Московский Авиационный Институт

(Национальный Исследовательский Университет)

Институт №8 “Компьютерные науки и прикладная математика”

Кафедра №806 “Вычислительная математика и программирование”

**Лабораторная работа №8 по курсу**

**«Операционные системы»**

Группа: М80-206Б-22

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**Постановка задачи**

**Цель работы**

Приобретение практических навыков диагностики работы программного обеспечения.

**Задание**

При выполнении лабораторных работ по курсу ОС необходимо продемонстрировать ключевые системные вызовы, которые в них используются и то, что их использование соответствует варианту ЛР. По итогам выполнения всех лабораторных работ отчет по данной ЛР должен содержать краткую сводку по исследованию написанных программ.

**Общий метод и алгоритм решения**

**Strace**

Команда **strace** фиксирует все системные вызовы, совершаемые запущенной программой. В самом простом варианте **strace** запускает переданную программу (с ее аргументами) и выводит в стандартный поток ошибок зафиксированные системные вызовы. Давайте разберем опции утилиты, с помощью которых можно управлять ее поведением:

* **-i** - выводить указатель на инструкцию во время выполнения системного вызова;
* **-k** - выводить стек вызовов для отслеживаемого процесса после каждого системного вызова;
* **-o** - выводить всю информацию о системных вызовах не в стандартный поток ошибок, а в файл;
* **-q** - не выводить сообщения о подключении о отключении от процесса;
* **-qq** - не выводить сообщения о завершении работы процесса;
* **-r** - выводить временную метку для каждого системного вызова;
* **-s** - указать максимальный размер выводимой строки, по умолчанию 32;
* **-t** - выводить время суток для каждого вызова;
* **-tt** - добавить микросекунды;
* **-ttt** - добавить микросекунды и количество секунд после начала эпохи Unix;
* **-T** - выводить длительность выполнения системного вызова;
* **-x** - выводить все не ASCI-строки в шестнадцатеричном виде;
* **-xx** - выводить все строки в шестнадцатеричном виде;
* **-y** - выводить пути для файловых дескрипторов;
* **-yy** - выводить информацию о протоколе для файловых дескрипторов;
* **-c** - подсчитывать количество ошибок, вызовов и время выполнения для каждого системного вызова;
* **-O** - добавить определенное количество микросекунд к счетчику времени для каждого вызова;
* **-S** - сортировать информацию выводимую при опции **-c**. Доступны поля time, calls, name и nothing. По умолчанию используется time;
* **-w** - суммировать время между началом и завершением системного вызова;
* **-e** - позволяет отфильтровать только нужные системные вызовы или события;
* **-P** - отслеживать только системные вызовы, которые касаются указанного пути;
* **-v** - позволяет выводить дополнительную информацию, такую как версии окружения, статистику и так далее;
* **-b** - если указанный системный вызов обнаружен, трассировка прекращается;
* **-f** - отслеживать также дочерние процессы, если они будут созданы;
* **-ff** - если задана опция -o, то для каждого дочернего процесса будет создан отдельный файл с именем имя\_файла.pid.
* **-I** - позволяет блокировать реакцию на нажатия Ctrl+C и Ctrl+Z;
* **-E** - добавляет переменную окружения для запускаемой программы;
* **-p** - указывает pid процесса, к которому следует подключиться;
* **-u** - запустить программу, от имени указанного пользователя.

**Dtruss**

**Dtruss** - аналог **strace** для macOS. Принцип работы не отличается от **strace**, но присутствует необходимость в дополнительных правах (т. е. для работы нужно запускать с sudo). Разберем опции:

* **-a** - печатать все детали;
* **-b bufsize** - изменить размер буфера. Увеличьте это значение, если вы заметили ошибки удаления динамических переменных. По умолчанию стоит значение "4m" для 4 мегабайтов на CPU;
* **-c** - печатать кол-во системных вызовов;
* **-d** - печать относительных временных меток;
* **-e** - печать прошедшего времени;
* **-f** - отслеживать дочерний процесс после его создания;
* **-n name** - рассматривать процесс с именем name;
* **-W name** - ожидать процесс, который соответствует имени name;
* **-o** - печатать время CPU;
* **-s** - печатать стек вызовов;
* **-t syscall** - рассматривать только системный вызов syscall.

**Протокол работы программы**

**Dtrace (аналог strace):**

Lab1

mishazhadnov@McB-airmi scr % sudo dtruss ./parent

dtrace: system integrity protection is on, some features will not be available

SYSCALL(args) = return

munmap(0x111A3D000, 0x9C000) = 0 0

munmap(0x111AD9000, 0x8000) = 0 0

munmap(0x111AE1000, 0x4000) = 0 0

munmap(0x111AE5000, 0x4000) = 0 0

munmap(0x111AE9000, 0x54000) = 0 0

open(".\0", 0x100000, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B3A0A250) = 0 0

close(0x3) = 0 0

fsgetpath(0x7FF7B3A0A260, 0x400, 0x7FF7B3A0A248) = 58 0

fsgetpath(0x7FF7B3A0A260, 0x400, 0x7FF7B3A0A248) = 14 0

csrctl(0x0, 0x7FF7B3A0A66C, 0x4) = -1 1

\_\_mac\_syscall(0x7FF810C2E11B, 0x2, 0x7FF7B3A0A4E0) = 0 0

csrctl(0x0, 0x7FF7B3A0A67C, 0x4) = -1 1

\_\_mac\_syscall(0x7FF810C2B0A8, 0x5A, 0x7FF7B3A0A610) = 0 0

dtrace: error on enabled probe ID 1741 (ID 571: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

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dtrace: error on enabled probe ID 1741 (ID 571: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

open("/\0", 0x20100000, 0x0) = 3 0

openat(0x3, "System/Cryptexes/OS\0", 0x100000, 0x0) = 4 0

dup(0x4, 0x0, 0x0) = 5 0

fstatat64(0x4, 0x7FF7B3A093B1, 0x7FF7B3A097B0) = 0 0

openat(0x4, "System/Library/dyld/\0", 0x100000, 0x0) = 6 0

fcntl(0x6, 0x32, 0x7FF7B3A09440) = 0 0

dup(0x6, 0x0, 0x0) = 7 0

dup(0x5, 0x0, 0x0) = 8 0

close(0x3) = 0 0

close(0x5) = 0 0

close(0x4) = 0 0

close(0x6) = 0 0

shared\_region\_check\_np(0x7FF7B3A09D38, 0x0, 0x0) = 0 0

fsgetpath(0x7FF7B3A0A290, 0x400, 0x7FF7B3A0A1C8) = 83 0

fcntl(0x8, 0x32, 0x7FF7B3A0A290) = 0 0

close(0x8) = 0 0

close(0x7) = 0 0

getfsstat64(0x0, 0x0, 0x2) = 8 0

getfsstat64(0x10C4FBA10, 0x43C0, 0x2) = 8 0

getattrlist("/\0", 0x7FF7B3A0A120, 0x7FF7B3A0A090) = 0 0

fsgetpath(0x7FF7B3A09F10, 0x400, 0x7FF7B3A09EF8) = 83 0

stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7B3A0A378, 0x0) = 0 0

stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr/parent\0", 0x7FF7B3A099A0, 0x0) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr/parent\0", 0x0, 0x0) = 3 0

mmap(0x0, 0x33C4, 0x1, 0x40002, 0x3, 0x0) = 0x10C53A000 0

fcntl(0x3, 0x32, 0x7FF7B3A09AB0) = 0 0

close(0x3) = 0 0

munmap(0x10C53A000, 0x33C4) = 0 0

stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr/parent\0", 0x7FF7B3A09F00, 0x0) = 0 0

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B3A08F50, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B3A08F00, 0x0) = -1 2

stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B3A06B50, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7B3A06B00, 0x0) = -1 2

stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B3A06B50, 0x0) = -1 2

open("/dev/dtracehelper\0", 0x2, 0x0) = 3 0

ioctl(0x3, 0x80086804, 0x7FF7B3A08B58) = 0 0

close(0x3) = 0 0

mprotect(0x10C4F6000, 0x1000, 0x1) = 0 0

shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x1) = 0 0

access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

bsdthread\_register(0x7FF810EF5BC4, 0x7FF810EF5BB0, 0x2000) = 1073742303 0

shm\_open(0x7FF810DA0F5A, 0x0, 0x10D9F465) = 3 0

fstat64(0x3, 0x7FF7B3A08DA0, 0x0) = 0 0

mmap(0x0, 0x3000, 0x1, 0x40001, 0x3, 0x0) = 0x10C53C000 0

close(0x3) = 0 0

ioctl(0x2, 0x4004667A, 0x7FF7B3A08E54) = 0 0

mprotect(0x10C544000, 0x1000, 0x0) = 0 0

mprotect(0x10C54B000, 0x1000, 0x0) = 0 0

mprotect(0x10C54C000, 0x1000, 0x0) = 0 0

mprotect(0x10C553000, 0x1000, 0x0) = 0 0

mprotect(0x10C53F000, 0x98, 0x1) = 0 0

mprotect(0x10C53F000, 0x98, 0x3) = 0 0

mprotect(0x10C53F000, 0x98, 0x1) = 0 0

mprotect(0x10C554000, 0x1000, 0x1) = 0 0

mprotect(0x10C555000, 0x98, 0x1) = 0 0

mprotect(0x10C555000, 0x98, 0x3) = 0 0

mprotect(0x10C555000, 0x98, 0x1) = 0 0

mprotect(0x10C53F000, 0x98, 0x3) = 0 0

mprotect(0x10C53F000, 0x98, 0x1) = 0 0

mprotect(0x10C554000, 0x1000, 0x3) = 0 0

mprotect(0x10C554000, 0x1000, 0x1) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x3) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x1) = 0 0

issetugid(0x0, 0x0, 0x0) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x3) = 0 0

getentropy(0x7FF7B3A08900, 0x20, 0x0) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x1) = 0 0

getpid(0x0, 0x0, 0x0) = 9784 0

mprotect(0x10C4F9000, 0x40000, 0x3) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x1) = 0 0

getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr/parent\0", 0x7FF7B3A08D80, 0x7FF7B3A08D98) = 0 0

access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr\0", 0x4, 0x0) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr\0", 0x0, 0x0) = 3 0

fstat64(0x3, 0x7FADF2704500, 0x0) = 0 0

csrctl(0x0, 0x7FF7B3A0900C, 0x4) = -1 1

fgetattrlist(0x3, 0x7FF7B3A09020, 0x7FF7B3A09040) = 0 0

\_\_mac\_syscall(0x7FF81B4B2719, 0x2, 0x7FF7B3A09040) = 0 0

fcntl(0x3, 0x32, 0x7FF7B3A08CB0) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab1/scr/Info.plist\0", 0x0, 0x0) = -1 2

proc\_info(0x2, 0x2638, 0xD) = 64 0

csops\_audittoken(0x2638, 0x10, 0x7FF7B3A08F90) = -1 22

dtrace: error on enabled probe ID 1741 (ID 571: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 571: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

csops(0x2638, 0x0, 0x7FF7B3A093F4) = 0 0

sysctlbyname(kern.system\_version\_compat, 0x1A, 0x0, 0x0, 0x7FF7B3A09424) = 0 0

mprotect(0x10C4F9000, 0x40000, 0x3) = 0 0

getrlimit(0x1008, 0x7FF7B3A09FE0, 0x0) = 0 0

fstat64(0x0, 0x7FF7B3A09FC8, 0x0) = 0 0

ioctl(0x0, 0x4004667A, 0x7FF7B3A0A014) = 0 0

dtrace: error on enabled probe ID 1714 (ID 959: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

test\_ok.txt

0

6

2

0

dtrace: error on enabled probe ID 1714 (ID 959: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

open("test\_ok.txt\0", 0x0, 0x0) = 3 0

**pipe(0x0, 0x0, 0x0)** = 4 0

**fork()** = 9789 0

close(0x5) = 0 0

wait4(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 9789 0

dtrace: error on enabled probe ID 1713 (ID 173: syscall::read:return): invalid kernel access in action #12 at DIF offset 68

fstat64(0x1, 0x7FF7B3A0A388, 0x0) = 0 0

ioctl(0x1, 0x4004667A, 0x7FF7B3A0A3D4) = 0 0

dtrace: error on enabled probe ID 1712 (ID 961: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1713 (ID 173: syscall::read:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 961: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1713 (ID 173: syscall::read:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 961: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1713 (ID 173: syscall::read:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 961: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1713 (ID 173: syscall::read:return): invalid kernel access in action #12 at DIF offset 68

lseek(0x0, 0xFFFFFFFFFFFFFFFF, 0x1) = 23771292 0

Lab2

mishazhadnov@McB-airmi scr % sudo dtruss ./prog 3 <bad.txt

dtrace: system integrity protection is on, some features will not be available

SYSCALL(args) = return

Type your array:

After Sorting Array is: 1 1 1 1 1 1 1 7 7 7 7 7 9 9 9 9 9 23 23 23 23 23 31 31 31 49 49 49 50 50 50 50 50 50 77 77 77 77 77 80 92 92 101 101 101 127 127 127 127 277 277 305 305 404 404 404 500 500 500 500 5000 7007 7007 7009 7079 7079 7079 7079

