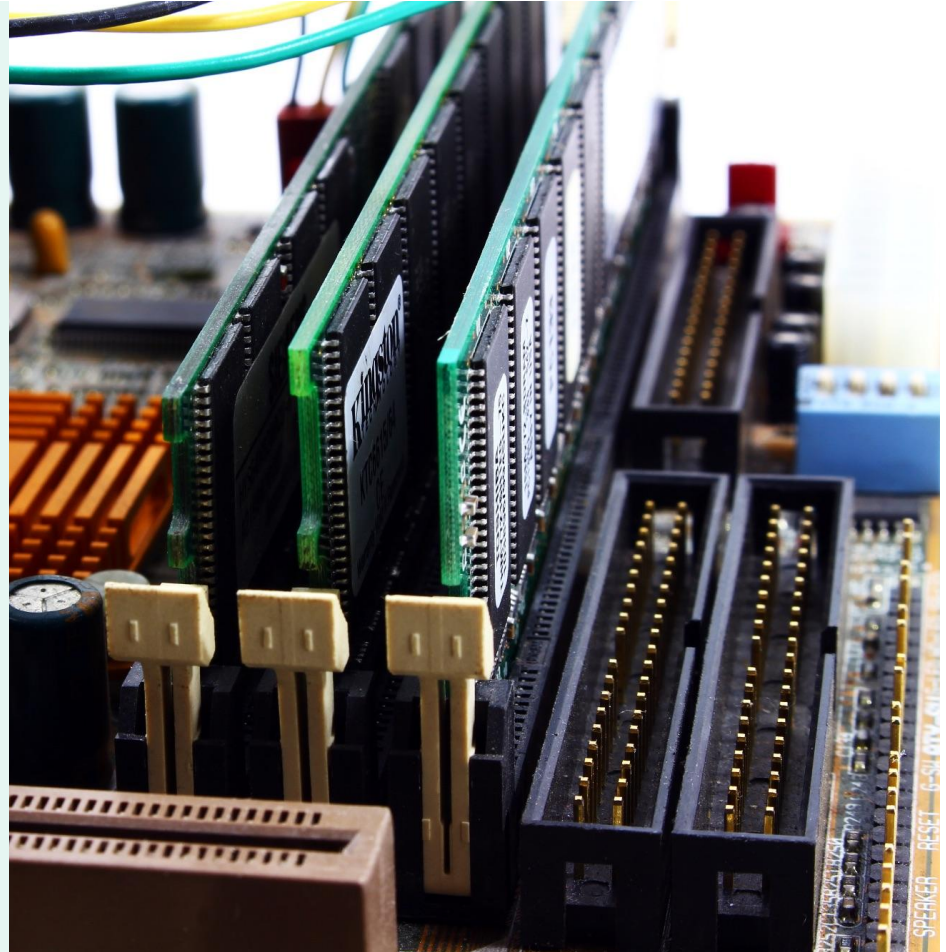


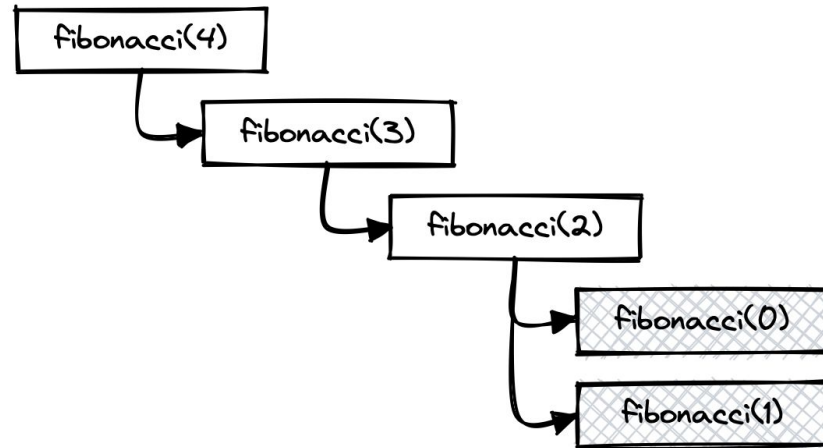
Space Complexity

By Pranjal Nadhani



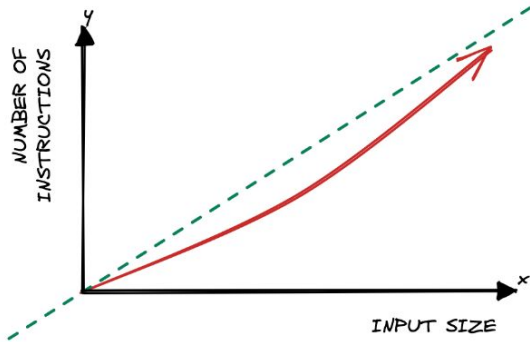
```
function printNLines(n) {  
  for (let i = 0; i < n; i++) {  
    console.log("Line", i + 1);  
  }  
}
```

```
function fibonacci(n) {  
  if (n <= 1) {  
    return 1;  
  }  
  
  return fibonacci(n - 2) + fibonacci(n - 1);  
}
```

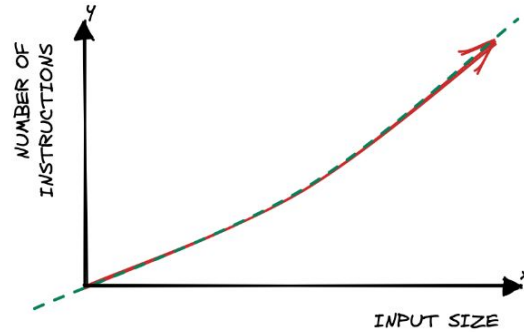


Asymptotic Notation - Recap

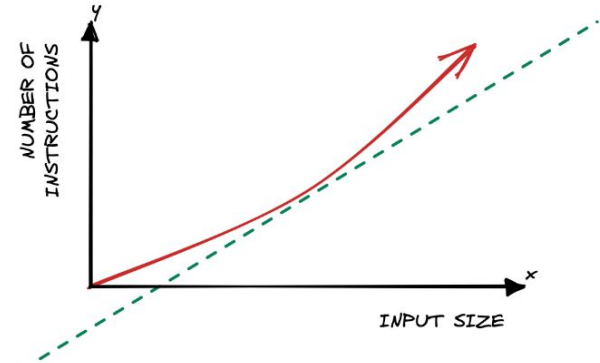
$O(n)$ -> ASYMPTOTIC UPPER BOUND

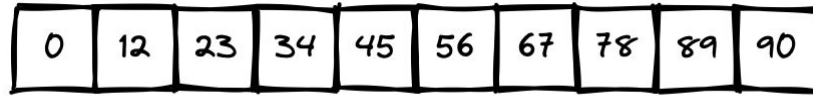


$\Theta(n)$ -> ASYMPTOTIC TIGHT BOUND



$\Omega(n)$ -> ASYMPTOTIC LOWER BOUND





$O(n)$

12	23	34
45	56	67
78	89	90

$$O(m \times n)$$