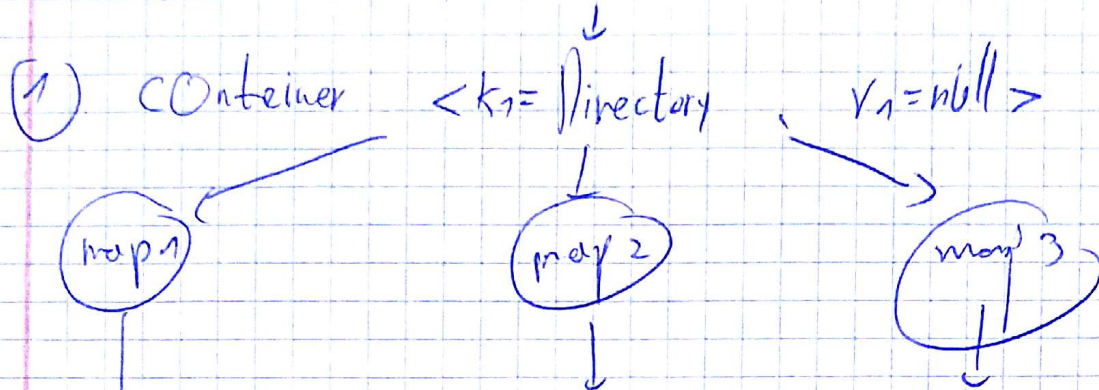


input

start map/reduce line



$\langle k_2 = \text{file name}, v_2 = 1 \rangle$

Shuffle

Container $\langle k_3 = \text{file name}, v_2 = 1, 1, 1 \rangle$ (sorted)

reduce 1

reduce 2

reduce 3

$k_2 = \text{file name}, v_2 = \text{Counter}$

$k_2 = \text{file name}, v_2 = \text{Counter}$

Final output

$\langle k_3 = \text{file name}, v_3 = \text{Counter} \rangle$

output