

(a) wat code *→* *wasm assembler* (b) wasm code

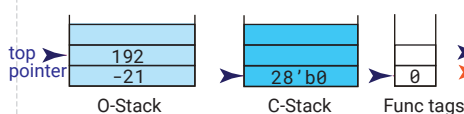
```
03 (func $main
04 (i32.const -21)
05 (i32.const 192) opcodes: 41 c0 01 ;(LEB 192)
06 (call $scal)
07 (i32.store offset=4)
08 )
09
10 (func $scal (param $a i32)
11 (result i32) (local $b i32)
12 (local.get 0)
13 (i32.const -99)
14 (local.set 1)
15 (block (result i32)
16 (i32.const -150)
17 (block (result i32)
18 (local.get $b)
19 (block (result i32)
20 (i32.const 312)
21 (br 2)
22 )
23 (i32.ge_s)
24 )
25 (i32.lt_s)
26 )
27 (i32.mul)
28 )
```

Annotations in (b):

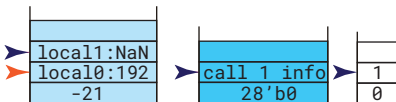
- jump** (red arrow) from line 12 to line 15.
- skip** (red arrow) from line 21 to line 26.
- jump back** (orange arrow) from line 26 to line 12.

(c) stack operate flow

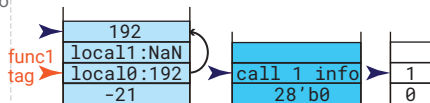
(c-1) Before calling, line 05



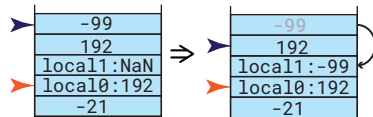
(c-2) Call \$scal, line 06 jump to line 12



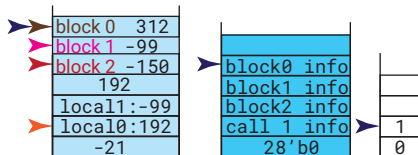
(c-3) get local variable, line 12



(c-4) set local variable, line 14



(c-5) nest blocks, line 15 ~ line 20



(c-6) break block 2, return top value, line 26

