Justin Shuck

CS333 – Fall 2014

Proj 6 – Output

######################################################################

Script started on Tue, Nov 11, 2014 2:13:53 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl Kernel -unsafe

asm Kernel.s

lddd Runtime.o Switch.o System.o List.o BitMap.o Kernel.o Main.o -o os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

SysExitTest running.

About to terminate the only process; should cause the OS to stop on a 'wait' instruction.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 3192082

Time Spent Sleeping = 9729

Total Elapsed Time = 3201811

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:14:05 PM

Script started on Tue, Nov 11, 2014 2:14:17 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

BasicForkTest running.

I am the parent

I am the child

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 3456712

Time Spent Sleeping = 9729

Total Elapsed Time = 3466441

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:14:25 PM

Script started on Tue, Nov 11, 2014 2:14:34 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

YieldTest running.

This test involves calls to Fork, Yield, and Exit.

RUN ONE: You should see 10 'compiler' messages and 10 'OS' messages.

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Designing compilers is fun!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

RUN TWO: You should see the same 20 messages, but the order should be different, due to the presence of 'Yield's.

Designing compilers is fun!

Designing compilers is fun!

Writing OS kernel code is a blast!

Designing compilers is fun!

Designing compilers is fun!

Writing OS kernel code is a blast!

Designing compilers is fun!

Writing OS kernel code is a blast!

Designing compilers is fun!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Designing compilers is fun!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Designing compilers is fun!

Writing OS kernel code is a blast!

Writing OS kernel code is a blast!

Designing compilers is fun!

Designing compilers is fun!

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 4006981

Time Spent Sleeping = 9729

Total Elapsed Time = 4016710

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:14:45 PM

Script started on Tue, Nov 11, 2014 2:14:57 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

ForkTest running.

This test involves calls to Fork, Yield, and Exit.

There should be 26 columns (A-Z) printed. Each letter should be printed 5 times.

A

A

A

B

B

A

B

B

A

C

C

B

C

C

D

D

D

C

D

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx SKIPPED xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

W

W

V

W

W

X

X

W

X

X

Y

Y

X

Y

Y

Z

Z

Y

Z

Z

Z

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 51961662

Time Spent Sleeping = 9729

Total Elapsed Time = 51971391

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:15:07 PM

Script started on Tue, Nov 11, 2014 2:15:29 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

JoinTest 1 running.

This test involves calls to Fork, Yield, and Exit.

Running first test...

This line should print first.

This line should print second.

Done.

Running second test...

This line should print first.

This line should print second.

Done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 4342505

Time Spent Sleeping = 9729

Total Elapsed Time = 4352234

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:15:36 PM

Script started on Tue, Nov 11, 2014 2:15:46 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

JoinTest 2 running.

This test involves calls to Fork, Yield, and Exit.

Creating 5 children...

Child 1 running...

Child 2 running...

Child 3 running...

Child 4 running...

Waiting for children in order 1, 2, 3, 4, 5...

Child 5 running...

Creating 5 more children...

Child 1 running...

Child 2 running...

Child 3 running...

Child 4 running...

Waiting for children in order 5, 4, 1, 3, 2...

Child 5 running...

Done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 5859892

Time Spent Sleeping = 9729

Total Elapsed Time = 5869621

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:16:11 PM

Script started on Tue, Nov 11, 2014 2:21:41 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

JoinTest3 running.

This test involves 5 illegal calls to Sys\_Join, waiting on non-existent children.

In each case, it prints the return code, which should be -1.

Return code from 1st call = -1

Return code from 2nd call = -1

Return code from 3rd call = -1

Return code from 4th call = -1

Return code from 5th call = -1

Done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 3199905

Time Spent Sleeping = 9729

Total Elapsed Time = 3209634

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:21:57 PM

Script started on Tue, Nov 11, 2014 2:22:22 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

JoinTest4 running.

This test forks a child process and then waits on it twice.

The first call to Sys\_Join should return its error code; the

second call to Sys\_Join should return -1.

The PID of the child = 2

This should print first.

This should print second.

Okay (1).

Okay (2).

This should print first.

The PID of the child = 3

This should print second.

Okay (3).

Okay (4).

In the next test, we create 2 children, and each creates 2 children,

giving 7 processes in all. Then each process attempts a Sys\_Join on

every process except its own children, to make sure the result is -1.

Finally, each process with children waits on them.

A is running...

My first child is A.B pid1 = 4

My second child is A.C pid2 = 5

---------------

A.B.D is running...

