Using Hygienic Macro

```
names in macros never
conflict with supplied names
x' < --- a
y' < --- tmp
(macro (swap x' y')
(let ([tmp' x'])
(set! x' y')
```

(set! y' tmp')))

```
(define a 1)
(define tmp 2) (let ([tmp' a])
... (set! a y')
(println a) (set! b tmp')))
(println tmp)

>>> 2
>>> 1
```

Racket Macro (Hygienic)

```
(define-syntax-rule (swap x y)
  (let ([tmp x])
      (set! x y)
      (set! y tmp)))
```