## 1

insertion sort 짜고 문제 풀기

## 2

최대 부분 배열문제 분할정복 코드를 짜고 문제 풀기

- 문제
- 문제

## 3

Use the following ideas to develop a nonrecursive, linear-time algorithm for the maximum-subarray problem. Start at the left end of the array, and progress toward the right, keeping track of the maximum subarray seen so far. Knowing a maximum subarray of$A[1..j]$, extend the answer to find a maximum subarray ending at index $j+1$ by using the following observation. a maximum subarray of$A[1..j+1]$ is either a maximum subarray of $A[1..j]$ or a subarray $A[i..j+1]$, for some $1 \leq i \leq j+1$. Determine a maximum subarray of the form $A[i..j+1]$ in constant time based on knowing a maximum subarray ending at index $j$.

최대 부분 배열 문제에대한 $\Theta(n)$ 알고리즘인 KADANE'S ALGORITHMS 을 찾아보고 코드로 짜서 문제를 풀어보기