Sam quick reference card

Addresses

n,m	line n to line m
,	address mark, see k below
	correct 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 [file-name]	Replace current with file	
r file-name	Replace dot by contents of file	
w file-name	Write current to named file	
f [file-name]	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</compose>	Insert char xxxx hex (Unix/Plan9)	
Alt-nnnn	Insert char xxxx hex (Windows)	

Sam idioms

Sam idioms	
X/.*/,x/ <cr>/d</cr>	strip <cr>> from all files</cr>
x/^/ .,/0d	strip C comments from selection
-/^/+#10	goto the 10th colum in the current line
-0+,+0-	round dot down to whole lines only
,x/ +/ v/^/ c/ /	compress runs of spaces, leaving indentation
s/"([^"]*)"/'`1''/	replace "hello" with "hello" in selection
f < nl >	set current file-name to null
< echo ""	insert ascii code xxx at current pos
, > wc -1	count lines in file
/text/+-p	highlight the lines containing <pat></pat>
-/text/	search for text backwards
\$-/text/	search for the last occurrence of text in file
x/<text $>/+-p$	grep for text
.x/ <pat>/ c/<rep>/</rep></pat>	search for <pat> and replace with <rep></rep></pat>
B < echo *.c	add all the C files in current dir to file list
B < grep -l < pat > *	add all the files containing <pat> to file list</pat>
X/'/w	write all modified files
Y/.c/D	remove all non C files from file list
fmt	pipe selection through the text formatter
> mail <user></user>	send selection as Email to <user></user>
x/0 a/0	double space selection
x/^/ a/ /	indent selection 1 tab
$x/^{<}tab>/d$	remove 1 tab of indent from selection
/(.+0+/	matches blocks of text separated by blank lines
! date	get current date in sam window
,> wc	push file into wc, count appears in sam window
0 < date	insert date at start of file
1 < date	replace first line with todays date
X D	remove out all up-to-date files
, sort	sort current file
,x/^TODAY\$/ < date	replace TODAY on with the output of date
,x/Plan9/ tr a-z A-Z	replace all instances of Plan9 with upper case
t "junk.c" 0	copy current file to start of junk.c
-/.PP/,/.PP/-	highlight current paragraph in an nroff doc
,x/[a-zA-Z0-9]+/ -#0;+#1 tr a-z A-Z	capitalise every word (slow)
$x[a-zA-Z]+/{$	
g/fred/ v// c/jim/	
g/jim/ v// c/fred/	
}	swap fred for jim in file