

Problem B: SEARIGHT LIVE FES

原案・解説 rollman054

問題概要

- コの字型をした二列の列がある
- 二人の主人公が列の最後尾に並んでいる
- 列のはけ方が与えられるので、二人が隣同士に並ぶ回数を求めよ

制約

- $4 \leq W \leq 100$
- $4 \leq H \leq 100$
- $0 \leq N \leq 100$

- p_i は0または1

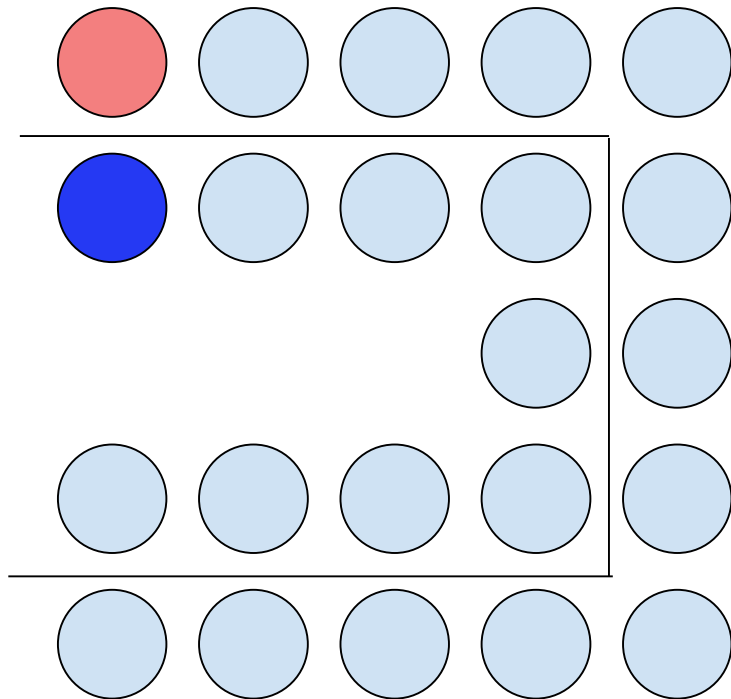
例

$W=5, H=5,$

$p_i = \{0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1\}$

例

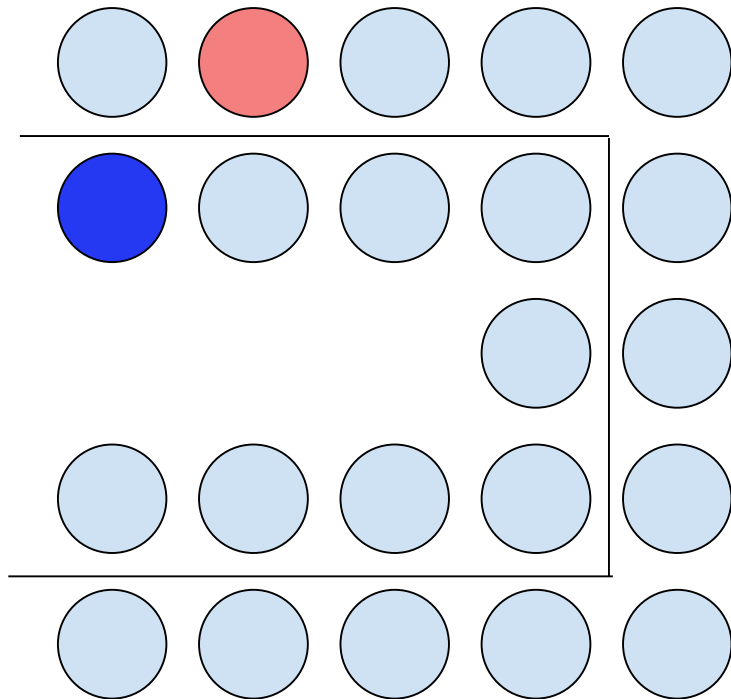
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 0回

