# Traceable – Boxes

n: number = 5

Trace Table main

| Nr | color(string) | x(number) | y(number) | i(number) | size(string) | Kommentare |
|---|---|---|---|---|---|---|
| 1 | | | | | | |
| 4 | | 0 | | | | |
| 5 | | | 0 | | | |
| 7 | | | | 0 | | i<n = true (for schleife geht bis 4 |
| 8 | | | 50 | | | (i==2) = false (somit wird 50 verwendet) |
| 9 | | 170 | | | | x+=170%400 |
| 12 | "#ff0000" | | | | | |
| 13 | | | | | | Break |
| 24 | | | | | „big“ | |
| 25 | | | | | | createBox(„#ff0000“,170,50,“big“ |
| 26 | | | | | | i==4 false |
| 24 | | | | | „medium“ | |
| 25 | | | | | | createBox(„#ff0000“,170,50,“medium“ |
| 26 | | | | | | i==4 false |
| 24 | | | | | „small“ | |
| 25 | | | | | | createBox(„#ff0000“,170,50,“small“ |
| 26 | | | | | | Wenn es bei i==4 angekommen ist hört die schleife auf i==4 false |
| 7 | | | | 1 | | |
| 8 | | | 100 | | | (i==2)=false 50+50=100 |
| 9 | | 340 | | | | 170+170=340 %400 |
| 16 | "#00ff00" | | | | | |
| 17 | | | | | | Break |
| 24 | | | | | „big“ | |
| 25 | | | | | | createBox(„#00ff00“,340,100,“big“) |
| 26 | | | | | | i==4 false |
| 24 | | | | | „medium“ | |
| 25 | | | | | | createBox(„#00ff00“,340,100,“medium“) |
| 26 | | | | | | i==4 false |
| 24 | | | | | „small“ | |
| 25 | | | | | | createBox(„#00ff00“,340,100,“small“) |
| 26 | | | | | | i==4 False (1=/=4) |
| 7 | | | | 2 | | |
| 8 | | | 120 | | | i==2 = true 100+20 |
| 9 | | 110 | | | | 340+170 = 510 %400 |
| 20 | | | | | | Default |