---------------

A.C.F is running...

---------------

A.C is running...

My first child is A.C.F pid1 = 7

My second child is A.C.G pid2 = 9

---------------

A.C.G is running...

---------------

A.B is running...

My first child is A.B.D pid1 = 6

My second child is A.B.E pid2 = 8

---------------

A.B.E is running...

---------------

A done with error tests...

A.C.F done with error tests...

A.C.G done with error tests...

A.C done with error tests...

A.B done with error tests...

A.B.D done with error tests...

A.B.E done with error tests...

-----------------------------------A is waiting on A.B pid1 = 4

-----------------------------------A.C is waiting on A.C.F pid1 = 7

-----------------------------------A.B is waiting on A.B.D pid1 = 6

A.C.F is done.

-----------------------------------A.C is waiting on A.C.G pid2 = 9

A.C.G is done.

A.C is done.

A.B.E is done.

A.B.D is done.

-----------------------------------A.B is waiting on A.B.E pid2 = 8

A.B is done.

-----------------------------------A is waiting on A.C pid2 = 5

A is done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 18123758

Time Spent Sleeping = 9729

Total Elapsed Time = 18133487

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:22:35 PM

Script started on Tue, Nov 11, 2014 2:22:50 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

ManyProcessesTest1 running.

This test should create 100 child processes.

It should print 100 lines of output.

Child 1

Child 2

Child 3

Child 4

Child 5

Child 6

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx SKIPPED xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Child 89

Child 90

Child 91

Child 92

Child 93

Child 94

Child 95

Child 96

Child 97

Child 98

Child 99

Child 100

Done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 29498796

Time Spent Sleeping = 9729

Total Elapsed Time = 29508525

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:23:00 PM

Script started on Tue, Nov 11, 2014 2:23:11 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

ManyProcessesTest2 running.

This test attempts to create 9 new processes.

It should print a line for each process and then it should print 123.

Process 0

Process 1

Process 2

Process 3

Process 4

Process 5

Process 6

Process 7

Process 8

Process 9

Final return value = 123

Done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 5728919

Time Spent Sleeping = 9729

Total Elapsed Time = 5738648

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:23:21 PM

Script started on Tue, Nov 11, 2014 2:23:29 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

ManyProcessesTest3 running.

This test attempts to create 10 new processes.

It should run out of resources and hang.

Process 0

Process 1

Process 2

Process 3

Process 4

Process 5

Process 6

Process 7

Process 8

Process 9

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 5478764

Time Spent Sleeping = 9729

Total Elapsed Time = 5488493

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:23:38 PM

Script started on Tue, Nov 11, 2014 2:23:47 PM

justin@Justin ~/cs333/p6

$ make && blitz -g os

kpl TestProgram3 -unsafe

asm TestProgram3.s

lddd UserRuntime.o UserSystem.o TestProgram3.o -o TestProgram3

diskUtil -i

diskUtil -a MyProgram MyProgram

diskUtil -a TestProgram1 TestProgram1

diskUtil -a TestProgram2 TestProgram2

diskUtil -a TestProgram3 TestProgram3

Beginning execution...

==================== KPL PROGRAM STARTING ====================

Initializing Thread Scheduler...

Initializing Thread Manager...

Initializing Frame Manager...

AllocateRandomFrames called. NUMBER\_OF\_PHYSICAL\_PAGE\_FRAMES = 512

Initializing Disk Driver...

Initializing File Manager...

ErrorTest running.

Should print "User Program Error: Attempt to use a null pointer!"...

User Program Error: Attempt to use a null pointer! Type 'st' to see stack.

Okay.

Should print "An AddressException exception has occured while in user mode"...

\*\*\*\*\*\*\*\*\*\* An AddressException exception has occured while in user mode \*\*\*\*\*\*\*\*\*\*

ProcessControlBlock (addr=0x00029520) pid=3, status=ACTIVE, parentsPid=1, exitStatus=0

addr entry Logical Physical Undefined Bits Dirty Referenced Writeable Valid

========== ========== ========== ========== ============== ===== ========== ========= =====

