

Description

Solution

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c++ solution explained with images and notes



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Explanation



```
grid = [[1,0,0],[0,0,0],[0,0,1]]
```

First step

Find all lands and add them to the queue

1	0	0	queue = {{0,0},{2,2}}
0	0	0	
0	0	1	

Second step

Remove the front element of queue and check on the top, bottom, left and right of it

1	0	0	queue = {{2,2}}
0	0	0	
0	0	1	

If any of these directions' value is equal to 0, add them to queue

1	0	0	queue = {{2,2},{0,1},{1,0}}
0	0	0	
0	0	1	

Calculate the distance for each direction (**Be carefull**, the distance we are calculating isn't the real distance, should be distance - 1, the reason why is because we add 1 (the value of the land) when the distance sh

1	2	0	queue = {{2,2},{0,1},{1,0}}
2	0	0	
0	0	1	

Repeat the second step until queue is empty