例

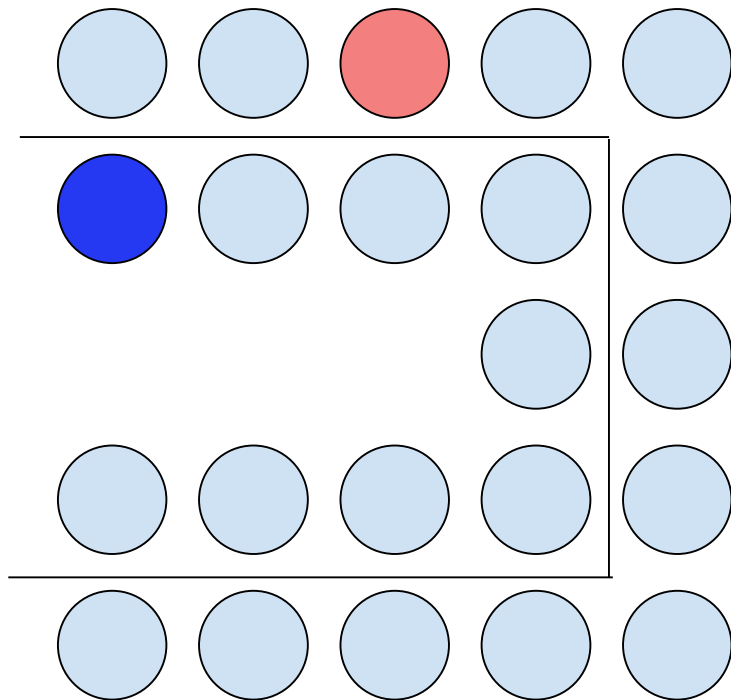
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 0回

例

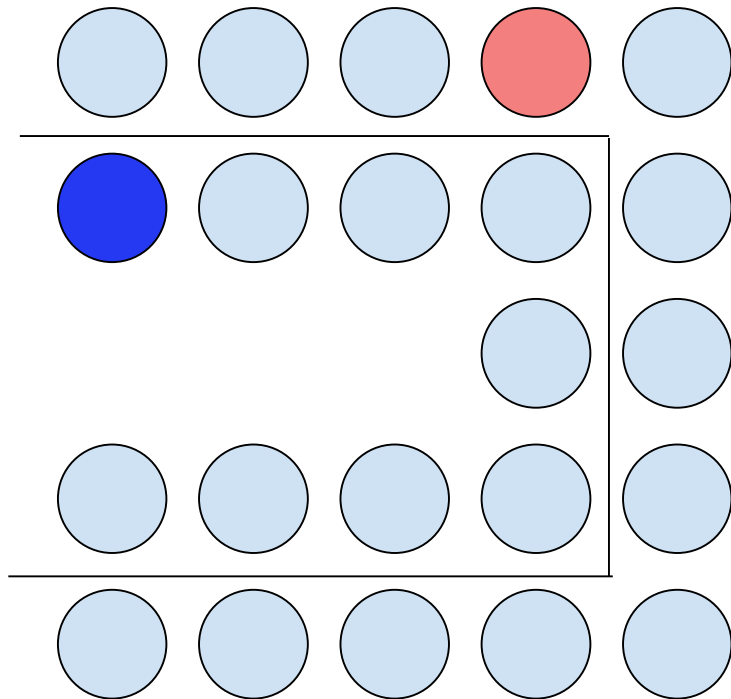
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 0回

例

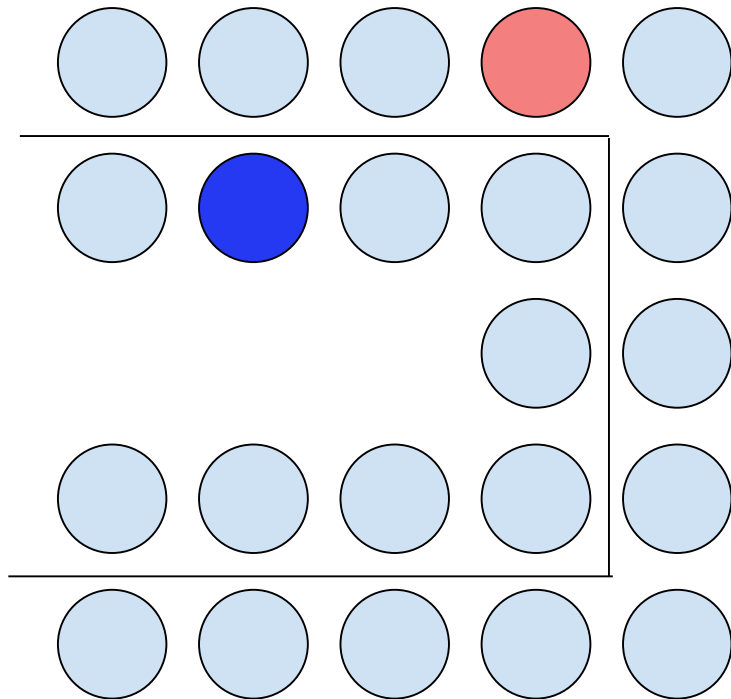
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 0回

