
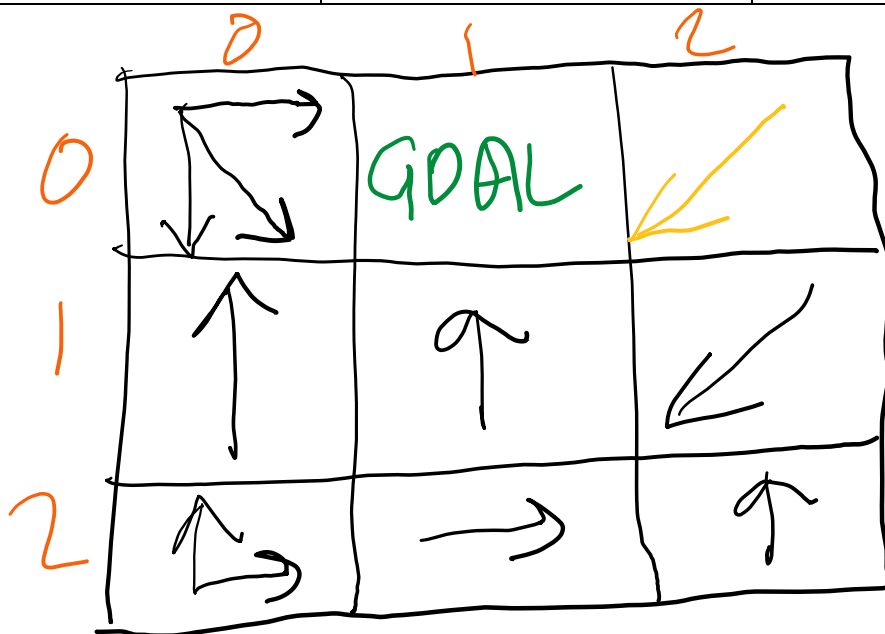


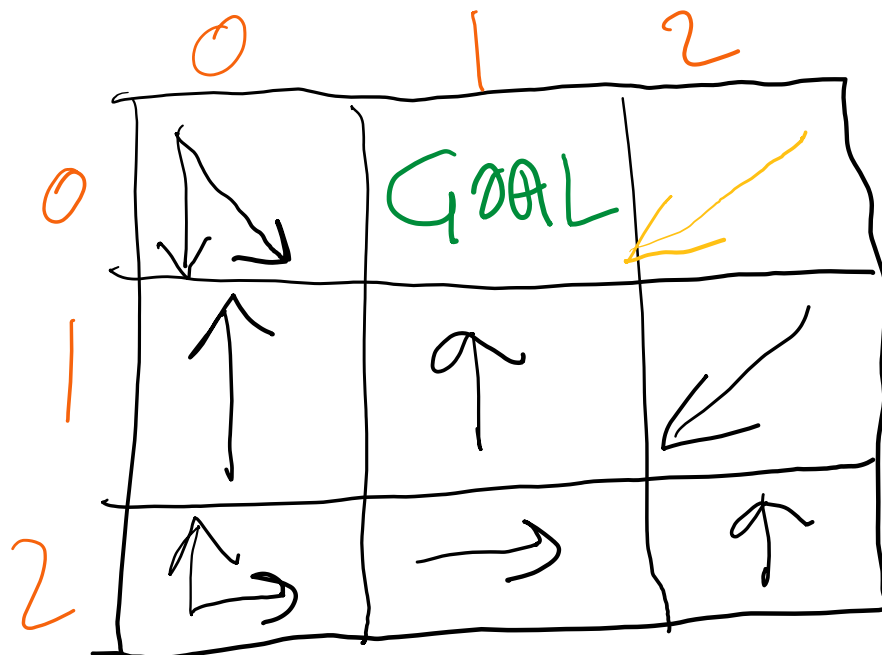
$loc = \{row: 0, col: 0\}$ $d += 0$ $moves = [(row + d, col), (row, col + d), (row + d, col + d)]$	$loc = \{row: 0, col: 1\}$ d  $moves = []$ $Goal = TRUE$	$loc = \{row: 0, col: 2\}$ $d -= 1$ $moves = [(row + d, col - d)]$
$loc = \{row: 1, col: 0\}$ $d += 0$ $moves = [(row - d, col)]$	$loc = \{row: 1, col: 1\}$ $d += 0$ $moves = [(row - d, col)]$	$loc = \{row: 1, col: 2\}$ $d += 0$ $moves = [(row + d, col - d)]$
$loc = \{row: 2, col: 0\}$ $d += 0$ $moves = [(row - d, col), (row, col + d)]$	$loc = \{row: 2, col: 1\}$ $d += 0$ $moves = [(row, col + d)]$	$loc = \{row: 2, col: 2\}$ $d += 0$ $moves = [(row - d, col)]$



