**1. Durchgang i=0 a=50**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Kommentar | I number | Y number | X number | C string | A number |
| 2 | Var n=5 |  |  |  |  |  |
| 3 | Var c=string |  |  |  |  |  |
| 4 | Var x=0 |  |  |  |  |  |
| 5 | Var y=0 |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 7 | Schleife beginnt 0<5 | 0 |  |  |  |  |
| 8 | Y(0): 0=2 -> 50 |  | 50 |  |  |  |
| 9 | X(0): 170 % 400 (Rest 170) |  |  | 170 |  |  |
|  |  |  |  |  |  |  |
| 10 | Switch(0) |  |  |  |  |  |
| 11 | Initi./befinn v. case=0 |  |  |  |  |  |
| 12 | c |  |  |  | #ff0000 |  |
| 13 | Break! Beendet switch-Anweisung |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 23 | Schleife beginnt 0<50 (a<0) |  |  |  |  | 50 |
| 24 | Function placeDiv aufgerufen |  | 50 | 170 | #ff0000 | 50 |
| 25 | 0=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #ff0000 | 170 | 50 | 50 | 50 |
| 32 | div-Container durch var „div“ |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #ff0000 |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 50 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 50 |
| 41 | s.left in px (Abstand links) |  | 170 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 50 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=0 a=30**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt 0<30 (a<0) (mit a-=20) |  |  |  |  | 30 |
| 24 | Funct. placeDiv aufgerufen |  | 50 | 170 | #ff0000 | 30 |
| 25 | 0=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #ff0000 | 170 | 50 | 30 | 30 |
| 32 | div-Container durch var „div“ erstellt |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #ff0000 |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 30 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 30 |
| 41 | s.left in px (Abstand links) |  | 170 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 50 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=0 a=10**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt 0<10 (a<0) (mit a-=20) |  |  |  |  | 10 |
| 24 | Funct. placeDiv aufgerufen |  | 50 | 170 | #ff0000 | 10 |
| 25 | 0=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #ff0000 | 170 | 50 | 10 | 10 |
| 32 | div-Container durch var „div“ erstellt |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #ff0000 |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 10 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 10 |
| 41 | s.left in px (Abstand links) |  | 170 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 50 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=0 a=-10**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt **nicht** 0<-10 (a<0) (mit a-=20) |  |  |  |  | -10 |

**2. Durchgang i=1 a=50**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 7 | Schleife beginnt 1<5 | 1 |  |  |  |  |
| 8 | Y(50): 1=2 -> 50 |  | 100 |  |  |  |
| 9 | X(170): (170 + 170) % 400 |  |  | 340 |  |  |
|  |  |  |  |  |  |  |
| 10 | Switch(1) |  |  |  |  |  |
| 14 | Initi./befinn v. case=1 (und case=4 gleichen c string) |  |  |  |  |  |
| 16 | c |  |  |  | #00ff00 |  |
| 17 | Break! Beendet switch-Anweisung |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 23 | Schleife beginnt 0<50 (a<0) |  |  |  |  | 50 |
| 24 | Function placeDiv aufgerufen |  | 100 | 340 | #00ff00 | 50 |
| 25 | 1=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #00ff00 | 340 | 100 | 50 | 50 |
| 32 | div-Container durch var „div“ |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #00ff00 |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 50 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 50 |
| 41 | s.left in px (Abstand links) |  | 340 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 100 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=1 a=30**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt 0<30 (a<0) (mit a-=20) |  |  |  |  | 30 |
| 24 | Funct. placeDiv aufgerufen |  | 100 | 340 | #00ff00 | 30 |
| 25 | 1=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #00ff00 | 340 | 100 | 30 | 30 |
| 32 | div-Container durch var „div“ erstellt |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #00ff00 |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 30 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 30 |
| 41 | s.left in px (Abstand links) |  | 340 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 100 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=1 a=10**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt 0<10 (a<0) (mit a-=20) |  |  |  |  | 10 |
| 24 | Funct. placeDiv aufgerufen |  | 100 | 340 | #00ff00 | 10 |
| 25 | 1=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #00ff00 | 340 | 100 | 10 | 10 |
| 32 | div-Container durch var „div“ erstellt |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #00ff00 |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 10 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 10 |
| 41 | s.left in px (Abstand links) |  | 340 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 100 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=1 a=-10**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt **nicht** 0<-10 (a<0) (mit a-=20) |  |  |  |  | -10 |

