

Algorithm

Algorithm

Recursion

참조

Sort

합병 정렬 (Merge Sort)

참조

Radix Sort (기수 정렬)

참조

Search

Binary Search (이진 탐색)

참조

Dynamic Programming

```
private TreeSet<File> getSourceFiles(File srcDir) throws
FileNotFoundException {
    if (!srcDir.isFile() && srcDir.listFiles() == null)
        throw new FileNotFoundException("Not found source directory.");

    // 파일 이름순 정렬
    TreeSet<File> files = new TreeSet<File>(new Comparator<File>() {
        public int compare(File o1, File o2) {
            return o1.getPath().compareToIgnoreCase(o2.getPath());
        }
    });

    Stack<File> directories = new Stack<File>();
    directories.push(srcDir);
}
```

```
// DFS
while(!directories.isEmpty()) {
    File directory = directories.pop();

    for(File composite : directory.listFiles()) {
        if(composite.isDirectory()) {
            directories.push(composite);
        }
        else if(composite.isFile()) {
            files.add(composite);
        }
    }
}

return files;
}
```

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