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```
1 #lang racket
    ; Enter your code here. Read input from STDIN. Print output to STDOUT
 4
    (define (polygon-area-iter points n sum)
       (cond ((= n (length points)) (abs (if (= (remainder sum 2) 0) (/ sum 2) (/ sum 2.0))))
      (else (polygon-area-iter
 6
                       points
                       (+ n 1)
 9
                       (+ sum (-
                                 (* (car (list-ref points n)) (cdr (list-ref points (remainder (+ n 1) (length points)))))
(* (car (list-ref points (remainder (+ n 1) (length points)))) (cdr (list-ref points n))))))))
10
11
12
    (define (polygon-area points) (polygon-area-iter points 0 0))
14
15
    (define (read-points n)
       (cond ((= n 0) '())
(else (cons (cons (read) (read)) (read-points (- n 1))))))
16
17
19
    (displayln (polygon-area (read-points (read))))
                                                                                                                                               Line: 1 Col: 1
<u>♣ Upload Code as File</u> Test against custom input
                                                                                                                                   Run Code
                                                                                                                                                 Submit Code
```

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