



Full credit is given to the above companies including the OS that this PDF file was generated!

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'nextupl.3' command

\$ man nextupl.3

NEXTUP(3) Linux Programmer's Manual NEXTUP(3)

NAME

nextup, nextupf, nextupl, nextdown, nextdownf, nextdownl - return next floating-point number toward positive/negative infinity

SYNOPSIS

```
#define _GNU_SOURCE    /* See feature_test_macros(7) */  
#include <math.h>  
  
double nextup(double x);  
float nextupf(float x);  
long double nextupl(long double x);  
double nextdown(double x);  
float nextdownf(float x);  
long double nextdownl(long double x);  
  
Link with -lm.
```

DESCRIPTION

The nextup(), nextupf(), and nextupl() functions return the next representable floating-point number greater than x.

If x is the smallest representable negative number in the corresponding type, these functions return -0. If x is 0, the returned value is the smallest representable positive number of the corresponding type.

If x is positive infinity, the returned value is positive infinity. If

x is negative infinity, the returned value is the largest representable finite negative number of the corresponding type.