Array size was 68

munmap(0x11622E000, 0xA0000) = 0 0

munmap(0x1162CE000, 0x8000) = 0 0

munmap(0x1162D6000, 0x4000) = 0 0

munmap(0x1162DA000, 0x4000) = 0 0

munmap(0x1162DE000, 0x58000) = 0 0

open(".\0", 0x100000, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B822D290) = 0 0

close(0x3) = 0 0

fsgetpath(0x7FF7B822D2A0, 0x400, 0x7FF7B822D288) = 56 0

fsgetpath(0x7FF7B822D2A0, 0x400, 0x7FF7B822D288) = 14 0

csrctl(0x0, 0x7FF7B822D6AC, 0x4) = -1 1

\_\_mac\_syscall(0x7FF808646E3B, 0x2, 0x7FF7B822D510) = 0 0

csrctl(0x0, 0x7FF7B822D6BC, 0x4) = -1 1

\_\_mac\_syscall(0x7FF808643DC6, 0x5A, 0x7FF7B822D650) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

open("/\0", 0x20100000, 0x0) = 3 0

openat(0x3, "System/Cryptexes/OS\0", 0x100000, 0x0) = 4 0

dup(0x4, 0x0, 0x0) = 5 0

fstatat64(0x4, 0x7FF7B822C3F1, 0x7FF7B822C7F0) = 0 0

openat(0x4, "System/Library/dyld/\0", 0x100000, 0x0) = 6 0

fcntl(0x6, 0x32, 0x7FF7B822C480) = 0 0

dup(0x6, 0x0, 0x0) = 7 0

dup(0x5, 0x0, 0x0) = 8 0

close(0x3) = 0 0

close(0x5) = 0 0

close(0x4) = 0 0

close(0x6) = 0 0

shared\_region\_check\_np(0x7FF7B822CD68, 0x0, 0x0) = 0 0

fsgetpath(0x7FF7B822D2D0, 0x400, 0x7FF7B822D208) = 83 0

fcntl(0x8, 0x32, 0x7FF7B822D2D0) = 0 0

close(0x8) = 0 0

close(0x7) = 0 0

getfsstat64(0x0, 0x0, 0x2) = 7 0

getfsstat64(0x108202AA0, 0x3B48, 0x2) = 7 0

getattrlist("/\0", 0x7FF7B822D210, 0x7FF7B822D180) = 0 0

stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7B822D548, 0x0) = 0 0

dtrace: error on enabled probe ID 1690 (ID 845: syscall::stat64:return): invalid address (0x0) in action #11 at DIF offset 12

stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr/prog\0", 0x7FF7B822C9E0, 0x0) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr/prog\0", 0x0, 0x0) = 3 0

mmap(0x0, 0x15838, 0x1, 0x40002, 0x3, 0x0) = 0x107CEA000 0

fcntl(0x3, 0x32, 0x7FF7B822CAF0) = 0 0

close(0x3) = 0 0

munmap(0x107CEA000, 0x15838) = 0 0

stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr/prog\0", 0x7FF7B822CF40, 0x0) = 0 0

open("/usr/local/opt/gcc/lib/gcc/current/libstdc++.6.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B822C390) = 0 0

close(0x3) = 0 0

stat64("/usr/local/opt/gcc/lib/gcc/current/libstdc++.6.dylib\0", 0x7FF7B822BF50, 0x0) = 0 0

stat64("/usr/local/opt/gcc/lib/gcc/current/libstdc++.6.dylib\0", 0x7FF7B822B9B0, 0x0) = 0 0

open("/usr/local/opt/gcc/lib/gcc/current/libstdc++.6.dylib\0", 0x0, 0x0) = 3 0

mmap(0x0, 0x3C2770, 0x1, 0x40002, 0x3, 0x0) = 0x108241000 0

fcntl(0x3, 0x32, 0x7FF7B822BAC0) = 0 0

close(0x3) = 0 0

open("/usr/local/Cellar/gcc/13.2.0/lib/gcc/current/libstdc++.6.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x62, 0x7FF7B822B778) = 0 0

mmap(0x108604000, 0x1E4000, 0x5, 0x40012, 0x3, 0x0) = 0x108604000 0

mmap(0x1087E8000, 0xC000, 0x3, 0x40012, 0x3, 0x1E4000) = 0x1087E8000 0

mmap(0x1087F4000, 0xC000, 0x3, 0x40012, 0x3, 0x1F0000) = 0x1087F4000 0

mmap(0x108804000, 0x1C8000, 0x1, 0x40012, 0x3, 0x1FC000) = 0x108804000 0

close(0x3) = 0 0

munmap(0x108241000, 0x3C2770) = 0 0

open("/usr/local/opt/gcc/lib/gcc/current/libgcc\_s.1.1.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B822C390) = 0 0

close(0x3) = 0 0

stat64("/usr/local/opt/gcc/lib/gcc/current/libgcc\_s.1.1.dylib\0", 0x7FF7B822BF50, 0x0) = 0 0

stat64("/usr/local/opt/gcc/lib/gcc/current/libgcc\_s.1.1.dylib\0", 0x7FF7B822B9B0, 0x0) = 0 0

open("/usr/local/opt/gcc/lib/gcc/current/libgcc\_s.1.1.dylib\0", 0x0, 0x0) = 3 0

mmap(0x0, 0x2D310, 0x1, 0x40002, 0x3, 0x0) = 0x108101000 0

fcntl(0x3, 0x32, 0x7FF7B822BAC0) = 0 0

close(0x3) = 0 0

open("/usr/local/Cellar/gcc/13.2.0/lib/gcc/current/libgcc\_s.1.1.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x62, 0x7FF7B822B798) = 0 0

mmap(0x10812F000, 0x1C000, 0x5, 0x40012, 0x3, 0x4000) = 0x10812F000 0

mmap(0x10814B000, 0x4000, 0x3, 0x40012, 0x3, 0x20000) = 0x10814B000 0

mmap(0x10814F000, 0xC000, 0x1, 0x40012, 0x3, 0x24000) = 0x10814F000 0

close(0x3) = 0 0

munmap(0x108101000, 0x2D310) = 0 0

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B822BF50, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B822BF00, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B822BF50, 0x0) = -1 2

stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libobjc.A.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libxpc.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++abi.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdyld.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libquarantine.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libmacho.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libunwind.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/liboah.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/liboah.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/liboah.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libremovefile.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcache.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B8229B50, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B8229B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B8229BA0, 0x0) = -1 2

stat64("/usr/lib/libiconv.2.dylib\0", 0x7FF7B822BE70, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libiconv.2.dylib\0", 0x7FF7B822BE20, 0x0) = -1 2

stat64("/usr/lib/libiconv.2.dylib\0", 0x7FF7B822BE70, 0x0) = -1 2

stat64("/usr/lib/libcharset.1.dylib\0", 0x7FF7B8229AC0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libcharset.1.dylib\0", 0x7FF7B8229A70, 0x0) = -1 2

stat64("/usr/lib/libcharset.1.dylib\0", 0x7FF7B8229AC0, 0x0) = -1 2

stat64("/usr/lib/libiconv.2.dylib\0", 0x7FF7B8229AC0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libiconv.2.dylib\0", 0x7FF7B8229A70, 0x0) = -1 2

stat64("/usr/lib/libiconv.2.dylib\0", 0x7FF7B8229AC0, 0x0) = -1 2

open("@rpath/libgcc\_s.1.1.dylib\0", 0x0, 0x0) = -1 2

open("@rpath\0", 0x100000, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B822BE70, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B822BE20, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B822BE70, 0x0) = -1 2

open("/dev/dtracehelper\0", 0x2, 0x0) = 3 0

ioctl(0x3, 0x80086804, 0x7FF7B822B9D8) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr/prog\0", 0x0, 0x0) = 3 0

\_\_mac\_syscall(0x7FF808646E3B, 0x2, 0x7FF7B822B0B0) = 0 0

map\_with\_linking\_np(0x7FF7B822ABA0, 0x1, 0x7FF7B822ABD0) = -1 22

close(0x3) = 0 0

mprotect(0x107CDA000, 0x4000, 0x1) = 0 0

open("/usr/local/Cellar/gcc/13.2.0/lib/gcc/current/libstdc++.6.dylib\0", 0x0, 0x0) = 3 0

\_\_mac\_syscall(0x7FF808646E3B, 0x2, 0x7FF7B822B0B0) = 0 0

map\_with\_linking\_np(0x7FF7B8228210, 0x2, 0x7FF7B8228260) = -1 22

close(0x3) = 0 0

mprotect(0x1087E8000, 0xC000, 0x1) = 0 0

shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

mprotect(0x108200000, 0x40000, 0x1) = 0 0

access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

bsdthread\_register(0x7FF808939B9C, 0x7FF808939B88, 0x2000) = 1073742303 0

getpid(0x0, 0x0, 0x0) = 1981 0

shm\_open(0x7FF8087DCF42, 0x0, 0x87DB388) = 3 0

fstat64(0x3, 0x7FF7B822C020, 0x0) = 0 0

mmap(0x0, 0x4000, 0x1, 0x40001, 0x3, 0x0) = 0x107CEC000 0

close(0x3) = 0 0

ioctl(0x2, 0x4004667A, 0x7FF7B822C0E4) = 0 0

mprotect(0x107CF5000, 0x1000, 0x0) = 0 0

mprotect(0x107CFC000, 0x1000, 0x0) = 0 0

mprotect(0x108101000, 0x1000, 0x0) = 0 0

mprotect(0x108108000, 0x1000, 0x0) = 0 0

mprotect(0x107CF0000, 0x98, 0x1) = 0 0

mprotect(0x107CF0000, 0x98, 0x3) = 0 0

mprotect(0x107CF0000, 0x98, 0x1) = 0 0

mprotect(0x107CFD000, 0x1000, 0x1) = 0 0

mprotect(0x108109000, 0x98, 0x1) = 0 0

mprotect(0x108109000, 0x98, 0x3) = 0 0

mprotect(0x108109000, 0x98, 0x1) = 0 0

mprotect(0x107CF0000, 0x98, 0x3) = 0 0

mprotect(0x107CF0000, 0x98, 0x1) = 0 0

mprotect(0x107CFD000, 0x1000, 0x3) = 0 0

mprotect(0x107CFD000, 0x1000, 0x1) = 0 0

mprotect(0x108200000, 0x40000, 0x3) = 0 0

mprotect(0x108200000, 0x40000, 0x1) = 0 0

issetugid(0x0, 0x0, 0x0) = 0 0

mprotect(0x108200000, 0x40000, 0x3) = 0 0

mprotect(0x108200000, 0x40000, 0x1) = 0 0

mprotect(0x108200000, 0x40000, 0x3) = 0 0

mprotect(0x108200000, 0x40000, 0x1) = 0 0

getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr/prog\0", 0x7FF7B822BFC0, 0x7FF7B822BFD8) = 0 0

access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr\0", 0x4, 0x0) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr\0", 0x0, 0x0) = 3 0

fstat64(0x3, 0x7FB6E8F04530, 0x0) = 0 0

csrctl(0x0, 0x7FF7B822C21C, 0x4) = -1 1

fgetattrlist(0x3, 0x7FF7B822C230, 0x7FF7B822C250) = 0 0

\_\_mac\_syscall(0x7FF813CFA6A4, 0x2, 0x7FF7B822C250) = 0 0

fcntl(0x3, 0x32, 0x7FF7B822BED0) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab2/scr/Info.plist\0", 0x0, 0x0) = -1 2

proc\_info(0x2, 0x7BD, 0xD) = 64 0

csops\_audittoken(0x7BD, 0x10, 0x7FF7B822C220) = -1 22

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

csops(0x7BD, 0x0, 0x7FF7B822C684) = 0 0

sysctlbyname(kern.system\_version\_compat, 0x1A, 0x0, 0x0, 0x7FF7B822C6B4) = 0 0

mprotect(0x108200000, 0x40000, 0x3) = 0 0

getrlimit(0x1008, 0x7FF7B822D420, 0x0) = 0 0

fstat64(0x1, 0x7FF7B822D408, 0x0) = 0 0

ioctl(0x1, 0x4004667A, 0x7FF7B822D454) = 0 0

fstat64(0x0, 0x7FF7B822D048, 0x0) = 0 0

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

bsdthread\_create(0x107CD5694, 0x600001625200, 0x70000485B000) = 75870208 0

thread\_selfid(0x0, 0x0, 0x0) = 526321 0

bsdthread\_create(0x107CD5694, 0x600001625208, 0x7000048DE000) = 76406784 0

\_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

bsdthread\_create(0x107CD5694, 0x600001625210, 0x700004961000) = 76943360 0

thread\_selfid(0x0, 0x0, 0x0) = 526322 0

thread\_selfid(0x0, 0x0, 0x0) = 526323 0

\_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

\_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

ulock\_wake(0x1000002, 0x7000048DE034, 0x0) = 0 0

ulock\_wait(0x1020002, 0x7000048DE034, 0x1B0B) = 0 0

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

Lab3

mishazhadnov@McB-airmi scr % sudo dtruss -f ./parent

Password:

dtrace: system integrity protection is on, some features will not be available

PID/THRD SYSCALL(args) = return

15678/0x9045d: fork() = 0 0

15678/0x9045d: munmap(0x1084EE000, 0xA0000) = 0 0

15678/0x9045d: munmap(0x10858E000, 0x8000) = 0 0

15678/0x9045d: munmap(0x108596000, 0x4000) = 0 0

15678/0x9045d: munmap(0x10859A000, 0x4000) = 0 0

15678/0x9045d: munmap(0x10859E000, 0x58000) = 0 0

15678/0x9045d: open(".\0", 0x100000, 0x0) = 3 0

15678/0x9045d: fcntl(0x3, 0x32, 0x7FF7BA113290) = 0 0

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: fsgetpath(0x7FF7BA1132A0, 0x400, 0x7FF7BA113288) = 58 0

15678/0x9045d: fsgetpath(0x7FF7BA1132A0, 0x400, 0x7FF7BA113288) = 14 0

15678/0x9045d: csrctl(0x0, 0x7FF7BA1136AC, 0x4) = -1 1

15678/0x9045d: \_\_mac\_syscall(0x7FF8040EFE3B, 0x2, 0x7FF7BA113510) = 0 0

15678/0x9045d: csrctl(0x0, 0x7FF7BA1136BC, 0x4) = -1 1

15678/0x9045d: \_\_mac\_syscall(0x7FF8040ECDC6, 0x5A, 0x7FF7BA113650) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

