

Add WeChat powcoder

Project 1 Proposal – Basic

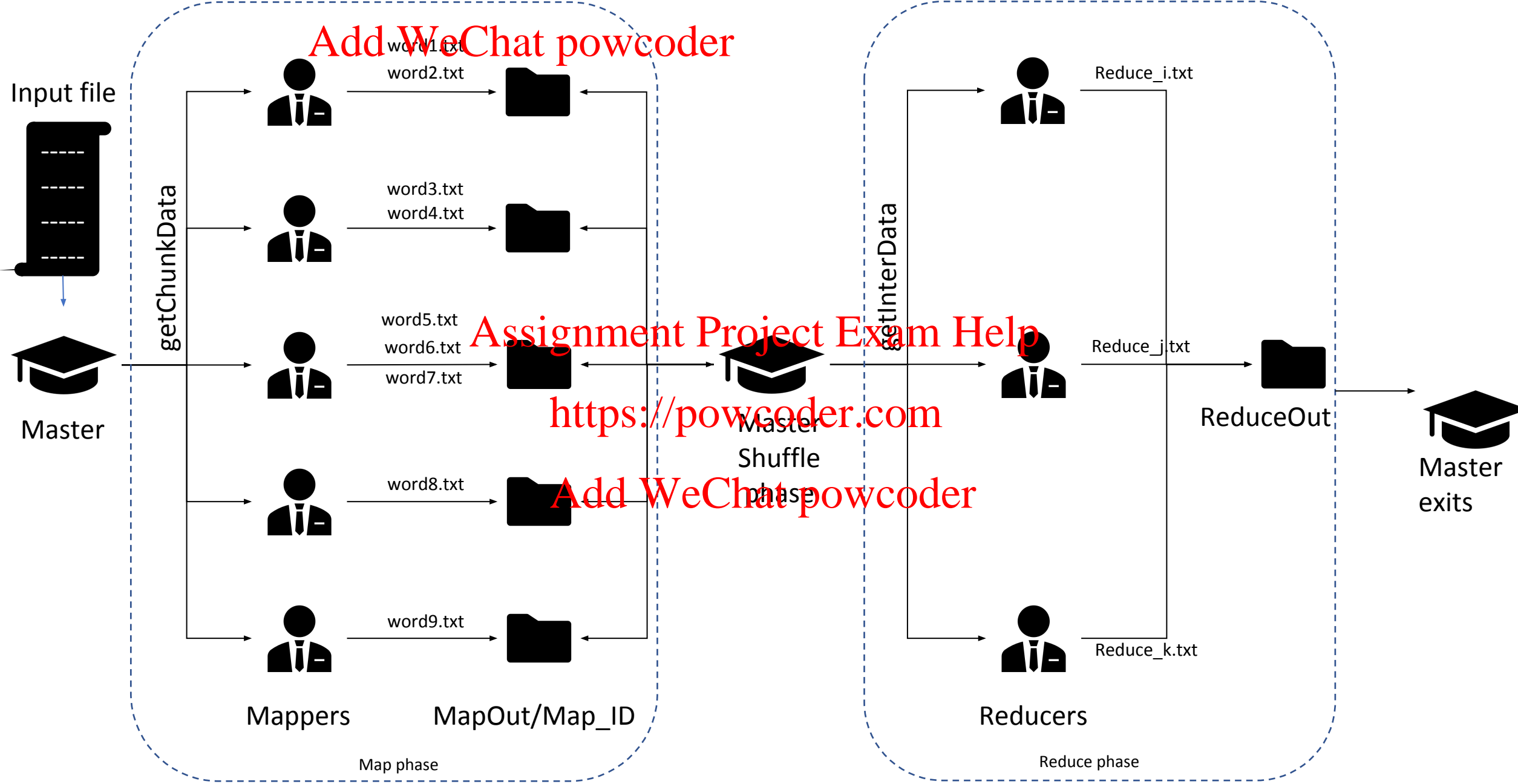
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Map Reduce

