

The statement:

do S while (E)

has code template:

start:

S

E

ifeq stop

goto start

stop:

The statement:

$\text{for}(I; E; N) \ S$

has code template:

I

start:

E

ifeq stop

S

N

goto start

stop:

Regular code for `x==y || x==z`:

```
    iload 0
    iload 1
    if_icmeq true
    ldc_int 0
    goto stop
true:
    ldc_int 1
stop:
    dup
    ifne true1
    pop
    iload 0
    iload 2
    if_icmpeq true2
true2:
    ldc_int 1
true1:
stop:
```

If `x==y` holds, 6 instructions get executed.

Jumping code for `x==y || x==z`:

```
    iload 0
    iload 1
    if_icmeq true
    ldc_int 0
    goto l'
true:
    ldc_int 1
    goto t
l':
    iload 0
    iload 2
    if_icmpeq true1
    ldc_int 0
    goto f
true1:
    ldc_int 1
    goto t
```

If `x==y` holds, 5 instructions get executed.