0x0002954C: 0x00154005 0x00000000 0x00154000 YES YES

0x00029550: 0x00158001 0x00002000 0x00158000 YES

0x00029554: 0x0015C001 0x00004000 0x0015C000 YES

0x00029558: 0x00160001 0x00006000 0x00160000 YES

0x0002955C: 0x00164005 0x00008000 0x00164000 YES YES

0x00029560: 0x00168003 0x0000A000 0x00168000 YES YES

0x00029564: 0x0016C003 0x0000C000 0x0016C000 YES YES

0x00029568: 0x00170003 0x0000E000 0x00170000 YES YES

0x0002956C: 0x00174003 0x00010000 0x00174000 YES YES

0x00029570: 0x0017800F 0x00012000 0x00178000 YES YES YES YES

myThread = Thread "UserProgramThread" status=RUNNING (addr of Thread object: 0x0002BB68)

Thread "UserProgramThread" (addr of Thread object: 0x0002BB68)

machine state:

r2: 0x00000000 0

r3: 0x00000000 0

r4: 0x00000000 0

r5: 0x00000000 0

r6: 0x00000000 0

r7: 0x00000000 0

r8: 0x00000000 0

r9: 0x00000000 0

r10: 0x00000000 0

r11: 0x00000000 0

r12: 0x00000000 0

r13: 0x00000000 0

r14: 0x00000000 0

stackTop = 0x0002CB5C

stack starting addr = 0x0002BBC4

status = RUNNING

is user thread: TRUE

user registers:

r1: 0x00000000 0

r2: 0x00000000 0

r3: 0x00000000 0

r4: 0x00000000 0

r5: 0x00000004 4

r6: 0x00000000 0

r7: 0x00000000 0

r8: 0x00000000 0

r9: 0x00000000 0

r10: 0x00004345 17221

r11: 0x00000000 0

r12: 0x00000000 0

r13: 0x0000003A 58

r14: 0x00013FA0 81824

r15: 0x00013F7C 81788

Okay.

Should print "A PageReadonlyException exception has occured while in user mode"...

\*\*\*\*\*\*\*\*\*\* A PageReadonlyException exception has occured while in user mode \*\*\*\*\*\*\*\*\*\*

ProcessControlBlock (addr=0x000295C8) pid=4, status=ACTIVE, parentsPid=1, exitStatus=0

addr entry Logical Physical Undefined Bits Dirty Referenced Writeable Valid

========== ========== ========== ========== ============== ===== ========== ========= =====

0x000295F4: 0x00154005 0x00000000 0x00154000 YES YES

0x000295F8: 0x00158001 0x00002000 0x00158000 YES

0x000295FC: 0x0015C001 0x00004000 0x0015C000 YES

0x00029600: 0x00160001 0x00006000 0x00160000 YES

0x00029604: 0x00164005 0x00008000 0x00164000 YES YES

0x00029608: 0x00168003 0x0000A000 0x00168000 YES YES

0x0002960C: 0x0016C003 0x0000C000 0x0016C000 YES YES

0x00029610: 0x00170003 0x0000E000 0x00170000 YES YES

0x00029614: 0x00174003 0x00010000 0x00174000 YES YES

0x00029618: 0x0017800F 0x00012000 0x00178000 YES YES YES YES

myThread = Thread "UserProgramThread" status=RUNNING (addr of Thread object: 0x0002CBAC)

Thread "UserProgramThread" (addr of Thread object: 0x0002CBAC)

machine state:

r2: 0x000283C0 164800

r3: 0x00000004 4

r4: 0x00000000 0

r5: 0x00000000 0

r6: 0x00000000 0

r7: 0x00000000 0

r8: 0x00000000 0

r9: 0x00000000 0

r10: 0x00004345 17221

r11: 0x00000000 0

r12: 0x00000000 0

r13: 0x00000052 82

r14: 0x0002DACC 187084

stackTop = 0x0002DA70

stack starting addr = 0x0002CC08

status = RUNNING

is user thread: TRUE

user registers:

r1: 0x00000000 0

r2: 0x00000000 0

r3: 0x00000000 0

r4: 0x00000000 0

r5: 0x00000004 4

r6: 0x00000000 0

r7: 0x00000000 0

r8: 0x00000000 0

r9: 0x00000000 0

r10: 0x00004345 17221

r11: 0x00000000 0

r12: 0x00000000 0

r13: 0x0000003A 58

r14: 0x00013FA0 81824

r15: 0x00013F7C 81788

Okay.

Done.

\*\*\*\*\* A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! \*\*\*\*\*

Done! The next instruction to execute will be:

001138: 09000000 ret

Number of Disk Reads = 11

Number of Disk Writes = 0

Instructions Executed = 4033401

Time Spent Sleeping = 9729

Total Elapsed Time = 4043130

justin@Justin ~/cs333/p6

$ exit

Script done on Tue, Nov 11, 2014 2:23:58 PM