master node

assign

input data

split 1
split 2
split 3
split 4
split 5
split 6

...

split n

worker node 1

worker node 2

worker node 3

...

| a-f | g-p | q-z |

| a-f | g-p | q-z |

| a-f | g-p | q-z |

...

segment files

worker node 2

worker node 3

...

a-f

g-p

...

postings