

Sheet1

| Zeile | n *number C *string | x *number | y *number | I *number | a *number | Kommentar |
|-------|---------------------|-----------|-----------|-----------|-----------|-----------------------------|
| 2 | 5 | | | | | |
| 4 | | | 0 | | | |
| 5 | | | | 0 | | For schleife beginnt (i<n) |
| 7 | | | | | 0 | |
| 8 | | | | 50 | | I 2 dann +20, wenn nicht 50 |
| 9 | | 170 | | | | |
| 12 | #ff0000 | | | | | |
| 23 | | | | | 50 | A > 0 |
| 24 | | | | | | placedif wird aufgerufen |

Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
 31 #ff0000 170 50 50 50
 32
 33
 35
 zuweisung der Werte
 Html Ele "div" wird erstellt
 Div = child des body
 CSS Style Ele "s" zugefügt

div.style s.border s.position s.backgrCs.width s.height s.left s.top
 36 thin solid black
 37 absolute
 38 _color
 39 _width px (50)
 40 _height px (50)
 41 _x px (170)
 42 _y px (50)

| Zeile | n *number C *string | x *number | y *number | I *number | a *number | |
|-------|---------------------|-----------|-----------|-----------|-----------|--------------------------|
| 25 | | | | | | I !=4 |
| 23 | | | | | 30 | A > 0 |
| 24 | | | | | | placedif wird aufgerufen |

Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
 31 #ff0000 170 50 30 30
 32
 33
 35
div.style s.border s.position s.backgrCs.width s.height s.left s.top
 36 thin solid black
 37 absolute
 38 _color
 39 _width px (30)
 40 _height px (30)
 41 _x px (170)
 42 _y px (50)

| Zeile | n *number C *string | x *number | y *number | I *number | a *number | |
|-------|---------------------|-----------|-----------|-----------|-----------|--------------------------|
| 25 | | | | | | I !=4 |
| 23 | | | | | 10 | A > 0 |
| 24 | | | | | | placedif wird aufgerufen |

Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number

Sheet1

```
31 #ff0000      170      50      10      10
32
33
35
```

```
div.style s.border s.position s.backgrCs.width s.height s.left s.top
```

```
36 thin solid black
37      absolute
38      _color
39      _width px (10)
40      _height px (10)
41      _x px (170)
42      _y px (50)
```

```
Zeile      n *number C *string x *number y *number l *number a *number
```

```
25
23
7
8
9
10
16      #00ff00
23
24
      I !=4
      A < 0
      1
      100
      340
      switch (l) case 1
      50
      placedif wird aufgerufen
```

```
Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
```

```
31 #00ff00      340      50      50      50
32
33
35
```

```
div.style s.border s.position s.backgrCs.width s.height s.left s.top
```

```
36 thin solid black
37      absolute
38      _color
39      _width px (50)
40      _height px (50)
41      _x px (340)
42      _y px (100)
```

```
Zeile      n *number C *string x *number y *number l *number a *number
```

```
25
23
24
      I !=4
      A > 0
      30
      placedif wird aufgerufen
```

```
Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
```

```
31 #00ff00      340      50      30      30
32
33
35
```

```
div.style s.border s.position s.backgrCs.width s.height s.left s.top
```

```
36 thin solid black
```

Sheet1

```

37         absolute
38             _color
39                 _width px (30)
40                     _height px (30)
41                         _x px (340)
42                             _y px (100)

```

| | | | | | |
|-------|---------------------|---------------------|-----------|-----------|--------------------------|
| Zeile | n *number C *string | x *number y *number | I *number | a *number | |
| 25 | | | | | I !=4 |
| 23 | | | | 10 | A > 0 |
| 24 | | | | | placedif wird aufgerufen |

```

Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
31 #00ff00          340          50          10          10
32
33
35

```

```

div.style s.border s.position s.backgrCs.width s.height s.left s.top
36 thin solid black
37         absolute
38             _color
39                 _width px (10)
40                     _height px (10)
41                         _x px (340)
42                             _y px (100)

```

| | | | | | |
|-------|---------------------|---------------------|-----------|-----------|--------------------------------|
| Zeile | n *number C *string | x *number y *number | I *number | a *number | |
| 25 | | | | | I !=4 |
| 23 | | | | -10 | A < 0 |
| 7 | | | | 2 | |
| 8 | | | 120 | | i ==2 erhoehe um 20 |
| 9 | | 110 | | | |
| 10 | | | | | switch (I) 2 (default benutzt) |
| 16 | #0000ff | | | | |
| 23 | | | | 50 | |
| 24 | | | | | placedif wird aufgerufen |

```

Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
31 #0000ff          110          120          50          50
32
33
35

