

פתרון תרגיל בית מספר 6 (סמסטר חורף 2014)

להלן תוכן 6 הקבצים P6.1-P6.6.

P6.1

```
cat $@ | tr -s " " "\n" | sort | uniq -c | egrep -o ".*[3-5][ ]" | wc -l
```

P6.2

```
tav=$(echo $1 | egrep -o ..$|cut -c1)
echo $1 | egrep -o $tav |wc -l
```

P6.3

```
char=$(echo $1 | wc -L)
count=0
while [ $count -lt $char ]
do
    count=$((count+1))
    echo $1 |cut -c$count
done>|temp
cat temp |uniq -c |sort -n | tail -1 | tr -s " " | cut -d " " -f2
```

P6.4

```
echo -n "">|tmp
echo $(cat $@) | tr " " "\n" | sort | uniq -c | sort -n | tail -1|\
tr -s " " | cut -d " " -f2>|temp
x=$(cat temp)
echo $(cat $@) | tr " " "\n" | sort | uniq -c|sort -n -r >|temp
while read z
do
    if [ $x -eq $(echo $z | cut -d " " -f1) ]
    then
        echo $(echo $z | cut -d " " -f2)>>tmp
    fi
done < temp
echo $(cat tmp) | tr -s " " ", "
```

P6.5

```
while [ $# -ge 1 ]
do
    tav=$(wc -l $1|cut -d " " -f2)
    line=$(echo $(cat $1) | tr -s " " "\n" | sort | uniq -c |wc -l)
    maxS=$(echo $(cat $1) | tr -s " " "\n" | uniq -c |sort -n|tail -1|\
        cut -d " " -f7)
    echo $tav $line $maxS
    shift
done
```

P6.6

```
while [ $# -ge 1 ]
do
    echo $1 | egrep "^(([0-9])\3([a-z])\4+)\1$"
    shift
done
```