例

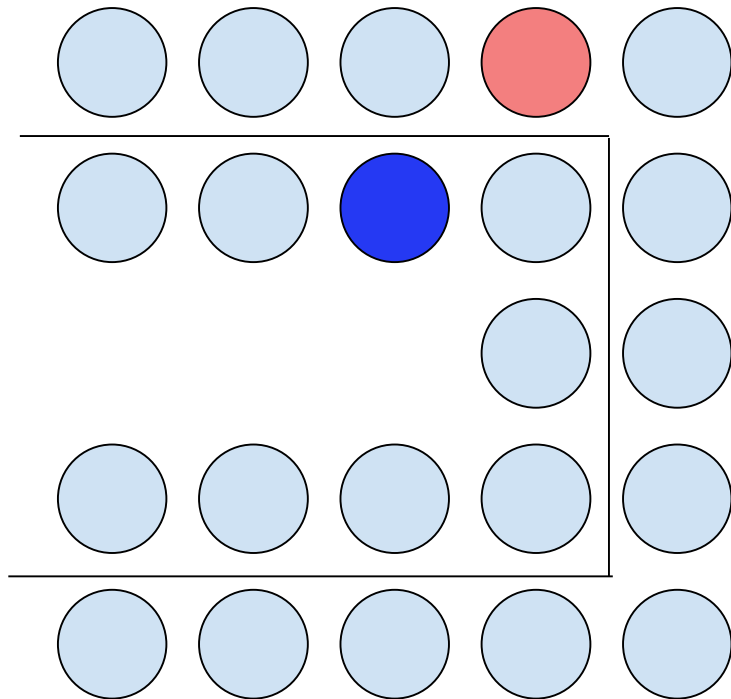
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 0回

例

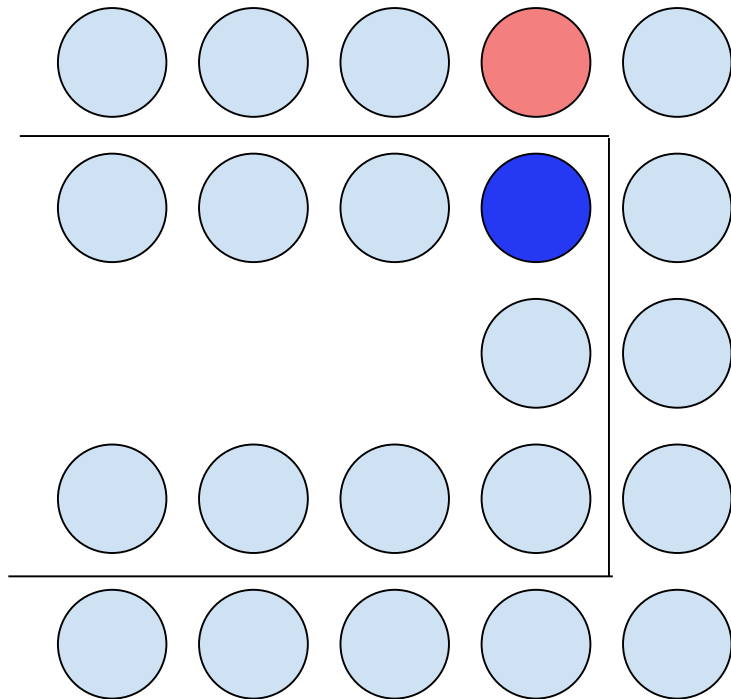
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 0回

