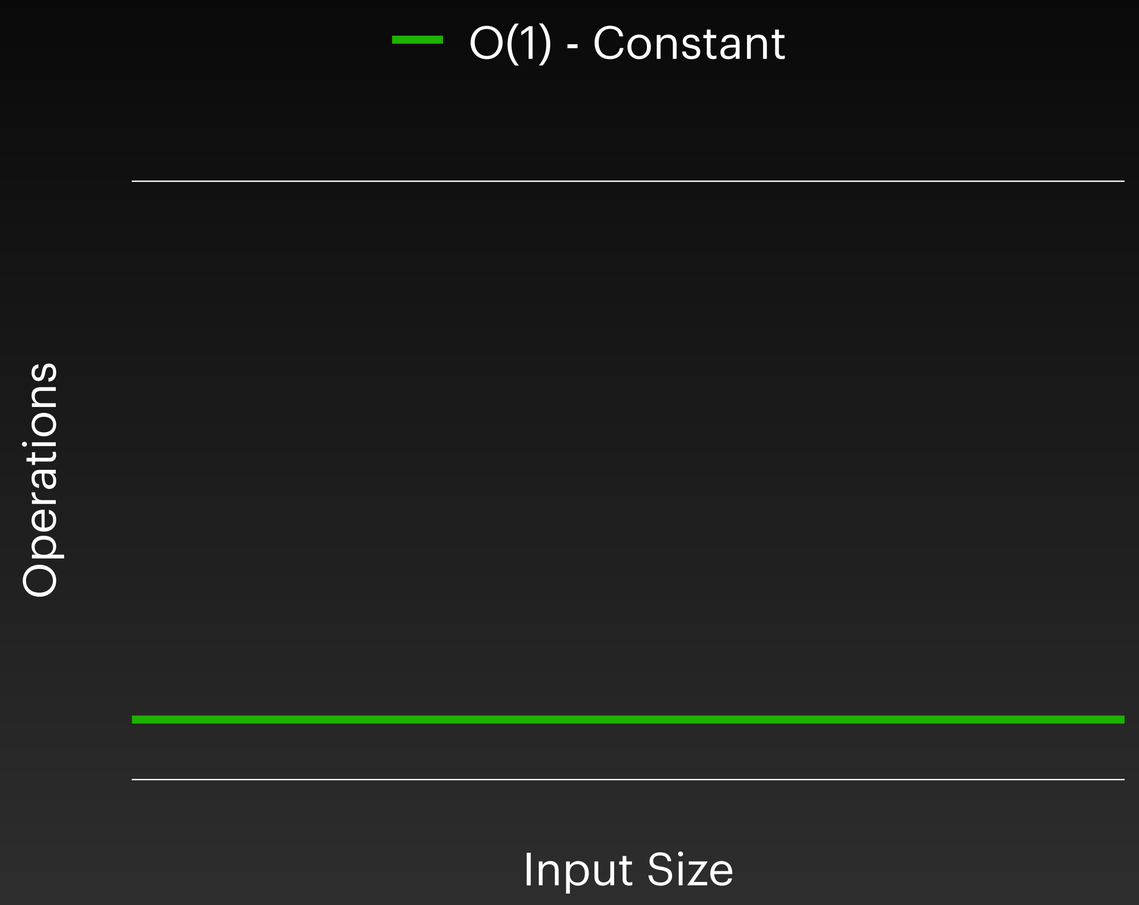
O(1)

The big idea:

The input to the algorithm does not matter - the algorithm will still take the same amount of time to run.

O(1) is extremely efficient.



O(1) - Constant Complexity

Examples:

- Determine if a binary number is odd or even
- Access a given index in an array
- Adding or removing an element to a stack
- Adding or removing an element from a queue
- Physically delivering data on a storage device