15678/0x9045d: open("/\0", 0x20100000, 0x0) = 3 0

15678/0x9045d: openat(0x3, "System/Cryptexes/OS\0", 0x100000, 0x0) = 4 0

15678/0x9045d: dup(0x4, 0x0, 0x0) = 5 0

15678/0x9045d: fstatat64(0x4, 0x7FF7BA1123F1, 0x7FF7BA1127F0) = 0 0

15678/0x9045d: openat(0x4, "System/Library/dyld/\0", 0x100000, 0x0) = 6 0

15678/0x9045d: fcntl(0x6, 0x32, 0x7FF7BA112480) = 0 0

15678/0x9045d: dup(0x6, 0x0, 0x0) = 7 0

15678/0x9045d: dup(0x5, 0x0, 0x0) = 8 0

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: close(0x5) = 0 0

15678/0x9045d: close(0x4) = 0 0

15678/0x9045d: close(0x6) = 0 0

15678/0x9045d: shared\_region\_check\_np(0x7FF7BA112D68, 0x0, 0x0) = 0 0

15678/0x9045d: fsgetpath(0x7FF7BA1132D0, 0x400, 0x7FF7BA113208) = 83 0

15678/0x9045d: fcntl(0x8, 0x32, 0x7FF7BA1132D0) = 0 0

15678/0x9045d: close(0x8) = 0 0

15678/0x9045d: close(0x7) = 0 0

15678/0x9045d: getfsstat64(0x0, 0x0, 0x2) = 7 0

15678/0x9045d: getfsstat64(0x106302AA0, 0x3B48, 0x2) = 7 0

15678/0x9045d: getattrlist("/\0", 0x7FF7BA113210, 0x7FF7BA113180) = 0 0

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7BA113548, 0x0) = 0 0

dtrace: error on enabled probe ID 1690 (ID 845: syscall::stat64:return): invalid address (0x0) in action #12 at DIF offset 12

15678/0x9045d: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/parent\0", 0x7FF7BA1129E0, 0x0) = 0 0

15678/0x9045d: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/parent\0", 0x0, 0x0) = 3 0

15678/0x9045d: mmap(0x0, 0x8468, 0x1, 0x40002, 0x3, 0x0) = 0x106201000 0

15678/0x9045d: fcntl(0x3, 0x32, 0x7FF7BA112AF0) = 0 0

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: munmap(0x106201000, 0x8468) = 0 0

15678/0x9045d: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/parent\0", 0x7FF7BA112F40, 0x0) = 0 0

15678/0x9045d: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BA111F50, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7BA111F00, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BA111F50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libobjc.A.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libxpc.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++abi.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdyld.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libquarantine.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libmacho.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libunwind.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/liboah.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/liboah.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/liboah.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcopyfile.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libremovefile.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libkeymgr.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcache.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7BA10FB50, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7BA10FB40, 0x0) = -1 2

15678/0x9045d: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7BA10FBA0, 0x0) = -1 2

15678/0x9045d: open("/dev/dtracehelper\0", 0x2, 0x0) = 3 0

15678/0x9045d: ioctl(0x3, 0x80086804, 0x7FF7BA111B38) = 0 0

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/parent\0", 0x0, 0x0) = 3 0

15678/0x9045d: \_\_mac\_syscall(0x7FF8040EFE3B, 0x2, 0x7FF7BA1110F0) = 0 0

15678/0x9045d: map\_with\_linking\_np(0x7FF7BA111040, 0x1, 0x7FF7BA111070) = -1 22

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: mprotect(0x105DF0000, 0x4000, 0x1) = 0 0

15678/0x9045d: shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x1) = 0 0

15678/0x9045d: access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

15678/0x9045d: bsdthread\_register(0x7FF8043E2B9C, 0x7FF8043E2B88, 0x2000) = 1073742303 0

15678/0x9045d: getpid(0x0, 0x0, 0x0) = 15678 0

15678/0x9045d: shm\_open(0x7FF804285F42, 0x0, 0x4284388) = 3 0

15678/0x9045d: fstat64(0x3, 0x7FF7BA112060, 0x0) = 0 0

15678/0x9045d: mmap(0x0, 0x4000, 0x1, 0x40001, 0x3, 0x0) = 0x105DFA000 0

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: ioctl(0x2, 0x4004667A, 0x7FF7BA112124) = 0 0

15678/0x9045d: mprotect(0x106206000, 0x1000, 0x0) = 0 0

15678/0x9045d: mprotect(0x10620D000, 0x1000, 0x0) = 0 0

15678/0x9045d: mprotect(0x10620E000, 0x1000, 0x0) = 0 0

15678/0x9045d: mprotect(0x106215000, 0x1000, 0x0) = 0 0

15678/0x9045d: mprotect(0x106201000, 0x98, 0x1) = 0 0

15678/0x9045d: mprotect(0x106201000, 0x98, 0x3) = 0 0

15678/0x9045d: mprotect(0x106201000, 0x98, 0x1) = 0 0

15678/0x9045d: mprotect(0x105DFE000, 0x1000, 0x1) = 0 0

15678/0x9045d: mprotect(0x106216000, 0x98, 0x1) = 0 0

15678/0x9045d: mprotect(0x106216000, 0x98, 0x3) = 0 0

15678/0x9045d: mprotect(0x106216000, 0x98, 0x1) = 0 0

15678/0x9045d: mprotect(0x106201000, 0x98, 0x3) = 0 0

15678/0x9045d: mprotect(0x106201000, 0x98, 0x1) = 0 0

15678/0x9045d: mprotect(0x105DFE000, 0x1000, 0x3) = 0 0

15678/0x9045d: mprotect(0x105DFE000, 0x1000, 0x1) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x3) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x1) = 0 0

15678/0x9045d: issetugid(0x0, 0x0, 0x0) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x3) = 0 0

15678/0x9045d: getentropy(0x7FF7BA111950, 0x20, 0x0) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x1) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x3) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x1) = 0 0

15678/0x9045d: getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/parent\0", 0x7FF7BA112000, 0x7FF7BA112018) = 0 0

15678/0x9045d: access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr\0", 0x4, 0x0) = 0 0

15678/0x9045d: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr\0", 0x0, 0x0) = 3 0

15678/0x9045d: fstat64(0x3, 0x7F84BE704530, 0x0) = 0 0

15678/0x9045d: csrctl(0x0, 0x7FF7BA11225C, 0x4) = -1 1

15678/0x9045d: fgetattrlist(0x3, 0x7FF7BA112270, 0x7FF7BA112290) = 0 0

15678/0x9045d: \_\_mac\_syscall(0x7FF80F7A36A4, 0x2, 0x7FF7BA112290) = 0 0

15678/0x9045d: fcntl(0x3, 0x32, 0x7FF7BA111F10) = 0 0

15678/0x9045d: close(0x3) = 0 0

15678/0x9045d: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/Info.plist\0", 0x0, 0x0) = -1 2

15678/0x9045d: proc\_info(0x2, 0x3D3E, 0xD) = 64 0

15678/0x9045d: csops\_audittoken(0x3D3E, 0x10, 0x7FF7BA112260) = -1 22

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

15678/0x9045d: csops(0x3D3E, 0x0, 0x7FF7BA1126C4) = 0 0

15678/0x9045d: mprotect(0x106300000, 0x40000, 0x3) = 0 0

15678/0x9045d: getrlimit(0x1008, 0x7FF7BA112FA0, 0x0) = 0 0

15678/0x9045d: fstat64(0x0, 0x7FF7BA112F88, 0x0) = 0 0

15678/0x9045d: ioctl(0x0, 0x4004667A, 0x7FF7BA112FD4) = 0 0

test\_ok.txt

(child)ftruncate: here is a problem

: Invalid argument

shm\_open: here is a problem

: No such file or directory

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #13 at DIF offset 68

15678/0x9045d: open("test\_ok.txt\0", 0x0, 0x0) = 3 0

15678/0x9045d: fstat64(0x3, 0x7FF7BA113690, 0x0) = 0 0

15678/0x9045d: fork() = 15683 0

15683/0x904f3: fork() = 0 0

15683/0x904f3: thread\_selfid(0x0, 0x0, 0x0) = 591091 0

15683/0x904f3: bsdthread\_register(0x7FF8043E2B9C, 0x7FF8043E2B88, 0x2000) = -1 22

15683/0x904f3: mprotect(0x106216000, 0x98, 0x3) = 0 0

15683/0x904f3: mprotect(0x106216000, 0x98, 0x1) = 0 0

15683/0x904f3: dup2(0x3, 0x0, 0x0) = 0 0

dtrace: error on enabled probe ID 1688 (ID 287: syscall::execve:return): invalid address (0x105deff20) in action #12 at DIF offset 12

15683/0x904f4: fork() = 0 0

15683/0x904f4: mprotect(0x104451000, 0x8000, 0x1) = 0 0

15683/0x904f4: thread\_selfid(0x0, 0x0, 0x0) = 591092 0

15683/0x904f4: shared\_region\_check\_np(0x7FF7BC285900, 0x0, 0x0) = 0 0

15683/0x904f4: thread\_selfid(0x0, 0x0, 0x0) = 591092 0

15683/0x904f4: getpid(0x0, 0x0, 0x0) = 15683 0

15683/0x904f4: proc\_info(0xF, 0x3D43, 0x0) = 0 0

15683/0x904f4: munmap(0x1043B1000, 0xA0000) = 0 0

15683/0x904f4: munmap(0x104451000, 0x8000) = 0 0

15683/0x904f4: munmap(0x104459000, 0x4000) = 0 0

15683/0x904f4: munmap(0x10445D000, 0x4000) = 0 0

15683/0x904f4: munmap(0x104461000, 0x58000) = 0 0

15683/0x904f4: open(".\0", 0x100000, 0x0) = 4 0

15683/0x904f4: fcntl(0x4, 0x32, 0x7FF7BC285290) = 0 0

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: fsgetpath(0x7FF7BC2852A0, 0x400, 0x7FF7BC285288) = 57 0

15683/0x904f4: fsgetpath(0x7FF7BC2852A0, 0x400, 0x7FF7BC285288) = 14 0

15683/0x904f4: csrctl(0x0, 0x7FF7BC2856AC, 0x4) = -1 1

15683/0x904f4: \_\_mac\_syscall(0x7FF8040EFE3B, 0x2, 0x7FF7BC285510) = 0 0

15683/0x904f4: csrctl(0x0, 0x7FF7BC2856BC, 0x4) = -1 1

15683/0x904f4: \_\_mac\_syscall(0x7FF8040ECDC6, 0x5A, 0x7FF7BC285650) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

15683/0x904f4: open("/\0", 0x20100000, 0x0) = 4 0

15683/0x904f4: openat(0x4, "System/Cryptexes/OS\0", 0x100000, 0x0) = 5 0

15683/0x904f4: dup(0x5, 0x0, 0x0) = 6 0

15683/0x904f4: fstatat64(0x5, 0x7FF7BC2843F1, 0x7FF7BC2847F0) = 0 0

15683/0x904f4: openat(0x5, "System/Library/dyld/\0", 0x100000, 0x0) = 7 0

15683/0x904f4: fcntl(0x7, 0x32, 0x7FF7BC284480) = 0 0

15683/0x904f4: dup(0x7, 0x0, 0x0) = 8 0

15683/0x904f4: dup(0x6, 0x0, 0x0) = 9 0

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: close(0x6) = 0 0

15683/0x904f4: close(0x5) = 0 0

15683/0x904f4: close(0x7) = 0 0

15683/0x904f4: shared\_region\_check\_np(0x7FF7BC284D68, 0x0, 0x0) = 0 0

15683/0x904f4: fsgetpath(0x7FF7BC2852D0, 0x400, 0x7FF7BC285208) = 83 0

15683/0x904f4: fcntl(0x9, 0x32, 0x7FF7BC2852D0) = 0 0

15683/0x904f4: close(0x9) = 0 0

15683/0x904f4: close(0x8) = 0 0

15683/0x904f4: getfsstat64(0x0, 0x0, 0x2) = 7 0

15683/0x904f4: getfsstat64(0x104202AA0, 0x3B48, 0x2) = 7 0

15683/0x904f4: getattrlist("/\0", 0x7FF7BC285210, 0x7FF7BC285180) = 0 0

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7BC285548, 0x0) = 0 0

dtrace: error on enabled probe ID 1690 (ID 845: syscall::stat64:return): invalid address (0x0) in action #12 at DIF offset 12

15683/0x904f4: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/child\0", 0x7FF7BC2849E0, 0x0) = 0 0

15683/0x904f4: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/child\0", 0x0, 0x0) = 4 0

15683/0x904f4: mmap(0x0, 0x8270, 0x1, 0x40002, 0x4, 0x0) = 0x103C86000 0

15683/0x904f4: fcntl(0x4, 0x32, 0x7FF7BC284AF0) = 0 0

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: munmap(0x103C86000, 0x8270) = 0 0

15683/0x904f4: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/child\0", 0x7FF7BC284F40, 0x0) = 0 0

15683/0x904f4: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BC283F50, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7BC283F00, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BC283F50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libobjc.A.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libxpc.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++abi.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdyld.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libquarantine.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libmacho.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libunwind.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/liboah.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/liboah.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/liboah.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcopyfile.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libremovefile.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libkeymgr.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcache.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7BC281B50, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7BC281B40, 0x0) = -1 2

15683/0x904f4: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7BC281BA0, 0x0) = -1 2

15683/0x904f4: open("/dev/dtracehelper\0", 0x2, 0x0) = 4 0

15683/0x904f4: ioctl(0x4, 0x80086804, 0x7FF7BC283B38) = 0 0

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/child\0", 0x0, 0x0) = 4 0

15683/0x904f4: \_\_mac\_syscall(0x7FF8040EFE3B, 0x2, 0x7FF7BC2830F0) = 0 0

15683/0x904f4: map\_with\_linking\_np(0x7FF7BC2830A0, 0x1, 0x7FF7BC2830D0) = -1 22

