

## **Divide and Conquer:**

### **1. To recap, here's how D&C works:**

- a. Figure out a simple case as the base case.
  - i. Base case for arrays is when you have reached the beginning of the sequence, or if you are popping or shifting off elements, it's when there are not more elements.
  - ii. Base case for numbers is when a certain value is reached.
- b. Figure out how to reduce your problem and get to the base case.
  - i. To move to the base case for arrays you must increment/decrement the index, or pop or shift off elements.
  - ii. To move to the base case for numbers you must adjust the return value to the base case by performing some operation.