例

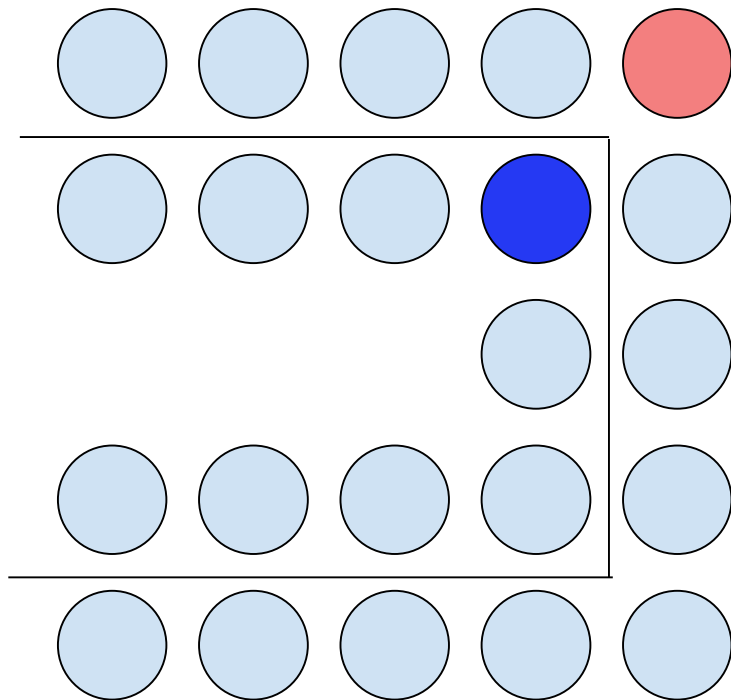
$p_i = \{0, 0, 0, 1, 1,$
1, 0, 0, 0, 0, 1, 0,
1, 1, 1\}



答え 1回

例

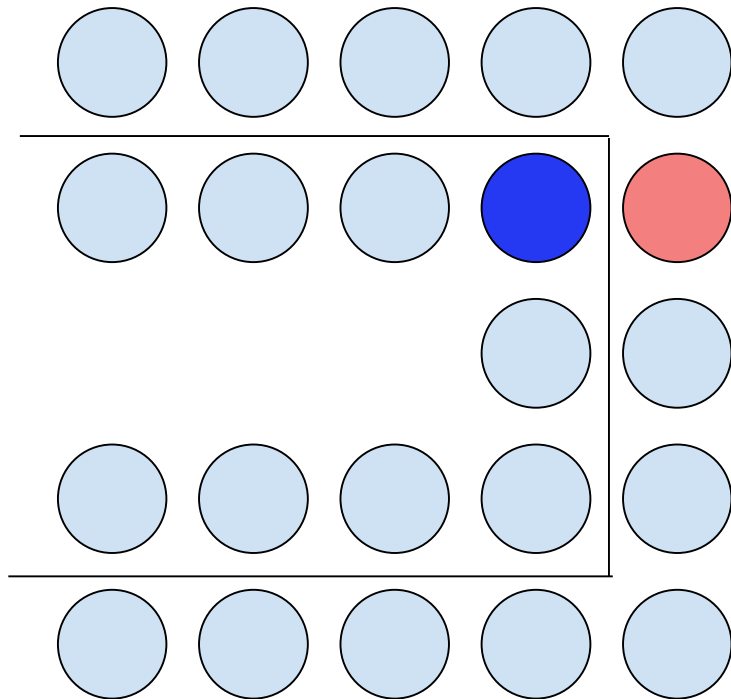
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 1回

例

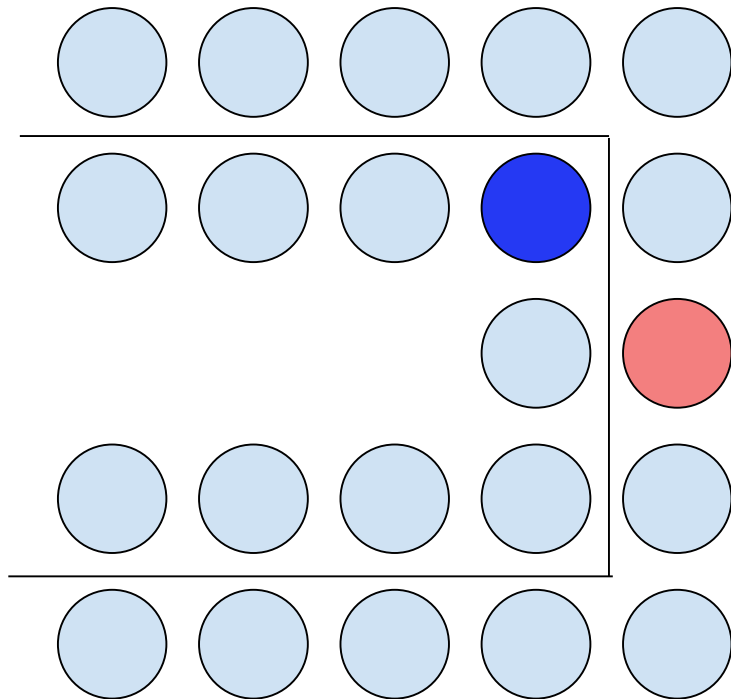
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