<https://powcoder.com>

CSci 4061

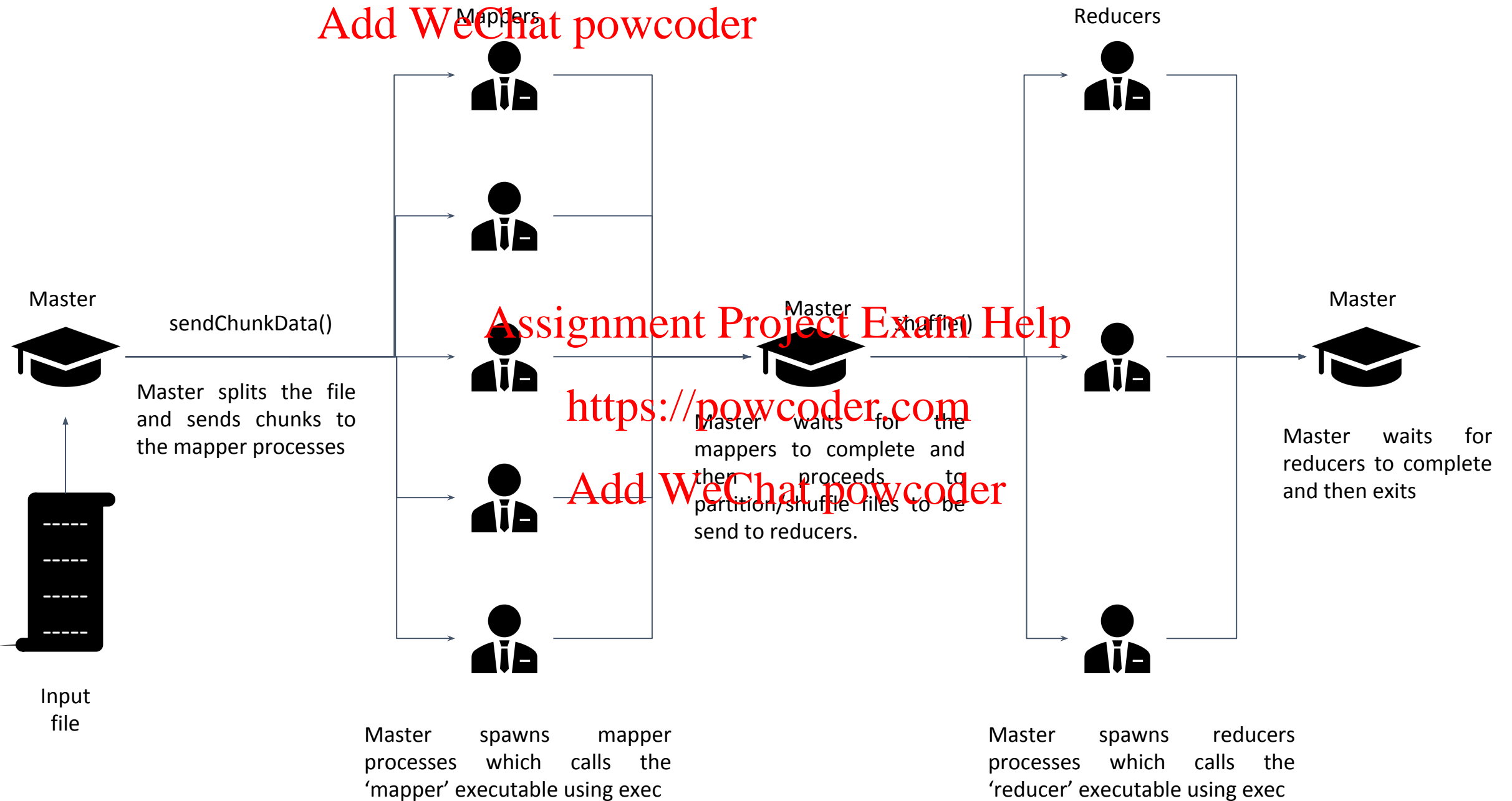
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Project 1 Overview

Add WeChat

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Master phase

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Once a chunk is processed
move to next chunk

chunk = getChunkData()