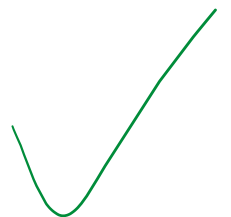
1



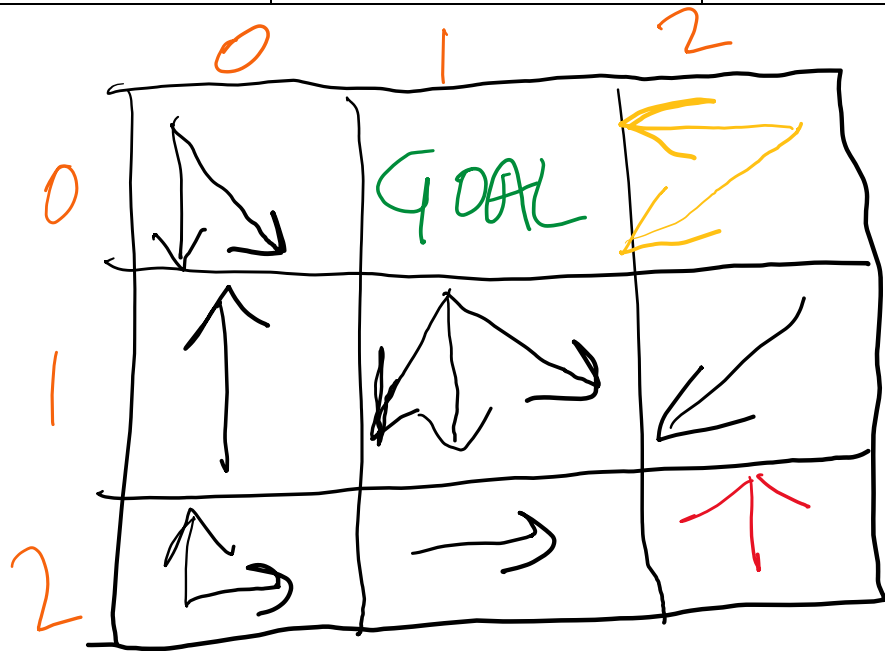
$loc = \{row: 0, col: 0\}$ $d += 0$ $moves = [(row + d, col), (row + d, col + d)]$	$loc = \{row: 0, col: 1\}$ d $moves = []$ $Goal = TRUE$	$loc = \{row: 0, col: 2\}$ $d -= 1$ $moves = [(row + d, col - d)]$
$loc = \{row: 1, col: 0\}$ $d += 0$ $moves = [(row - d, col)]$	$loc = \{row: 1, col: 1\}$ $d += 0$ $moves = [(row - d, col)]$	$loc = \{row: 1, col: 2\}$ $d += 0$ $moves = [(row + d, col - d)]$
$loc = \{row: 2, col: 0\}$ $d += 0$ $moves = [(row - d, col), (row, col + d)]$	$loc = \{row: 2, col: 1\}$ $d += 0$ $moves = [(row, col + d)]$	$loc = \{row: 2, col: 2\}$ $d += 0$ $moves = [(row - d, col)]$



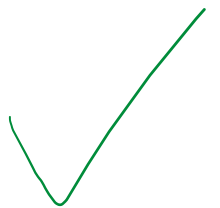
2



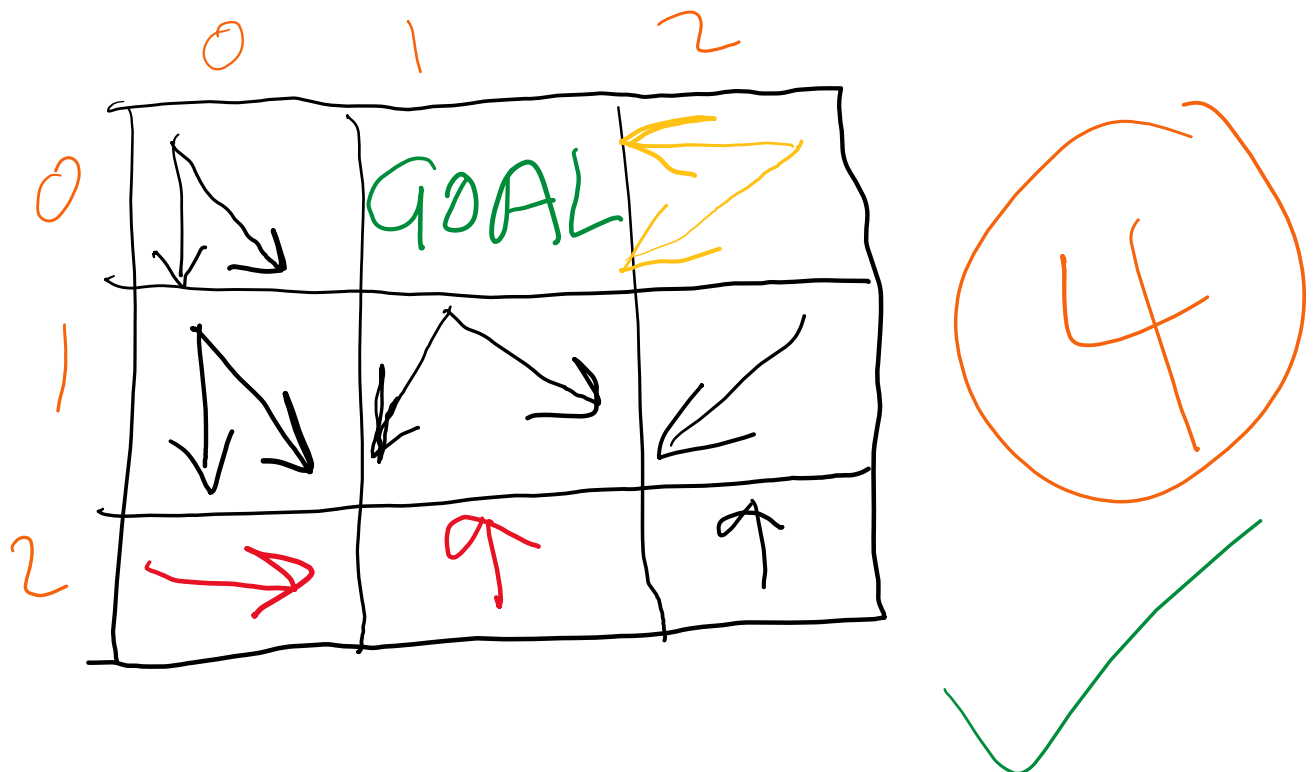
$loc = \{row: 0, col: 0\}$ $d += 0$ $moves = [(row + d, col), (row + d, col + d)]$	$loc = \{row: 0, col: 1\}$ d $moves = []$ $Goal = TRUE$	$loc = \{row: 0, col: 2\}$ $d -= 1$ $moves = [(row + d, col - d), (row, col - d),]$
$loc = \{row: 1, col: 0\}$ $d += 0$ $moves = [(row - d, col)]$	$loc = \{row: 1, col: 1\}$ $d += 0$ $moves = [(row + d, col + d), (row + d, col - d), (row + d, col)]$	$loc = \{row: 1, col: 2\}$ $d += 0$ $moves = [(row + d, col - d)]$
$loc = \{row: 2, col: 0\}$ $d += 0$ $moves = [(row - d, col), (row, col + d)]$	$loc = \{row: 2, col: 1\}$ $d += 0$ $moves = [(row, col + d)]$	$loc = \{row: 2, col: 2\}$ $d += 1$ $moves = [(row - d, col)]$



