Sed Command Summary

		Modifications to:			
Command	Address or Range	Input Stream	Output Stream	Pattern Space	Hold Buffer
=	_	_	\checkmark	_	_
а	1	_		-	_
b	2	_	_	-	_
С	2	—	\checkmark	I	-
d	2	\checkmark	—	\checkmark	_
D	2	\checkmark	—	\checkmark	_
g	2	_	_	\checkmark	_
G	2	_	_	\checkmark	_
h	2	_	_		\checkmark
Н	2	_	_		\checkmark
i	1	_	\checkmark		_
I	1	—	\checkmark	—	_
n	2	\checkmark		—	_
N	2	\checkmark	—	\checkmark	_
р	2	_	\checkmark	_	_
Р	2	_	\checkmark	_	_
q	1	_	—	_	_
r	1	—	\checkmark	_	_
S	2	–	-	\checkmark	—
t	2	–	_	—	—
w	2	-		-	—
x	2	-	-		\checkmark
У	2	_	_		_

Command takes single address or pattern.
Command takes pair of addresses.

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peter@catonmat.net good coders code, great reuse

- Command does not modify the buffer. $\sqrt{}$ Command modifies the buffer.

The "**n**" command may or may not generate output depending on the "-n" command option.

Command line argument summary:

Argument	Description		
-n quiet silent	suppress automatic printing of pattern space		
-e scriptexpression=script	add the script to the commands to be executed		
-f script-file file=script-file	add the contents of script-file to the commands to be executed		
-i[suffix] in-place[=suffix]	edit files in place (makes backup if extension supplied)		
-I N line-length=N	specify the desired line-wrap length for the `l' command		
-r regexp-extended	use extended regular expressions in the script.		
-s separate	consider files as separate rather than as a single continuous long stream.		
-u unbuffered	load minimal amounts of data from the input files and flush the output buffers more often		
help	display this help and exit		
-V version	output version information and exit		

Command	Description			
#	Adds a comment			
=	The "=" command prints the current line number to standard output.			
a \ text	The "a" command appends <i>text</i> after the range or pattern.			
b <i>label</i>	The "b" command branches to the <i>label</i> . You can specify a <i>label</i> with a text string followed by a colon. If no <i>label</i> is there, branch to the end of the script.			
c \ text	The "c" command changes the current line with <i>text</i>			
d	The " d " command deletes the current pattern space, reads in the next line, puts the new line into the pattern space, and aborts the current command, and starts execution at the first <i>sed</i> command.			
D	The " D " command deletes the first portion of the pattern space, up to the new line character, leaving the rest of the pattern alone.			
g	Instead of exchanging (the " \mathbf{x} " command) the hold space with the pattern space, you can copy the hold space to the pattern space with the " \mathbf{g} " command.			
G	If you want to append to the pattern space, use the "G" command.			
h	The "h" command copies the pattern buffer into the hold buffer.			
н	The " H " command allows you to combine several lines in the hold buffer. It acts like the " N " command as lines are appended to the buffer, with a " n " between the lines. You can save several lines in the hold buffer, and print them only if a particular pattern is found later.			
i \ text	You can insert <i>text</i> before the pattern with the "i" command.			
I	The "l" command prints the current pattern space. It is therefore useful in debugging <i>sed</i> scripts. It also converts unprintable characters into printing characters by outputting the value in octal preceded by a "\" character.			
n	The " n " command will print out the current pattern space (unless the "-n" flag is used), empty the current pattern space, and read in the next line of input.			
N	The "N" command does not print out the current pattern space and does not empty the pattern space. It reads in the next line, but appends a new line character along with the input line itself to the pattern space.			
р	Another useful command is the print command: " p ". If <i>sed</i> wasn't started with an "-n" option, the " p " command will duplicate the input. The " p " command prints the entire pattern space.			
Р	The "P" command only prints the first part of the pattern space, up to the NEWLINE character.			
q	There is one more simple command that can restrict the changes to a set of lines. It is the " q " command: quit. This command is most useful when you wish to abort the editing after some condition is reached.			
r filename	The " r " command will append text from <i>filename</i> after the range or pattern.			
s/regex/repl/	The substitute command replaces all occurrences of the regular expression (<i>regex</i>) with <i>repl</i> (acement)			
t <i>label</i>	You can execute a branch if a pattern is found. You may want to execute a branch only if a substitution is made. The command " t label " will branch to the <i>label</i> if the last substitute command modified the pattern space.			
w filename	With this command, you can specify a <i>filename</i> that will receive the modified data.			
x	The "x" command exchanges the hold buffer and the pattern buffer.			
y/source/dest/	Transliterate the characters in the pattern space, which appear in <i>source</i> to the corresponding character in <i>dest</i> (ination).			

Extensions:

Command	Description		
0	Immediately guit the sed script without processing any more input. (zero or one address command)		
R filename	Append a line read from <i>filename</i> . (zero or one address command)		
T label	If no $s///$ has done a successful substitution since the last input line was read and since the last t or T		
	command, then branch to <i>label</i> ; if <i>label</i> is omitted, branch to end of script. (accepts address range)		
W filename	Iename Write the first line of the current pattern space to <i>filename</i> . (accepts address range)		

Address Ranges:

Format	Description	Format (ext)	Description	
				
number	Match only the specified line <i>number</i> .	first~step	Match every <i>step</i> th line starting with line first.	
\$	Match the last line	0 oddr2	Start out in "matched first address" state, until	
	Wraten the last line.	0, auui 2	<i>addr2</i> is found.	
/regex/	Match lines matching the regular	oddr1 N	Will match <i>addr1</i> and the <i>N</i> lines following	
	expression <i>regex</i> .		addr1.	
\c <i>regex</i> c	Match lines matching the regular		Will match <i>addr1</i> and the lines following <i>addr1</i>	
	expression <i>regex</i> . The c may be any	addr1,~N	until the next line whose input line number is a	
	character.		multiple of <i>N</i> .	