```

```

div.style s.border s.position s.backgrCs.width s.height s.left s.top
36 thin solid black
37         absolute
38             _color
39                 _width px (50)
40                     _height px (50)
41                         _x px (110)

```

_y px (120)

1 != 4

$$A > 0$$

placedif wird aufgerufen

30

35

_y px (120)

1 !=4

10

placedif wird aufgerufen

10

35

_y px (120)

$$1 \neq 4$$

-10

3

170

280

Case 3 continue

4

Sheet1

| | | | |
|----|---------|-----|--------------------------|
| 8 | | 220 | I ist ungleich 2. += 50 |
| 9 | | 50 | |
| 10 | | | switch I nimmt case 4 |
| 16 | #00ff00 | | |
| 23 | | 50 | A > 0 |
| 24 | | | placedif wird aufgerufen |

Placediv _color *stri_x *numbe_y *numbe _width *nu _height *number
 31 #00ff00 50 220 50 50

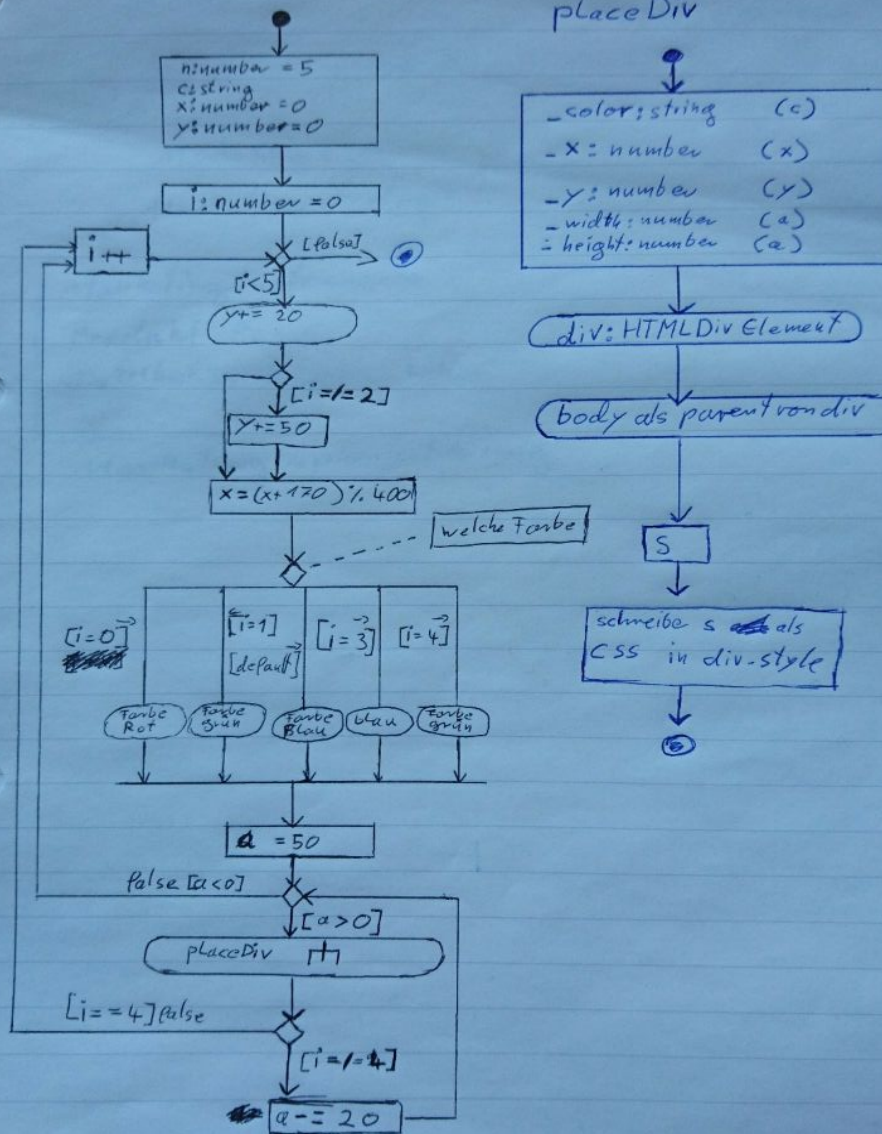
32
 33
 35

div.style s.border s.position s.backgrCs.width s.height s.left s.top
 36 thin solid black
 37 absolute
 38 _color
 39 _width px (50)
 40 _height px (50)
 41 _x px (50)
 42 _y px (220)