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: mprotect(0x103C7E000, 0x4000, 0x1) = 0 0

15683/0x904f4: shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x1) = 0 0

15683/0x904f4: access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

15683/0x904f4: bsdthread\_register(0x7FF8043E2B9C, 0x7FF8043E2B88, 0x2000) = 1073742303 0

15683/0x904f4: getpid(0x0, 0x0, 0x0) = 15683 0

15683/0x904f4: shm\_open(0x7FF804285F42, 0x0, 0x4284388) = 4 0

15683/0x904f4: fstat64(0x4, 0x7FF7BC284060, 0x0) = 0 0

15683/0x904f4: mmap(0x0, 0x4000, 0x1, 0x40001, 0x4, 0x0) = 0x103C88000 0

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: ioctl(0x2, 0x4004667A, 0x7FF7BC284124) = 0 0

15683/0x904f4: mprotect(0x103C91000, 0x1000, 0x0) = 0 0

15683/0x904f4: mprotect(0x103C98000, 0x1000, 0x0) = 0 0

15683/0x904f4: mprotect(0x103C99000, 0x1000, 0x0) = 0 0

15683/0x904f4: mprotect(0x103CA0000, 0x1000, 0x0) = 0 0

15683/0x904f4: mprotect(0x103C8C000, 0x98, 0x1) = 0 0

15683/0x904f4: mprotect(0x103C8C000, 0x98, 0x3) = 0 0

15683/0x904f4: mprotect(0x103C8C000, 0x98, 0x1) = 0 0

15683/0x904f4: mprotect(0x103CA1000, 0x1000, 0x1) = 0 0

15683/0x904f4: mprotect(0x103CA2000, 0x98, 0x1) = 0 0

15683/0x904f4: mprotect(0x103CA2000, 0x98, 0x3) = 0 0

15683/0x904f4: mprotect(0x103CA2000, 0x98, 0x1) = 0 0

15683/0x904f4: mprotect(0x103C8C000, 0x98, 0x3) = 0 0

15683/0x904f4: mprotect(0x103C8C000, 0x98, 0x1) = 0 0

15683/0x904f4: mprotect(0x103CA1000, 0x1000, 0x3) = 0 0

15683/0x904f4: mprotect(0x103CA1000, 0x1000, 0x1) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x3) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x1) = 0 0

15683/0x904f4: issetugid(0x0, 0x0, 0x0) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x3) = 0 0

15683/0x904f4: getentropy(0x7FF7BC283950, 0x20, 0x0) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x1) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x3) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x1) = 0 0

15683/0x904f4: getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/child\0", 0x7FF7BC284000, 0x7FF7BC284018) = 0 0

15683/0x904f4: access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr\0", 0x4, 0x0) = 0 0

15683/0x904f4: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr\0", 0x0, 0x0) = 4 0

15683/0x904f4: fstat64(0x4, 0x7F9BC8704530, 0x0) = 0 0

15683/0x904f4: csrctl(0x0, 0x7FF7BC28425C, 0x4) = -1 1

15683/0x904f4: fgetattrlist(0x4, 0x7FF7BC284270, 0x7FF7BC284290) = 0 0

15683/0x904f4: \_\_mac\_syscall(0x7FF80F7A36A4, 0x2, 0x7FF7BC284290) = 0 0

15683/0x904f4: fcntl(0x4, 0x32, 0x7FF7BC283F10) = 0 0

15683/0x904f4: close(0x4) = 0 0

15683/0x904f4: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab3/scr/Info.plist\0", 0x0, 0x0) = -1 2

15683/0x904f4: proc\_info(0x2, 0x3D43, 0xD) = 64 0

15683/0x904f4: csops\_audittoken(0x3D43, 0x10, 0x7FF7BC284260) = -1 22

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

15683/0x904f4: csops(0x3D43, 0x0, 0x7FF7BC2846C4) = 0 0

15683/0x904f4: mprotect(0x104200000, 0x40000, 0x3) = 0 0

15683/0x904f4: shm\_open(0x103C7DEF8, 0x202, 0x180) = 4 0

15683/0x904f4: fstat64(0x0, 0x7FF7BC2856B8, 0x0) = 0 0

15683/0x904f4: ftruncate(0x4, 0x29, 0x0) = -1 22

15683/0x904f4: writev\_nocancel(0x2, 0x7FF7BC284E20, 0x4) = 56 0

15683/0x904f4: shm\_unlink(0x103C7DEF8, 0x0, 0x0) = 0 0

15683/0x904f4: close(0x4) = 0 0

15678/0x9045d: wait4(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 15683 0

15678/0x9045d: shm\_open(0x105DEFF38, 0x0, 0x180) = -1 2

15678/0x9045d: writev\_nocancel(0x2, 0x7FF7BA112E00, 0x4) = 57 0

Lab4

mishazhadnov@McB-airmi build % sudo dtruss ./prog\_d

dtrace: system integrity protection is on, some features will not be available

SYSCALL(args) = return

munmap(0x1118BC000, 0xA0000) = 0 0

munmap(0x11195C000, 0x8000) = 0 0

munmap(0x111964000, 0x4000) = 0 0

munmap(0x111968000, 0x4000) = 0 0

munmap(0x11196C000, 0x58000) = 0 0

open(".\0", 0x100000, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B253B290) = 0 0

close(0x3) = 0 0

fsgetpath(0x7FF7B253B2A0, 0x400, 0x7FF7B253B288) = 64 0

fsgetpath(0x7FF7B253B2A0, 0x400, 0x7FF7B253B288) = 14 0

csrctl(0x0, 0x7FF7B253B6AC, 0x4) = -1 1

Select the number of command:

0) Change contract

1) Call 'float SinIntegral(float A, float B, float e)'

2) Call 'void Sort(int\* arr, int n)'

\_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B253B510) = 0 0

csrctl(0x0, 0x7FF7B253B6BC, 0x4) = -1 1

\_\_mac\_syscall(0x7FF815B05DC6, 0x5A, 0x7FF7B253B650) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

open("/\0", 0x20100000, 0x0) = 3 0

openat(0x3, "System/Cryptexes/OS\0", 0x100000, 0x0) = 4 0

dup(0x4, 0x0, 0x0) = 5 0

fstatat64(0x4, 0x7FF7B253A3F1, 0x7FF7B253A7F0) = 0 0

openat(0x4, "System/Library/dyld/\0", 0x100000, 0x0) = 6 0

fcntl(0x6, 0x32, 0x7FF7B253A480) = 0 0

dup(0x6, 0x0, 0x0) = 7 0

dup(0x5, 0x0, 0x0) = 8 0

close(0x3) = 0 0

close(0x5) = 0 0

close(0x4) = 0 0

close(0x6) = 0 0

shared\_region\_check\_np(0x7FF7B253AD68, 0x0, 0x0) = 0 0

fsgetpath(0x7FF7B253B2D0, 0x400, 0x7FF7B253B208) = 83 0

fcntl(0x8, 0x32, 0x7FF7B253B2D0) = 0 0

close(0x8) = 0 0

close(0x7) = 0 0

getfsstat64(0x0, 0x0, 0x2) = 7 0

getfsstat64(0x10DF02AA0, 0x3B48, 0x2) = 7 0

getattrlist("/\0", 0x7FF7B253B210, 0x7FF7B253B180) = 0 0

stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7B253B548, 0x0) = 0 0

dtrace: error on enabled probe ID 1690 (ID 845: syscall::stat64:return): invalid address (0x0) in action #11 at DIF offset 12

stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/prog\_d\0", 0x7FF7B253A9E0, 0x0) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/prog\_d\0", 0x0, 0x0) = 3 0

mmap(0x0, 0xC4A8, 0x1, 0x40002, 0x3, 0x0) = 0x10D9D4000 0

fcntl(0x3, 0x32, 0x7FF7B253AAF0) = 0 0

close(0x3) = 0 0

munmap(0x10D9D4000, 0xC4A8) = 0 0

stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/prog\_d\0", 0x7FF7B253AF40, 0x0) = 0 0

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2539F50, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B2539F00, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2539F50, 0x0) = -1 2

stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libobjc.A.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libxpc.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++abi.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdyld.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libquarantine.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libmacho.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libunwind.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/liboah.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/liboah.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/liboah.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libremovefile.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcache.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B2537B50, 0x0) = -1 2

stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B2537B40, 0x0) = -1 2

stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B2537BA0, 0x0) = -1 2

open("/dev/dtracehelper\0", 0x2, 0x0) = 3 0

ioctl(0x3, 0x80086804, 0x7FF7B2539B38) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/prog\_d\0", 0x0, 0x0) = 3 0

\_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B25390F0) = 0 0

map\_with\_linking\_np(0x7FF7B2539090, 0x1, 0x7FF7B25390C0) = -1 22

close(0x3) = 0 0

mprotect(0x10D9C8000, 0x4000, 0x1) = 0 0

shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

mprotect(0x10DF00000, 0x40000, 0x1) = 0 0

access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

bsdthread\_register(0x7FF815DFBB9C, 0x7FF815DFBB88, 0x2000) = 1073742303 0

getpid(0x0, 0x0, 0x0) = 53765 0

shm\_open(0x7FF815C9EF42, 0x0, 0x15C9D388) = 3 0

fstat64(0x3, 0x7FF7B253A060, 0x0) = 0 0

mmap(0x0, 0x4000, 0x1, 0x40001, 0x3, 0x0) = 0x10D9D6000 0

close(0x3) = 0 0

ioctl(0x2, 0x4004667A, 0x7FF7B253A124) = 0 0

mprotect(0x10D9DF000, 0x1000, 0x0) = 0 0

mprotect(0x10D9E6000, 0x1000, 0x0) = 0 0

mprotect(0x10D9E7000, 0x1000, 0x0) = 0 0

mprotect(0x10D9EE000, 0x1000, 0x0) = 0 0

mprotect(0x10D9DA000, 0x98, 0x1) = 0 0

mprotect(0x10D9DA000, 0x98, 0x3) = 0 0

mprotect(0x10D9DA000, 0x98, 0x1) = 0 0

mprotect(0x10D9EF000, 0x1000, 0x1) = 0 0

mprotect(0x10D9F0000, 0x98, 0x1) = 0 0

mprotect(0x10D9F0000, 0x98, 0x3) = 0 0

mprotect(0x10D9F0000, 0x98, 0x1) = 0 0

mprotect(0x10D9DA000, 0x98, 0x3) = 0 0

mprotect(0x10D9DA000, 0x98, 0x1) = 0 0

mprotect(0x10D9EF000, 0x1000, 0x3) = 0 0

mprotect(0x10D9EF000, 0x1000, 0x1) = 0 0

mprotect(0x10DF00000, 0x40000, 0x3) = 0 0

mprotect(0x10DF00000, 0x40000, 0x1) = 0 0

issetugid(0x0, 0x0, 0x0) = 0 0

mprotect(0x10DF00000, 0x40000, 0x3) = 0 0

getentropy(0x7FF7B2539950, 0x20, 0x0) = 0 0

mprotect(0x10DF00000, 0x40000, 0x1) = 0 0

mprotect(0x10DF00000, 0x40000, 0x3) = 0 0

mprotect(0x10DF00000, 0x40000, 0x1) = 0 0

getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/prog\_d\0", 0x7FF7B253A000, 0x7FF7B253A018) = 0 0

access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build\0", 0x4, 0x0) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build\0", 0x0, 0x0) = 3 0

fstat64(0x3, 0x7FA0E6F04530, 0x0) = 0 0

csrctl(0x0, 0x7FF7B253A25C, 0x4) = -1 1

fgetattrlist(0x3, 0x7FF7B253A270, 0x7FF7B253A290) = 0 0

\_\_mac\_syscall(0x7FF8211BC6A4, 0x2, 0x7FF7B253A290) = 0 0

fcntl(0x3, 0x32, 0x7FF7B2539F10) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/Info.plist\0", 0x0, 0x0) = -1 2

proc\_info(0x2, 0xD205, 0xD) = 64 0

csops\_audittoken(0xD205, 0x10, 0x7FF7B253A260) = -1 22

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #10 at DIF offset 28

csops(0xD205, 0x0, 0x7FF7B253A6C4) = 0 0

mprotect(0x10DF00000, 0x40000, 0x3) = 0 0

open("liblib1\_d.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B253A870) = 0 0

close(0x3) = 0 0

stat64("liblib1\_d.dylib\0", 0x7FF7B253A430, 0x0) = 0 0

stat64("liblib1\_d.dylib\0", 0x7FF7B2539E90, 0x0) = 0 0

open("liblib1\_d.dylib\0", 0x0, 0x0) = 3 0

mmap(0x0, 0x8108, 0x1, 0x40002, 0x3, 0x0) = 0x10D9F8000 0

fcntl(0x3, 0x32, 0x7FF7B2539FA0) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/liblib1\_d.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x62, 0x7FF7B2539C78) = 0 0

mmap(0x10DA01000, 0x4000, 0x5, 0x40012, 0x3, 0x0) = 0x10DA01000 0

mmap(0x10DA05000, 0x4000, 0x3, 0x40012, 0x3, 0x4000) = 0x10DA05000 0

mmap(0x10DA09000, 0x4000, 0x1, 0x40012, 0x3, 0x8000) = 0x10DA09000 0

close(0x3) = 0 0

munmap(0x10D9F8000, 0x8108) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/liblib1\_d.dylib\0", 0x0, 0x0) = 3 0

close(0x3) = 0 0

mprotect(0x10DA05000, 0x4000, 0x1) = 0 0

getrlimit(0x1008, 0x7FF7B253B3F0, 0x0) = 0 0

fstat64(0x1, 0x7FF7B253B3D8, 0x0) = 0 0

ioctl(0x1, 0x4004667A, 0x7FF7B253B424) = 0 0

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

fstat64(0x0, 0x7FF7B253B578, 0x0) = 0 0

ioctl(0x0, 0x4004667A, 0x7FF7B253B5C4) = 0 0

0

Contract has been changed

Contract is second

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

munmap(0x10DA01000, 0xC000) = 0 0

open("liblib2\_d.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x32, 0x7FF7B253A860) = 0 0

close(0x3) = 0 0

stat64("liblib2\_d.dylib\0", 0x7FF7B253A420, 0x0) = 0 0

stat64("liblib2\_d.dylib\0", 0x7FF7B2539E80, 0x0) = 0 0

open("liblib2\_d.dylib\0", 0x0, 0x0) = 3 0

mmap(0x0, 0x8140, 0x1, 0x40002, 0x3, 0x0) = 0x10D9F8000 0

fcntl(0x3, 0x32, 0x7FF7B2539F90) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/liblib2\_d.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x62, 0x7FF7B2539C68) = 0 S\_labs\_3t/lab4/src/build/prog\_d0

mmap(0x10DA01000, 0x4000, 0x5, 0x40012, 0x3, 0x0) = 0x10DA01000 0

mmap(0x10DA05000, 0x4000, 0x3, 0x40012, 0x3, 0x4000) = 0x10DA05000 0

mmap(0x10DA09000, 0x4000, 0x1, 0x40012, 0x3, 0x8000) = 0x10DA09000 0

close(0x3) = 0 0

munmap(0x10D9F8000, 0x8140) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/liblib2\_d.dylib\0", 0x0, 0x0) = 3 P�S��0

close(0x3) = 0 0

mprotect(0x10DA05000, 0x4000, 0x1) = 0 0

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

1

Type values of A, B and e (with space between): dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

