测试数据1：

Map：

{ '1','1','1','1','1','1','1','1','1','1' },

{ '1','0','1','1','0','0','0','1','0','#' },

{ '1','0','1','1','0','1','1','1','0','1' },

{ '1','0','0','0','0','1','1','1','0','1' },

{ '1','0','1','1','1','0','0','0','0','1' },

{ '1','0','0','P','1','0','1','1','0','1' },

{ '1','0','1','0','0','0','1','1','0','1' },

{ '1','0','1','1','1','0','1','1','0','1' },

{ '1','1','0','0','0','0','0','0','0','1' },

{ '1','1','1','1','1','1','1','1','1','1' },

push A

[2,5]

A

push A

[1,5]

A A

push W

[1,4]

W A A

push W

[1,3]

W W A A

push W

[1,2]

W W W A A

push W

[1,1]

W W W W A A

pop W

[1,2]

W W W A A

pop W

[1,3]

W W A A

push D

[2,3]

D W W A A

push D

[3,3]

D D W W A A

push D

[4,3]

D D D W W A A

push W

[4,2]

W D D D W W A A

push W

[4,1]

W W D D D W W A A

push D

[5,1]

D W W D D D W W A A

push D

[6,1]

D D W W D D D W W A A

pop D

[5,1]

D W W D D D W W A A

pop D

[4,1]

W W D D D W W A A

pop W

[4,2]

W D D D W W A A

pop W

[4,3]

D D D W W A A

pop D

[3,3]

D D W W A A

pop D

[2,3]

D W W A A

pop D

[1,3]

W W A A

pop W

[1,4]

W A A

pop W

[1,5]

A A

push S

[1,6]

S A A

push S

[1,7]

S S A A

pop S

[1,6]

S A A

pop S

[1,5]

A A

pop A

[2,5]

A

pop A

[3,5]

push S

[3,6]

S

push D

[4,6]

D S

push D

[5,6]

D D S

push W

[5,5]

W D D S

push W

[5,4]

W W D D S

push D

[6,4]

D W W D D S

push D

[7,4]

D D W W D D S

push D

[8,4]

D D D W W D D S

push W

[8,3]

W D D D W W D D S

push W

[8,2]

W W D D D W W D D S

push W

[8,1]

W W W D D D W W D D S

push D

[9,1]

D W W W D D D W W D D S

We have find the way !

================================================================================

[3,5]->[3,6]->[4,6]->[5,6]->[5,5]->[5,4]->[6,4]->[7,4]->[8,4]->[8,3]->[8,2]->[8,1]->[9,1]

测试数据2

Map：

{ '1','1','1','1','1','1','1','1','1','1' },

{ '1','0','1','1','0','0','0','1','0','1' },

{ '1','0','1','1','0','1','1','1','0','#' },

{ '1','0','0','0','0','1','1','1','0','1' },

{ '1','0','1','1','1','0','0','0','0','1' },

{ '1','0','0','P','1','0','1','1','0','1' },

{ '1','0','1','0','0','0','1','1','0','1' },

{ '1','0','1','1','1','0','1','1','0','1' },

{ '1','1','0','0','0','0','0','0','0','1' },

{ '1','1','1','1','1','1','1','1','1','1' },

push A

[2,5]

A

push A

[1,5]

A A

push W

[1,4]

W A A

push W

[1,3]

W W A A

push W

[1,2]

W W W A A

push W

[1,1]

W W W W A A

pop W

[1,2]

W W W A A

pop W

[1,3]

W W A A

push D

[2,3]

D W W A A

push D

[3,3]

D D W W A A

push D

[4,3]

D D D W W A A

push W

[4,2]

W D D D W W A A

push W

[4,1]

W W D D D W W A A

push D

[5,1]

D W W D D D W W A A

push D

[6,1]

D D W W D D D W W A A

pop D

[5,1]

D W W D D D W W A A

pop D

[4,1]

W W D D D W W A A

pop W

[4,2]

W D D D W W A A

pop W

[4,3]

D D D W W A A

pop D

[3,3]

D D W W A A

pop D

[2,3]

D W W A A

pop D

[1,3]

W W A A

pop W

[1,4]

W A A

pop W

[1,5]

A A

push S

[1,6]

S A A

push S

[1,7]

S S A A

pop S

[1,6]

S A A

pop S

[1,5]

A A

pop A

[2,5]

A

pop A

[3,5]

push S

[3,6]

S

push D

[4,6]

D S

push D

[5,6]

D D S

push W

[5,5]

W D D S

push W

[5,4]

W W D D S

push D

[6,4]

D W W D D S

push D

[7,4]

D D W W D D S

push D

[8,4]

D D D W W D D S

push W

[8,3]

W D D D W W D D S

push W

[8,2]

W W D D D W W D D S

push W

[8,1]

W W W D D D W W D D S

pop W

[8,2]

W W D D D W W D D S

push D

[9,2]

D W W D D D W W D D S

We have find the way !

