

NAME

alarm — schedule signal after specified time

SYNOPSIS

unsigned alarm (seconds)
unsigned seconds;

DESCRIPTION

Alarm causes signal **SIGALRM** (see *signal(2)*) to be sent to the invoking process in a number of seconds given by the argument. Unless caught or ignored, the signal terminates the process.

Alarm requests are not stacked; successive calls reset the alarm clock. If the argument is 0, any alarm request is canceled. Because the clock has a 1-second resolution, the signal may occur up to one second early; because of scheduling delays, resumption of execution of when the signal is caught may be delayed an arbitrary amount. The longest specifiable delay time is 65535 seconds.

The returned value is the amount of time previously remaining in the alarm clock.

SEE ALSO

pause(2), signal(2), sleep(3C)

ASSEMBLER

(alarm = 27.)
(seconds in r0)
sys alarm
(previous amount in r0)