0 2 0.1

Result is 1.414966

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

0

Contract has been changed

Contract is first

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

munmap(0x10DA01000, 0xC000) = 0 0

open("liblib1\_d.dylib\0", 0x0, 0x0) = 3 ��ʆ0

fcntl(0x3, 0x32, 0x7FF7B253A860) = 0 0

close(0x3) = 0 0

stat64("liblib1\_d.dylib\0", 0x7FF7B253A420, 0x0) = 0 0

stat64("liblib1\_d.dylib\0", 0x7FF7B2539E80, 0x0) = 0 stat640

open("liblib1\_d.dylib\0", 0x0, 0x0) = 3 stat640

mmap(0x0, 0x8108, 0x1, 0x40002, 0x3, 0x0) = 0x10D9F8000 0

fcntl(0x3, 0x32, 0x7FF7B2539F90) = 0 0

close(0x3) = 0 0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/liblib1\_d.dylib\0", 0x0, 0x0) = 3 0

fcntl(0x3, 0x62, 0x7FF7B2539C68) = 0 0

mmap(0x10DA01000, 0x4000, 0x5, 0x40012, 0x3, 0x0) = 0x10DA01000 0

mmap(0x10DA05000, 0x4000, 0x3, 0x40012, 0x3, 0x4000) = 0x10DA05000 0

mmap(0x10DA09000, 0x4000, 0x1, 0x40012, 0x3, 0x8000) = 0x10DA09000 0

close(0x3) = 0 ����0

munmap(0x10D9F8000, 0x8108) = 0 Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib0

open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab4/src/build/liblib1\_d.dylib\0", 0x0, 0x0) = 3 0

close(0x3) = 0 0

mprotect(0x10DA05000, 0x4000, 0x1) = 0 0

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

1

Type values of A, B and e (with space between): dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

0 2 0.1

Result is 1.369502

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #12 at DIF offset 68

Lab5-7

mishazhadnov@McB-airmi build % sudo dtruss -f ./client

dtrace: system integrity protection is on, some features will not be available

PID/THRD SYSCALL(args) = return

84911/0x7129df: fork() = 0 0

84911/0x7129df: munmap(0x1189CD000, 0xA0000) = 0 0

84911/0x7129df: munmap(0x118A6D000, 0x8000) = 0 0

84911/0x7129df: munmap(0x118A75000, 0x4000) = 0 0

84911/0x7129df: munmap(0x118A79000, 0x4000) = 0 0

84911/0x7129df: munmap(0x118A7D000, 0x58000) = 0 0

84911/0x7129df: open(".\0", 0x100000, 0x0) = 3 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC7280) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: fsgetpath(0x7FF7B2EC7290, 0x400, 0x7FF7B2EC7278) = 62 0

84911/0x7129df: fsgetpath(0x7FF7B2EC7290, 0x400, 0x7FF7B2EC7278) = 14 0

84911/0x7129df: csrctl(0x0, 0x7FF7B2EC769C, 0x4) = -1 1

84911/0x7129df: \_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B2EC7500) = 0 0

84911/0x7129df: csrctl(0x0, 0x7FF7B2EC76AC, 0x4) = -1 1

84911/0x7129df: \_\_mac\_syscall(0x7FF815B05DC6, 0x5A, 0x7FF7B2EC7640) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

84911/0x7129df: open("/\0", 0x20100000, 0x0) = 3 0

84911/0x7129df: openat(0x3, "System/Cryptexes/OS\0", 0x100000, 0x0) = 4 0

84911/0x7129df: dup(0x4, 0x0, 0x0) = 5 0

84911/0x7129df: fstatat64(0x4, 0x7FF7B2EC63E1, 0x7FF7B2EC67E0) = 0 0

84911/0x7129df: openat(0x4, "System/Library/dyld/\0", 0x100000, 0x0) = 6 0

84911/0x7129df: fcntl(0x6, 0x32, 0x7FF7B2EC6470) = 0 0

84911/0x7129df: dup(0x6, 0x0, 0x0) = 7 0

84911/0x7129df: dup(0x5, 0x0, 0x0) = 8 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: close(0x5) = 0 0

84911/0x7129df: close(0x4) = 0 0

84911/0x7129df: close(0x6) = 0 0

84911/0x7129df: shared\_region\_check\_np(0x7FF7B2EC6D58, 0x0, 0x0) = 0 0

84911/0x7129df: fsgetpath(0x7FF7B2EC72C0, 0x400, 0x7FF7B2EC71F8) = 83 0

84911/0x7129df: fcntl(0x8, 0x32, 0x7FF7B2EC72C0) = 0 0

84911/0x7129df: close(0x8) = 0 0

84911/0x7129df: close(0x7) = 0 0

84911/0x7129df: getfsstat64(0x0, 0x0, 0x2) = 7 0

84911/0x7129df: getfsstat64(0x10D602AA0, 0x3B48, 0x2) = 7 0

84911/0x7129df: getattrlist("/\0", 0x7FF7B2EC7200, 0x7FF7B2EC7170) = 0 0

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7B2EC7538, 0x0) = 0 0

dtrace: error on enabled probe ID 1690 (ID 845: syscall::stat64:return): invalid address (0x0) in action #12 at DIF offset 12

84911/0x7129df: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/client\0", 0x7FF7B2EC69D0, 0x0) = 0 0

84911/0x7129df: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/client\0", 0x0, 0x0) = 3 0

84911/0x7129df: mmap(0x0, 0x25418, 0x1, 0x40002, 0x3, 0x0) = 0x10D064000 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC6AE0) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: munmap(0x10D064000, 0x25418) = 0 0

84911/0x7129df: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/client\0", 0x7FF7B2EC6F30, 0x0) = 0 0

84911/0x7129df: open("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC6380) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: stat64("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x7FF7B2EC5F40, 0x0) = 0 0

84911/0x7129df: stat64("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x7FF7B2EC59A0, 0x0) = 0 0

84911/0x7129df: open("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: mmap(0x0, 0x91C08, 0x1, 0x40002, 0x3, 0x0) = 0x10D064000 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC5AB0) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: open("/usr/local/Cellar/zeromq/4.3.5\_1/lib/libzmq.5.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: fcntl(0x3, 0x62, 0x7FF7B2EC5768) = 0 0

84911/0x7129df: mmap(0x10D501000, 0x54000, 0x5, 0x40012, 0x3, 0x0) = 0x10D501000 0

84911/0x7129df: mmap(0x10D555000, 0x8000, 0x3, 0x40012, 0x3, 0x54000) = 0x10D555000 0

84911/0x7129df: mmap(0x10D55D000, 0x4000, 0x3, 0x40012, 0x3, 0x5C000) = 0x10D55D000 0

84911/0x7129df: mmap(0x10D561000, 0x34000, 0x1, 0x40012, 0x3, 0x60000) = 0x10D561000 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: munmap(0x10D064000, 0x91C08) = 0 0

84911/0x7129df: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC5F40, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC5EF0, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC5F40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libobjc.A.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libxpc.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++abi.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdyld.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libquarantine.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libmacho.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libunwind.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/liboah.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/liboah.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/liboah.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libremovefile.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC3B40, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B2EC3B30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B2EC3B90, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5F40, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5EF0, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5F40, 0x0) = -1 2

84911/0x7129df: open("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC62A0) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: stat64("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x7FF7B2EC5E60, 0x0) = 0 0

84911/0x7129df: stat64("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x7FF7B2EC58C0, 0x0) = 0 0

84911/0x7129df: open("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: mmap(0x0, 0x76C48, 0x1, 0x40002, 0x3, 0x0) = 0x10D064000 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC59D0) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: open("/usr/local/Cellar/libsodium/1.0.19/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: fcntl(0x3, 0x62, 0x7FF7B2EC5688) = 0 0

84911/0x7129df: mmap(0x10D641000, 0x60000, 0x5, 0x40012, 0x3, 0x0) = 0x10D641000 0

84911/0x7129df: mmap(0x10D6A1000, 0x4000, 0x3, 0x40012, 0x3, 0x60000) = 0x10D6A1000 0

84911/0x7129df: mmap(0x10D6A5000, 0x4000, 0x3, 0x40012, 0x3, 0x64000) = 0x10D6A5000 0

84911/0x7129df: mmap(0x10D6A9000, 0x10000, 0x1, 0x40012, 0x3, 0x68000) = 0x10D6A9000 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: munmap(0x10D064000, 0x76C48) = 0 0

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5E60, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5E10, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5E60, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC5E60, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC5E10, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B2EC5E60, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5D80, 0x0) = -1 2

84911/0x7129df: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5D30, 0x0) = -1 2

84911/0x7129df: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B2EC5D80, 0x0) = -1 2

84911/0x7129df: open("/dev/dtracehelper\0", 0x2, 0x0) = 3 0

84911/0x7129df: ioctl(0x3, 0x80086804, 0x7FF7B2EC5A78) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/client\0", 0x0, 0x0) = 3 0

84911/0x7129df: \_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B2EC50C0) = 0 0

84911/0x7129df: map\_with\_linking\_np(0x7FF7B2EC4B50, 0x1, 0x7FF7B2EC4B80) = -1 22

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: mprotect(0x10D048000, 0x4000, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D555000, 0x8000, 0x1) = 0 0

84911/0x7129df: open("/usr/local/Cellar/libsodium/1.0.19/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84911/0x7129df: \_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B2EC50C0) = 0 0

84911/0x7129df: map\_with\_linking\_np(0x7FF7B2EC4F80, 0x1, 0x7FF7B2EC4FB0) = -1 22

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: mprotect(0x10D6A1000, 0x4000, 0x1) = 0 0

84911/0x7129df: shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x1) = 0 0

84911/0x7129df: access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

84911/0x7129df: bsdthread\_register(0x7FF815DFBB9C, 0x7FF815DFBB88, 0x2000) = 1073742303 0

84911/0x7129df: getpid(0x0, 0x0, 0x0) = 84911 0

84911/0x7129df: shm\_open(0x7FF815C9EF42, 0x0, 0x15C9D388) = 3 0

84911/0x7129df: fstat64(0x3, 0x7FF7B2EC6030, 0x0) = 0 0

84911/0x7129df: mmap(0x0, 0x4000, 0x1, 0x40001, 0x3, 0x0) = 0x10D066000 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: ioctl(0x2, 0x4004667A, 0x7FF7B2EC60F4) = 0 0

84911/0x7129df: mprotect(0x10D06F000, 0x1000, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D076000, 0x1000, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D077000, 0x1000, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D07E000, 0x1000, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D06A000, 0x98, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D06A000, 0x98, 0x3) = 0 0

84911/0x7129df: mprotect(0x10D06A000, 0x98, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D07F000, 0x1000, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D080000, 0x98, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D080000, 0x98, 0x3) = 0 0

84911/0x7129df: mprotect(0x10D080000, 0x98, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D06A000, 0x98, 0x3) = 0 0

84911/0x7129df: mprotect(0x10D06A000, 0x98, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D07F000, 0x1000, 0x3) = 0 0

84911/0x7129df: mprotect(0x10D07F000, 0x1000, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x3) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x1) = 0 0

84911/0x7129df: issetugid(0x0, 0x0, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x3) = 0 0

84911/0x7129df: getentropy(0x7FF7B2EC58C0, 0x20, 0x0) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x1) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x3) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x1) = 0 0

84911/0x7129df: getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/client\0", 0x7FF7B2EC5FD0, 0x7FF7B2EC5FE8) = 0 0

84911/0x7129df: access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build\0", 0x4, 0x0) = 0 0

84911/0x7129df: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build\0", 0x0, 0x0) = 3 0

84911/0x7129df: fstat64(0x3, 0x7FE2E77042E0, 0x0) = 0 0

84911/0x7129df: csrctl(0x0, 0x7FF7B2EC622C, 0x4) = -1 1

84911/0x7129df: fgetattrlist(0x3, 0x7FF7B2EC6240, 0x7FF7B2EC6260) = 0 0

84911/0x7129df: \_\_mac\_syscall(0x7FF8211BC6A4, 0x2, 0x7FF7B2EC6260) = 0 0

84911/0x7129df: fcntl(0x3, 0x32, 0x7FF7B2EC5EE0) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/Info.plist\0", 0x0, 0x0) = -1 2

