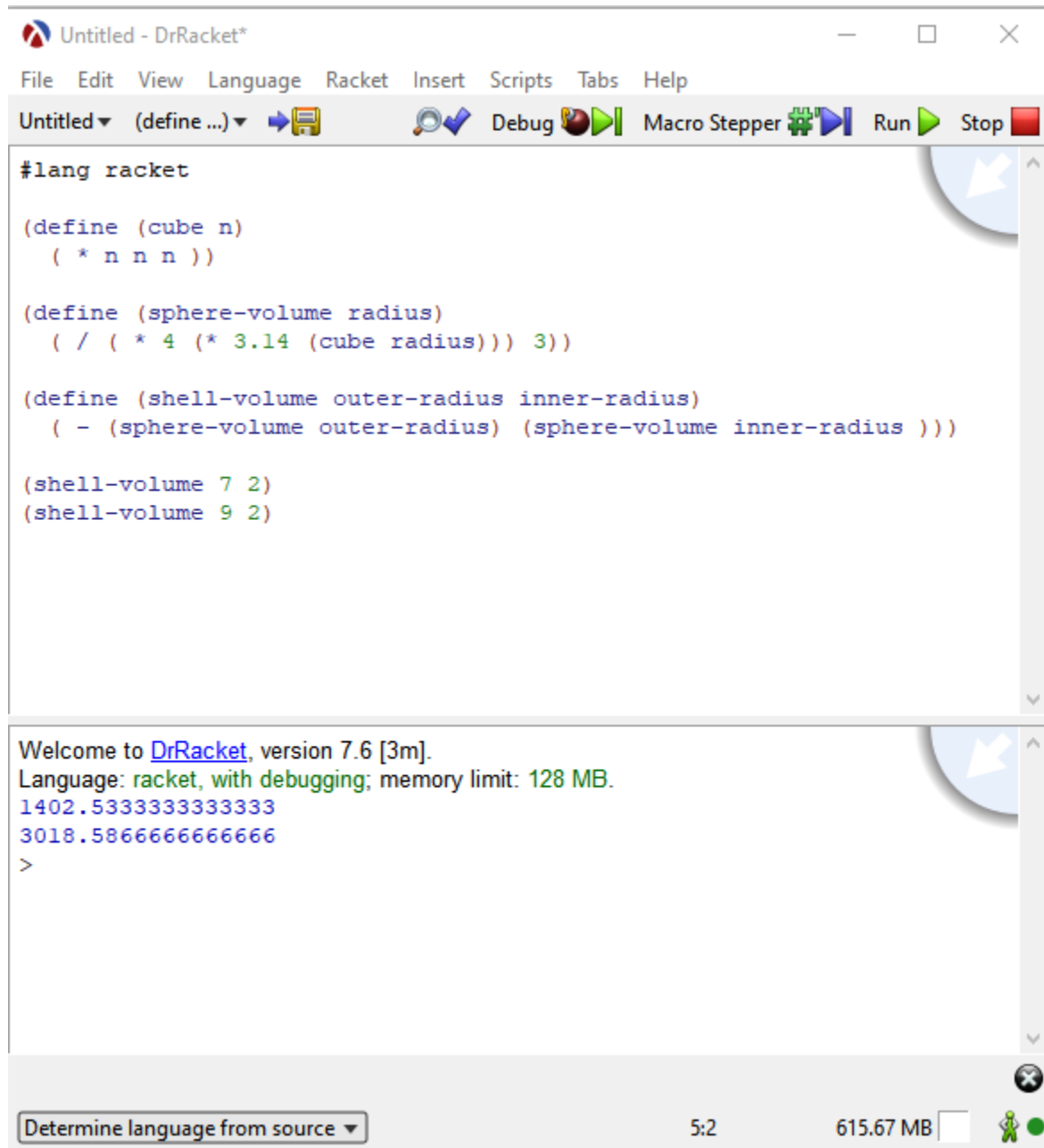


#1



The screenshot shows the DrRacket IDE window titled "Untitled - DrRacket*". The menu bar includes File, Edit, View, Language, Racket, Insert, Scripts, Tabs, and Help. The toolbar contains icons for saving, undo, redo, debug, macro stepper, run, and stop. The main text area contains the following Racket code:

```
#lang racket

(define (cube n)
  ( * n n n ))

(define (sphere-volume radius)
  ( / ( * 4 (* 3.14 (cube radius))) 3))

