NAME

lfind, lsearch - linear search of an array

SYNOPSIS

```
#include <search.h>
```

DESCRIPTION

Ifind() and **Isearch**() perform a linear search for *key* in the array *base* which has *nmemb elements of *size* bytes each. The comparison function referenced by *compar* is expected to have two arguments which point to the *key* object and to an array member, in that order, and which returns zero if the *key* object matches the array member, and nonzero otherwise.

If **lsearch**() does not find a matching element, then the *key* object is inserted at the end of the table, and *nmemb is incremented. In particular, one should know that a matching element exists, or that more room is available.

RETURN VALUE

lfind() returns a pointer to a matching member of the array, or NULL if no match is found. **lsearch**() returns a pointer to a matching member of the array, or to the newly added member if no match is found.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

Interface	Attribute	Value
lfind(), lsearch()	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, SVr4, 4.3BSD. Present in libc since libc-4.6.27.

BUGS

The naming is unfortunate.

SEE ALSO

bsearch(3), hsearch(3), tsearch(3)

COLOPHON

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