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: М8О-215Б-23

Студент: Дехетеренко Д.С.

Преподаватель: Миронов Е.С.

Оценка: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Дата: 12.03.25

Москва, 2025

**Постановка задачи**

**Вариант 18.**

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**

Для демонстрации системных вызовов будем использовать утилиту strace в операционной системе linux.

Strace — это диагностическая, отладочная и обучающая утилита пользовательского пространства для Linux. Она используется для мониторинга и вмешательства во взаимодействия между процессами и ядром Linux, включая системные вызовы, доставку сигналов и изменение состояния процесса. Работа strace возможна благодаря функции ядра, известной как ptrace. Наиболее часто он используется для запуска программы и вывода списка системных вызовов, которые она выполняет. Это особенно полезно, когда программа часто аварийно завершает работу или ведет себя непредсказуемо; например, strace может показать, что программа пытается получить доступ к несуществующему или недоступному файлу.

Еще одно полезное применение strace — это использование флага -p для присоединения к уже запущенному процессу. Это может быть полезно, если процесс перестал отвечать, и strace может помочь определить, что процесс заблокирован при попытке установить сетевое соединение.

Кроме того, strace предоставляет множество других возможностей:

* Фильтрация системных вызовов: Вы можете указать, какие системные вызовы следует отслеживать, используя параметр -e trace=. Это можно сделать по имени (например, clone, fork, vfork), с использованием предопределенных групп (например, %ipc или %file) или с помощью регулярных выражений (начиная с версии strace 4.17, например, -e trace=/clock\_.\*).
* Трассировка путей: Вы можете указать список путей для трассировки, используя параметр -P (например, -P /etc/ld.so.cache).
* Выгрузка ввода-вывода: Вы можете указать список файловых дескрипторов для выгрузки ввода-вывода, используя параметры -e read= и -e write=.
* Подсчет времени выполнения: Strace позволяет подсчитывать время выполнения системных вызовов и их количество, используя параметры -T, -c, -C и -w. Параметр -U позволяет выводить дополнительную информацию, такую как минимальное и максимальное время выполнения системного вызова.
* Временные метки: Strace может печатать относительные или абсолютные временные метки, используя опции -t и -r.
* Изменение системных вызовов: Strace позволяет изменять выполняемые системные вызовы, включая изменение возвращаемого значения и кода ошибки, внедрение сигналов, задержек и изменение данных, на которые указывают аргументы системных вызовов. Это достигается с помощью опции -e inject=syscall specification:tampering specification:retval=:error=:signal=:delay\_enter=:delay\_exit=:poke\_enter=:poke\_exit=.
* Информация о дескрипторах файлов: Strace может извлекать информацию о дескрипторах файлов, включая сокеты, используя опцию -y. Опция -yy предоставляет дополнительную информацию, такую как адреса конечных точек для сокетов, пути и основные/дополнительные номера устройств для файлов.
* Трассировка стека: Strace может печатать трассировки стека, включая разборку символов (начиная с версии strace 4.21, используя опцию -k).

Strace также поддерживает множество других опций и параметров, которые делают его мощным инструментом для диагностики и отладки программного обеспечения.

**Протокол работы программы**

**Лабораторная работа №1.**

luckyabatur@DESKTOP-92P4UEK:~/CLionProjects/OS\_labs/lab1$ echo numbers.txt | strace -f ./parent

**execve**("./parent", ["./parent"], 0x7ffea0b8fea8 /\* 36 vars \*/) = 0

brk(NULL) = 0x559879d14000

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ff47dfec000

access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=22955, ...}) = 0

mmap(NULL, 22955, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7ff47dfe6000