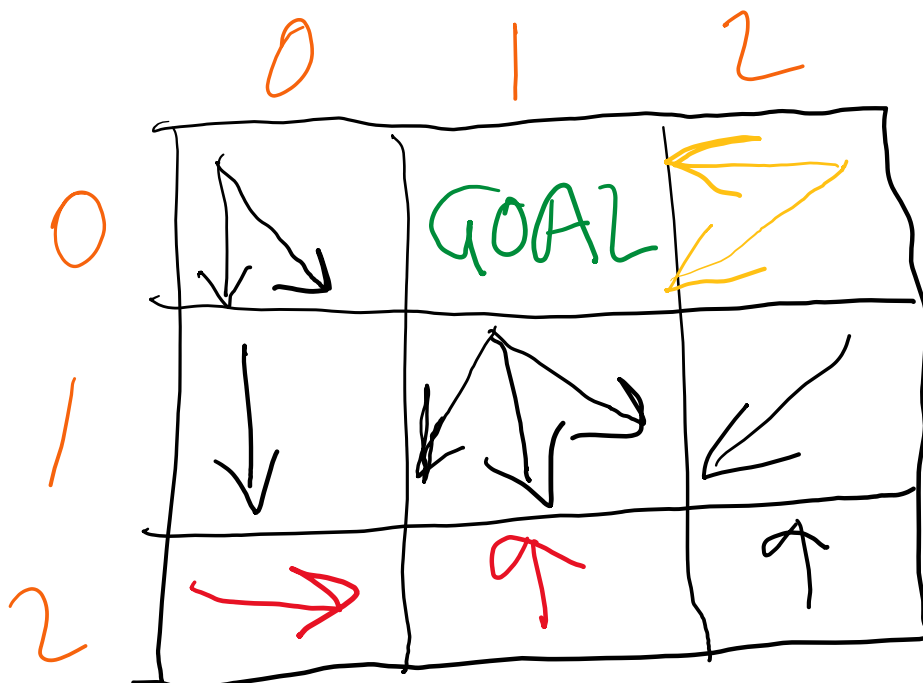
3



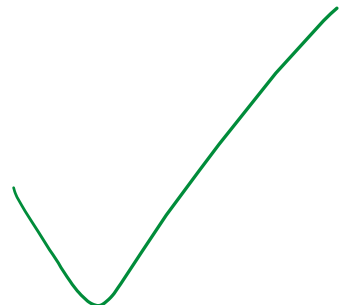
$loc = \{row: 0, col: 0\}$ $d += 0$ $moves = [(row + d, col), (row + d, col + d)]$	$loc = \{row: 0, col: 1\}$ d $moves = []$ $Goal = TRUE$	$loc = \{row: 0, col: 2\}$ $d -= 1$ $moves = [(row + d, col - d), (row, col - d),]$
$loc = \{row: 1, col: 0\}$ $d += 0$ $moves = [(row + d, col), (row + d, col + d)]$	$loc = \{row: 1, col: 1\}$ $d += 0$ $moves = [(row + d, col + d), (row + d, col - d)]$	$loc = \{row: 1, col: 2\}$ $d += 0$ $moves = [(row + d, col - d)]$
$loc = \{row: 2, col: 0\}$ $d += 0$ $moves = [(row, col + d)]$	$loc = \{row: 2, col: 1\}$ $d += 1$ $moves = [(row - d, col)]$	$loc = \{row: 2, col: 2\}$ $d += 1$ $moves = [(row - d, col)]$

