

## 07. Sorting ( 10 )

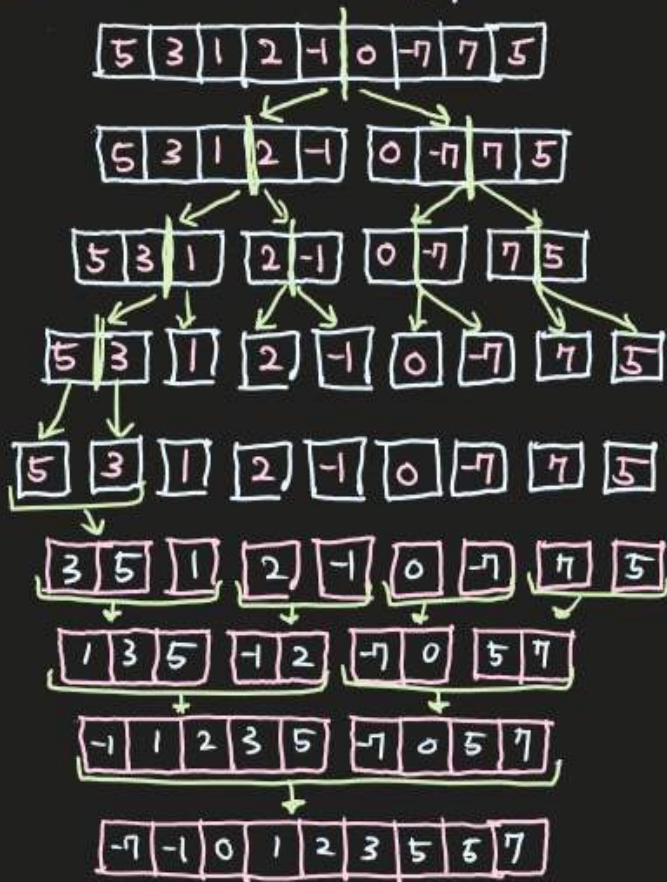
2014097056 심화컴퓨터공학 우성현

문제 1] rmergeSort() → non-decreasing order로 정렬

① in.txt 파일 입력 → element 배열의 i 부터 읽음.

② merge sort (a, link, l, n) → ③ merge → ④ 링크 따라들기.

```
↳ for (int curr = link[0]; curr != link[curr])  
    printf("%d", a[curr].data);
```



중력

	[0]	[1]							
link									
a	-	5	3	1	2	-1	0	-7	7

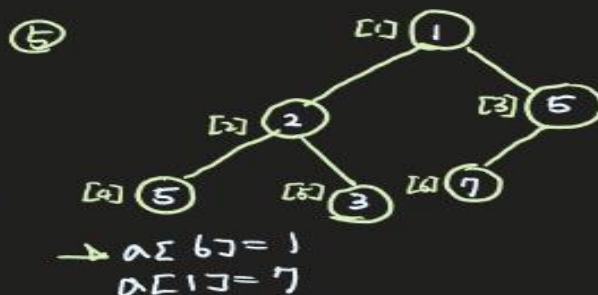
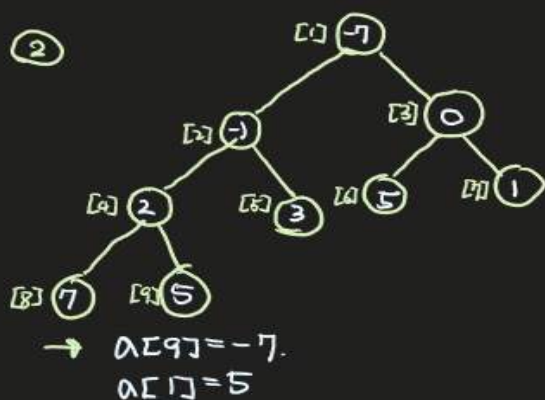
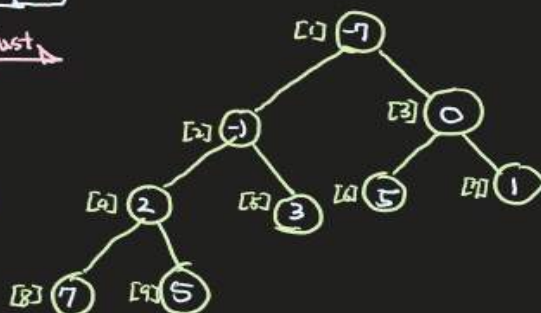
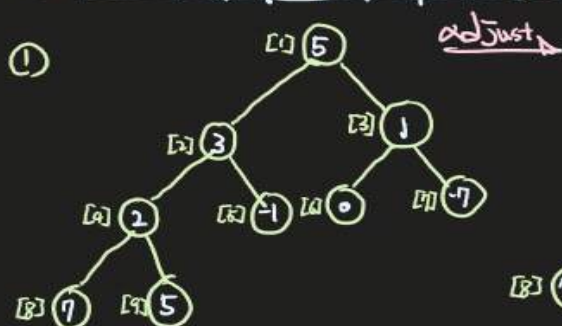
```
Microsoft Visual Studio 디버그 콘솔
-7 -1 0 1 2 3 5 7
C:\Users\Wshkk\Desktop\Progra
니다 (코드: 0개).
이 창을 닫으려면 아무 키나 누
```

문제 2] heapSort  $\rightarrow$  non-increasing order

Input list: 5 3 1 2 -1 0 -7 7 5

adjust  $\rightarrow$  max-heap  $\rightarrow$  min-heap

if (list[child].key > list[child+1].key)  
rootkey < list[child].key)



...  $\rightarrow$  끝  
( 출력 )

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```

7 5 5 3 2 1 0 -1 -7
C:\Users\wshkk\Desktop\Programmin
니다(코드: 0개).
이 창을 닫으려면 아무 키나 누르세
    
```