(define (shell-volume outer-radius inner-radius)
  ( - (sphere-volume outer-radius) (sphere-volume inner-radius)))

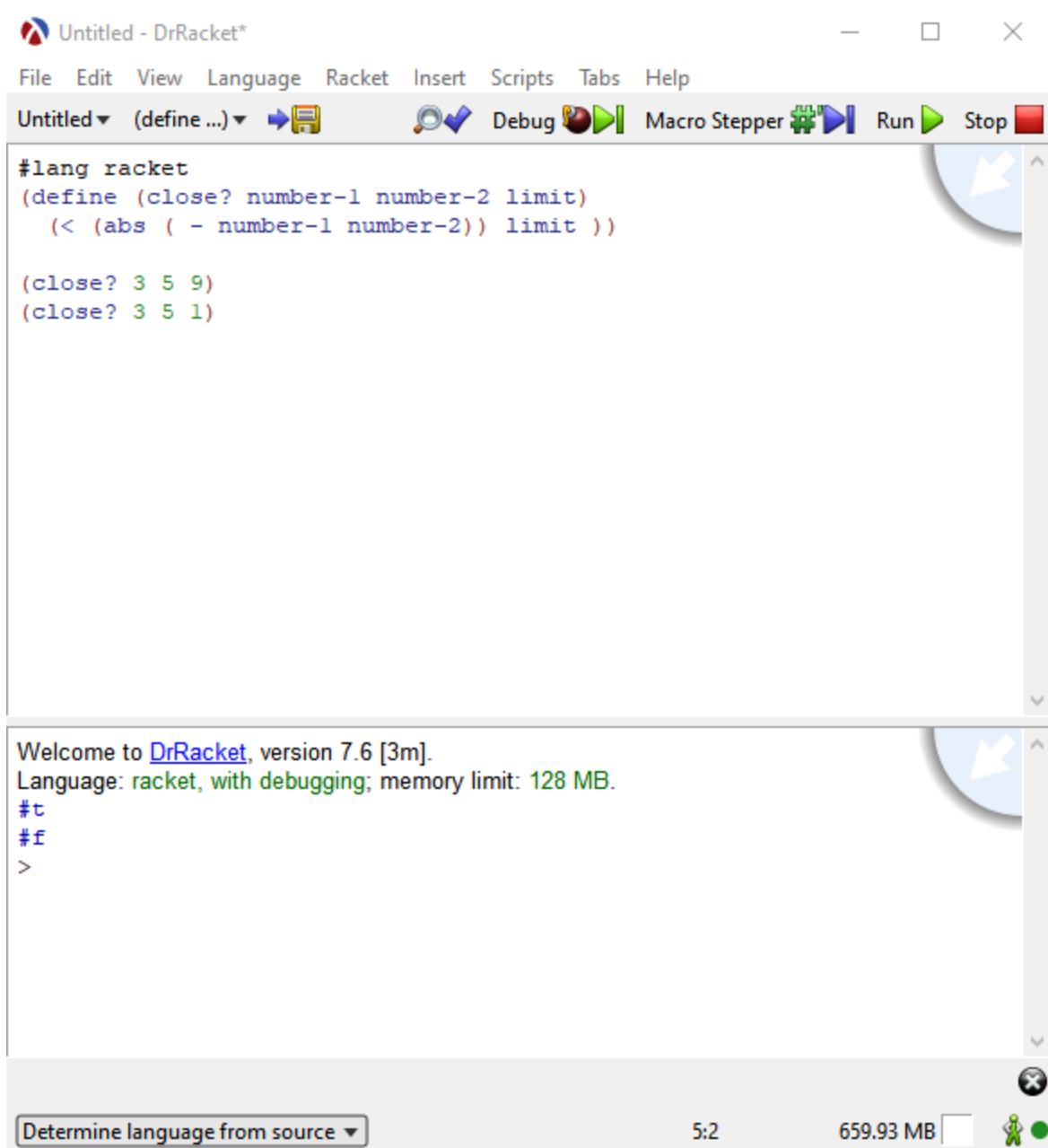
(shell-volume 7 2)
(shell-volume 9 2)
```

The bottom panel shows the output of the code:

```
Welcome to DrRacket, version 7.6 [3m].
Language: racket, with debugging; memory limit: 128 MB.
1402.5333333333333
3018.5866666666666
>
```

The status bar at the bottom indicates "Determine language from source", "5:2", and "615.67 MB".