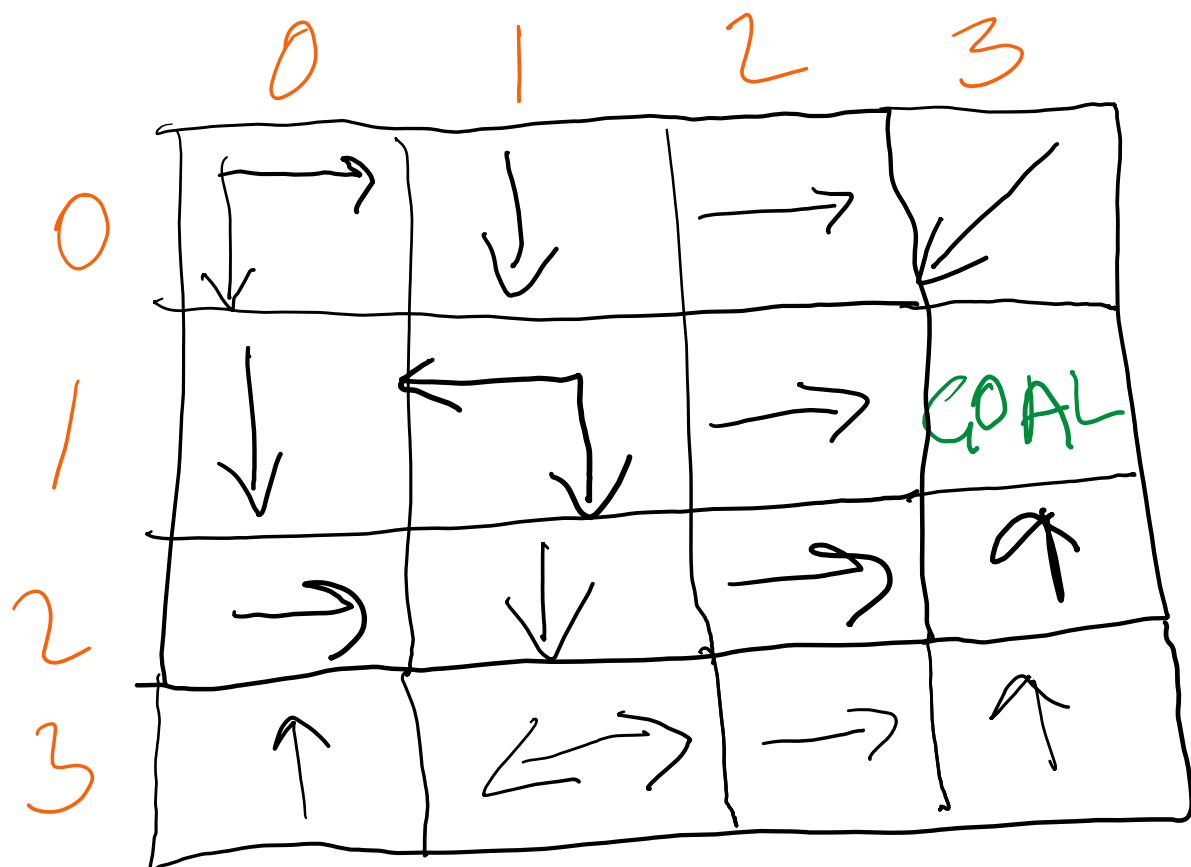
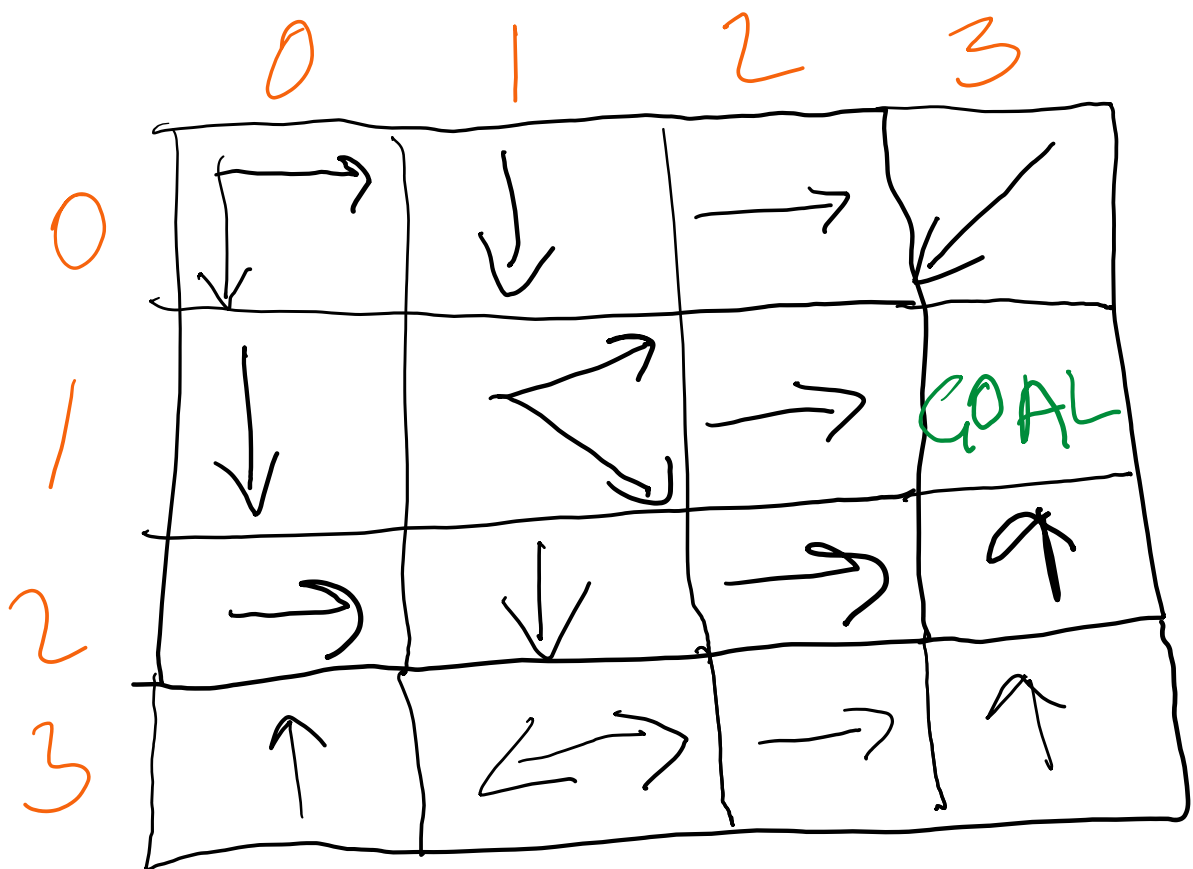