map(chunk){
getWord(chunk) in
loop
}



Mapper

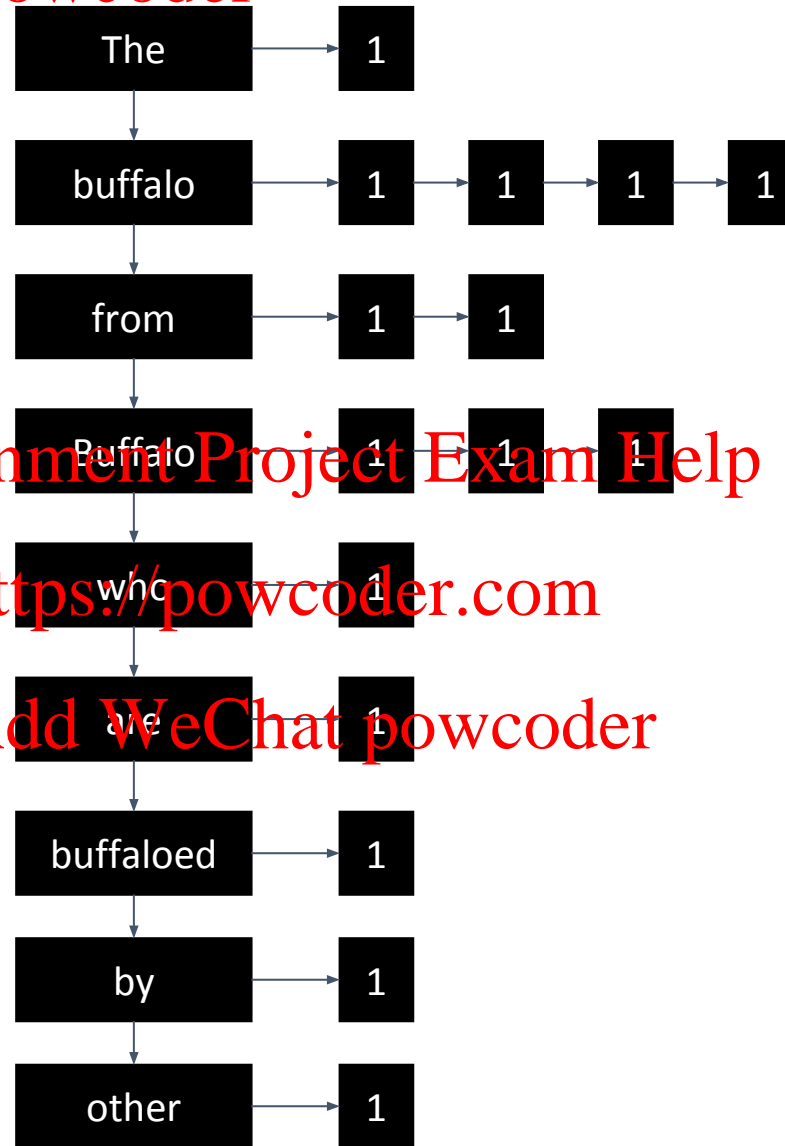
The buffalo from
Buffalo who are
buffaloed by
buffalo. Buffalo,
buffalo other
buffalo from
Buffalo

Example: One chunk

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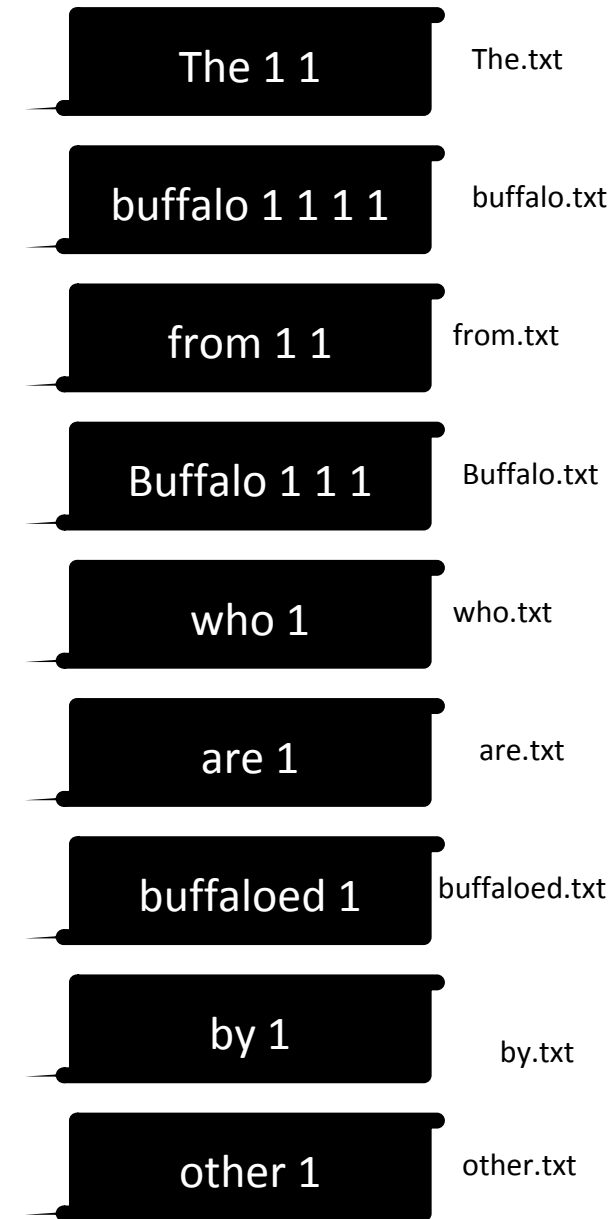
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Intermediate data structure

Map phase

writeIntermediateDS()



Stored in output/MapOut/Map_mapperID
folder

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once the key file is
processed move to
the next key

key = getInterData()
key: path of word.txt
file

buffalo 1 1 1 1

buffalo 1 1 1 1 1 1

are 1

other 1

Reducer

reduce(key)

buffalo

10

are

1

other

1

Intermediate data
structure

writeFinalDS()

buffalo 10
are 1
other 1
.
.
.

output/ReduceOut/Reducer_red
ucerID.txt

Different word.txt
files (key) sent to this
reducer

Reduce phase

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