

```
-----  
p1  
-----  
{ nc = nc + length($0) + 1  
  nw = nw + NF  
}  
END {print NR, "lines", nw, "words", nc, "chars"}
```

```
-----  
p2  
-----  
BEGIN {i=1}  
{ if (FILENAME != ARGV[i]) {  
  print ARGV[i], nc, "chars"  
  nc=0; i++  
}  
}  
{ nc = nc + length($0) + 1 }  
END {  
  print ARGV[i], nc, "chars"  
}
```

```
-----  
p3  
-----  
BEGIN { i= ARGV[1]; j= ARGV[2]; ARGV[1] = ""; ARGV[2] = "" }  
  
(FNR >= i) && (FNR <= j) { print FILENAME, FNR ":", $0 }
```

p4

```
{
if (NF > max_nf) {
  max_nf = NF
}
for (i=1 ; i <= NF ; i++ ) {
  if (length($i) > A[i] ) {
    A[i] = length($i)
  }
}
}
END { i=1
  while (i <= max_nf) {
    s = s " " A[i]
    i++
  }
  s = substr(s,2)
  print s
}
```

p5

```
{ gsub(/USA/, "United States"); print }
```

p6

```
{ gsub(/USA/, "United States", $3); print }
```