

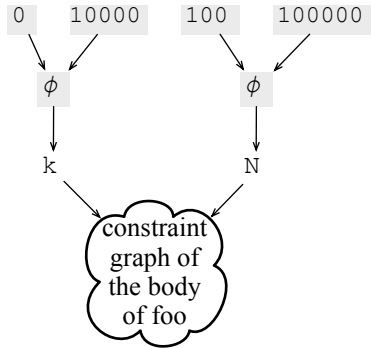
main():

```
foo(0, 100)  
foo(10000, 100000)
```

foo(k, N):

```
while k < N:  
    i = 0; j = k  
    while i < j:  
        i = i + 1; j = j - 1  
    k = k + 1
```

(a)



(b)

main().:

```
ka = 0; Na = 100  
while ka < Na:  
    ia = 0; ja = ka  
    while ia < ja:  
        ia = ia + 1; ja = ja - 1  
    ka = ka + 1  
kb = 10000; Nb = 100000  
while kb < Nb:  
    ib = 0; jb = kb  
    while ib < jb:  
        ib = ib + 1; jb = jb - 1  
    kb = kb + 1
```

(c)