================================================================================

[3,5]->[3,6]->[4,6]->[5,6]->[5,5]->[5,4]->[6,4]->[7,4]->[8,4]->[8,3]->[8,2]->[9,2]

测试数据3：

Map：

{ '1','1','1','1','1','1','1','1','1','1' },

{ '1','0','1','1','0','0','0','1','0','1' },

{ '1','0','1','1','0','1','1','1','0','1' },

{ '1','0','0','0','0','1','1','1','0','1' },

{ '1','0','1','1','1','0','0','0','0','1' },

{ '1','0','0','P','1','0','1','1','0','1' },

{ '1','0','1','0','0','0','1','1','0','#' },

{ '1','0','1','1','1','0','1','1','0','1' },

{ '1','1','0','0','0','0','0','0','0','1' },

{ '1','1','1','1','1','1','1','1','1','1' },

push A

[2,5]

A

push A

[1,5]

A A

push W

[1,4]

W A A

push W

[1,3]

W W A A

push W

[1,2]

W W W A A

push W

[1,1]

W W W W A A

pop W

[1,2]

W W W A A

pop W

[1,3]

W W A A

push D

[2,3]

D W W A A

push D

[3,3]

D D W W A A

push D

[4,3]

D D D W W A A

push W

[4,2]

W D D D W W A A

push W

[4,1]

W W D D D W W A A

push D

[5,1]

D W W D D D W W A A

push D

[6,1]

D D W W D D D W W A A

pop D

[5,1]

D W W D D D W W A A

pop D

[4,1]

W W D D D W W A A

pop W

[4,2]

W D D D W W A A

pop W

[4,3]

D D D W W A A

pop D

[3,3]

D D W W A A

pop D

[2,3]

D W W A A

pop D

[1,3]

W W A A

pop W

[1,4]

W A A

pop W

[1,5]

A A

push S

[1,6]

S A A

push S

[1,7]

S S A A

pop S

[1,6]

S A A

pop S

[1,5]

A A

pop A

[2,5]

A

pop A

[3,5]

push S

[3,6]

S

push D

[4,6]

D S

push D

[5,6]

D D S

push W

[5,5]

W D D S

push W

[5,4]

W W D D S

push D

[6,4]

D W W D D S

push D

[7,4]

D D W W D D S

push D

[8,4]

D D D W W D D S

push W

[8,3]

W D D D W W D D S

push W

[8,2]

W W D D D W W D D S

push W

[8,1]

W W W D D D W W D D S

pop W

[8,2]

W W D D D W W D D S

pop W

[8,3]

W D D D W W D D S

pop W

[8,4]

D D D W W D D S

push S

[8,5]

S D D D W W D D S

push S

[8,6]

S S D D D W W D D S

push D

[9,6]

D S S D D D W W D D S

We have find the way !

================================================================================

[3,5]->[3,6]->[4,6]->[5,6]->[5,5]->[5,4]->[6,4]->[7,4]->[8,4]->[8,5]->[8,6]->[9,6]

测试数据4：

Map：

{ '1','1','1','1','1','1','1','1','1','1' },

{ '1','0','1','1','0','0','0','1','0','1' },

{ '1','0','1','1','0','1','1','1','0','1' },

{ '1','0','0','0','0','1','1','1','0','1' },

{ '1','0','1','1','1','0','0','0','0','1' },

{ '1','0','0','P','1','0','1','1','0','1' },

{ '1','0','1','0','0','0','1','1','0','1' },

{ '1','0','1','1','1','0','1','1','0','1' },

{ '1','1','0','0','0','0','0','0','0','#' },

{ '1','1','1','1','1','1','1','1','1','1' },

无限死循环

{ '1','1','1','1','1','1','1','1','1','1' },

{ '1','0','1','1','0','0','0','1','0','1' },

{ '1','0','1','1','0','1','1','1','0','1' },

{ '1','0','0','0','0','1','1','1','0','1' },

{ '1','0','1','1','1','0','0','0','0','1' },

{ '1','0','0','P','1','0','1','1','0','1' },

{ '1','0','1','0','0','0','#','1','0','1' },

{ '1','0','1','1','1','0','1','1','0','1' },

{ '1','1','0','0','0','0','0','0','0','1' },

{ '1','1','1','1','1','1','1','1','1','1' },

算法局限，不能同时选择两条路径（除去原来前进路线方向）或以上的方向。