

```
#!/bin/sh
#batch.pi_est
#
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#
#this is used to test both parts of hw2
#
# This script requires command line args
# that are passed as environment variables:
#   qsub -v EXEC_NAME=primes,NPROCS=2,INPUT=100000, batch.hw2_2
#PBS -V
#PBS -l nodes=node4:ppn=4:core4
#PBS -N $EXEC_NAME
#PBS -joe
#PBS -q batch

cd $PBS_O_WORKDIR
NNCORES=`wc -w < $PBS_NODEFILE`
echo -----
echo -n "$EXEC_NAME requesting $NNCORES cores.."
echo "but only using $NPROCS cores"
#cat $PBS_NODEFILE
date
mpirun -np $NPROCS -hostfile $PBS_NODEFILE --nooversubscribe ./$EXEC_NAME $INPUT
date
echo -----
```