

```
0 0 1 r 0
0 1 _ r 0
0 _ _ r 1

1 0 0 r 2
1 1 1 r 2
1 _ _ r 2

2 0 1 r 3
2 1 _ r 3
2 _ _ r 3

3 0 0 l 1
3 1 1 l 3
3 _ _ r halt
```