

Word Counting: Reduce Function

Map Output

<Hello,1>
<World,1>
<Bye,1>
<World,1>

<Hello,1>
<Hadoop,1>
<Bye,1>
<Hadoop,1>
...

After internal grouping

<Bye → 1, 1, 1>

<Hadoop → 1, 1, 1, 1>

<Hello → 1, 1, 1>

Reduce(K, V[])

Reduce(K, V[])

Reduce(K, V[])

Output

<Bye, 3>

<Hadoop, 4>

<Hello, 3>

Reduce(K, V[])

```
{ Int count = 0; For each v in V, count += v; Collect(K, count); }
```