84911/0x7129df: proc\_info(0x2, 0x14BAF, 0xD) = 64 0

84911/0x7129df: csops\_audittoken(0x14BAF, 0x10, 0x7FF7B2EC6230) = -1 22

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

84911/0x7129df: csops(0x14BAF, 0x0, 0x7FF7B2EC6694) = 0 0

84911/0x7129df: mprotect(0x10D600000, 0x40000, 0x3) = 0 0

84911/0x7129df: socketpair(0x1, 0x1, 0x0) = 0 0

84911/0x7129df: fcntl(0x3, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x4, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x3, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0x3, 0x4, 0x6) = 0 0

84911/0x7129df: fcntl(0x4, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0x4, 0x4, 0x6) = 0 0

84911/0x7129df: open("/dev/urandom\0", 0x0, 0x0) = 5 0

84911/0x7129df: fstat64(0x5, 0x7FF7B2EC7100, 0x0) = 0 0

84911/0x7129df: fcntl(0x5, 0x1, 0x0) = 0 0

84911/0x7129df: fcntl(0x5, 0x2, 0x1) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1713 (ID 175: syscall::read:return): invalid kernel access in action #13 at DIF offset 68

84911/0x7129df: socketpair(0x1, 0x1, 0x0) = 0 0

84911/0x7129df: fcntl(0x6, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x7, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x6, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0x6, 0x4, 0x6) = 0 0

84911/0x7129df: fcntl(0x7, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0x7, 0x4, 0x6) = 0 0

84911/0x7129df: kqueue(0x0, 0x0, 0x0) = 8 0

84911/0x7129df: kevent(0x8, 0x7FF7B2EC7140, 0x1) = 0 0

84911/0x7129df: bsdthread\_create(0x10D536590, 0x600000E04040, 0x700003AC3000) = 61616128 0

84911/0x7129e8: fork() = 0 0

84911/0x7129e8: thread\_selfid(0x0, 0x0, 0x0) = 7416296 0

84911/0x7129df: socketpair(0x1, 0x1, 0x0) = 0 0

84911/0x7129df: fcntl(0x9, 0x2, 0x1) = 0 0

84911/0x7129e8: \_\_pthread\_sigmask(0x1, 0x700003AC2F94, 0x0) = 0 0

84911/0x7129df: fcntl(0xA, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x9, 0x3, 0x0) = 2 0

84911/0x7129e8: proc\_info(0x5, 0x14BAF, 0x2) = 0 0

84911/0x7129df: fcntl(0x9, 0x4, 0x6) = 0 0

84911/0x7129df: fcntl(0xA, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0xA, 0x4, 0x6) = 0 0

84911/0x7129df: kqueue(0x0, 0x0, 0x0) = 11 0

84911/0x7129df: kevent(0xB, 0x7FF7B2EC7140, 0x1) = 0 0

84911/0x7129df: bsdthread\_create(0x10D536590, 0x600000E04100, 0x700003B46000) = 62152704 0

84911/0x7129e9: fork() = 0 0

84911/0x7129e9: thread\_selfid(0x0, 0x0, 0x0) = 7416297 0

84911/0x7129e9: \_\_pthread\_sigmask(0x1, 0x700003B45F94, 0x0) = 0 0

84911/0x7129df: socketpair(0x1, 0x1, 0x0) = 0 0

84911/0x7129e9: proc\_info(0x5, 0x14BAF, 0x2) = 0 0

84911/0x7129df: fcntl(0xC, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0xD, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0xC, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0xC, 0x4, 0x6) = 0 0

84911/0x7129df: fcntl(0xD, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0xD, 0x4, 0x6) = 0 0

84911/0x7129df: socketpair(0x1, 0x1, 0x0) = 0 0

84911/0x7129df: fcntl(0xE, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0xF, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0xE, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0xE, 0x4, 0x6) = 0 0

84911/0x7129df: fcntl(0xF, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0xF, 0x4, 0x6) = 0 0

84911/0x7129df: socketpair(0x1, 0x1, 0x0) = 0 0

84911/0x7129df: fcntl(0x10, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x11, 0x2, 0x1) = 0 0

84911/0x7129df: fcntl(0x10, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0x10, 0x4, 0x6) = 0 0

84911/0x7129df: fcntl(0x11, 0x3, 0x0) = 2 0

84911/0x7129df: fcntl(0x11, 0x4, 0x6) = 0 0

84911/0x7129df: getrlimit(0x1008, 0x7FF7B2EC7000, 0x0) = 0 0

84911/0x7129df: fstat64(0x0, 0x7FF7B2EC6FE8, 0x0) = 0 0

84911/0x7129df: ioctl(0x0, 0x4004667A, 0x7FF7B2EC7034) = 0 0

create 13

OK: 84926

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #13 at DIF offset 68

84911/0x7129df: poll(0x7FF7B2EC6AE0, 0x1, 0x0) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

84911/0x7129df: shm\_open(0x7FF8194560E0, 0x0, 0x0) = 18 0

84911/0x7129df: mmap(0x0, 0x1000, 0x1, 0x40001, 0x12, 0x0) = 0x10D088000 0

84911/0x7129df: close\_nocancel(0x12) = 0 0

84911/0x7129df: socket(0x2, 0x1, 0x6) = 18 0

84911/0x7129df: fcntl(0x12, 0x2, 0x1) = 0 0

84911/0x7129df: setsockopt(0x12, 0xFFFF, 0x1022) = 0 0

84911/0x7129df: fcntl(0x12, 0x2, 0x1) = 0 0

84911/0x7129df: setsockopt(0x12, 0xFFFF, 0x4) = 0 0

84911/0x7129df: bind(0x12, 0x7FE2E7808CC0, 0x10) = 0 0

84911/0x7129df: listen(0x12, 0x64, 0x0) = 0 0

84911/0x7129df: getsockname(0x12, 0x7FF7B2EC6AE8, 0x7FF7B2EC6A8C) = 0 0

84911/0x7129df: getsockname(0x12, 0x7FF7B2EC6B28, 0x7FF7B2EC6ACC) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6A97, 0x1) = 1 0

84911/0x7129df: sendto(0xC, 0x7FF7B2EC6A97, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129df: fork() = 84926 0

84926/0x712c6d: fork() = 0 0

84926/0x712c6d: thread\_selfid(0x0, 0x0, 0x0) = 7416941 sodium.26.dylib0

84926/0x712c6d: bsdthread\_register(0x7FF815DFBB9C, 0x7FF815DFBB88, 0x2000) = -1 22

84926/0x712c6d: mprotect(0x10D080000, 0x98, 0x3) = 0 0

84926/0x712c6d: mprotect(0x10D080000, 0x98, 0x1) = 0 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0x0) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6FA7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0x0) = 0 0

dtrace: error on enabled probe ID 1688 (ID 287: syscall::execve:return): invalid address (0x10d047b89) in action #12 at DIF offset 12

84926/0x712c6e: fork() = 0 ,b��0

84926/0x712c6e: mprotect(0x1159DC000, 0x8000, 0x1) = 0 @b��0

84926/0x712c6e: thread\_selfid(0x0, 0x0, 0x0) = 7416942 0

84926/0x712c6e: shared\_region\_check\_np(0x7FF7B9B588D0, 0x0, 0x0) = 0 20

84926/0x712c6e: thread\_selfid(0x0, 0x0, 0x0) = 7416942 S\_labs\_3t/lab5-7/build/client0

84926/0x712c6e: getpid(0x0, 0x0, 0x0) = 84926 lient0

84926/0x712c6e: proc\_info(0xF, 0x14BBE, 0x0) = 0 0

84926/0x712c6e: munmap(0x11593C000, 0xA0000) = 0 0

84926/0x712c6e: munmap(0x1159DC000, 0x8000) = 0 0

84926/0x712c6e: munmap(0x1159E4000, 0x4000) = 0 0

84926/0x712c6e: munmap(0x1159E8000, 0x4000) = 0 0

84926/0x712c6e: munmap(0x1159EC000, 0x58000) = 0 0

84926/0x712c6e: open(".\0", 0x100000, 0x0) = 3 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B58260) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: fsgetpath(0x7FF7B9B58270, 0x400, 0x7FF7B9B58258) = 62 0

84926/0x712c6e: fsgetpath(0x7FF7B9B58270, 0x400, 0x7FF7B9B58258) = 14 0

84926/0x712c6e: csrctl(0x0, 0x7FF7B9B5867C, 0x4) = -1 1

84926/0x712c6e: \_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B9B584E0) = 0 0

84926/0x712c6e: csrctl(0x0, 0x7FF7B9B5868C, 0x4) = -1 1

84926/0x712c6e: \_\_mac\_syscall(0x7FF815B05DC6, 0x5A, 0x7FF7B9B58620) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

84926/0x712c6e: open("/\0", 0x20100000, 0x0) = 3 0

84926/0x712c6e: openat(0x3, "System/Cryptexes/OS\0", 0x100000, 0x0) = 4 0

84926/0x712c6e: dup(0x4, 0x0, 0x0) = 5 0

84926/0x712c6e: fstatat64(0x4, 0x7FF7B9B573C1, 0x7FF7B9B577C0) = 0 0

84926/0x712c6e: openat(0x4, "System/Library/dyld/\0", 0x100000, 0x0) = 6 0

84926/0x712c6e: fcntl(0x6, 0x32, 0x7FF7B9B57450) = 0 0

84926/0x712c6e: dup(0x6, 0x0, 0x0) = 7 0

84926/0x712c6e: dup(0x5, 0x0, 0x0) = 8 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: close(0x5) = 0 0

84926/0x712c6e: close(0x4) = 0 0

84926/0x712c6e: close(0x6) = 0 0

84926/0x712c6e: shared\_region\_check\_np(0x7FF7B9B57D38, 0x0, 0x0) = 0 0

84926/0x712c6e: fsgetpath(0x7FF7B9B582A0, 0x400, 0x7FF7B9B581D8) = 83 0

84926/0x712c6e: fcntl(0x8, 0x32, 0x7FF7B9B582A0) = 0 0

84926/0x712c6e: close(0x8) = 0 0

84926/0x712c6e: close(0x7) = 0 0

84926/0x712c6e: getfsstat64(0x0, 0x0, 0x2) = 7 0

84926/0x712c6e: getfsstat64(0x106902AA0, 0x3B48, 0x2) = 7 0

84926/0x712c6e: getattrlist("/\0", 0x7FF7B9B581E0, 0x7FF7B9B58150) = 0 0

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/System/Library/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FF7B9B58518, 0x0) = 0 0

dtrace: error on enabled probe ID 1690 (ID 845: syscall::stat64:return): invalid address (0x0) in action #12 at DIF offset 12

84926/0x712c6e: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/server\0", 0x7FF7B9B579B0, 0x0) = 0 0

84926/0x712c6e: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/server\0", 0x0, 0x0) = 3 0

84926/0x712c6e: mmap(0x0, 0x1E9E8, 0x1, 0x40002, 0x3, 0x0) = 0x1063CB000 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B57AC0) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: munmap(0x1063CB000, 0x1E9E8) = 0 0

84926/0x712c6e: stat64("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/server\0", 0x7FF7B9B57F10, 0x0) = 0 0

84926/0x712c6e: open("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B57360) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: stat64("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x7FF7B9B56F20, 0x0) = 0 0

84926/0x712c6e: stat64("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x7FF7B9B56980, 0x0) = 0 0

84926/0x712c6e: open("/usr/local/opt/zeromq/lib/libzmq.5.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: mmap(0x0, 0x91C08, 0x1, 0x40002, 0x3, 0x0) = 0x106801000 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B56A90) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: open("/usr/local/Cellar/zeromq/4.3.5\_1/lib/libzmq.5.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: fcntl(0x3, 0x62, 0x7FF7B9B56748) = 0 0

84926/0x712c6e: mmap(0x106941000, 0x54000, 0x5, 0x40012, 0x3, 0x0) = 0x106941000 0

84926/0x712c6e: mmap(0x106995000, 0x8000, 0x3, 0x40012, 0x3, 0x54000) = 0x106995000 0

84926/0x712c6e: mmap(0x10699D000, 0x4000, 0x3, 0x40012, 0x3, 0x5C000) = 0x10699D000 0

84926/0x712c6e: mmap(0x1069A1000, 0x34000, 0x1, 0x40012, 0x3, 0x60000) = 0x1069A1000 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: munmap(0x106801000, 0x91C08) = 0 0

84926/0x712c6e: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B9B56F20, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B9B56ED0, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B9B56F20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libobjc.A.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 close2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 al/opt/zeromq/lib/libzmq.5.dylib2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 al/opt/zeromq/lib/libzmq.5.dylib2

84926/0x712c6e: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 al/opt/zeromq/lib/libzmq.5.dylib2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libxpc.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdispatch.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_featureflags.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++abi.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libc++abi.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libdyld.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_containermanager.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libquarantine.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libmacho.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libunwind.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/liboah.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/liboah.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/liboah.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_collections.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libremovefile.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libcache.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libcache.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B54B20, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B9B54B10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/system/libsystem\_darwindirectory.dylib\0", 0x7FF7B9B54B70, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56F20, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56ED0, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56F20, 0x0) = -1 2

84926/0x712c6e: open("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B57280) = 0 �0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: stat64("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x7FF7B9B56E40, 0x0) = 0 0

84926/0x712c6e: stat64("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x7FF7B9B568A0, 0x0) = 0 0

84926/0x712c6e: open("/usr/local/opt/libsodium/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: mmap(0x0, 0x76C48, 0x1, 0x40002, 0x3, 0x0) = 0x106801000 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B569B0) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: open("/usr/local/Cellar/libsodium/1.0.19/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: fcntl(0x3, 0x62, 0x7FF7B9B56668) = 0 0

