

1. Input:

The dog saw John in the park

The little bear saw the fine fat trout in the rocky brook.

a) Map Vs Flat Map

Map:

The
dog
saw
John
in
the
park

The
little
bear
saw
the
fine
fat
trout
in
the
rocky
brook

Flat Map

The
dog
saw
John
in
the
park
The
little
bear
saw
the
fine
trout
in
the
rocky
brook

b. Map Reduce :

The dog saw John in the park
The little bear saw the fine
fat trout in the rocky brook

The dog saw John
in the park

The little bear
saw the fine
fat trout in the
rocky brook

The, 2
dog, 1
saw, 1
John, 1
in, 1
park, 1

The, 3
little, 1
bear, 1
saw, 1
fine, 1
trout, 1
in, 1
rocky, 1
brook, 1

The, 2
The, 3
dog, 1
saw, 1
saw, 1
John, 1
in, 1
in, 1
park, 1
little, 1
bear, 1
fine, 1
trout, 1
rocky, 1
brook, 1

The, 5
dog, 1
saw, 2
John, 1
in, 2
park, 1
little, 1
bear, 1
fine, 1
trout, 1
rocky, 1
brook, 1

The, 5
dog, 1
saw, 2
John, 1
in, 2
park, 1
little, 1
bear, 1
fine, 1
trout, 1
rocky, 1
brook, 1

Input
Splitting
Mapping
Shuffling
Reducing
Final result

Group by starting letter

