

פתרון תרגיל בית מספר 5 (סמסטר חורף 2014)

להלן תוכן 5 הקבצים P5.1-P5.5.

P5.1

```
read x
echo $x>|file
tr " " "\n" <file|sort >|files

while read files
do
  if [ -f $files ]
  then
    sum=0
    a=$(cat $files | tr -s " " "\n")
    echo "$a">|temp
    y=$(wc -l <temp)
    while [ $y -ge 1 ]
    do
      head -$y temp >|tmp
      z=$(tail -1 tmp)
      sum=$((sum+z))
      y=$((y-1))
    done
    echo $files $sum
  fi
done < files
```

P5.2

```
echo -n "">|temp
sum=0
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)
while read z
do
  echo $z>>temp
done<$file
y=$(cut -d " " -f$i,$j,$k temp | tr " " "\n")
for num in $(echo $y)
do
  sum=$((sum+num))
done
echo "$sum"
```

P5.3

```
read file
c=1
sum=0
while read x
do
  echo $x>|temp
  z=$(tr -s " " "\n" <temp)

  for y in $(echo $z)
  do
    sum=$((sum+$y))
  done
  m=$((sum*$c))
  echo $m
  c=$((c+1))
  sum=0
done <$file
```

P5.4

```
read file
maxline=0
c=0
tr -s " " "\n" <$file>|temp
length=$(wc -L<temp)
for x in $(cat temp)
do
  maxline=$((echo $x | wc -L))
  if [ $maxline -eq $length ]
  then
    c=$((c+1))
  fi
done
echo $length $c
```

P5.5

```
c=1
echo -n "">|temp
read file
while read x
do
    sum=${#x%2}
    if [ $sum -eq 1 ]
    then
        echo "$x">|temp
        tr 6-9 a-d<temp
    fi
    if [ $sum -eq 0 ]
    then
        echo "$x">|temp
        tr a-z A-Z<temp
    fi
    c=$((c+1))
done<$file
```