

INPUT <key, value>: list



Map 1

- Input: <K₁₁, V₁₁>
- Output:<K'11,V'11>,...,
<K'1n,V'1n>

Map 2

- Input: <K₂₁, V₂₁>
- Output:<K'21,V'21>,...,
<K'2n,V'2n>

Map 3

- Input: <K₃₁, V₃₁>
- Output:<K'31,V'31>,...,
<K'3n,V'3n>

INTERMEDIATE <key, value:list>: list



Reduce 1

- Input: <K'11, V'11:list>
- Output:<K''11,V''11>,...,
<K''1n,V''1n>

Reduce 2

- Input: <K'21, V'21:list>
- Output:<K''21,V''21>,...,
<K''2n,V''2n>



OUTPUT value: list