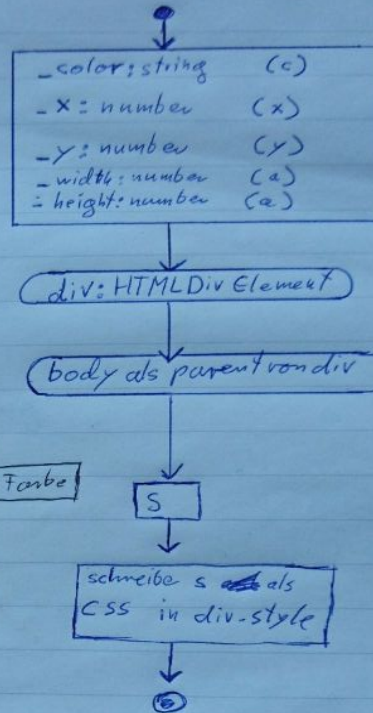
Zeile n *number C *string x *numbery *number l *number a *number

| | | |
|----|--|--|
| 25 | | l ==4 |
| 26 | | break wird ausgefuert |
| 7 | | l entspricht 5 die schleife wird nicht mehr durchlaufen |

Aktivitätsdiagramm 1.2 Boxes



placeDiv



Trace Table

| Zeile | i | result | start | length | k | comment |
|-------|---|------------------|-------|--------|---|-------------------------------------|
| 3 | 0 | | | | | $0 < 3$ createCall("m") |
| 4 | | | | | | |
| 8 | | "m" | | 2 | | |
| 9 | | | | | 2 | $2 > 0$ |
| 10 | | | | | | $2 \neq 1 \parallel 2 \neq 1$ false |
| 12 | | "mu" | | | | |
| 9 | | | | | 1 | $1 > 0$ |
| 10 | | | | | | $1 \neq 1 \parallel 1 \neq 1$ false |
| 12 | | "muh" | | | | |
| 12 | | muhu | | | | |
| 9 | | | | | 0 | $0 > 0$ |
| 14 | | | | | | start return |
| 4 | | "muhu" | | | | |
| 3 | 1 | | | | | $1 < 3$ |
| 4 | | | | | | createCall |
| 8 | | "m" | | 6 | | |
| 9 | | | | | 6 | $6 > 0$ |
| 10 | | | | | | false |
| 12 | | "mu" | | | | |
| 9 | | | | | 5 | |
| 10 | | "muh" | | | | |
| 12 | | "muh" | | | | false |
| 9 | | | | | 4 | |
| 10 | | | | | | |
| 12 | | muhu | | | | false |

| Zeile | i | result | start | length | k | comment |
|-------|---|--------|--------|--------|---|------------|
| 9 | | | | | 3 | |
| 10 | | | | | | k = length |
| 11 | | | "much" | | | tree |
| 12 | | | much | | | |
| 9 | | | " | | 2 | |
| 10 | | | | | | |
| 12 | | | much | | | |
| 9 | | | u | | 1 | |
| 10 | | | | | | |
| 11 | | | much | | | |
| 12 | | | u | | | |
| 9 | | | much | | | |
| 14 | | | much | | 0 | 0=0 |
| 4 | | | much | | | return |
| 3 | 2 | | | | | |
| 4 | | | | | | 2 < 3 |
| 8 | | | m | 5 | | Create Co |
| 9 | | | | | 5 | |
| 10 | | | | | | |
| 12 | | | mu | | | |
| 9 | | | | | 4 | |
| 10 | | | | | | |
| 12 | | | mu | | | |
| 9 | | | | | 3 | |
| 10 | | | | | | |
| 11 | | | much | | | |
| 12 | | | much | | | |

| Zaile | i | result | start | Length | k |
|-------|---|--------|-------|--------|---|
| 9 | | | | | 2 |
| 10 | | | | | |
| 12 | | | muchu | | |
| 9 | | | | | 1 |
| 10 | | | | | |
| 12 | | | muchu | | |
| 12 | | | muchu | | |
| 9 | | | | | 0 |
| 14 | | | | | |
| 4 | | muchu | | | |

return