

Test Case #1

> l

'(5 (1 1) (5 4) #(#(2 3 3 2 2) #(2 4 4 4 2) #(3 4 5 3 2) #(2 3 4 2 2) #(2 2 3 2 2)))

> (LCPath l)

(1 1)(1 2)(1 3)(2 3)(2 2)(3 2)(4 2)(4 3)(4 4)(5 4)

Test Case #2

> l

'(5 (1 1) (1 2) #(#(2 3 3 2 2) #(2 4 4 4 2) #(3 4 5 3 2) #(2 3 4 2 2) #(2 2 3 2 2)))

> (LCPath l)

(1 1)(1 2)

Test Case #3

> l

'(5 (3 3) (1 1) #(#(1 1 1 1 1) #(1 1 1 1 1) #(1 1 1 1 1) #(1 1 1 1 1) #(1 1 1 1 1)))

> (LCPath l)

(3 3)(3 2)(2 2)(2 1)(1 1)

Snapshot:

```
;#1: (define l '(5 (1 1) (5 4) #(#(2 3 3 2 2) #(2 4 4 4 2) #(3 4 5 3 2) #(2 3 4 2 2) #(2 2 3 2 2))) )  
;#2: (define l '(5 (1 1) (1 2) #(#(2 3 3 2 2) #(2 4 4 4 2) #(3 4 5 3 2) #(2 3 4 2 2) #(2 2 3 2 2))) )  
;#3: (define l '(5 (3 3) (1 1) #(#(1 1 1 1 1) #(1 1 1 1 1) #(1 1 1 1 1) #(1 1 1 1 1) #(1 1 1 1 1))) )  
  
;(size, start, finish, grid)  
  
(define (LCPath infolist)
```