NAME

    ar – archive and library maintainer

SYNOPSIS

    ar key [posname] afile name ...

DESCRIPTION

    Ar maintains groups of files combined into a single archive file. Its main use is to create and update library files as used by the *ld*(I). It can be used, though, for any similar purpose.

    Key is one character from the set **drtpmx,** optionally concatenated with **vuabin.** *Afile* is the archive file. The *names* are constituent files in the archive file. The meanings of the *key* characters are:

    d means delete the named files from the archive file.

    r means replace the named files in the archive file. If the optional character **u** is used with **r,** then only those files with modified dates later than the archive files are replaced. If the optional positioning character **a** (also **i** or **b**) is used, then the *posname* argument must be present and specifies a file in the archive after (before for **i** and **b**) which new files are placed. Without **a, i,** or **b,** new files are placed at the end.

    t prints a table of contents of the archive file. If no names are given, all files in the archive are tabled. If names are given, only those files are tabled.

    p prints the named files in the archive.

    m moves the named files to the end of the archive. If the options **a, i,** or **b** are used, then the *posname* argument must be present and, as in **r,** specifies where the files are to be moved.

    x extracts the named files. If no names are given, all files in the archive are extracted. In neither case does **x** alter the archive file.

    v means verbose. Under the verbose option, *ar* gives a file-by-file description of the making of a new archive file from the old archive and the constituent files. When used with **t,** it gives a long listing of all information about the files.

    n is accepted with no effect whatsoever.

    In all cases, the archive file is created mode 644.

FILES

/tmp/v?????	temporary
/tmp/v1?????	temporary
/tmp/v2?????	temporary

DIAGNOSTICS

    Most diagnostics are self-explanatory. The message "no space in *xxx*" means that the file system *xxx* does not have enough space to contain the temporary files or the new archive file.

SEE ALSO

    ld(I), archive(V)

BUGS

    If the same file is mentioned twice in an argument list, it may be put in the archive twice.