Trace Table function

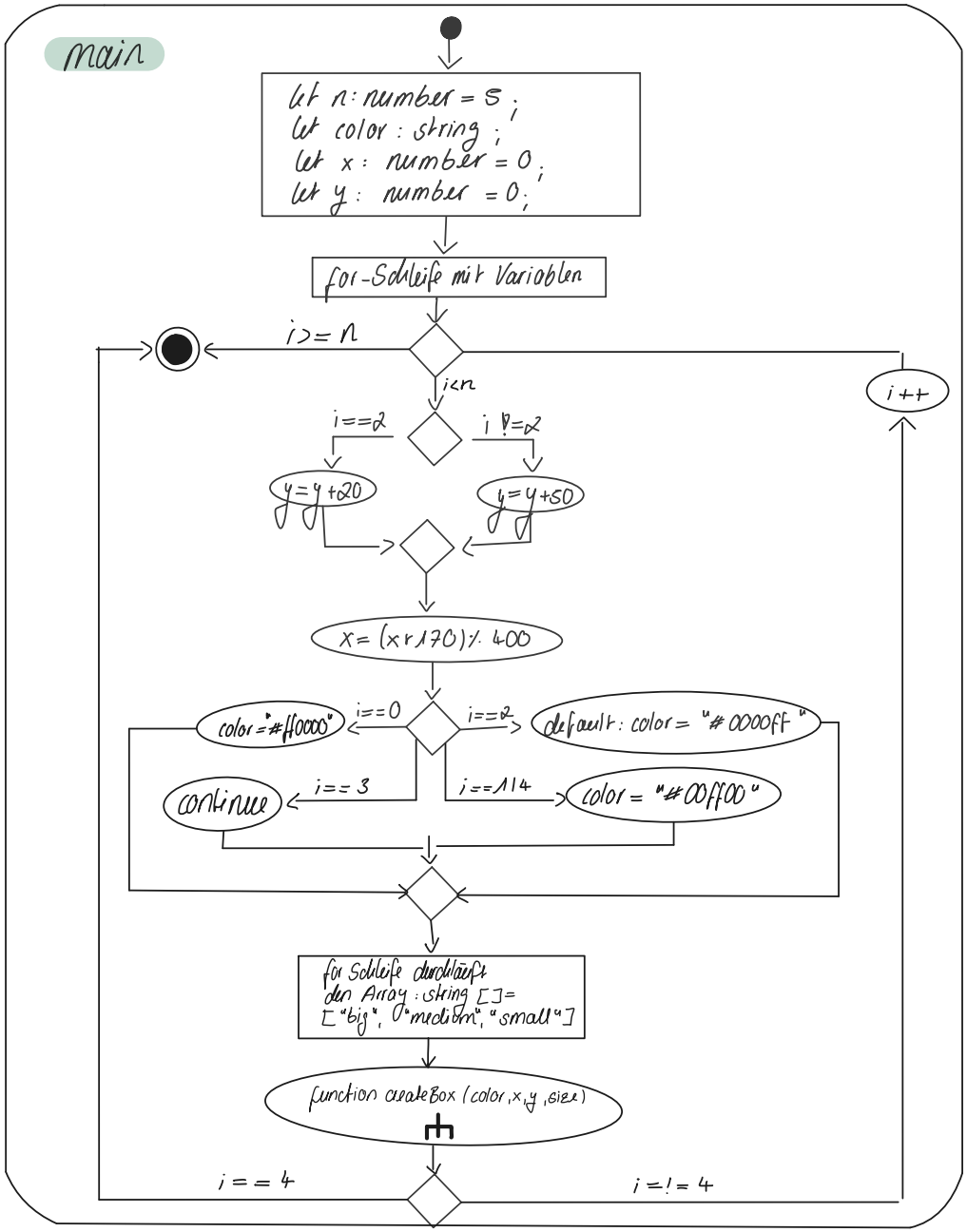
| Nr | _color=string | _x=number | _y=number | _size=string | Kommentar |
|---|---|---|---|---|---|
| 32 | “#ff00000“ | 170 | 50 | “big,“ “medium,“ “small“ | |
| 33 | | | | | Let div: HTMLDivElement = document.createElement(“div“) |
| 34 | | | | | Document.body.appendchild(div) |
| 35 | | | | | div.classList.add(_size); |
| 36 | | | | | div.style.backgroundColor = _color; |
| 37 | | | | | div.style.left = _x + „px“; |
| 38 | | | | | div.style.top = _y + „px“; |
| 32 | “#00ff00“ | 340 | 100 | “big,“ “medium,“ “small“ | |
| 33 | | | | | Let div: HTMLDivElement = document.createElement(“div“) |
| 34 | | | | | Document.body.appendchild(div) |
| 35 | | | | | div.classList.add(_size); |
| 36 | | | | | div.style.backgroundColor = _color; |
| 37 | | | | | div.style.left = _x + „px“; |
| 38 | | | | | div.style.top = _y + „px“; |