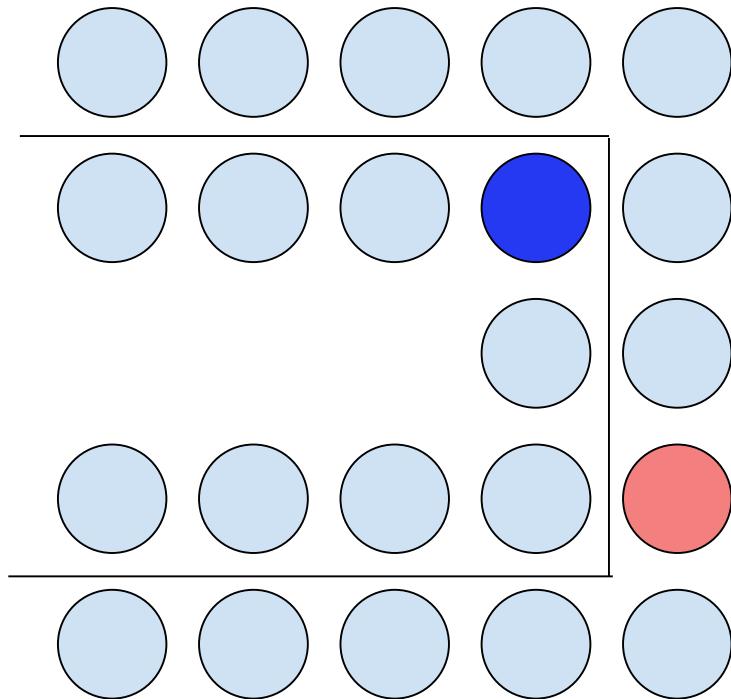
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

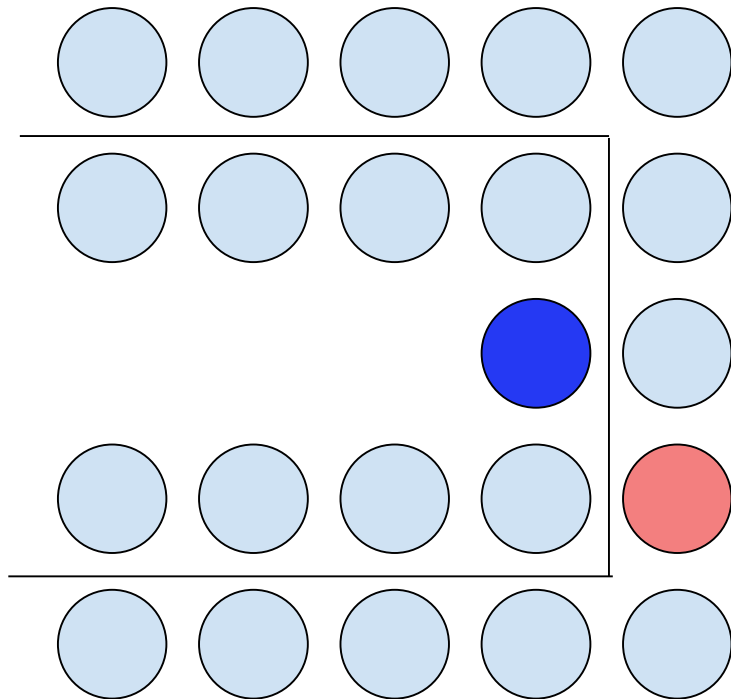
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

