

Welcome to [DrRacket](#), version 8.11 [cs].

Language: [racket](#), with [debugging](#); memory limit: 128 MB.

```
> (((call/cc (lambda (k) k)) (lambda (x) x)) 7)
7
```

```
> (eval-one-exp '(((call/cc (lambda (k) k)) (lambda
(x) x)) 7))
```

```
>(extend-env
```

```
  '(k)
```

```
  '((acontinuation
```

```
    (eval-cont
```

```
      ((lambda-exp (x) ((var-exp x))))
```

```
      (proc-cont
```

```
        (eval-cont ((lit-exp 7)) (proc-cont
```

```
(halt-cont)) (empty-env-record)))
```

```
        (empty-env-record))))
```

```
  '(empty-env-record))
```

```
<'(extended-env-record
```

```
  (k)
```

```
  #((acontinuation
```

```
    (eval-cont
```

```
      ((lambda-exp (x) ((var-exp x))))
```

```
      (proc-cont
```

```
        (eval-cont ((lit-exp 7)) (proc-cont
```

```
(halt-cont)) (empty-env-record)))
```

```
        (empty-env-record))))
```

```
  (empty-env-record))
```

```
>(apply-proc
```

```
  '(acontinuation
```

```
    (eval-cont
```

```
      ((lambda-exp (x) ((var-exp x))))
```

```
      (proc-cont
```

```
        (eval-cont ((lit-exp 7)) (proc-cont
```

```
(halt-cont)) (empty-env-record)))
```

```
        (empty-env-record))))
```

```
'((closure (x) ((var-exp x)) (empty-env-record)))
'(eval-cont ((lit-exp 7)) (proc-cont (halt-cont))
(empty-env-record))
>(apply-proc
 '(closure (x) ((var-exp x)) (empty-env-record))
 '((closure (x) ((var-exp x)) (empty-env-record)))
 '(eval-cont ((lit-exp 7)) (proc-cont (halt-cont))
(empty-env-record)))
> (extend-env
 '(x)
 '((closure (x) ((var-exp x)) (empty-env-record)))
 '(empty-env-record))
< '(extended-env-record
 (x)
 #((closure (x) ((var-exp x))
(empty-env-record)))
 (empty-env-record))
>(apply-proc '(closure (x) ((var-exp x))
(empty-env-record)) '(7) '(halt-cont))
> (extend-env '(x) '(7) '(empty-env-record))
< '(extended-env-record (x) #(7) (empty-env-record))
<7
7
>
```