#2



#3

Untitled - DrRacket*

File Edit View Language Racket Insert Scripts Tabs Help

Untitled (define ...) Debug Macro Stepper Run Stop

```
#lang racket
(define (how-many a b c)
  (cond
    [(> (discr a b c) 0) 2]
    [(= (discr a b c) 0) 1]
    [(< (discr a b c) 0) 0]))

(define (discr a b c)
  (- (* b b) (* 4 a c)))

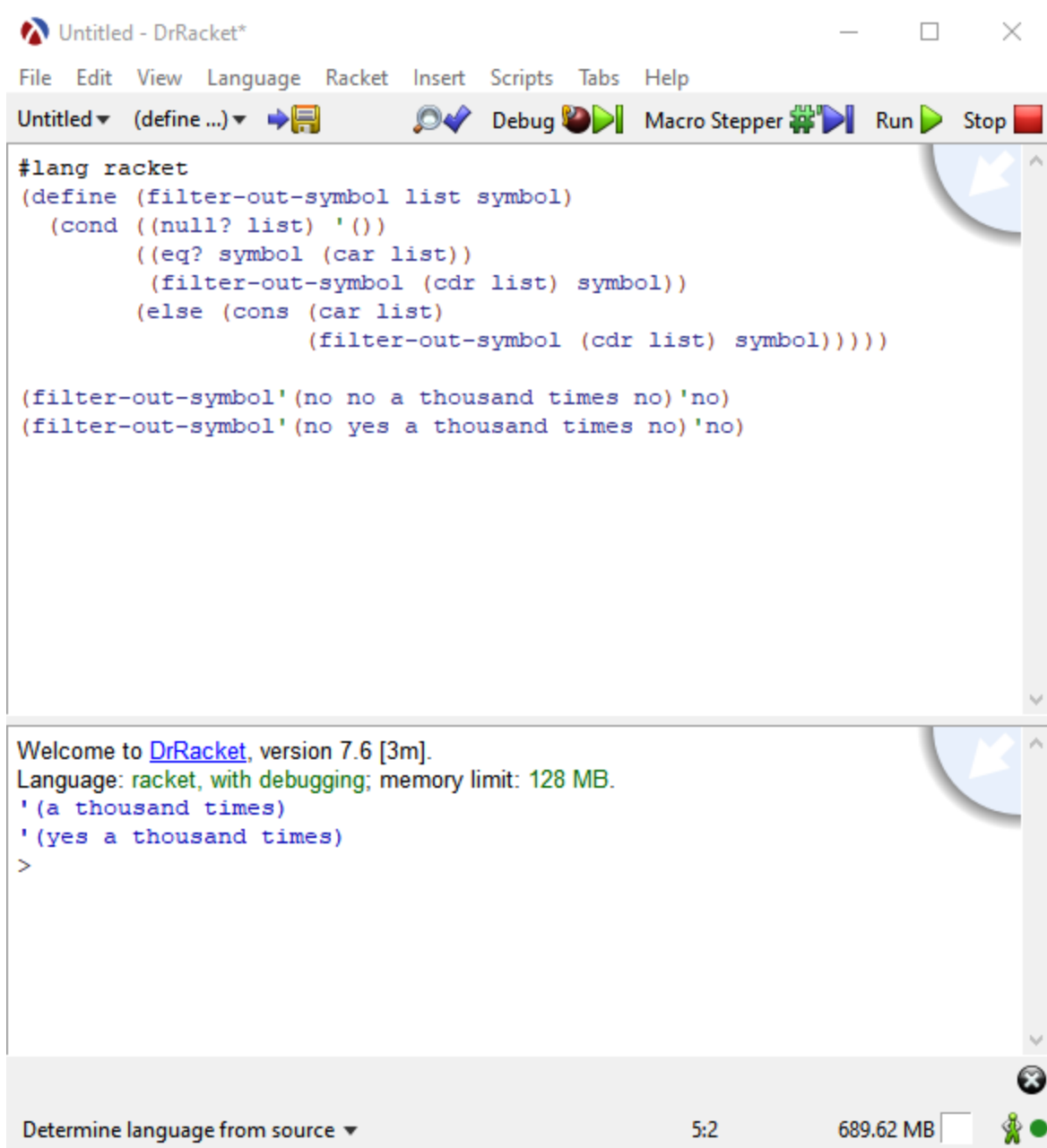
(how-many 1 2 1)
(how-many 5 2 10)
```

Welcome to [DrRacket](#), version 7.6 [3m].
Language: racket, with debugging; memory limit: 128 MB.

```
1
0
>
```

Determine language from source ▼ 5:2 619.87 MB

#4



#5

```
Untitled - DrRacket*
File Edit View Language Racket Insert Scripts Tabs Help
Untitled (define ...) [Save] [Debug] [Macro Stepper] [Run] [Stop]

#lang racket

(define (minoflist L)
  (cond ((null? (cdr L)) (car L))
        ((< (car L) (minoflist (cdr L))) (car L))
        (else (minoflist (cdr L)))))

(define (maxoflist L)
  (cond ((null? (cdr L)) (car L))
        ((> (car L) (maxoflist (cdr L))) (car L))
        (else (maxoflist (cdr L)))))

(define (pMinMax L)
  (list (minoflist L) (maxoflist L)))

(pMinMax '(1 2 3))
(pMinMax '(11 -3 44))

Welcome to DrRacket, version 7.6 [3m].
Language: racket, with debugging; memory limit: 128 MB.
' (1 3)
' (-3 44)
>

Determine language from source ▼ 5:2 741.54 MB [Memory Usage] [Status]
```

#6

