

Addresses

n,m	line n to line m
'	address mark, see k below
.	current selection/position
0	start of file
^	start of line
\$	end of line/file
,	equivalent to 0,\$

Regular Expressions

.	any character
*	0 or more of previous
+	1 or more of previous
[^n]	any char but n
[nm]	n or m
[a-z]	class a thru z
(re)	tag pattern
\#	substitute #'th tagged pattern

Text commands

-/re/	search backward
+/re/	search forward
/re/	search in same direction as last
a/text/	Append text after dot
c/text/	Change text in dot
i/text/	Insert text before dot
d	Delete text in dot
s/regexp/text/	Substitute text for regexp in dot
m address	Move dot to after address
t address	Copy dot to after address

Display commands

p	Print contents of dot
=	Print value of dot
n	Print file menu list

I/O commands

b file-list	Set current file to first in menu list
B file-list	As b, but load new file-list
D file-list	Delete named buffers
e [filename]	Replace current with file
r filename	Replace dot by contents of file
w filename	Write current to named file
f [filename]	Set current file name
< command	Replace dot by stdout of command
> command	Send dot to stdin of command
command	Pipe dot through command
! command	Run the command

Loops and conditionals

x/regexp/ command	Set dot and run command on each match
x cmd	Set dot and run command on each matching line
y/regexp/ command	as x but select unmatched text
X/regexp/ command	Run command on files whose menu line matches
Y/regexp/ command	As X but select unmatched files
g/regexp/ command	If dot contains regexp, run command
v/regexp/ command	If dot does not contain, run command

Miscellany

k	Set address mark to value of dot
q	Quit
u n	Undo last n (default 1) changes
{ }	Braces group commands
<compose> Xnnnn	Insert char xxxx hex (Unix/Plan9)
Alt-nnnn	Insert char xxxx hex (Windows)

Sam idioms

X/./,x/<cr>/d	strip <cr> from all files
x/^*/\.,\^*\n/d	strip C comments from selection
-/#+10	goto the 10th column in the current line

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-0+,+0-
,x/ +/ v^/ c/ /
s/"([~]*)"/"1"/
f <nI>
< echo "\xxx"
,> wc -l
/text/+-p
-/text/
$/-text/
,x/<text>/+-p
.x/<pat>/ c/<rep>/
B < echo *.c
B < grep -l <pat> *
X/'w
Y^\.c/D
| fmt
> mail <user>
x^n+ / a^n/
x^/ a/ /
x^<tab>/d
/(.+n)+/
! date
,> wc
0 < date
1 < date
X D
,| sort
,x/^TODAY$/ < date
,x/Plan9/|tr a-z A-Z
,t "junk.c" 0
-/.PP/./PP/-
,x/[a-zA-Z0-9]+/ -#0;+#1 | tr a-z A-Z
,x[a-zA-Z]+/{
  g/fred/ v/.../ c/jim/
  g/jim/ v/.../ c/fred/
}

```

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round dot down to whole lines only
compress runs of spaces, leaving indentation
replace "hello" with "hello" in selection
set current filename to null
insert ascii code xxx at current pos
count lines in file
highlight the lines containing <pat>
search for text backwards
search for the last occurrence of text in file
grep for text
search for <pat> and replace with <rep>
add all the C files in current dir to file list
add all the files containing <pat> to file list
write all modified files
remove all non C files from filelist
pipe selection thru the text formater
send selection as email to <user>
double space selection
indent selection 1 tab
remove 1 tab of indent from selection
matches blocks of text separated by blank lines
get current date in sam window
push file into wc, count appears in sam window
insert date at start of file
replace first line with today's date
remove out all up-to-date files
sort current file
replace TODAY on with the output of date
replace all instances of Plan9 with uppercase
copy current file to start of junk.c
highlight current paragraph in an nroff doc
capitalise every word (slow)

swap fred for jim in file

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