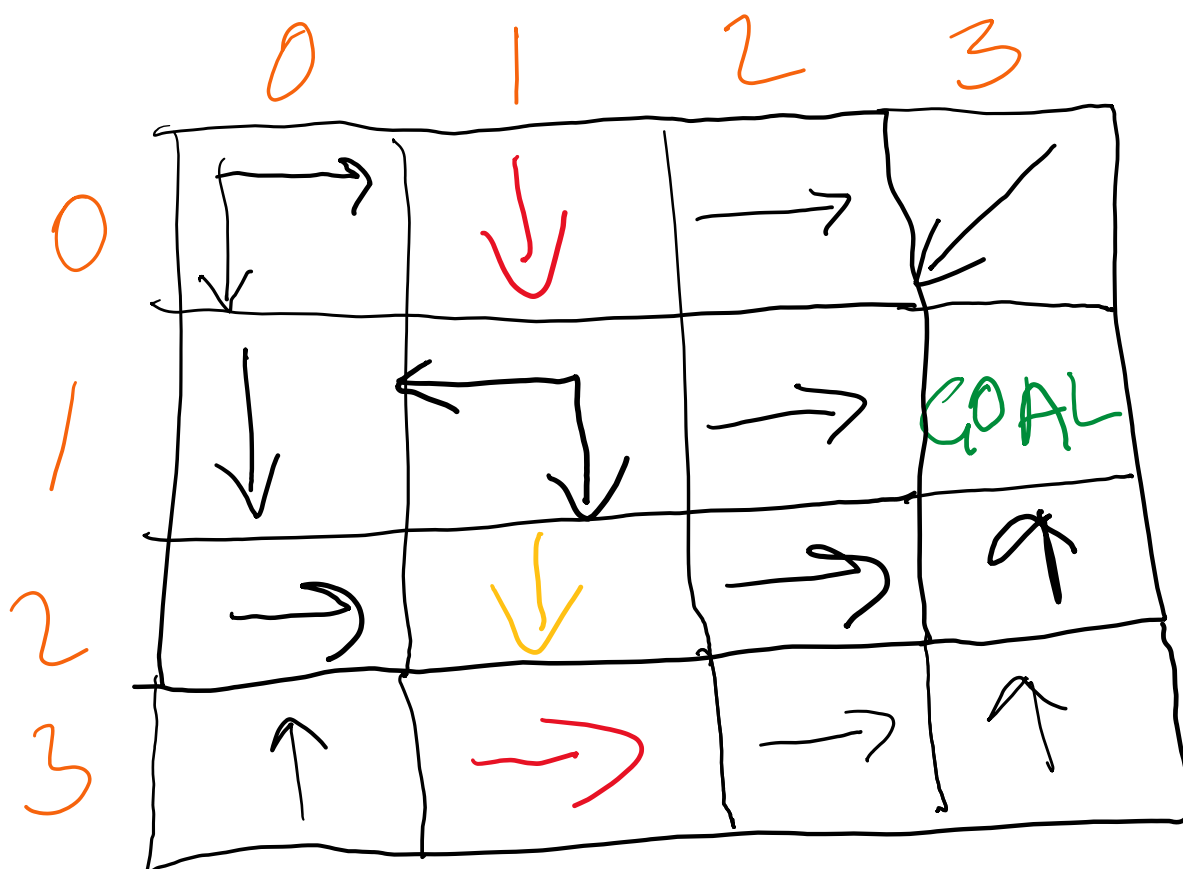
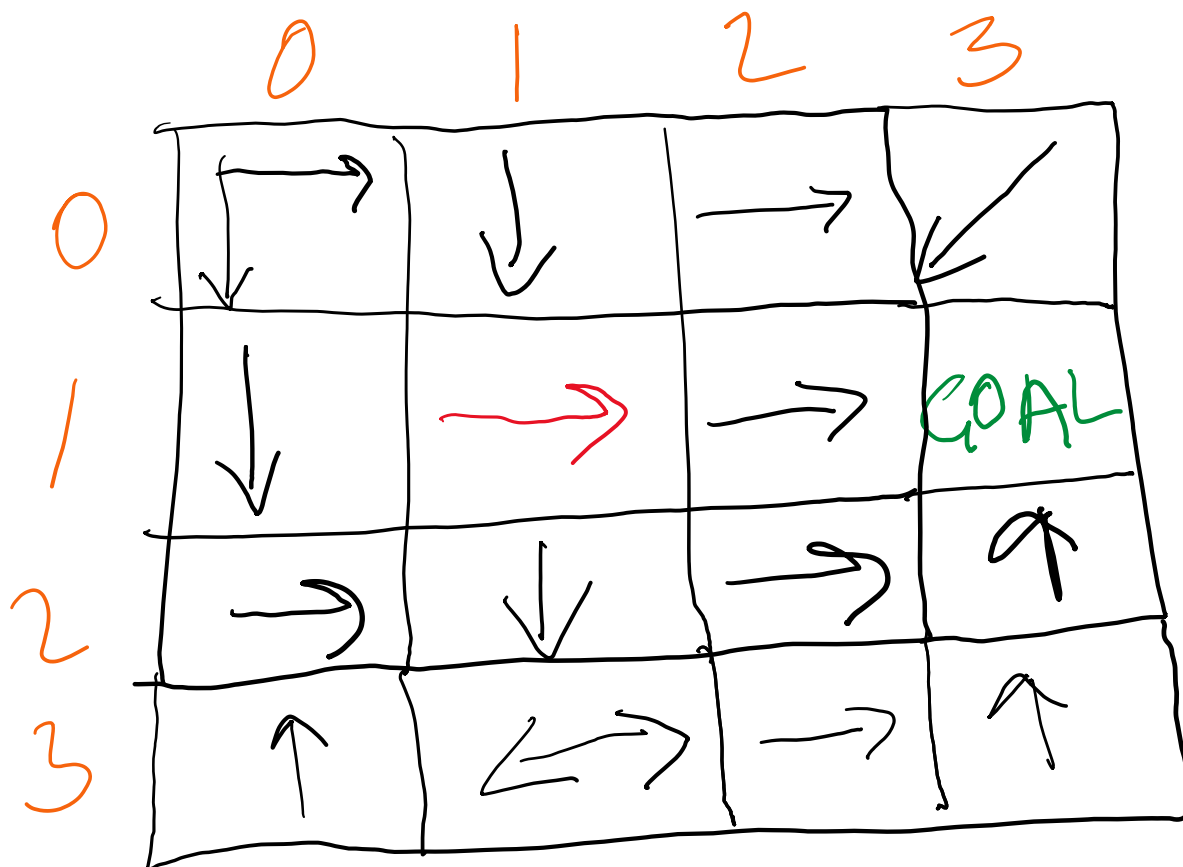
loc = {row: 0, col: 0} d += 0 moves = [(row + d, col), (row + d, col + d)]	loc = {row: 0, col: 1} d moves = [] Goal = TRUE	loc = {row: 0, col: 2} d -= 1 moves = [(row + d, col - d), (row, col - d),]
loc = {row: 1, col: 0} d += 0 moves = [(row + d, col)]	loc = {row: 1, col: 1} d += 0 moves = [(row + d, col + d), (row + d, col - d), (row + d, col)]	loc = {row: 1, col: 2} d += 0 moves = [(row + d, col - d)]
loc = {row: 2, col: 0} d += 0 moves = [(row, col + d)]	loc = {row: 2, col: 1} d += 1 moves = [(row - d, col)]	loc = {row: 2, col: 2} d += 1 moves = [(row - d, col)]

