[SOP] Ćwiczenia IV:

▼ **Skrypt 1:**

```bash
#!/bin/bash

k="kot" #cat
p="pies" #dog
l="lis" #fox

for a in $@
do
if [ $a = $k ]
then
echo "$k robi miau miau"
#echo "$k goes mew mew"
elif [ $a = $p ]
then
echo "$p robi hau hau"
#echo "$p goes bark bark"
elif [ $a = $l ]
then
echo "$l robi ring-ding-ding"
#echo "$l goes ring-ding-ding"
else
echo "obslugiwane zwierzeta to $k, $p, $l"
#echo "recognized animals are $k, $p, $l"
fi
done
```

▼ **Skrypt 2:**

```bash
#!/bin/bash

for f in *.txt
do
    c=$(wc -l < $f)
    if [ $c -gt 10 ]
    then
        rm $f
    fi
done
```

▼ **Skrypt 3:**

```bash
#!/bin/bash

files=$(find ./ -type f -name 't*.txt')
for f in $files
```

```bash
do
    mv $f $1 2>> errors.txt
done
```

▼ **Skrypt 4:**

```bash
#!/bin/bash

lines=$(egrep "^c" $1)
biggest=0
while read -r l
do
    chars=$(echo $l | wc -m)
    if [ $chars -ge $biggest ]
    then
        biggest=$chars
        line=$l
    fi
done <<< "$lines"
echo $line
echo $line >> $2
```

▼ **Skrypt 5:**

```bash
#!/bin/bash

for f in ~/*.log
do
    lines=$(wc -l < $f)
    if [ $lines -gt 10 ]
    then
        echo "$(tail $f)" > $f
        echo "plik $f został zredukowany do 10 linii"
        #echo "file $f was reduced"
    else
        echo "w pliku $f jest zbyt mało linii by zredukować"
        #echo "Too few lines in the file $f to reduce"
    fi
done
```

▼ **Skrypt 6:**

```bash
#!/bin/bash

i=0
for f in $(ls)
do
    if [ $i -eq 0 ]
    then
        last=$f
```

```
                ((i+=1))
        elif [ $f -nt $last ]
        then
            last=$f
        fi
    done
    echo $last
```

▼ **Skrypt 7:**

```
#!/bin/bash
sum=0
for file in ~/*.txt
do
    if [ ! -r  $file ]
    then
        chmod u+r $file
    fi

    num=$(head -8 $file | tail -4 | sort | uniq | wc -m)
    ((sum+=$num))
done
echo $sum
```

▼ **Skrypt 8:**

```
#!/bin/bash

if [ -f $1 ]
then
    lines=$(head -4 $1 | tail -3)
    for i in $(seq 0 $(($(echo "$lines" | wc -m) - 1)))
    do
        char="${lines:i:1}"
        echo "Position $i: $char"
    done
else
    echo "It is not a regular file"
fi
```