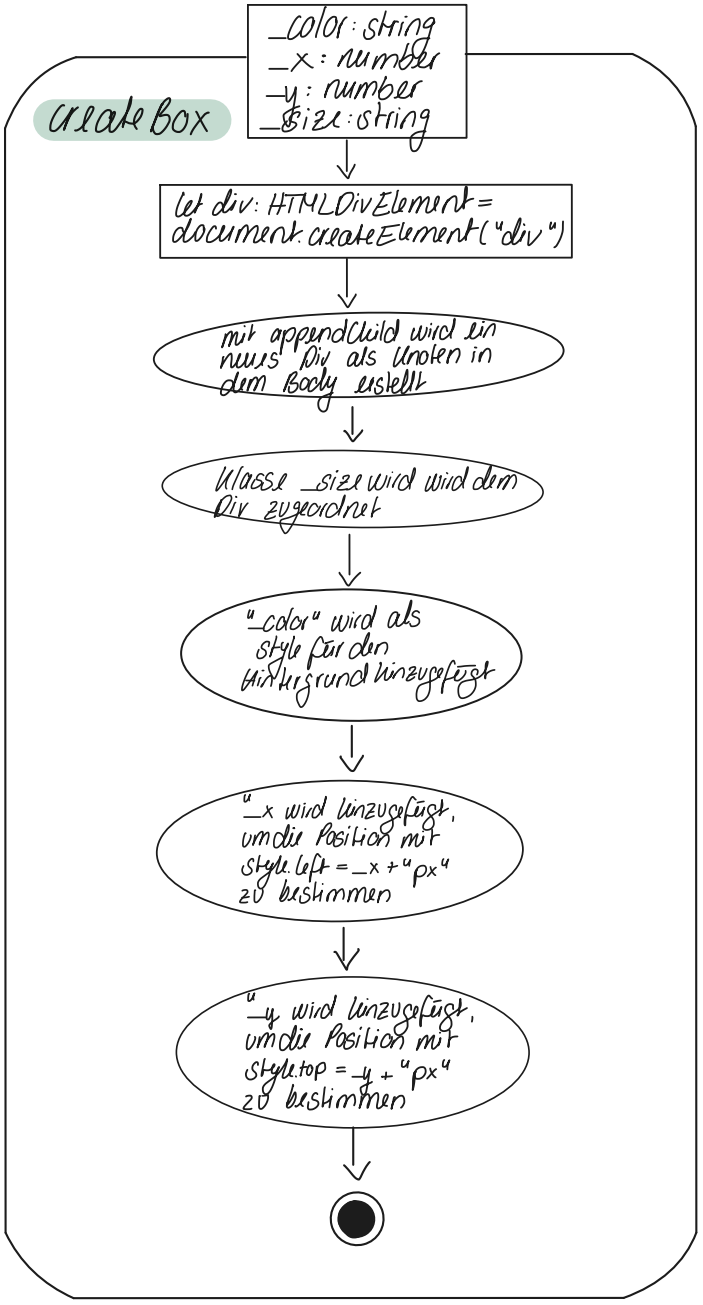
| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | 21 | "#0000ff" | | | | | |
| | 24 | | | | | „big“ | |
| | 25 | | | | | | createBox(„#0000ff“,110,120,“big“) |
| | 26 | | | | | | |
| | 24 | | | | | „medium“ | |
| | 25 | | | | | | createBox(„#0000ff“,110,120,“medium“) |
| | 26 | | | | | | |
| | 24 | | | | | „small“ | |
| | 25 | | | | | | createBox(„#0000ff“,110,120,“small“) |
| | 26 | | | | | | i==4 False (2=/=4) |
| | 7 | | | | 3 | | |
| | 8 | | | 170 | | | i==2 = false 120+50 |
| | 9 | | 280 | | | | 510+170 = 680%400 |
| | 19 | | | | | | Continue |
| | 7 | | | | 4 | | |
| | 8 | | | 120 | | | i==2 = false 170+50 |
| | 9 | | 50 | | | | 680+170 = 850%400 |
| 4 | 16 | "#00ff00" | | | | | |
| | 17 | | | | | | Break |
| | 24 | | | | | „big“ | |
| | 25 | | | | | | createBox(„#00ff00“,50,220,“big“) |
| | 26 | | | | | | i==4 true, schleife hört auf |

