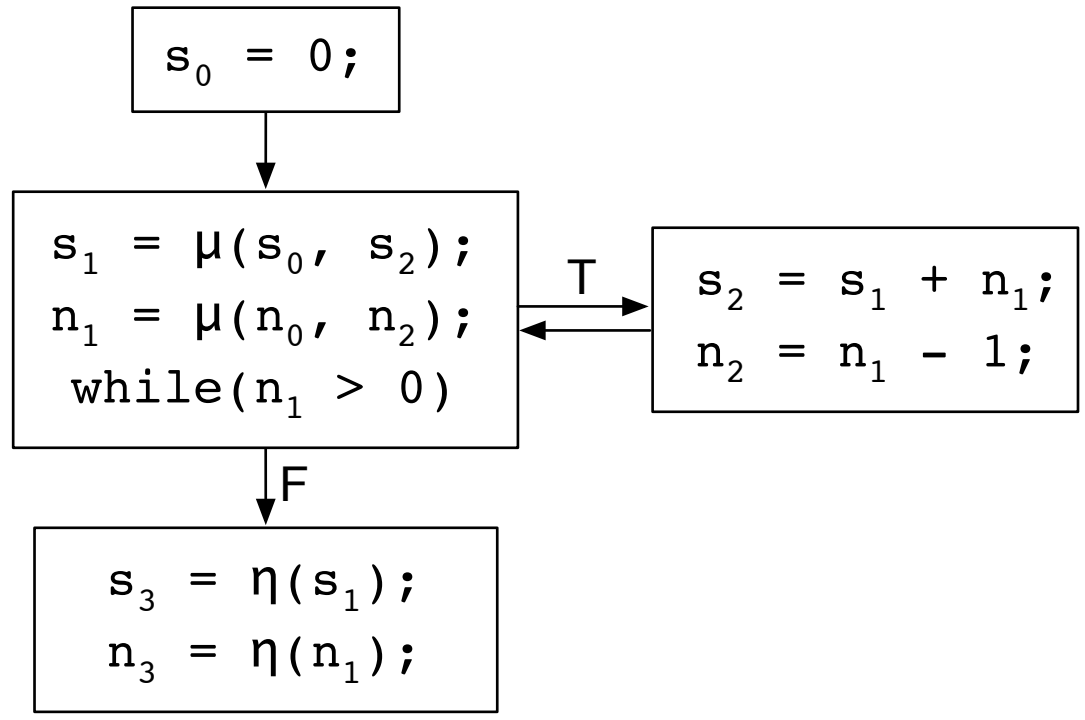
```
// input: n (n >= 0)

s = 0;
while (n > 0) {
    s = s + n;
    n = n - 1;
}

// output: s
```

(a)



(b)