84926/0x712c6e: mmap(0x106878000, 0x60000, 0x5, 0x40012, 0x3, 0x0) = 0x106878000 0

84926/0x712c6e: mmap(0x1068D8000, 0x4000, 0x3, 0x40012, 0x3, 0x60000) = 0x1068D8000 0

84926/0x712c6e: mmap(0x1068DC000, 0x4000, 0x3, 0x40012, 0x3, 0x64000) = 0x1068DC000 0

84926/0x712c6e: mmap(0x1068E0000, 0x10000, 0x1, 0x40012, 0x3, 0x68000) = 0x1068E0000 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: munmap(0x106801000, 0x76C48) = 0 0

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56E40, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56DF0, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56E40, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B9B56E40, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libc++.1.dylib\0", 0x7FF7B9B56DF0, 0x0) = -1 @q��2

84926/0x712c6e: stat64("/usr/lib/libc++.1.dylib\0", 0x7FF7B9B56E40, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56D60, 0x0) = -1 2

84926/0x712c6e: stat64("/System/Volumes/Preboot/Cryptexes/OS/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56D10, 0x0) = -1 2

84926/0x712c6e: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FF7B9B56D60, 0x0) = -1 2

84926/0x712c6e: open("/dev/dtracehelper\0", 0x2, 0x0) = 3 0

84926/0x712c6e: ioctl(0x3, 0x80086804, 0x7FF7B9B56A58) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/server\0", 0x0, 0x0) = 3 0

84926/0x712c6e: \_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B9B560A0) = 0 0

84926/0x712c6e: map\_with\_linking\_np(0x7FF7B9B55B30, 0x1, 0x7FF7B9B55B60) = -1 22

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: mprotect(0x1063B3000, 0x4000, 0x1) = 0 0

84926/0x712c6e: mprotect(0x106995000, 0x8000, 0x1) = 0 0

84926/0x712c6e: open("/usr/local/Cellar/libsodium/1.0.19/lib/libsodium.26.dylib\0", 0x0, 0x0) = 3 0

84926/0x712c6e: \_\_mac\_syscall(0x7FF815B08E3B, 0x2, 0x7FF7B9B560A0) = 0 0

84926/0x712c6e: map\_with\_linking\_np(0x7FF7B9B55F60, 0x1, 0x7FF7B9B55F90) = -1 22

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: mprotect(0x1068D8000, 0x4000, 0x1) = 0 0

84926/0x712c6e: shared\_region\_check\_np(0xFFFFFFFFFFFFFFFF, 0x0, 0x0) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x1) = 0 0

84926/0x712c6e: access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 2

84926/0x712c6e: bsdthread\_register(0x7FF815DFBB9C, 0x7FF815DFBB88, 0x2000) = 1073742303 0

84926/0x712c6e: getpid(0x0, 0x0, 0x0) = 84926 0

84926/0x712c6e: shm\_open(0x7FF815C9EF42, 0x0, 0x15C9D388) = 3 0

84926/0x712c6e: fstat64(0x3, 0x7FF7B9B57010, 0x0) = 0 0

84926/0x712c6e: mmap(0x0, 0x4000, 0x1, 0x40001, 0x3, 0x0) = 0x1063CD000 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: ioctl(0x2, 0x4004667A, 0x7FF7B9B570D4) = 0 0

84926/0x712c6e: mprotect(0x1063D6000, 0x1000, 0x0) = 0 0

84926/0x712c6e: mprotect(0x1063DD000, 0x1000, 0x0) = 0 0

84926/0x712c6e: mprotect(0x1063DE000, 0x1000, 0x0) = 0 0

84926/0x712c6e: mprotect(0x1063E5000, 0x1000, 0x0) = 0 0

84926/0x712c6e: mprotect(0x1063D1000, 0x98, 0x1) = 0 0

84926/0x712c6e: mprotect(0x1063D1000, 0x98, 0x3) = 0 0

84926/0x712c6e: mprotect(0x1063D1000, 0x98, 0x1) = 0 0

84926/0x712c6e: mprotect(0x1063E6000, 0x1000, 0x1) = 0 0

84926/0x712c6e: mprotect(0x1063E7000, 0x98, 0x1) = 0 0

84926/0x712c6e: mprotect(0x1063E7000, 0x98, 0x3) = 0 0

84926/0x712c6e: mprotect(0x1063E7000, 0x98, 0x1) = 0 0

84926/0x712c6e: mprotect(0x1063D1000, 0x98, 0x3) = 0 0

84926/0x712c6e: mprotect(0x1063D1000, 0x98, 0x1) = 0 0

84926/0x712c6e: mprotect(0x1063E6000, 0x1000, 0x3) = 0 0

84926/0x712c6e: mprotect(0x1063E6000, 0x1000, 0x1) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x3) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x1) = 0 0

84926/0x712c6e: issetugid(0x0, 0x0, 0x0) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x3) = 0 0

84926/0x712c6e: getentropy(0x7FF7B9B568A0, 0x20, 0x0) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x1) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x3) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x1) = 0 0

84926/0x712c6e: getattrlist("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/server\0", 0x7FF7B9B56FB0, 0x7FF7B9B56FC8) = 0 0

84926/0x712c6e: access("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build\0", 0x4, 0x0) = 0 0

84926/0x712c6e: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build\0", 0x0, 0x0) = 3 0

84926/0x712c6e: fstat64(0x3, 0x7F7E6A704530, 0x0) = 0 0

84926/0x712c6e: csrctl(0x0, 0x7FF7B9B5720C, 0x4) = -1 1

84926/0x712c6e: fgetattrlist(0x3, 0x7FF7B9B57220, 0x7FF7B9B57240) = 0 0

84926/0x712c6e: \_\_mac\_syscall(0x7FF8211BC6A4, 0x2, 0x7FF7B9B57240) = 0 0

84926/0x712c6e: fcntl(0x3, 0x32, 0x7FF7B9B56EC0) = 0 0

84926/0x712c6e: close(0x3) = 0 0

84926/0x712c6e: open("/Users/mishazhadnov/Desktop/wD/OS\_labs\_3t/lab5-7/build/Info.plist\0", 0x0, 0x0) = -1 2

84926/0x712c6e: proc\_info(0x2, 0x14BBE, 0xD) = 64 0

84926/0x712c6e: csops\_audittoken(0x14BBE, 0x10, 0x7FF7B9B57210) = -1 22

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

84926/0x712c6e: csops(0x14BBE, 0x0, 0x7FF7B9B57674) = 0 0

84926/0x712c6e: mprotect(0x106900000, 0x40000, 0x3) = 0 0

84926/0x712c6e: socketpair(0x1, 0x1, 0x0) = 0 0

84926/0x712c6e: fcntl(0x3, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x4, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x3, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x3, 0x4, 0x6) = 0 0

84926/0x712c6e: fcntl(0x4, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x4, 0x4, 0x6) = 0 0

84926/0x712c6e: open("/dev/urandom\0", 0x0, 0x0) = 5 0

84926/0x712c6e: fstat64(0x5, 0x7FF7B9B58190, 0x0) = 0 0

84926/0x712c6e: fcntl(0x5, 0x1, 0x0) = 0 0

84926/0x712c6e: fcntl(0x5, 0x2, 0x1) = 0 0

dtrace: error on enabled probe ID 1741 (ID 573: syscall::sysctl:return): invalid kernel access in action #11 at DIF offset 28

dtrace: error on enabled probe ID 1713 (ID 175: syscall::read:return): invalid kernel access in action #13 at DIF offset 68

84926/0x712c6e: socketpair(0x1, 0x1, 0x0) = 0 0

84926/0x712c6e: fcntl(0x6, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x7, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x6, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x6, 0x4, 0x6) = 0 0

84926/0x712c6e: fcntl(0x7, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x7, 0x4, 0x6) = 0 0

84926/0x712c6e: kqueue(0x0, 0x0, 0x0) = 8 0

84926/0x712c6e: kevent(0x8, 0x7FF7B9B581D0, 0x1) = 0 0

84926/0x712c6e: bsdthread\_create(0x106976590, 0x600003CB0040, 0x70000E6E7000) = 242118656 0

84926/0x712c6e: socketpair(0x1, 0x1, 0x0) = 0 0

84926/0x712c6e: fcntl(0x9, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0xA, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x9, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x9, 0x4, 0x6) = 0 0

84926/0x712c70: fork() = 0 0

84926/0x712c6e: fcntl(0xA, 0x3, 0x0) = 2 0

84926/0x712c70: thread\_selfid(0x0, 0x0, 0x0) = 7416944 0

84926/0x712c6e: fcntl(0xA, 0x4, 0x6) = 0 0

84926/0x712c6e: kqueue(0x0, 0x0, 0x0) = 11 0

84926/0x712c70: \_\_pthread\_sigmask(0x1, 0x70000E6E6F94, 0x0) = 0 0

84926/0x712c6e: kevent(0xB, 0x7FF7B9B581D0, 0x1) = 0 0

84926/0x712c70: proc\_info(0x5, 0x14BBE, 0x2) = 0 stat640

84926/0x712c6e: bsdthread\_create(0x106976590, 0x600003CB0100, 0x70000E76A000) = 242655232 0

84926/0x712c71: fork() = 0 0

84926/0x712c71: thread\_selfid(0x0, 0x0, 0x0) = 7416945 tem/libcompiler\_rt.dylib0

84926/0x712c71: \_\_pthread\_sigmask(0x1, 0x70000E769F94, 0x0) = 0 0

84926/0x712c6e: socketpair(0x1, 0x1, 0x0) = 0 0

84926/0x712c71: proc\_info(0x5, 0x14BBE, 0x2) = 0 0

84926/0x712c6e: fcntl(0xC, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0xD, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0xC, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0xC, 0x4, 0x6) = 0 0

84926/0x712c6e: fcntl(0xD, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0xD, 0x4, 0x6) = 0 0

84926/0x712c6e: socketpair(0x1, 0x1, 0x0) = 0 0

84926/0x712c6e: fcntl(0xE, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0xF, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0xE, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0xE, 0x4, 0x6) = 0 0

84926/0x712c6e: fcntl(0xF, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0xF, 0x4, 0x6) = 0 0

84926/0x712c6e: socketpair(0x1, 0x1, 0x0) = 0 0

84926/0x712c6e: fcntl(0x10, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x11, 0x2, 0x1) = 0 0

84926/0x712c6e: fcntl(0x10, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x10, 0x4, 0x6) = 0 0

84926/0x712c6e: fcntl(0x11, 0x3, 0x0) = 2 0

84926/0x712c6e: fcntl(0x11, 0x4, 0x6) = 0 0

84926/0x712c6e: poll(0x7FF7B9B577E0, 0x1, 0x0) = 0 0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B57797, 0x1) = 1 0

84926/0x712c6e: sendto(0x10, 0x7FF7B9B57797, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c71: shm\_open(0x7FF8194560E0, 0x0, 0x0) = 18 0

84926/0x712c71: mmap(0x0, 0x1000, 0x1, 0x40001, 0x12, 0x0) = 0x1063EF000 0

84926/0x712c71: close\_nocancel(0x12) = 0 0

84926/0x712c71: socket(0x2, 0x1, 0x6) = 18 0

84926/0x712c71: fcntl(0x12, 0x2, 0x1) = 0 0

84926/0x712c71: setsockopt(0x12, 0xFFFF, 0x1022) = 0 0

84926/0x712c71: fcntl(0x12, 0x3, 0x0) = 2 0

84926/0x712c71: fcntl(0x12, 0x4, 0x6) = 0 0

84926/0x712c71: connect(0x12, 0x600001CB01C0, 0x10) = -1 36

84926/0x712c71: kevent(0xB, 0x70000E767DB0, 0x1) = 0 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: accept(0x12, 0x700003B43E10, 0x700003B43E0C) = 19 0

84911/0x7129e9: fcntl(0x13, 0x2, 0x1) = 0 0

84911/0x7129e9: setsockopt(0x13, 0xFFFF, 0x1022) = 0 0

84911/0x7129e9: setsockopt(0x13, 0x6, 0x1) = 0 0

84926/0x712c71: kevent(0xB, 0x70000E767E70, 0x1) = 0 0

84911/0x7129e9: getsockname(0x13, 0x700003B43DD8, 0x700003B43D7C) = 0 0

84926/0x712c71: getsockopt(0x12, 0xFFFF, 0x1007) = 0 0

84926/0x712c71: setsockopt(0x12, 0x6, 0x1) = 0 0

84926/0x712c71: getsockname(0x12, 0x70000E767E58, 0x70000E767DFC) = 0 0

84911/0x7129e9: getpeername(0x13, 0x700003B43DD8, 0x700003B43D7C) = 0 0

84926/0x712c71: getpeername(0x12, 0x70000E767D70, 0x70000E76793C) = 0 0

84926/0x712c71: fcntl(0x12, 0x3, 0x0) = 6 0

84926/0x712c71: fcntl(0x12, 0x4, 0x6) = 0 0

84911/0x7129e9: getpeername(0x13, 0x700003B43D80, 0x700003B4394C) = 0 0

84911/0x7129e9: fcntl(0x13, 0x3, 0x0) = 2 0

84926/0x712c71: sendto(0x9, 0x70000E767D97, 0x1) = 1 0

84911/0x7129e9: fcntl(0x13, 0x4, 0x6) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84911/0x7129e9: sendto(0x9, 0x700003B43D97, 0x1) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767DF0, 0x1) = 0 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767DF0, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008800, 0xC) = -1 35

84911/0x7129e9: kevent(0xB, 0x700003B43DF0, 0x1) = 0 0

84911/0x7129e9: kevent(0xB, 0x700003B43DF0, 0x1) = 0 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 dylib0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E9808800, 0xC) = -1 35

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: sendto(0x12, 0x7F7E6C008840, 0xA) = 10 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 2 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9808840, 0xA) = 10 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E9808800, 0xC) = 10 0

