

פתרון תרגיל בית מספר 4 (סמסטר חורף 2014)

להלן תוכן 4 הקבצים P4.1-P4.5.

P4.1

```
read x
i=$(echo $x|cut -d " " -f1)
s=$(echo $x|cut -d " " -f2)
j=$(echo $x|cut -d " " -f3)
a=$i
  if [ $i -ge $j ]
  then
while [ $i -ge $j ]
do

    i=${i+$s}
    if [ $i -ge $j ]
    then
        a="$a@@$i"
    fi
done
else
  while [ $i -le $j ]
do
    i=${i+$s}
    if [ $i -le $j ]
    then
        a="$a@@$i"
    fi
done
fi
echo $a
```

P4.2

```
ls>|fname
sum=0
maxline=-1
while read fname
do
  if [ -f $fname ]
  then
    lenght=$(wc -l<$fname)
    sum=$((sum+lenght))
    if [ $maxline -le $lenght ]
    then
      maxline=$lenght
      maxfile=$fname
    fi
  fi
done<fname
echo $maxfile::$maxline
echo $sum
```

P4.3

```
echo -n "" >| temp
read file
while read x
do
  echo $x>>temp
  z=$(sort -n temp | tr "\n" ",")
done
a=$(cut -c$z $file)

echo "$a"
```

P4.4

```
sum=0
echo -n "">|tmp
read x
file=$(echo $x|cut -d " " -f1)
i=$(echo $x|cut -d " " -f2)
j=$(echo $x|cut -d " " -f3)
k=$(echo $x|cut -d " " -f4)
l=$(echo $x|cut -d " " -f5)
y=$(cut -d " " -f$i-$j $file)
echo "$y">|tmp
head -$l tmp>|tmp1
tail -${$l-$k+1} tmp1>|tmp
b=$(tr " " "\n" <tmp)
for num in $(echo $b)
do
    sum=$((sum+num))
done
echo $sum
```

P4.5

```
read file
y=$(wc -l <$file)
x=1
while [ $y -ge 1 ]
do
    head -$x $file>|Temp
    z=$((tail -1 Temp | wc -c) - 1)
    t=$(tail -1 Temp)
    x=$((x+1))
    y=$((y-1))
    echo $z%%$t
done
```