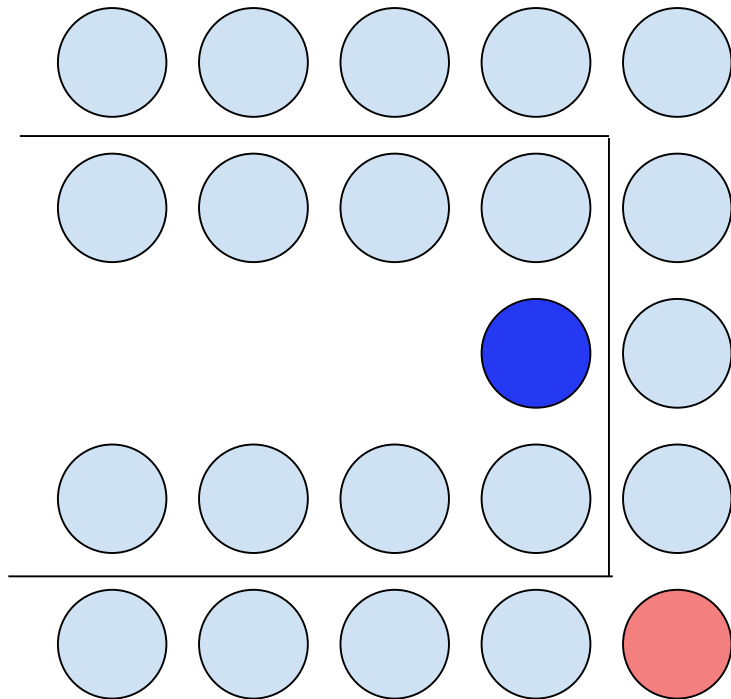
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

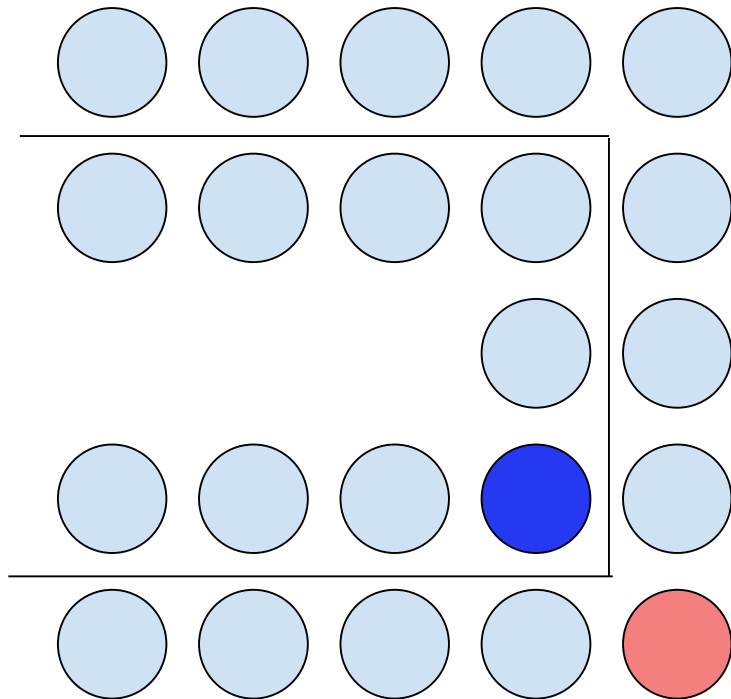
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

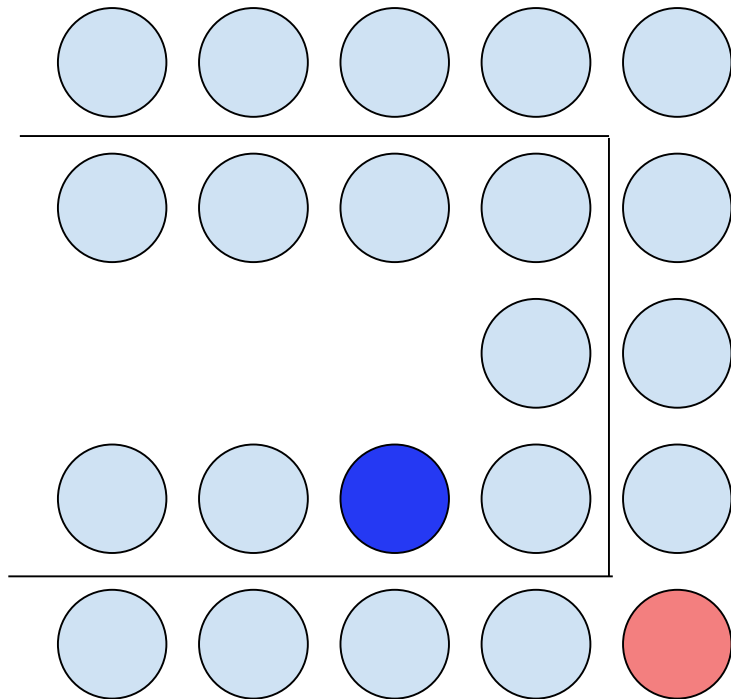
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