| | | | | | |
|---|---|---|---|---|---|
| 3 | 32 | “#0000ff“ | 110 | 120 | “big”, “medium”, “small“ | |
| | 33 | | | | | Let div: HTMLDivElement = document.createElement(“div“) |
| | 34 | | | | | Document.body.appendchild(div) |
| | 35 | | | | | div.classList.add(_size); |
| | 36 | | | | | div.style.backgroundColor = _color; |
| | 37 | | | | | div.style.left = _x + „px"; |
| | 38 | | | | | div.style.top = _y + „px"; |
| 4 | 32 | “#00ff00“ | 50 | 220 | “big“ | |
| | 33 | | | | | Let div: HTMLDivElement = document.createElement(“div“) |
| | 34 | | | | | Document.body.appendchild(div) |
| | 35 | | | | | div.classList.add(_size); |
| | 36 | | | | | div.style.backgroundColor = _color; |
| | 37 | | | | | div.style.left = _x + „px"; |
| | 38 | | | | | div.style.top = _y + „px"; |
| | | | | | | |

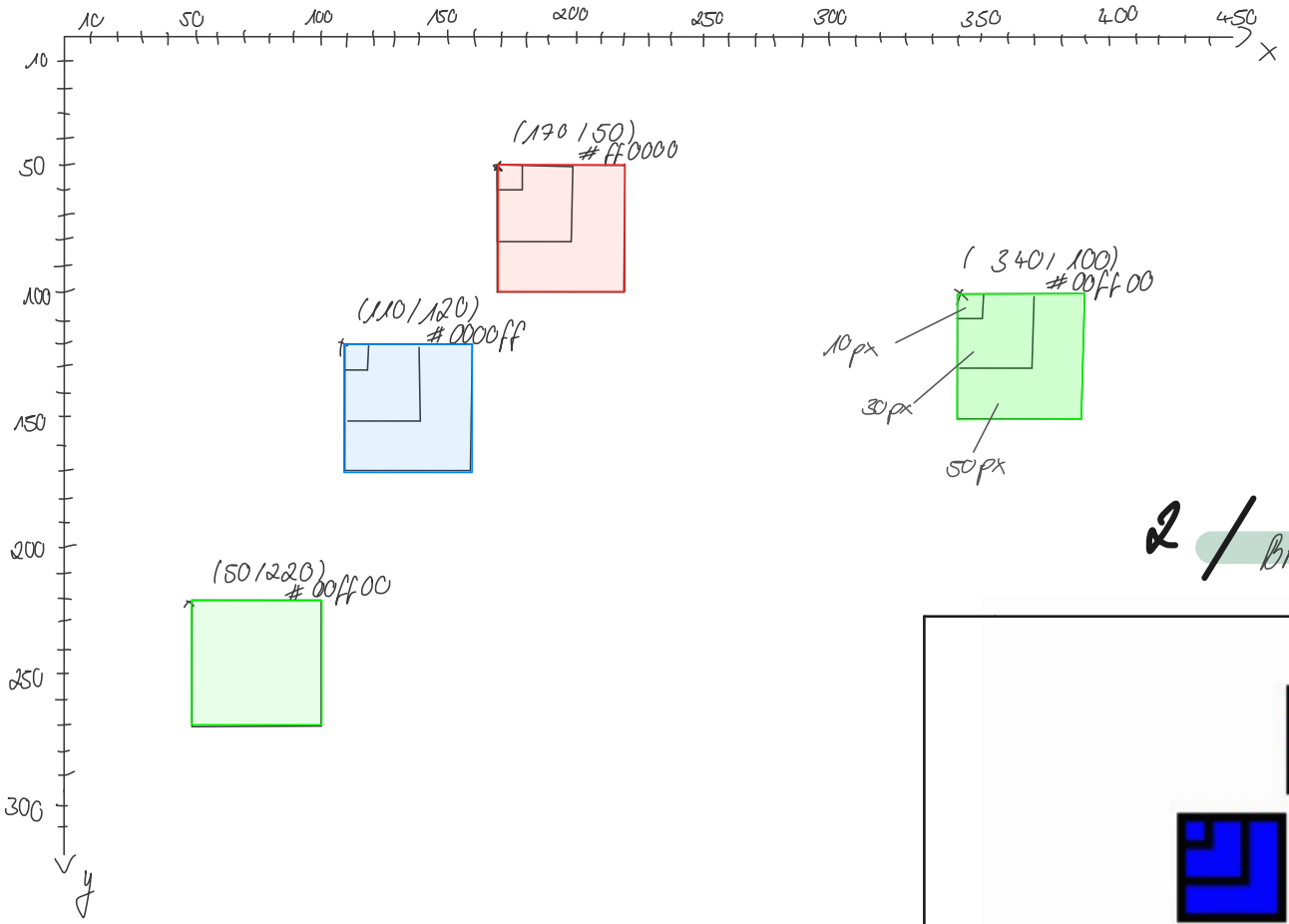
# Aktivitätsdiagramm

## Boxes – Activity Diagramm

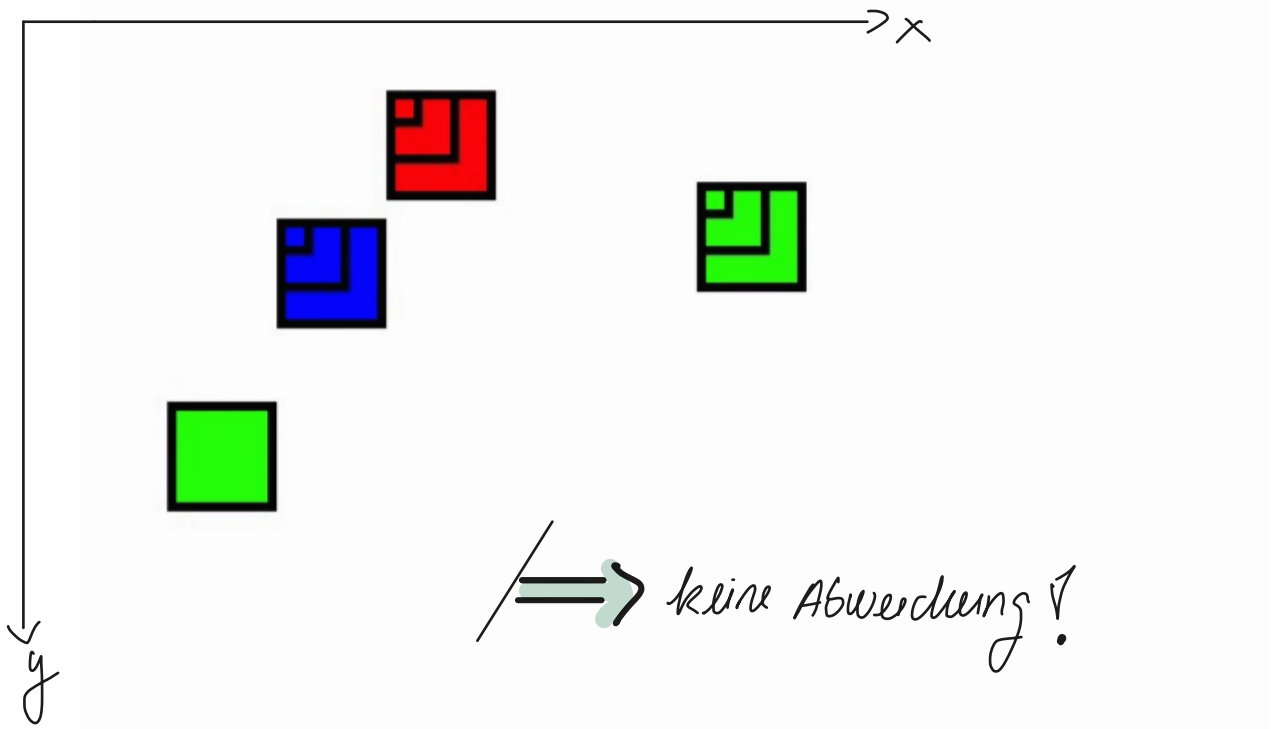


## 1 / grafische Aussage – Skizze




## 2 / Browserausgabe




⟹ keine Abweichung!