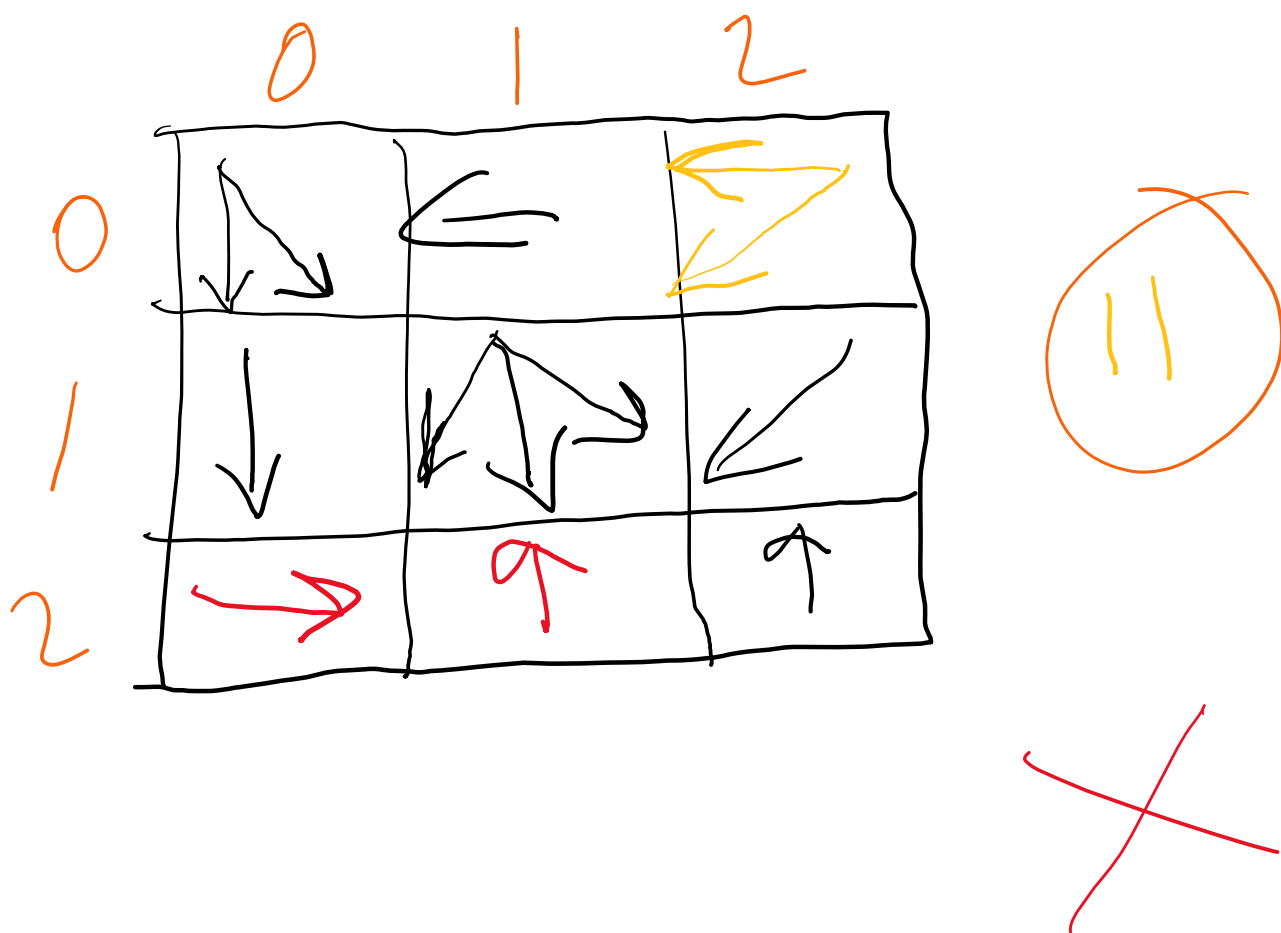
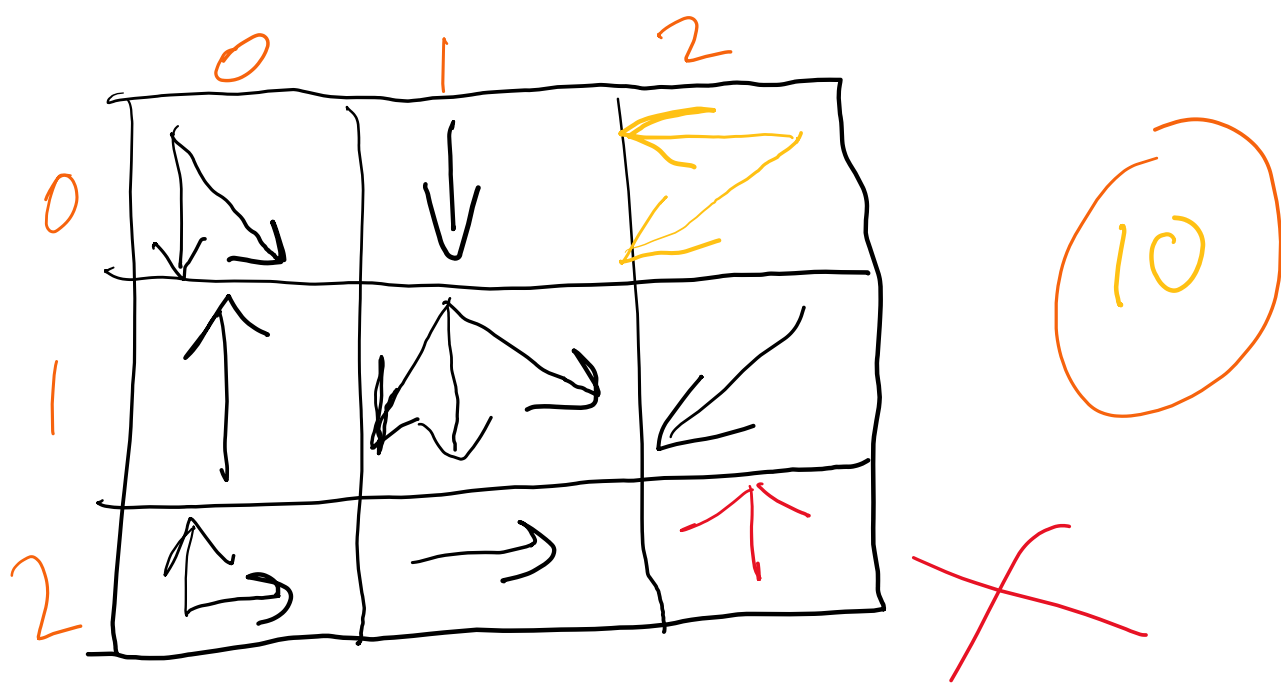


