```
int count;
count=5;
while(count>0)
{
 printf("*");
 count=count-1;
```

3

- Load
- decrement
- Store

0	5
1	4
2	3
3	2
4	1
5	0

Compound operators

```
count=count+1;
count += 1;
mask &= ~(1<<5);
cnt |= (i-1);
```

+=	|=
-=	&=
\=	^=
*=	!=
%=	==
<<=	
>>=	
~=	

```
count+=1;
count++;
--
```

```
n=5;
j=8;
q=n++*j--;
```

$$5=(n+1)*(j-1)$$

```
n = 5;
j = 9;
q = --n * (++j--);
s = n * j;
```

4 10 9

q
39
40
45

s
36
40

```
int max=100;
int count;
for (count=0; count<max; count++)
{
    Printf("*");
}
```

100

1. init.
2. compare
3. updat
4. Body

1, 2, 4, 3, 2 *

```
int i;
for(i=0; i<n; i++)
    print("*");
```

Don't

Demo

in

v.s.

+ for loop
  - Pre-known
    # of iterations

+ while loop
  - unknown
    # of iterations