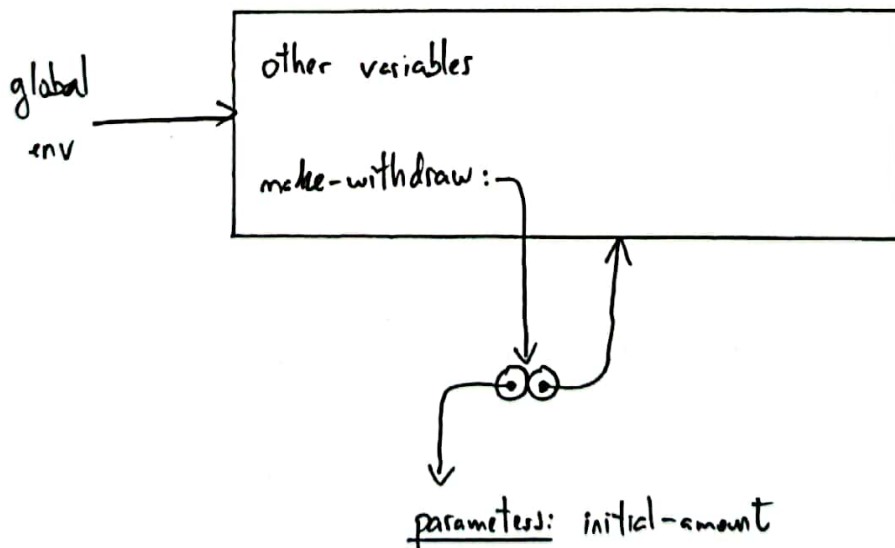# EXERCISE 3.10

. make-withdraw procedure can be rewritten as:

```
(define (make-withdraw  initial-amount )
    (( lambda  (balance)
        (lambda (amount)
            (if  (>= balance  amount )
                (begin  (set!  balance  (- balance amount ))
                    balance )
                "Insufficient funds" )))
        initial-amount ))
```

. Environment after make-withdraw definition

global
env → [other variables

make-withdraw : ⌐]