**3. Durchgang i=2 a=50**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 7 | Schleife beginnt 2<5 | 2 |  |  |  |  |
| 8 | Y(100): 2=2 -> 20 true |  | 120 |  |  |  |
| 9 | X(340): (340+170)%400 (510-400=110) |  |  | 110 |  |  |
|  |  |  |  |  |  |  |
| 10 | Switch(2) |  |  |  |  |  |
|  | case=2 (gibt es nicht ->default) |  |  |  |  |  |
| 20 | default |  |  |  |  |  |
| 21 | c |  |  |  | #0000ff |  |
|  |  |  |  |  |  |  |
| 23 | Schleife beginnt 0<50 (a<0) |  |  |  |  | 50 |
| 24 | Function placeDiv aufgerufen |  | 120 | 110 | #0000ff | 50 |
| 25 | 2=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #0000ff | 110 | 120 | 50 | 50 |
| 32 | div-Container durch var „div“ |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #0000ff |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 50 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 50 |
| 41 | s.left in px (Abstand links) |  | 110 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 120 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=2 a=30**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt 0<30 (a<0) (mit a-=20) |  |  |  |  | 30 |
| 24 | Funct. placeDiv aufgerufen |  | 120 | 110 | #0000ff | 30 |
| 25 | 2=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #0000ff | 110 | 120 | 30 | 30 |
| 32 | div-Container durch var „div“ erstellt |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #0000ff |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 30 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 30 |
| 41 | s.left in px (Abstand links) |  | 110 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 120 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=2 a=10**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt 0<10 (a<0) (mit a-=20) |  |  |  |  | 10 |
| 24 | Function placeDiv aufgerufen |  | 120 | 110 | #0000ff | 10 |
| 25 | 2=4 (i==4) |  |  |  |  |  |
| 26 | Kein Break! |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | Color string | X number | Y number | Width number | Height number |
| 31 | Color/x/y/width/height (def.) | #0000ff | 110 | 120 | 10 | 10 |
| 32 | div-Container durch var „div“ erstellt |  |  |  |  |  |
| 33 | div-Container anzeigen lassen |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 35 | Var s (angezeigt durch CSS) |  |  |  |  |  |
| 36 | Border (thin solid black) erstellt |  |  |  |  |  |
| 37 | Absolute (Position des div-Cont.) |  |  |  |  |  |
| 38 | \_color (Backgr.Color) | #0000ff |  |  |  |  |
| 39 | \_width in px (Breite des div-Cont.) |  |  |  | 10 |  |
| 40 | \_height in px (Höhe des div-Cont.) |  |  |  |  | 10 |
| 41 | s.left in px (Abstand links) |  | 110 |  |  |  |
| 42 | s.top in px (Abstand oben) |  |  | 120 |  |  |
| 43 | Funktion beendet (jetzt fortsetzen mit for -> a-=20) |  |  |  |  |  |

**i=2 a=-10**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 23 | Schleife beginnt **nicht** 0<-10 (a<0) (mit a-=20) |  |  |  |  | -10 |

**4. Durchgang i=3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 7 | Schleife beginnt 3<5 | 3 |  |  |  |  |
| 8 | Y(120): 3=2 -> 50 false |  | 170 |  |  |  |
| 9 | X(110): (110+170)%400 (280-400=Rest 280) |  |  | 280 |  |  |
|  |  |  |  |  |  |  |
| 10 | Switch(3) |  |  |  |  |  |
| 18 | case=3 (continue) |  |  |  |  |  |
| 19 | Continue! Schleife beginnt von vorne |  |  |  |  |  |

**5. Durchgang i=4 a=50**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 7 | Schleife beginnt 4<5 | 4 |  |  |  |  |
| 8 | Y(170): 4=2 -> 50 false |  | 220 |  |  |  |
| 9 | X(280): (280 + 170) % 400 (450 -400 = Rest 50) |  |  | 50 |  |  |
|  |  |  |  |  |  |  |
| 10 | Switch(4) |  |  |  |  |  |
| 15 | case=4 |  |  |  |  |  |
| 16 | c |  |  |  | #00ff00 |  |
|  |  |  |  |  |  |  |
| 23 | Schleife beginnt 0<50 (a<0) |  |  |  |  | 50 |
| 24 | Function placeDiv aufgerufen |  | 220 | 50 | #00ff00 | 50 |
| 25 | 4=4 (i==4) true |  |  |  |  |  |
| 26 | Break! |  |  |  |  |  |

**6. Durchgang i=5**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zeile | Kommentar | I number | Y number | X number | C string | A number |
| 7 | Schleife beginnt **nicht** 5<5 🡪**Schleifendurchgang abgeschlossen** | 5 |  |  |  |  |