① ② ③
```
for ( i=0; i<10; i++ )
    printf ( "%ld\n", i );
          ④
```

```
i = 0;
while ( i<10 ) {
    printf ("%ld \n", i);
    i++;
}
```

```
i = 0;
if ( i<10 )
    do {
        printf ( "%ld \n", i );
        i++;
    } while ( i<10 );
```

Wenn Initialisierg
z.B. i = 10 wäre

$$fib(n) = \begin{cases} 1 & \text{, wenn } n < 2 \\ fib(n-1) + fib(n-2) & \text{sonst} \end{cases}$$

fib(10)

fib(9) + fib(8)

fib(8) + fib(7)   fib(7) fib(6)

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n	fib(n)
0	1
1	1
2	2
3	3
4	5
5	8
6	13
7	21
8	34
9	55
10	89

} init.i.l.

fib nm2
fib nm1
fib n

fibnm2 = 1
fibnm1 = 1
fibn = 1

fibnm2 = fibnm1
fibnm1 = fibn
fibn = fibnm1 +
         fibnm2