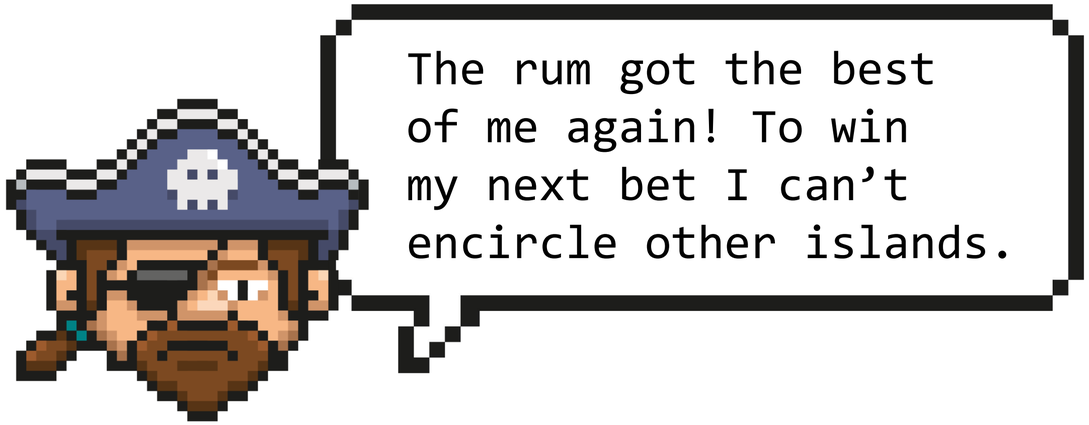
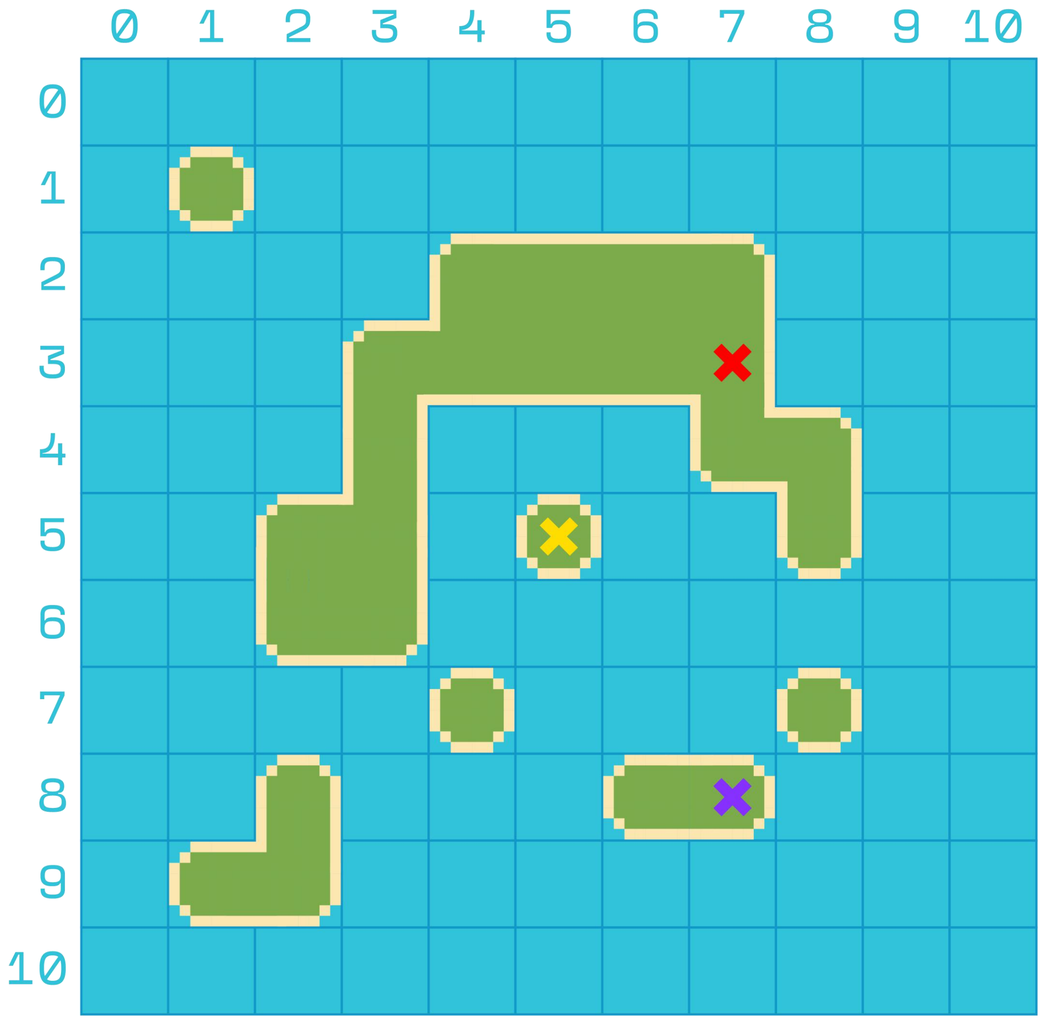
LEVEL 7



- For each coordinate, find the **shortest** sea route encircling the given island.
- **Your route must not encircle any other island.**



Checklist for routes:

- **Must not** visit any tile that is land.
- **Must not** have gaps.
- **Must not** visit the same tile twice.
- **Must not** have two diagonal steps crossing each other.
- **Must** end on one of the 8 neighbor tiles of tile where it started.
- **Must** be the shortest possible route.
- **Must not** encircle any other island.

Input - identical to previous level

Name	Description	Example
Size of Map	An integer representing the width and height of the map	11
Map	A paragraph of characters	WWWWWWWWWWW WLWWWWWWWWW WWWWLLLLWWW WWWLLLLLWWW WWWLWWWLLWW WWLLWLWWLWW WWLLWWWWWWW WWWWLWWWLWW WWLWWWLLWWW WLLWWWWWWWW WWWWWWWWWWW
N	An integer representing the number of coordinates	3
Coordinate (repeated N times)	A pair of integers representing a tile on the map.	7,3 5,5 7,8

Output - identical to previous level

Name	Example
Path (repeated N times)	1,5 1,4 2,3 3,2 4,1 5,0 6,0 7,1 8,2 8,3 9,4 9,5 8,6 7,6 6,5 5,4 4,5 4,6 3,7 2,7 1,6 5,4 6,5 5,6 4,5 6,7 7,7 8,8 7,9 6,9 5,8

This is just an example solution. Any solution satisfying the rules on the previous page is correct.

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