                                                    4
 5                          170                                                     335
 7                                   4                                                1
 8                          220                                                     432
 9                  50                                                               91
10                                            4                                      -2
11                                                                                   11
12        #00ff00                                                                    12
23                                      50                                           77
24                                                                                   24
31                              #00ff00        50      220      50      50           31
32                                                                                   32
33                                                                                   33
35                                              CSSStyleDeclaration = div.style      35
36                                              "thin solid black"                   36
37                                              "absolute"                           37
38                                              #0000ff                              38
39                                              50px                                 39
40                                              50px                                 40
41                                              50px                                 41
42                                              220px                                42
25                                                                                   25
26                                                                                   26
 2        5                                                                           8
 7                                    5                                               3
```
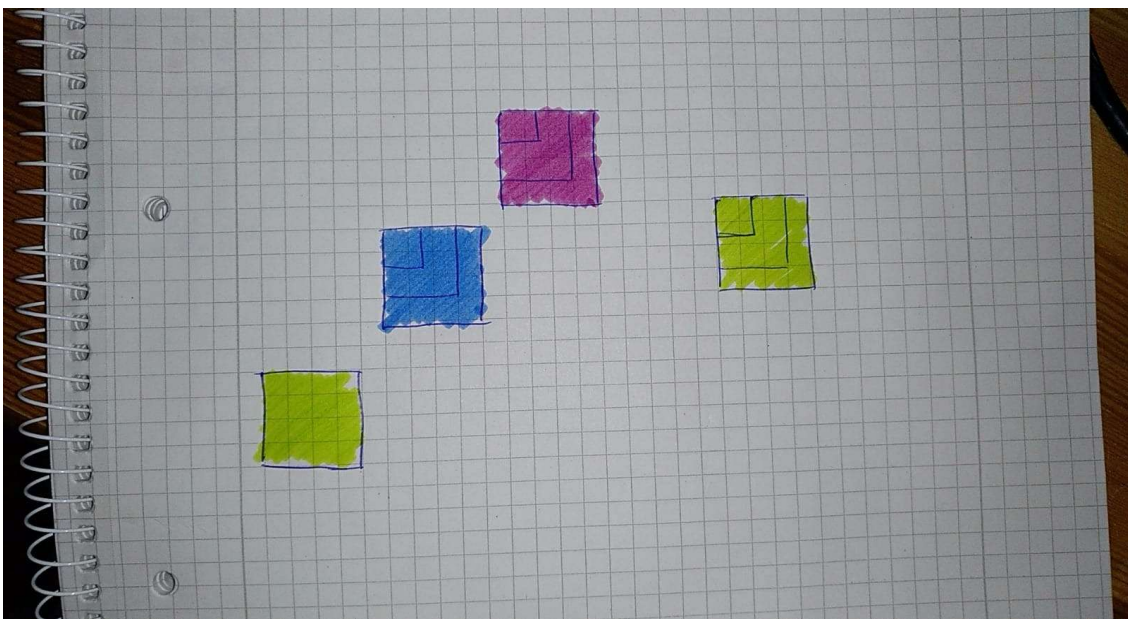
EIA

```
•→ [ n: number = 5, c: string,
     x, y: number = 0, i: number = 0 ]
```

(A) → (i++) → ◇ ────────────────→ ◉

◇ [i < n]

↓ [i = 2]   ◇

(increase   (increase
  y by 20)   y by 50)

        → ◇ ←

        ↓

(set x to the rest of
  the division (x + 170)% · 400)

        ↓   [i = 3]
  [i = 0]   ◇ ──────────→
           [i = 0 or 4]
(c = rot)

  (c = green)   (c = blue)

        → ◇ ←

  [a: number = 50]

        ↓

(a -= 20)   → ◇ ──────────→ ◇ → (A)

        [a > 50]

(place Div with color c,
  size a, position x, y ⊢)

        ↓

        ◇   [i = 4]

```
( place Div  [ _color: string
               _x, _y: number
               _width, height: number ]
```

        ↓

[create div Element div]

        ↓

(append div to body)

        ↓

(format div with backgroundcolor
  _color c, size _width & _height
  position _x, _y)

        ↓

        ◉