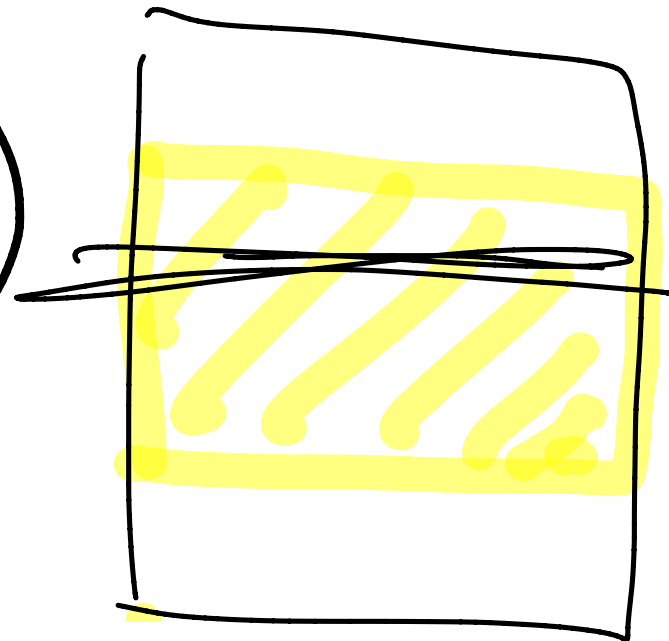
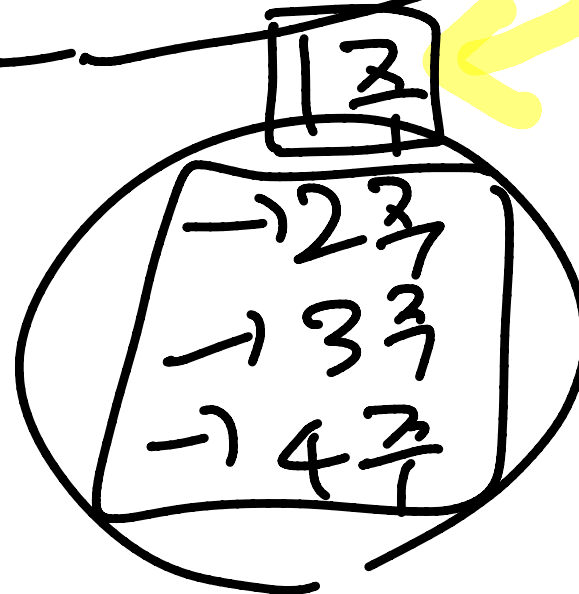


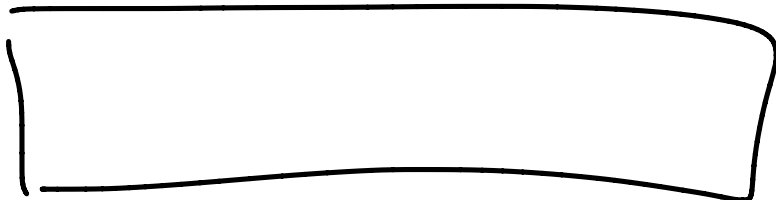
SW 5/2k  
7 6

DP, DFS, BFS

5/2k  
7 6



acmicpc.net > 2<sup>2</sup><sub>2</sub>

>  > 파일<sub>2</sub>

---

question, startlink, help

DP/DFS/BFS

$\frac{DP}{2} n$

이것이 크기

$\sim (1 \leq N \leq 10)$

$\frac{DP}{2} n$

$\frac{DP}{2} n$

$\frac{DP}{2} n$

$\frac{DP}{2} n$

$\frac{DP}{2} n$

$\frac{DP}{2} n$

시간복잡도

시간 제한 (1초) (2초)  
[문제] 제한

$O(N^2)$

$1 \leq N \leq 10,000$

(1초) = 1초  
(0.5초)  $\rightarrow$  1초

$O(N)$

$1 \leq N \leq (1000,000)$

$$\frac{O(N)}{O(N^2)}$$

$$\textcircled{N} \times \textcircled{N}$$

$$\textcircled{1} \textcircled{2} \dots \textcircled{N}$$

$$\times \dots \times$$

$$\frac{1/24 \ N^n}{1 \leq N \leq 20}$$

$$1 \leq N \leq 20$$

$$\rightarrow O(2^N)$$

$$\rightarrow \textcircled{O(N!)}$$

$$\begin{matrix} 1 & 2 & 3 \\ 3 & 2 & 1 \end{matrix}$$

$$\textcircled{1 \leq N \leq 10}$$

$$\textcircled{4^N}$$

$$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{8} \times \dots \times N$$

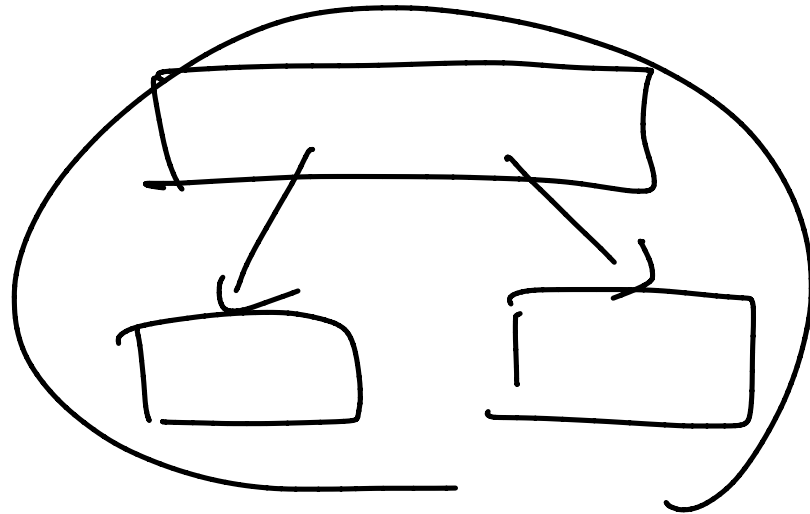
$$N! \leftarrow$$

$$2^{20} = 1048576$$

$$10! = 3628800$$

~~34~~

$O(N \lg N)$



$$k = \lg N$$

$$2^k = N$$

~~이진 탐색, 이진 트리, 이진 검색~~

Quick

Heap

Merge

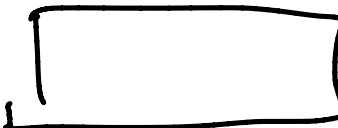
정렬

이진 탐색 (Binary Search)

Tree (이진 트리, BIT  
노드 ...)

시간 복잡도

① ← Butane / 2<sup>o</sup>인

② ← 

C++

Cin / Cout

scanf / printf

① endl x '\n'

② ios\_base::sync\_with\_stdio(false);  
Cin.tie(NULL)

Java  
Scanner

BufferedReader  
Writer

1 — 1000000

System.out.pr-

StringBuilder