

פתרון תרגיל בית מספר 8 (סמסטר חורף 2015)

להלן תוכן 3 הקבצים P8.1-P8.3.

P8.1

```
echo -n >| P8.temp1
echo -n >| P8.temp2
for fName in $(echo $@ | cut -d" " -f4-)
do
    find $1 -type f -name $fName -exec echo {} \; >> P8.temp1
done
while read fName
do
    if [ $(wc -l < $fName) -ge $3 -a $(head -$3 $fName | tail -1 |
        egrep -c $2) -eq 1 ]
    then
        echo $fName | tr "/" "\n" | tail -1 >> P8.temp2
    fi
done < P8.temp1
for fName in $(echo $@ | cut -d" " -f4- | tr " " "\n" | sort)
do
    echo -n "$fName "
    egrep $fName -c P8.temp2
done
```

P8.2

```
echo -n >| P8.temp1
echo -n >| P8.temp2
echo -n >| P8.temp3
echo -n >| P8.temp4
echo -n >| P8.temp5
find $1 -type f -exec echo {} \; >> P8.temp1
while read fName
do
    echo $fName | tr "/" "\n" | tail -1 >> P8.temp2
done < P8.temp1
sort P8.temp2 | uniq -d >| P8.temp1

find $2 -type f -exec echo {} \; >> P8.temp3
while read fName
do
    echo $fName | tr "/" "\n" | tail -1 >> P8.temp4
done < P8.temp3
sort P8.temp4 | uniq -d >| P8.temp3
while read fName
do
    if [ $(egrep -c ^$fName$ P8.temp3) -eq 0 ]
    then
        echo $fName >> P8.temp5
    fi
done < P8.temp1

sort P8.temp5
```

P8.3

```
echo -n >| P8.temp1
echo -n >| P8.temp2
echo -n >| P8.temp3

while [ $1 != -dirs ]
do
    echo $1 >> P8.temp1
    shift
done

shift

while read str
do
    echo -n $str" "
    for dir in $@
    do
        find $dir -type f -exec echo {} \; >> P8.temp2
        find $dir -type f -exec egrep -l "^$str$|^$str[ ]+|[ ]+$str[ ]+|[ ]+$str$" {} \; >> P8.temp3
        echo -n $dir | tr "/" "\n" | tail -1
        echo -n " "
        echo -n $[ $(wc -l < P8.temp2) - $(wc -l < P8.temp3) ]" "
        echo -n >| P8.temp2
        echo -n >| P8.temp3
    done
    echo
done < P8.temp1
```