```bash
#!/bin/bash
#-------------------------------------
###########TESTS##########
#-------------------------------------
if [ "$#" -ne "4" ]
then
    echo "Wrong number of arguments"
    echo "./ScriptABC file.dat file.reftableHeader n_jobs
n_iter_per_job"
    exit
fi
if [ ! -e diyabc_sim ]
then
    echo "Executable file diyabc_sim missing"
    exit
fi
if [ ! -e $1 ]
then
    echo "Data file " $1 " missing or bad written"
    exit
fi
if [ ! -e $2 ]
then
    echo "Reference table header file " $2 " missing or bad
written"
    exit
fi
if [ ! "$(echo $3 | grep "^[[:digit:]]*$")" ]
then
    echo $3 " is not a number"
    exit
fi
if [ ! "$(echo $4 | grep "^[[:digit:]]*$")" ]
then
    echo $4 " is not a number"
    exit
fi
#-------------------------------------
##########VARIABLES##########
#-------------------------------------
njob=$3
niter_intra_job=$4
output_dir_name=output2
aux_script=./clusaux
rep=`pwd`
#-------------------------------------
##########AUX SCRIPT##########
#-------------------------------------
mkdir $output_dir_name
echo 'mkdir /tmp/travail$$' > $aux_script
echo 'cp ./diyabc_sim /tmp/travail$$' >> $aux_script
echo 'cp ' $1 ' /tmp/travail$$' >> $aux_script
echo 'cp ' $2 ' /tmp/travail$$' >> $aux_script
echo 'cd /tmp/travail$$' >> $aux_script
echo './diyabc_sim '${2%.[^.]*}' $1 $2' >> $aux_script
echo 'cp *.reftable '$rep'/'$output_dir_name'/.' >> $aux_script
echo 'cd /tmp' >> $aux_script
echo 'rm -rf travail$$' >> $aux_script
#-------------------------------------
##########SEND TO CLUSTER##########
#-------------------------------------
for (( j=1; j<=$njob; j++))
do
qsub -cwd $aux_script $j $niter_intra_job
done
#-------------------------------------
##########CLEANING##########
#-------------------------------------
rm -rf $aux_script
```