cut -f5,6,9,19,20,22 weibo.top10wan | sort -k3,3 | uniq > ../homework7/weibo.file

cat weibo.file | awk -F "\t" '{

if($4!=""){

str=$1" "$4

arr[str]++;

}}

END{

for(key in arr){

if(flag[key]==1) {

continue;

}

split(key,output," ")

if(output[1]==output[2]) {

continue;

}

key2=output[2]" "output[1]

if(arr[key] < arr[key2]) {

min=arr[key]

}

else {

min=arr[key2]

}

if(min!=0){

ans[key]=min\*2

}

flag[key]=1;

flag[key2]=1;

# print arr[key],arr[key2]

# print output[1],output[2]

# print key,arr[key]

}

for(key in ans) {

print key,ans[key]

}

}' | sort -k3,3nr | head -100