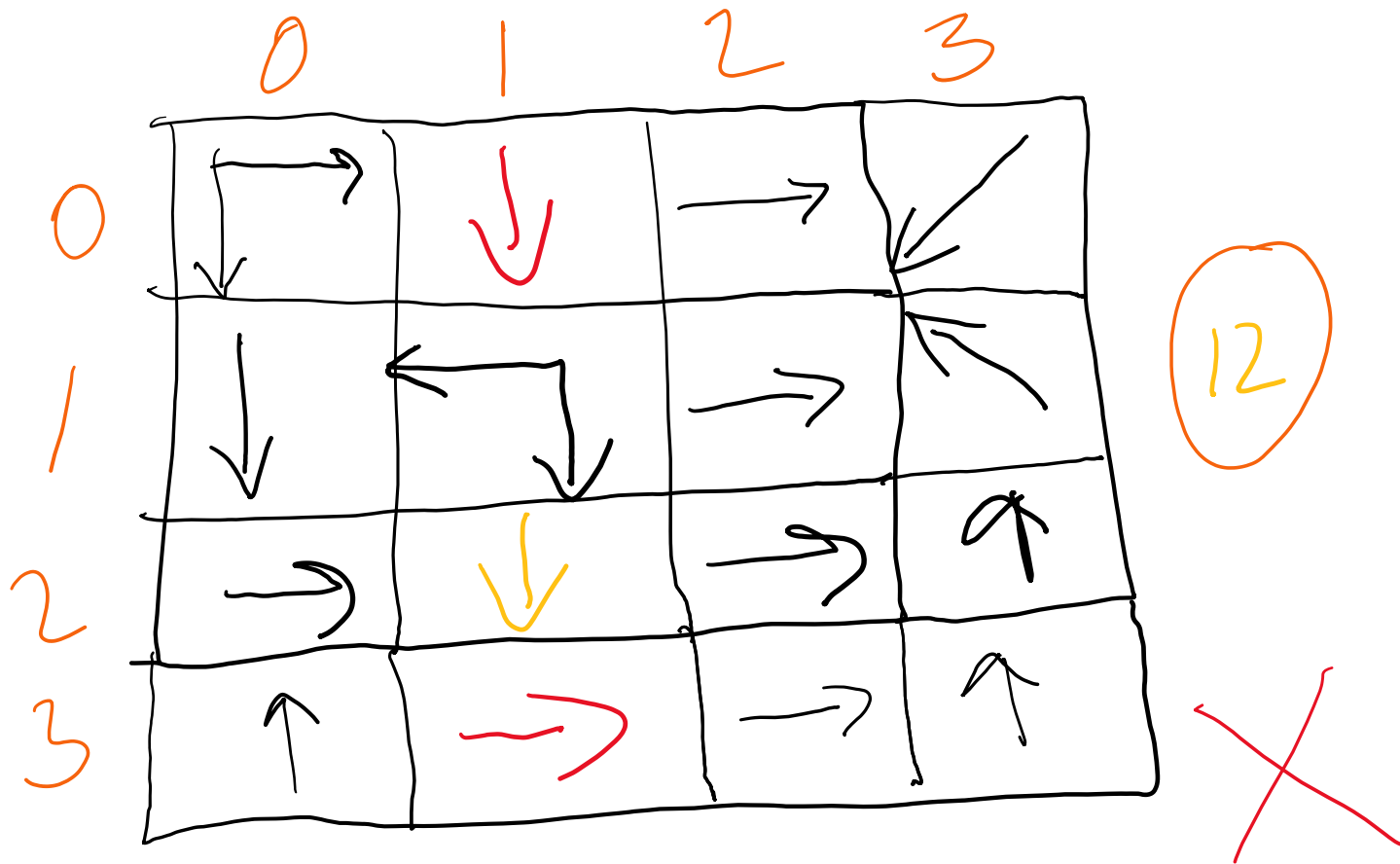
5











*****Hello World, I Solve Alice Mazes*****

solve alice maze 1

Goal Found

The shortest path is (0, 0) (0, 1)

The shortest path length is 1

solve alice maze 2

Goal Found

The shortest path is (0, 0) (1, 1) (0, 1)

The shortest path length is 2

solve alice maze 3

Goal Found

The shortest path is (0, 0) (1, 1) (2, 2) (0, 2) (0, 1)

The shortest path length is 4

solve alice maze 4

Goal Found

The shortest path is (0, 0) (1, 0) (2, 1) (0, 1)

The shortest path length is 3

solve alice maze 5

Goal Found

The shortest path is (0, 0) (1, 1) (2, 1) (0, 1)

The shortest path length is 3

solve alice maze 6

Goal Found

The shortest path is (0, 0) (0, 1) (1, 1) (2, 2) (2, 3) (1, 3)

The shortest path length is 5

solve alice maze 7

Goal Found

The shortest path is (0, 0) (1, 0) (2, 0) (2, 1) (3, 1) (3, 2) (3, 3) (2, 3) (1, 3)

The shortest path length is 8

solve alice maze 8

Goal Found

The shortest path is (0, 0) (0, 1) (1, 1) (1, 3)

The shortest path length is 3

solve alice maze 9

Goal Found

The shortest path is (0, 0) (0, 1) (2, 1) (3, 1) (3, 3) (1, 3)

The shortest path length is 5

solve alice maze 10

Destination is not found

solve alice maze 11

Destination is not found

solve alice maze 12

Destination is not found