NAME
grepand − From a list of files select those containing ALL of one or more specified strings.

SYNOPSIS
echo "fyleX fyleY ..." | ${HOME}/bin/grepand "pattern1" "pattern2" ...

DESCRIPTION
If no parameter is given this shell script prints usage information. If one or more parameters are given, it uses cat | sort −u to store the input list of filenames in a variable. Then it egreps the input files in turn and reports those that contain strings matching EACH of the given regular expressions.

SEE ALSO
grepor   which selects the files containing ANY of one or more specified strings
/bin/grep   which searches for a string in a list of files

APPLICATION NOTE
Complicated logical conditions can be imposed on a search by pipelining invocations of grepand with grepor. For example,

/bin/ls −1F | grep −v "/$" | grep −v "@$" | grepand "A" "B" | grepor "C" "D"

produces a list of the regular files in the current directory that contain both "A" and "B" and also either "C" or D". The −F option of /bin/ls requests that it append / to the names of directories and @ to the names of links; the first two grep commands are used to remove the directory and link names from the list that is presented to grepand.

EXAMPLES
```
unix[1] /usr/bin/find ${HOME} -xdev -name Makefile | grepand ftn "by chapter"
/home/mike/Texts/CF2/Solutions/Makefile
/home/mike/Texts/IMP/Makefile
unix[2]
```

In this example the script is used to find every Makefile that contains both the string ftn and the string "by chapter".

```
unix[3] cd Website; echo *.tex | grepand Michael Rensselaer
cons.tex
cv.tex
extracv.tex
rp.tex
teach.tex
unix[4]
```

In this example the script is used to search all of the .tex files in the directory Website for those containing both Michael and Rensselaer.