NAME

tr − translate or delete characters

SYNOPSIS

tr [*OPTION*]... *SET1* [*SET2*]

DESCRIPTION

Translate, squeeze, and/or delete characters from standard input, writing to standard output.

−c, **−C**, **−−complement**
use the complement of SET1

−d, **−−delete**
delete characters in SET1, do not translate

−s, **−−squeeze−repeats**
replace each sequence of a repeated character that is listed in the last specified SET, with a single occurrence of that character

−t, **−−truncate−set1**
first truncate SET1 to length of SET2

−−help display this help and exit

−−version
output version information and exit

SETs are specified as strings of characters. Most represent themselves. Interpreted sequences are:

\NNN character with octal value NNN (1 to 3 octal digits)

\\ backslash

\a audible BEL

\b backspace

\f form feed

\n new line

\r return

\t horizontal tab

\v vertical tab

CHAR1−CHAR2
all characters from CHAR1 to CHAR2 in ascending order

[CHAR*]
in SET2, copies of CHAR until length of SET1

[CHAR*REPEAT]
REPEAT copies of CHAR, REPEAT octal if starting with 0

[:alnum:]
all letters and digits

[:alpha:]
all letters

[:blank:]
all horizontal whitespace

[:cntrl:] all control characters

[:digit:] all digits

[:graph:]
all printable characters, not including space

[:lower:]
all lower case letters

[:print:]
all printable characters, including space

[:punct:]
all punctuation characters

[:space:]
all horizontal or vertical whitespace

[:upper:]
all upper case letters

[:xdigit:]
all hexadecimal digits

[=CHAR=]
all characters which are equivalent to CHAR

Translation occurs if **−d** is not given and both SET1 and SET2 appear. **−t** may be used only when translating. SET2 is extended to length of SET1 by repeating its last character as necessary. Excess characters of SET2 are ignored. Only [:lower:] and [:upper:] are guaranteed to expand in ascending order; used in SET2 while translating, they may only be used in pairs to specify case conversion. **−s** uses the last specified SET, and occurs after translation or deletion.

AUTHOR

Written by Jim Meyering.

REPORTING BUGS

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report tr translation bugs to <https://translationproject.org/team/>

COPYRIGHT

SEE ALSO

Full documentation at: <https://www.gnu.org/software/coreutils/tr>
or available locally via: info '(coreutils) tr invocation'