



Matrix DFS

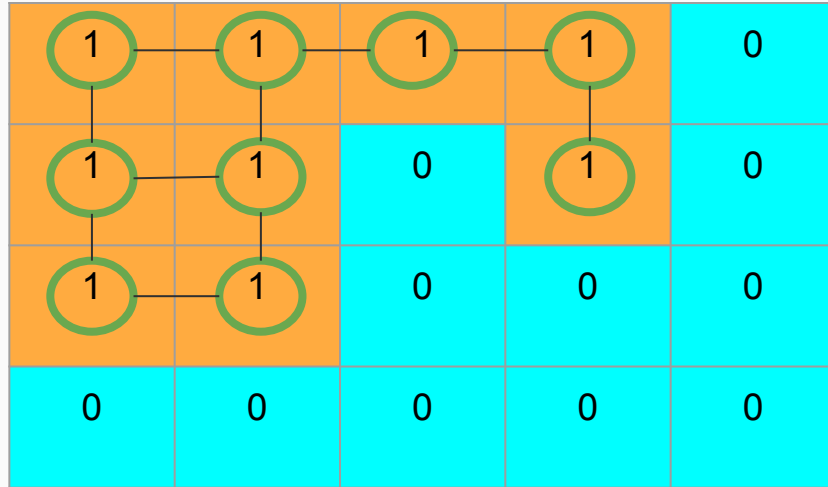


Matrix DFS

- Matrix DFS is similar to binary tree DFS with a few minor changes
 - Instead of recursively calling on 2 paths (left and right), we must call 4 directions (up, down, left, right)
 - With graphs, we must ensure that we do not re-visit visited nodes.
 - One way we can solve this is by tracking visited nodes in a “visited set”.
 - We must ensure that we do not go out of bounds.
- Demo: [Number of Islands](#)



Number of Islands



Questions?



Let's practice!

- Review
 - [Max Area of Island](#)
 - [Pacific Atlantic Water Flow](#)
- Bonus
 - [Number of Closed Islands](#)

