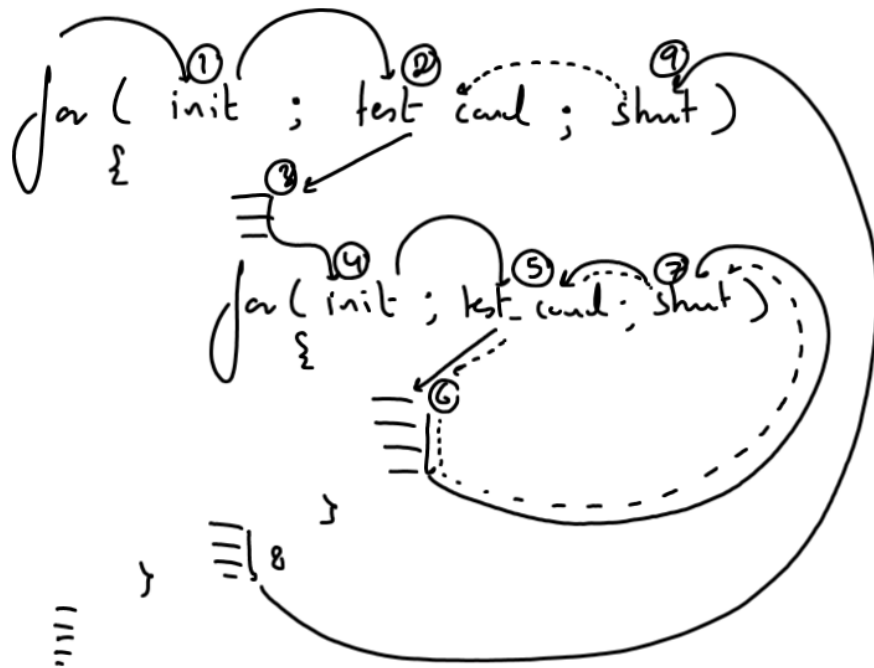


Nested loop



```

int main()
{
    int i, j;
  
```

```

    for ( i = 1 ; i <= 3 ; i++ )
    {
  
```

```

        for ( j = 10 ; j <= 15 ; j++ )
        {
  
```

```

            printf(" i: %d j: %d\n", i, j);
        }
    }
  
```

```

    printf("\n");
}
  
```

```

return 0;
}
  
```

i=1	i=2	i=3	i=4
j=10	j=10	j=10	
11	11	11	
12	12	12	
13	13	13	
14	14	14	
15	15	15	
16	16	16	

10	11	12	13	14	15
10	11	12	13	14	15
10	11	12	13	14	15

```
int main()
{
    int i, j;
```

```
    for (i = 1; i <= 4; i++)
    {
        for (j = 1; j <= 3; j++)
        {
            printf("x ");
        }
        printf("\n");
    }
    return 0;
```

```
x  x  x
x  x  x
x  x  x
x  x  x
```

```
int main()
{
    int i, j;
```

```
    for (i = 1; i <= 4; i++)
    {
        for (j = 1; j <= i; j++)
        {
            printf("x ");
        }
        printf("\n");
    }
    return 0;
```

```
i=1 | i=2 | i=3 | i=4 | i=5
j=1/2 | j=1/2/3 | j=1/2/3/4 | j=1/2/3/4/5
```

(x)

→ (x) (x)

→ (x) (x) (x)

→ (x) (x) (x) (x)

-

```
int main()
```

```
{ int i, j;
```

```
for (i = 1; i <= 4; i++)
```

```
{ for (j = 1; j <= i; j++)
```

```
{ printf(".\d ", j);
```

```
printf("\n");
```

```
; return 0;
```

1

1 2

1 2 3

1 2 3 4

```
int main()
```

```
{ int i, j;
```

```
for (i = 1; i <= 4; i++)
```

```
{ for (j = 1; j <= i; j++)
```

```
{ printf(".\d ", i);
```

```
printf("\n");
```

```
; return 0;
```

1

2 2

3 3 3

4 4 4 4

i=1	i=2	i=3	i=4	i=5
j=1	j=1	j=1	j=1	
2	2	2	2	
	3	3	3	
		4	4	
			5	

```
int main()
```

```
{ int i, j;
```

```
for (i = 1; i <= 4; i++)
```

```
{ for (j = 1; j <= i; j++)
```

```
{ printf("%d ", i * j);
```

```
printf("\n");
```

```
; return 0;
```

①

② ④

③ ⑥ ⑨

④ ⑧ ⑫ ⑯

-

i=1	i=2	i=3	i=4	i=5
j=4	j=4	j=4	j=4	
3	3	3	3	
2	2	2		
1	1			

```
int main()
```

```
{ int i, j;
```

```
for (i = 1; i <= 4; i++)
```

```
{ for (j = 4; j >= i; j--)
```

```
{ printf("%d ", j);
```

```
printf("\n");
```

```
; return 0;
```

④ ③ ② ①

④ ③ ②

④ ③

④

① 4 3 2 1
3 2 1
2 1
1

② 4
4 3
4 3 2
4 3 2 1

③ A
A B
A B C
A B C D

④ D C B A
D C B
D C
D

⑤ 1
2 3
4 5 6
7 8 9 10

⑥ 1
..... 1 2
..... 1 2 3
1 2 3 4