``RESCAN``

Some linkers are single-pass only. For such linkers, circular references

between libraries typically result in unresolved symbols. This feature

instructs the linker to search the specified static libraries repeatedly

until no new undefined references are created.

Normally, a static library is searched only once in the order that it is

specified on the command line. If a symbol in that library is needed to

resolve an undefined symbol referred to by an object in a library that

appears later on the command line, the linker would not be able to resolve

that reference. By grouping the static libraries with the ``RESCAN``

feature, they will all be searched repeatedly until all possible references

are resolved. This will use linker options like ``--start-group`` and

``--end-group``, or on SunOS, ``-z rescan-start`` and ``-z rescan-end``.

Using this feature has a significant performance cost. It is best to use it

only when there are unavoidable circular references between two or more

static libraries.

This feature is available when using toolchains that target Linux, BSD, and

SunOS. It can also be used when targeting Windows platforms if the GNU

toolchain is used.