

NAME

lorder - list dependencies for object files

SYNOPSIS

lorder *file* ...

DESCRIPTION

The **lorder** utility uses `nm(1)` to determine interdependencies between object files and library archives listed on its command line. It then outputs a list of pairs of file names such that the first file in each pair references at least one symbol defined by the second.

The output is normally used with `tsort(1)` when a library is created to determine the optimum ordering of the object modules so that all references may be resolved in a single pass of the loader.

Similarly, when linking static binaries, **lorder** and `tsort(1)` can be used to sort libraries in order of dependency.

While contemporary linkers no longer require the use of **lorder**, it is provided for the benefit of legacy code bases and build systems which still insist on it.

ENVIRONMENT

NM Path to the `nm(1)` binary, defaults to "nm".

NMFLAGS

Flags to pass to `nm(1)`.

EXAMPLES

```
ar cr library.a `lorder ${OBJS} | tsort`  
cc -o foo ${OBJS} `lorder ${STATIC_LIBS} | tsort`
```

SEE ALSO

`ar(1)`, `ld(1)`, `nm(1)`, `ranlib(1)`, `tsort(1)`

HISTORY

A **lorder** utility appeared in Version 7 AT&T UNIX.

CAVEATS

The **lorder** utility will not work properly if given file names with spaces or newlines in them.