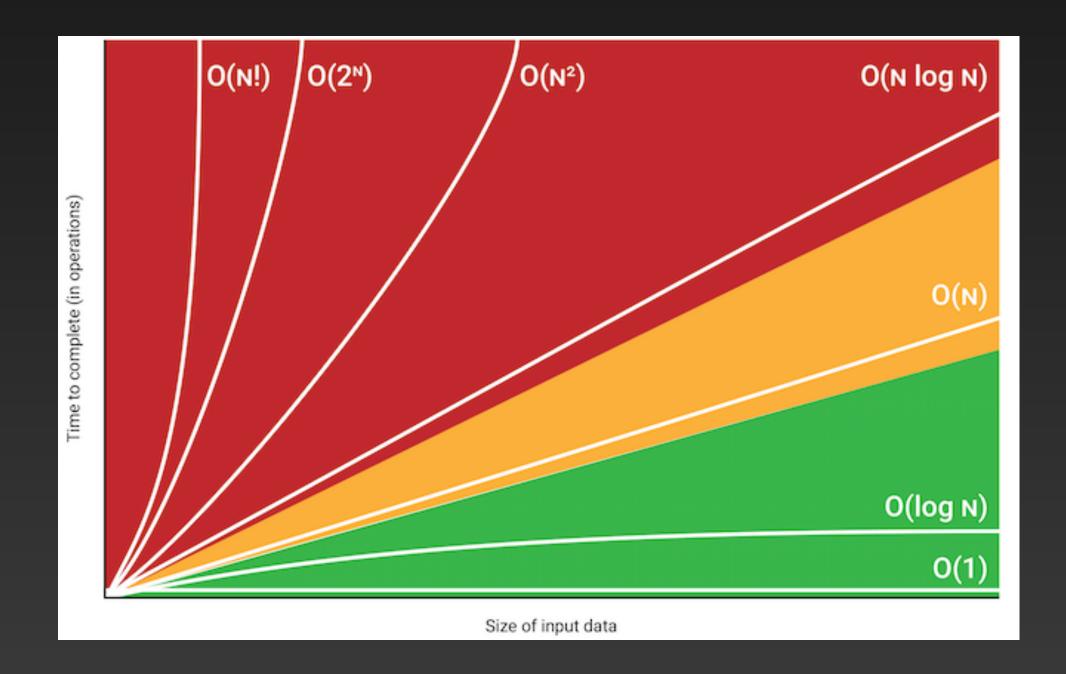
Dropping Non-Dominant Terms The big idea:

When calculating Big O we dispose of all but the most impactful terms. This previously used example of an O(N²) algorithm has an O(N) instruction appended to the end of it.

```
logArray([1,2,3,4,5])
function logArray(arr){
  for(let i=0; i<arr.length; i++){</pre>
    console.log(arr[i])
    for(let j=0; j<arr.length; j++){</pre>
      console.log('i: ', arr[i], 'j: ', arr[j])
  for(let i=0; i<arr.length; i++){</pre>
    console.log(arr[i])
```

This instruction will continue to become less relevant as the input array grows.

Keep this chart in mind:



```
logArray([1,2,3,4,5])
function logArray(arr){
  for(let i=0; i<arr.length; i++){</pre>
    console.log(arr[i])
    for(let j=0; j<arr.length; j++){</pre>
      console.log('i: ', arr[i], 'j: ', arr[j])
  for(let i=0; i<arr.length; i++){</pre>
    console.log(arr[i])
```