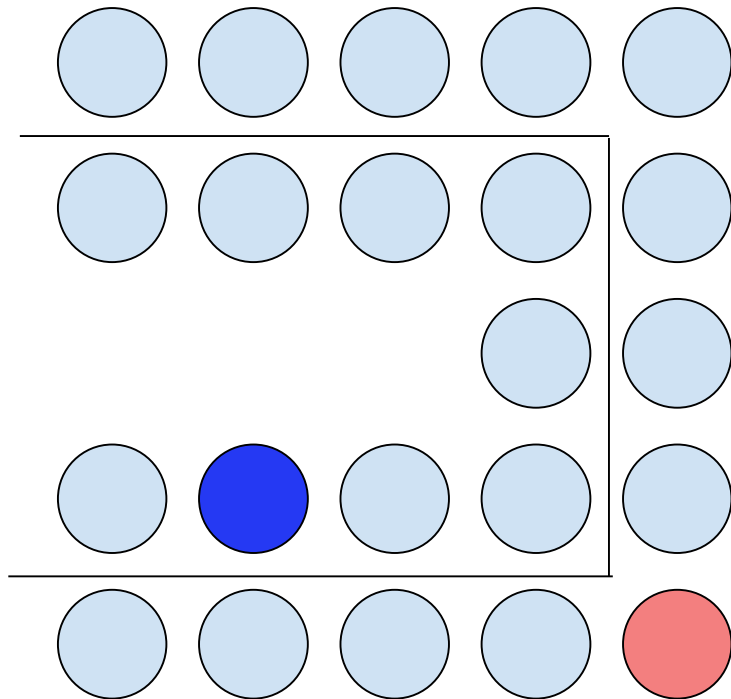
$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

例

$p_i = \{0, 0, 0, 1, 1,$
 $1, 0, 0, 0, 0, 1, 0,$
 $1, 1, 1\}$



答え 2回

解法

二人の現在地を最後尾からの距離として保存

(input = 0) : (外側)++ ? (内側)++

1.(外側) < W:

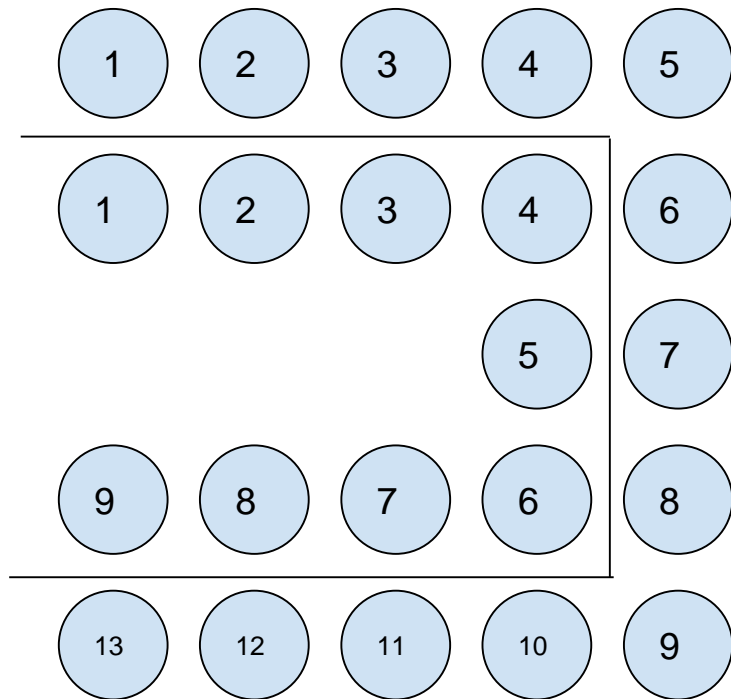
if((外側) = (内側)) ans++

2.W < (外側) < W+H-1:

if((外側) - 2) == (内側)) ans++

3.(外側) < W+H-1:

if((外側) - 4) == (内側)) ans++



ジャッジ解

- arrows c++ 49 lines
- dohatsu c++ 35 lines
- kawa c++ 18 lines
- rollman c++ 42 lines

結果

- Success Rate (Accepted/Submission)

30/64 (46.88%)

- First Accepted

Onsite: polinky 14m

All: semiexp 8m