parameters: initial-amount
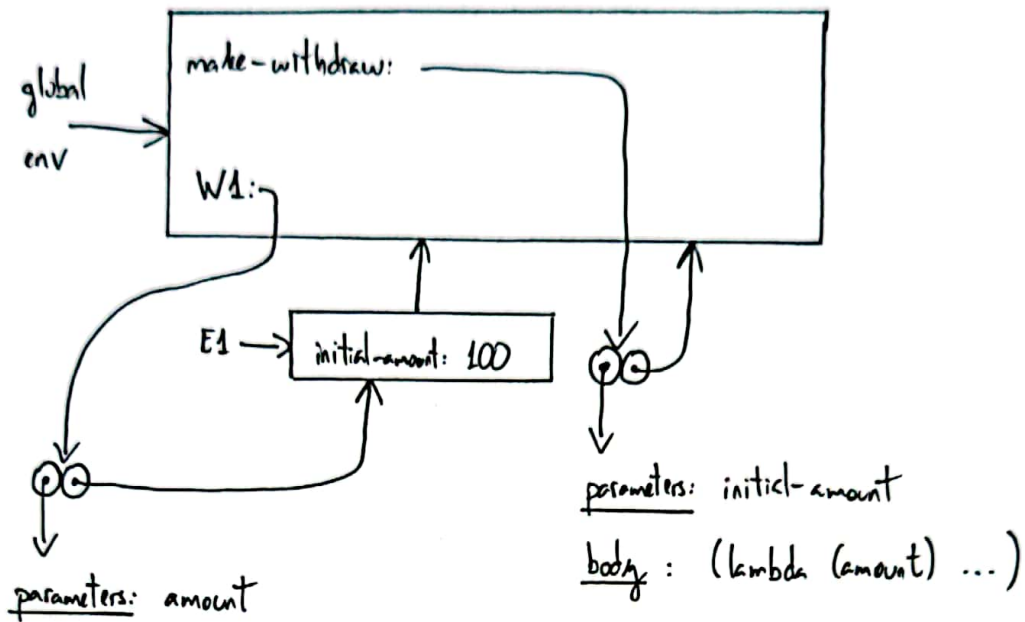
body: (lambda (amount)
        (if (>= initial-amount amount)
            (begin (set! initial-amount (- initial-amount amount))
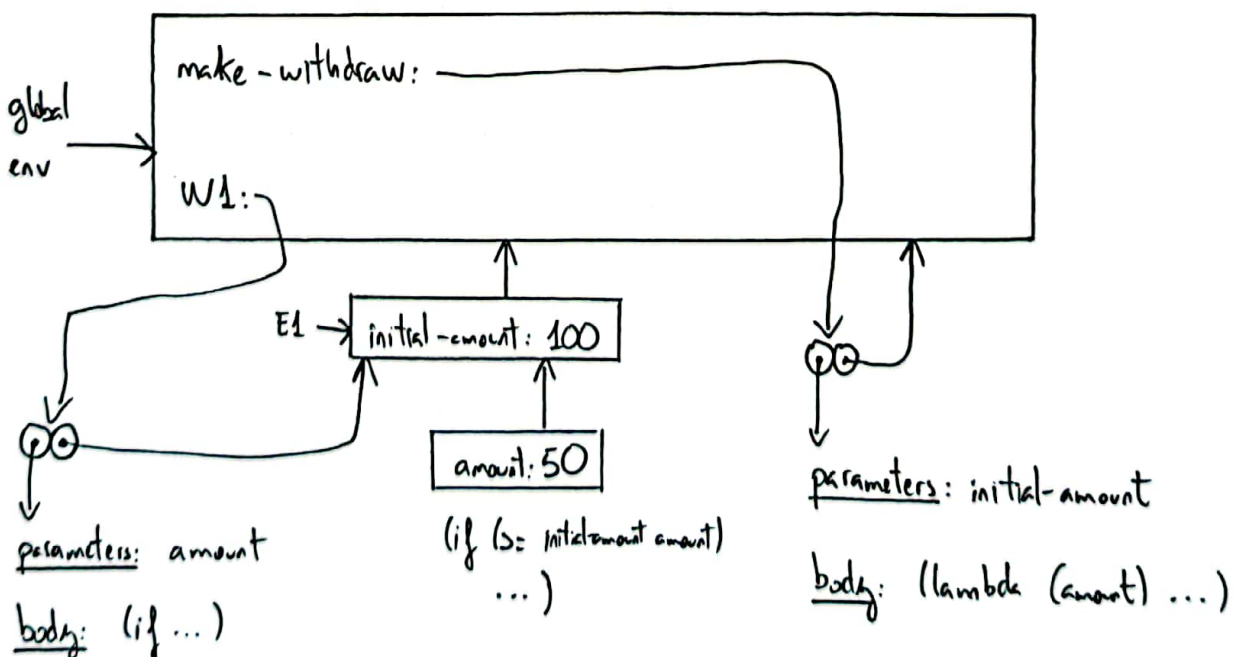   initial-amount)
            "Insufficient funds"))

- Environment after (define W1 (make-withdraw 100))

global
env

make-withdraw:

W1:

E1 → initial-amount: 100

parameters: initial-amount

body: (lambda (amount) ...)

parameters: amount

body: (if (>= initial-amount amount)
          (begin (set! initial-amount (- initial-amount amount))
                 initial-amount)
          "Insufficient funds")

- Environment after (W1 50)

global
env

make-withdraw:

W1:

E1 → initial-amount: 100

amount: 50

(if (>= initialamount amount)
    ...)

parameters: amount

body: (if ...)

parameters: initial-amount

body: (lambda (amount) ...)

• Environment after (define W2 (make-withdraw 100))

global env

make-withdraw: ⟶ parameters: initial-amount

body:
(lambda (amount).

W1:

W2:

E1⟶ initial-amount: 50

E2⟶ initial-amount: 100

parameters: amount

body: (if ...)