;;;

;;; Stub functions for DLX traps.

;;;

;;; Ethan L. Miller, 1999. Released to the public domain.

;;;

;;; The traps such as Open and Close

;;; (note the capital letters) are for use by user programs. The traps

;;; with names such as open and close (lower case) are for use by the OS.

;;;

.text

.align 2

;;; The following are the traps to be used by user-level programs

;;;

.text

.align 2

.proc \_Open

.global \_Open

\_Open:

;;; Note that trap #0x213 actually causes a trap vector in the OS of

;;; 0x1213. The same is true for other user traps. Thus, a user trap

;;; with trap #0x240 will result in a trap vector of 0x1240 in the OS.

trap #0x213

jr r31

nop

.endproc \_Open

.proc \_Close

.global \_Close

\_Close:

trap #0x214

jr r31

nop

.endproc \_Close

.proc \_Read

.global \_Read

\_Read:

trap #0x210

jr r31

nop

.endproc \_Read

.proc \_Write

.global \_Write

\_Write:

trap #0x211

jr r31

nop

.endproc \_Write

.proc \_Lseek

.global \_Lseek

\_Lseek:

trap #0x212

jr r31

nop

.endproc \_Lseek

.proc \_Putchar

.global \_Putchar

\_Putchar:

trap #0x280

jr r31

nop

.endproc \_Putchar

.proc \_Printf

.global \_Printf

\_Printf:

trap #0x201

jr r31

nop

.endproc \_Printf

.proc \_run\_os\_tests

.global \_run\_os\_tests

\_run\_os\_tests:

trap #0x4FF

jr r31

nop

.endproc \_run\_os\_tests

.proc \_Getpid

.global \_Getpid

\_Getpid:

trap #0x431

jr r31

nop

.endproc \_Getpid

.proc \_process\_create

.global \_process\_create

\_process\_create:

trap #0x432

jr r31

nop

.endproc \_process\_create

.proc \_shmget

.global \_shmget

\_shmget:

trap #0x440

jr r31

nop

.endproc \_shmget

.proc \_shmat

.global \_shmat

\_shmat:

trap #0x441

jr r31

nop

.endproc \_shmat

.proc \_sem\_create

.global \_sem\_create

\_sem\_create:

trap #0x450

jr r31

nop

.endproc \_sem\_create

.proc \_sem\_wait

.global \_sem\_wait

\_sem\_wait:

trap #0x451

jr r31

nop

.endproc \_sem\_wait

.proc \_sem\_signal

.global \_sem\_signal

\_sem\_signal:

trap #0x452

jr r31

nop

.endproc \_sem\_signal

.proc \_lock\_create

.global \_lock\_create

\_lock\_create:

trap #0x453

jr r31

nop

.endproc \_lock\_create

.proc \_lock\_acquire

.global \_lock\_acquire

\_lock\_acquire:

trap #0x454

jr r31

nop

.endproc \_lock\_acquire

.proc \_lock\_release

.global \_lock\_release

\_lock\_release:

trap #0x455

jr r31

nop

.endproc \_lock\_release

.proc \_cond\_create

.global \_cond\_create

\_cond\_create:

trap #0x456

jr r31

nop

.endproc \_cond\_create

.proc \_cond\_wait

.global \_cond\_wait

\_cond\_wait:

trap #0x457

jr r31

nop

.endproc \_cond\_wait

.proc \_cond\_signal

.global \_cond\_signal

\_cond\_signal:

trap #0x458

jr r31

nop

.endproc \_cond\_signal

.proc \_Exit

.global \_Exit

\_Exit:

trap #0x500

jr r31

nop

.endproc \_Exit