

## ----- Hadoop Implementation -----

### Task 1

-----  
Gathered from Cloudera MapReduce Job History in seconds

Elapsed : 9

Map Time : 2

Reduce Time : 1

### Task 2

-----  
Gathered from Cloudera MapReduce Job History in seconds

Elapsed : 10

Map Time : 2

Reduce Time : 2

## ----- Spark Implementation -----

### Task 1

-----  
Gathered from time command

4.341 sec

### Task 2

-----  
Gathered from time command

4.875 sec