**close**(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

**read**(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7ff47ddd4000

mmap(0x7ff47ddfc000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7ff47ddfc000

mmap(0x7ff47df84000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7ff47df84000

mmap(0x7ff47dfd3000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7ff47dfd3000

mmap(0x7ff47dfd9000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7ff47dfd9000

close(3) = 0

mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7ff47ddd1000

arch\_prctl(ARCH\_SET\_FS, 0x7ff47ddd1740) = 0

set\_tid\_address(0x7ff47ddd1a10) = 23134

set\_robust\_list(0x7ff47ddd1a20, 24) = 0

rseq(0x7ff47ddd2060, 0x20, 0, 0x53053053) = 0

mprotect(0x7ff47dfd3000, 16384, PROT\_READ) = 0

mprotect(0x5598782ad000, 4096, PROT\_READ) = 0

mprotect(0x7ff47e024000, 8192, PROT\_READ) = 0

prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

munmap(0x7ff47dfe6000, 22955) = 0

fstat(0, {st\_mode=S\_IFIFO|0600, st\_size=0, ...}) = 0

getrandom("\xb4\x90\x3c\xe3\x77\x69\x10\x67", 8, GRND\_NONBLOCK) = 8

brk(NULL) = 0x559879d14000

brk(0x559879d35000) = 0x559879d35000

**read**(0, "numbers.txt\n", 4096) = 12

openat(AT\_FDCWD, "numbers.txt", O\_RDONLY) = 3

**pipe2**([4, 5], 0) = 0

**clone**(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLDstrace: Process 23135 attached

, child\_tidptr=0x7ff47ddd1a10) = 23135

[pid 23135] set\_robust\_list(0x7ff47ddd1a20, 24 <unfinished ...>

[pid 23134] **close**(3 <unfinished ...>

[pid 23135] <... set\_robust\_list resumed>) = 0

[pid 23134] <... close resumed>) = 0

[pid 23135] **close**(4 <unfinished ...>

[pid 23134] **close**(5 <unfinished ...>

[pid 23135] <... close resumed>) = 0

[pid 23134] <... close resumed>) = 0

[pid 23135] **dup2**(3, 0 <unfinished ...>

[pid 23134] **read**(4, <unfinished ...>

[pid 23135] <... dup2 resumed>) = 0

[pid 23135] **close**(3) = 0

[pid 23135] **dup2**(5, 1) = 1

[pid 23135] **execve**("child", ["child"], 0x7ffec79471a8 /\* 36 vars \*/) = 0

[pid 23135] brk(NULL) = 0x55b3c4f3d000

[pid 23135] mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f7786396000

[pid 23135] access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

[pid 23135] openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

[pid 23135] fstat(3, {st\_mode=S\_IFREG|0644, st\_size=22955, ...}) = 0

[pid 23135] mmap(NULL, 22955, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f7786390000

[pid 23135] **close**(3) = 0

[pid 23135] openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

[pid 23135] **read**(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

[pid 23135] pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

[pid 23135] fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

[pid 23135] pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

[pid 23135] mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f778617e000

[pid 23135] mmap(0x7f77861a6000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7f77861a6000

[pid 23135] mmap(0x7f778632e000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7f778632e000

[pid 23135] mmap(0x7f778637d000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7f778637d000

[pid 23135] mmap(0x7f7786383000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f7786383000

