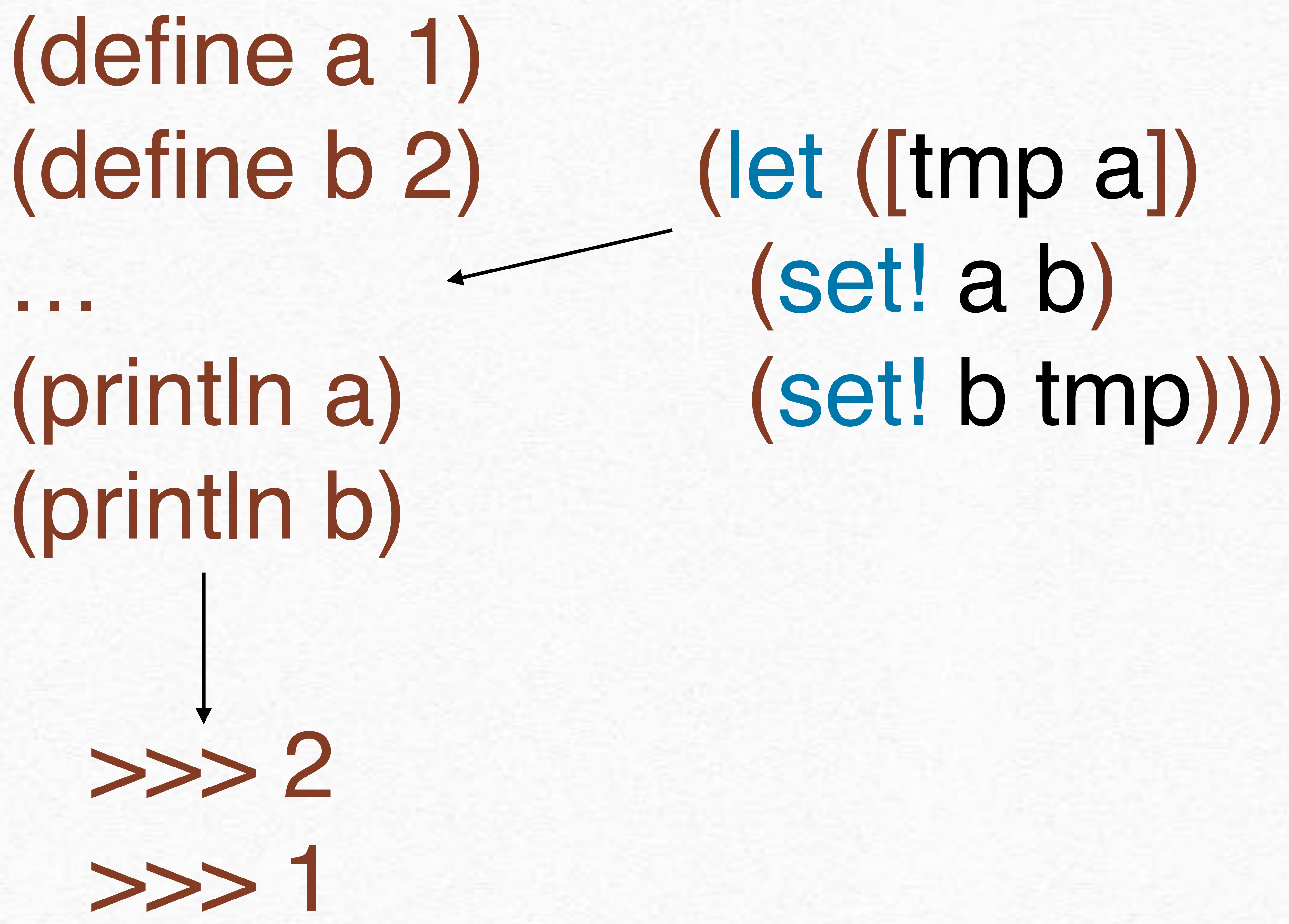
Using Simple Macro

macro as find-and-replace

x <— a

y <— b

```
(macro (swap x y)
 (let ([tmp x])
  (set! x y)
  (set! y tmp)))
```



```
(define a 1)
(define b 2)
…
(println a)
(println b)
```

```
(let ([tmp a])
  (set! a b)
  (set! b tmp)))
```

```
>>> 2
>>> 1
```

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macro as find-and-replace

x <— a

y <— tmp

```
(macro (swap x y)
 (let ([tmp x])
  (set! x y)
  (set! y tmp)))
```

```
(define a 1)
(define tmp 2)
…
(println a)
(println tmp)
```

```
(let ([tmp a])
  (set! a tmp)
  (set! tmp tmp)))
```

```
>>> 1
>>> 1
```