

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

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REPORTING BUGS

GNU coreutils online help: [<https://www.gnu.org/software/coreutils/>](https://www.gnu.org/software/coreutils/)

Report any translation bugs to [<https://translationproject.org/team/>](https://translationproject.org/team/)

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SEE ALSO

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