

פתרון תרגיל בית מספר 7 (סמסטר חורף 2014)

להלן תוכן 5 הקבצים P7.1-P7.5.

P7.1

```
i=$1
shift
j=$1
shift
i=${i-1}
j=${j-1}
for str in $@
do
    echo "$str" | egrep "^(.+)\1{$i,$j}$"
done
```

P7.2

```
echo -n ">">temp
len=$1
shift
file=$1
shift
for x in $(cat $file)
do
    goodword=1
    for char in $@
    do
        if [ $(echo $x | egrep -o $char |wc -l) -ne $len ]
        then
            goodword=0
            break
        fi
    done
    if [ $goodword -eq 1 ]
    then
        echo $x>>temp
    fi
done
sort -u temp
```

P7.3

```
echo 'x=$(head -2 $1 |wc -l)' >| line2
echo 'if [ $x -gt 1 ]' >> line2
echo 'then'>>line2
echo 'head -2 $1 | tail -1' >> line2
echo 'fi' >> line2
chmod u+x line2
```

```
echo -n "">|temp1
file=$1
shift
string=$1
shift
for fname in $@
do
  find $file -type f -name $fname -exec line2 {} \;>|temp
  count=$(egrep -c "$string" temp)
  i=$(echo $fname $count)
  echo $i>>temp1
done
sort temp1
```

P7.4

```
sum=0
string=$(echo $1 | egrep -o . | tr "\n" " ")
for char in $string
do
    sum=$((sum+(P7.3 $char))
done
echo $sum
```

P7.5

```
echo -n "">|temp
len=$(echo $@ | egrep -o ".* -dirs" | wc -L)
strs=$(echo $@ | egrep -o ".* -dirs" | cut -c1-$(len-6))
files=$(echo $@ | cut -c$(len+2)-)
for str in $strs
do
    echo $str>|temp
    goodword=1
    for fname in $files
    do
        find $fname -type f >| tmp
        for x in $(cat tmp)
        do
            echo -n "" >|file
            for y in $(cat $x)
            do
                echo $y >> file
            done
            x=$(egrep -l "^$str$" file |wc -l)
            sum=$((sum+$x))
        done
    done
    echo $sum>>temp

    if [ $sum -eq 0 ]
    then
        goodword=0
    fi
    sum=0
done
if [ $goodword -eq 0 ]
then
    y=$(xargs -a temp)
    echo $y NOTALL
else
    z=$(xargs -a temp)
    echo $z ALL
fi
done
```