84911/0x7129e9: kevent(0xB, 0x700003B43E20, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008800, 0xC) = 10 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980880A, 0x2) = -1 35

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767E20, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C00880A, 0x2) = -1 35

84911/0x7129e9: sendto(0x13, 0x7FE2E980884A, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: sendto(0x12, 0x7F7E6C00884A, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980880A, 0x2) = 1 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C00880A, 0x2) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E20, 0x1) = 0 0

84926/0x712c71: kevent(0xB, 0x70000E767E20, 0x1) = 0 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980880B, 0x35) = -1 35

84926/0x712c71: recvfrom(0x12, 0x7F7E6C00880B, 0x35) = -1 35

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: sendto(0x13, 0x7FE2E980884B, 0x35) = 53 0

84926/0x712c71: sendto(0x12, 0x7F7E6C00884B, 0x35) = 53 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 ����0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980880B, 0x35) = 53 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C00880B, 0x35) = 53 0

84911/0x7129e9: kevent(0xB, 0x700003B43E80, 0x1) = 0 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = -1 35

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9809000, 0x28) = 40 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: kevent(0xB, 0x70000E767E80, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008A08, 0x2000) = 40 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: sendto(0x10, 0x70000E767D97, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c71: sendto(0x12, 0x7F7E6C808200, 0x1B) = 27 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 Cryptexes/OS/usr/lib/libSystem.B.dylib0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 ����0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 Cryptexes/OS/usr/lib/libSystem.B.dylib0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B57F97, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 27 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84911/0x7129e9: sendto(0xC, 0x700003B43C97, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0xBB8) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6FA7, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E60, 0x1) = 0 0

84911/0x7129e9: kevent(0xB, 0x700003B43E50, 0x1) = 0 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0x0) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6F17, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84911/0x7129e9: sendto(0xC, 0x700003B43CD7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6FA7, 0x1) = 1 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9809000, 0x7) = 7 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0x0) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008A08, 0x2000) = 7 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: sendto(0x10, 0x70000E767E17, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 em.B.dylib0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B580D7, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c6e: poll(0x7FF7B9B581A0, 0x1, 0x0) = 0 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767E10, 0x1) = 0 0

84926/0x712c71: sendto(0x10, 0x70000E767CD7, 0x1) = 1 0

84926/0x712c71: sendto(0x12, 0x7F7E6C808200, 0x9) = 9 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 9 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: sendto(0xC, 0x700003B43E17, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6FA7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0x0) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6ED7, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129df: fstat64(0x1, 0x7FF7B2EC6FE8, 0x0) = 0 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129df: ioctl(0x1, 0x4004667A, 0x7FF7B2EC7034) = 0 0

dtrace: error on enabled probe ID 1712 (ID 963: syscall::write\_nocancel:return): invalid kernel access in action #13 at DIF offset 68

exec 13 myVal 10

OK:13

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #13 at DIF offset 68

84911/0x7129df: poll(0x7FF7B2EC6DE0, 0x1, 0x0) = 0 S\_labs\_3t/lab5-7/build/client0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6D17, 0x1) = 1 lient0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9809000, 0xB) = 11 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008A08, 0x2000) = 11 0

84926/0x712c71: sendto(0x10, 0x70000E767E17, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c6e: poll(0x7FF7B9B581A0, 0x1, 0x0) = 0 0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B58157, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767E10, 0x1) = 0 0

84926/0x712c71: sendto(0x12, 0x7F7E6C808200, 0x9) = 9 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 9 0

84911/0x7129e9: sendto(0xC, 0x700003B43E17, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6DA0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6DA7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6DA0, 0x1, 0x0) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6E17, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9809000, 0x12) = 18 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008A08, 0x2000) = 18 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: sendto(0x10, 0x70000E767E17, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B58157, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 /build/Info.plist0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767E10, 0x1) = 0

0

84926/0x712c71: sendto(0x12, 0x7F7E6C808200, 0x9) = 9 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 9 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: sendto(0xC, 0x700003B43E17, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84911/0x7129df: poll(0x7FF7B2EC6EA0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6EA7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6EA0, 0x1, 0x0) = 0 0

kill

dtrace: error on enabled probe ID 1714 (ID 961: syscall::read\_nocancel:return): invalid kernel access in action #13 at DIF offset 68

84911/0x7129df: poll(0x7FF7B2EC6F20, 0x1, 0x0) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6E57, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 l0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9809000, 0xB) = 11 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008A08, 0x2000) = 11 0

84926/0x712c71: sendto(0x10, 0x70000E767E17, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c6e: poll(0x7FF7B9B581A0, 0x1, 0x0) = 0 0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B58157, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767E10, 0x1) = 0 l0

84926/0x712c71: sendto(0x12, 0x7F7E6C808200, 0x9) = 9 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 9 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84911/0x7129e9: sendto(0xC, 0x700003B43E17, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6EE0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6EE7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6EE0, 0x1, 0x0) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6F57, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84911/0x7129e9: sendto(0x13, 0x7FE2E9809000, 0xA) = 10 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43EC0, 0x1) = 0 0

84926/0x712c71: recvfrom(0x12, 0x7F7E6C008A08, 0x2000) = 10 0

84926/0x712c71: sendto(0x10, 0x70000E767E17, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c6e: recvfrom(0x11, 0x7FF7B9B58167, 0x1) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c6e: sendto(0x9, 0x7FF7B9B58157, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c6e: poll(0x7FF7B9B58160, 0x1, 0x0) = 0 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767E10, 0x1) = 0 0

84926/0x712c6e: sendto(0x6, 0x7FF7B9B58297, 0x1) = 1 0

84926/0x712c71: sendto(0x12, 0x7F7E6C808200, 0x6) = 6 0

84926/0x712c70: kevent(0x8, 0x0, 0x0) = 1 0

84926/0x712c71: sendto(0x10, 0x70000E767D97, 0x1) = 1 0

84926/0x712c70: poll(0x70000E6E4E20, 0x1, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c70: recvfrom(0x7, 0x70000E6E4E27, 0x1) = 1 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 6 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84926/0x712c70: kevent(0x8, 0x70000E6E4DE0, 0x1) = 0 0

84911/0x7129e9: sendto(0xC, 0x700003B43E17, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FE0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767EC0, 0x1) = 0 0

84926/0x712c70: poll(0x70000E6E4E20, 0x1, 0x0) = 0 0

84926/0x712c70: kevent(0x8, 0x0, 0x0) = 1 0

84911/0x7129df: recvfrom(0xD, 0x7FF7B2EC6FE7, 0x1) = 1 0

84926/0x712c70: poll(0x70000E6E4DE0, 0x1, 0x0) = 1 0

84926/0x712c70: recvfrom(0x11, 0x70000E6E4DE7, 0x1) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FE0, 0x1, 0x0) = 0 0

84926/0x712c70: sendto(0x9, 0x70000E6E4CD7, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129df: poll(0x7FF7B2EC6FA0, 0x1, 0x0) = 0 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 1 0

84926/0x712c70: poll(0x70000E6E4DE0, 0x1, 0x0) = 0 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC6FD7, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c71: recvfrom(0xA, 0x70000E767E27, 0x1) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84926/0x712c71: sendto(0x10, 0x70000E767C97, 0x1) = 1 0

84911/0x7129df: sendto(0x6, 0x7FF7B2EC7117, 0x1) = 1 0

84926/0x712c70: kevent(0x8, 0x0, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84926/0x712c71: kevent(0xB, 0x70000E767CA0, 0x1) = 0 0

84911/0x7129e8: kevent(0x8, 0x0, 0x0) = 1 0

84926/0x712c70: poll(0x70000E6E4DE0, 0x1, 0x0) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43DF0, 0x1) = 0 0

84911/0x7129e8: poll(0x700003AC0E20, 0x1, 0x0) = 1 0

84911/0x7129df: sendto(0xC, 0x7FF7B2EC7057, 0x1) = 1 0

84926/0x712c71: close(0x12) = 0 0

84926/0x712c70: recvfrom(0x11, 0x70000E6E4DE7, 0x1) = 1 0

84911/0x7129df: sendto(0xE, 0x7FF7B2EC7057, 0x1) = 1 0

84911/0x7129e8: recvfrom(0x7, 0x700003AC0E27, 0x1) = 1 0

84911/0x7129df: sendto(0x10, 0x7FF7B2EC7057, 0x1) = 1 0

84911/0x7129e9: close(0x12) = 0 0

84911/0x7129e8: kevent(0x8, 0x700003AC0DE0, 0x1) = 0 0

84926/0x712c70: poll(0x70000E6E4DE0, 0x1, 0x0) = 0 0

84911/0x7129e8: kevent(0x8, 0x700003AC0DE0, 0x1) = 0 0

84911/0x7129e9: kevent(0xB, 0x700003B43E10, 0x1) = 0 0

84926/0x712c71: poll(0x70000E767E20, 0x1, 0x0) = 0 0

84926/0x712c70: kevent(0x8, 0x70000E6E4E90, 0x1) = 0 0

84911/0x7129e8: kevent(0x8, 0x700003AC0DA0, 0x1) = 0 0

84911/0x7129e9: kevent(0xB, 0x700003B43E00, 0x1) = 0 0

84911/0x7129e8: close(0x10) = 0 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129e8: close(0x11) = 0 0

84926/0x712c70: sendto(0x6, 0x70000E6E4E17, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84926/0x712c70: close(0x10) = 0 0

84911/0x7129e8: kevent(0x8, 0x700003AC0DE0, 0x1) = 0 0

84911/0x7129e9: recvfrom(0x13, 0x7FE2E980B008, 0x2000) = 0 0

84926/0x712c70: close(0x11) = 0 0

84911/0x7129e8: kevent(0x8, 0x700003AC0DA0, 0x1) = 0 0

84911/0x7129e9: kevent(0xB, 0x700003B43DE0, 0x1) = 0 0

84911/0x7129e8: close(0xE) = 0 0

84926/0x712c70: kevent(0x8, 0x0, 0x0) = 1 0

84911/0x7129e8: close(0xF) = 0 0

84911/0x7129e9: close(0x13) = 0 0

84926/0x712c70: poll(0x70000E6E4E20, 0x1, 0x0) = 1 0

84911/0x7129e8: poll(0x700003AC0E20, 0x1, 0x0) = 0 0

84926/0x712c70: recvfrom(0x7, 0x70000E6E4E27, 0x1) = 1 0

84911/0x7129e8: kevent(0x8, 0x0, 0x0) = 1 0

84911/0x7129e8: poll(0x700003AC0DE0, 0x1, 0x0) = 1 0

84911/0x7129e8: recvfrom(0xD, 0x700003AC0DE7, 0x1) = 1 0

84926/0x712c70: poll(0x70000E6E4E20, 0x1, 0x0) = 0 0

84911/0x7129e8: sendto(0x9, 0x700003AC0CD7, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e8: poll(0x700003AC0DE0, 0x1, 0x0) = 0 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: sendto(0xC, 0x700003B43D97, 0x1) = 1 0

84911/0x7129e8: kevent(0x8, 0x0, 0x0) = 1 0

84911/0x7129e8: poll(0x700003AC0DE0, 0x1, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129e8: recvfrom(0xD, 0x700003AC0DE7, 0x1) = 1 0

84911/0x7129e8: poll(0x700003AC0DE0, 0x1, 0x0) = 0 0

84911/0x7129e8: kevent(0x8, 0x700003AC0E90, 0x1) = 0 0

84911/0x7129e8: sendto(0x6, 0x700003AC0DD7, 0x1) = 1 0

84911/0x7129e8: close(0xC) = 0 0

84911/0x7129e8: close(0xD) = 0 0

84911/0x7129e8: kevent(0x8, 0x0, 0x0) = 1 0

84911/0x7129e8: poll(0x700003AC0E20, 0x1, 0x0) = 1 0

84911/0x7129e8: recvfrom(0x7, 0x700003AC0E27, 0x1) = 1 0

84911/0x7129e8: sendto(0x3, 0x700003AC0D97, 0x1) = 1 0

84911/0x7129e8: kevent(0x8, 0x700003AC0DF0, 0x1) = 0 0

84911/0x7129df: poll(0x7FF7B2EC70E0, 0x1, 0xFFFFFFFFFFFFFFFF) = 1 0

84911/0x7129e8: poll(0x700003AC0E20, 0x1, 0x0) = 0 0

84911/0x7129e8: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

84911/0x7129df: recvfrom(0x4, 0x7FF7B2EC70E7, 0x1) = 1 0

84911/0x7129df: sendto(0x9, 0x7FF7B2EC7017, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x0, 0x0) = 1 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 1 0

84911/0x7129e9: recvfrom(0xA, 0x700003B43E27, 0x1) = 1 0

84911/0x7129e9: kevent(0xB, 0x700003B43DE0, 0x1) = 0 0

84911/0x7129e9: poll(0x700003B43E20, 0x1, 0x0) = 0 0

84911/0x7129e9: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

84911/0x7129e9: ulock\_wake(0x1000002, 0x700003B46034, 0x0) = 0 0

84911/0x7129df: ulock\_wait(0x1020002, 0x700003B46034, 0x90B) = 0 0

84911/0x7129df: close(0xB) = 0 0

84911/0x7129df: close(0x9) = 0 0

84911/0x7129df: close(0xA) = 0 0

84911/0x7129df: close(0x8) = 0 0

84911/0x7129df: close(0x6) = 0 0

84911/0x7129df: close(0x7) = 0 0

84911/0x7129df: close(0x5) = 0 0

84911/0x7129df: close(0x3) = 0 0

84911/0x7129df: close(0x4) = 0 0

84911/0x7129df: lseek(0x0, 0xFFFFFFFFFFFFFFFF, 0x1) = 20657735 0

**Вывод**

В результате выполнения лабораторной работы я понял важность отслеживания системных вызовов при отладке программы.