[pid 23135] **close**(3) = 0

[pid 23135] mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f778617b000

[pid 23135] arch\_prctl(ARCH\_SET\_FS, 0x7f778617b740) = 0

[pid 23135] set\_tid\_address(0x7f778617ba10) = 23135

[pid 23135] set\_robust\_list(0x7f778617ba20, 24) = 0

[pid 23135] rseq(0x7f778617c060, 0x20, 0, 0x53053053) = 0

[pid 23135] mprotect(0x7f778637d000, 16384, PROT\_READ) = 0

[pid 23135] mprotect(0x55b3c49e9000, 4096, PROT\_READ) = 0

[pid 23135] mprotect(0x7f77863ce000, 8192, PROT\_READ) = 0

[pid 23135] prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

[pid 23135] munmap(0x7f7786390000, 22955) = 0

[pid 23135] fstat(0, {st\_mode=S\_IFREG|0644, st\_size=53, ...}) = 0

[pid 23135] getrandom("\x03\xd8\x9b\xa8\xa6\xc2\x65\x49", 8, GRND\_NONBLOCK) = 8

[pid 23135] brk(NULL) = 0x55b3c4f3d000

[pid 23135] brk(0x55b3c4f5e000) = 0x55b3c4f5e000

[pid 23135] read(0, "212\n32\n43221242\n34\n42\n18\n8\n98888"..., 4096) = 53

[pid 23135] fstat(1, {st\_mode=S\_IFIFO|0600, st\_size=0, ...}) = 0

[pid 23135] **write**(1, "212\n32\n43221242\n34\n42\n18\n8\n98888"..., 40) = 40

[pid 23134] <... read resumed>"2", 1) = 1

[pid 23135] lseek(0, -12, SEEK\_CUR <unfinished ...>

[pid 23134] **read**(4, <unfinished ...>

[pid 23135] <... lseek resumed>) = 41

[pid 23134] <... read resumed>"1", 1) = 1

[pid 23135] exit\_group(0 <unfinished ...>

[pid 23134] **read**(4, <unfinished ...>

[pid 23135] <... exit\_group resumed>) = ?

[pid 23134] <... read resumed>"2", 1) = 1

[pid 23134] **read**(4, "\n", 1) = 1

[pid 23135] +++ exited with 0 +++

--- SIGCHLD {si\_signo=SIGCHLD, si\_code=CLD\_EXITED, si\_pid=23135, si\_uid=1000, si\_status=0, si\_utime=0, si\_stime=0} ---

fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

**write**(1, "212\n", 4212

) = 4

**read**(4, "3", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "32\n", 332

) = 3

**read**(4, "4", 1) = 1

**read**(4, "3", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "1", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "4", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "43221242\n", 943221242

) = 9

**read**(4, "3", 1) = 1

**read**(4, "4", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "34\n", 334

) = 3

**read**(4, "4", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "42\n", 342

) = 3

**read**(4, "1", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "18\n", 318

) = 3

**read**(4, "8", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "8\n", 28

) = 2

**read**(4, "9", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "8", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "98888888\n", 998888888

) = 9

**read**(4, "1", 1) = 1

**read**(4, "2", 1) = 1

**read**(4, "4", 1) = 1

**read**(4, "\n", 1) = 1

**write**(1, "124\n", 4124

) = 4

**read**(4, "", 1) = 0

**close**(4) = 0

**wait4**(-1, NULL, 0, NULL) = 23135

lseek(0, -1, SEEK\_CUR) = -1 ESPIPE (Illegal seek)

exit\_group(0) = ?

+++ exited with 0 +++

**Лабораторная работа №2.**

execve("./main", ["./main", "4", "120000000"], 0x7ffc4caaba08 /\* 36 vars \*/) = 0

brk(NULL) = 0x5577600cd000

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f1f9441a000

access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=23499, ...}) = 0

mmap(NULL, 23499, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f1f94414000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f1f94202000

mmap(0x7f1f9422a000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7f1f9422a000

mmap(0x7f1f943b2000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7f1f943b2000

mmap(0x7f1f94401000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7f1f94401000

mmap(0x7f1f94407000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f1f94407000

close(3) = 0

mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f1f941ff000

arch\_prctl(ARCH\_SET\_FS, 0x7f1f941ff740) = 0

set\_tid\_address(0x7f1f941ffa10) = 219542

set\_robust\_list(0x7f1f941ffa20, 24) = 0

rseq(0x7f1f94200060, 0x20, 0, 0x53053053) = 0

mprotect(0x7f1f94401000, 16384, PROT\_READ) = 0

mprotect(0x55775e844000, 4096, PROT\_READ) = 0

mprotect(0x7f1f94452000, 8192, PROT\_READ) = 0

prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

munmap(0x7f1f94414000, 23499) = 0

getrandom("\x3b\xc2\xe0\xfd\x89\x8e\x90\xf4", 8, GRND\_NONBLOCK) = 8

brk(NULL) = 0x5577600cd000

brk(0x5577600ee000) = 0x5577600ee000

rt\_sigaction(SIGRT\_1, {sa\_handler=0x7f1f9429b520, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_ONSTACK|SA\_RESTART|SA\_SIGINFO, sa\_restorer=0x7f1f94247320}, NULL, 8) = 0

rt\_sigprocmask(SIG\_UNBLOCK, [RTMIN RT\_1], NULL, 8) = 0

mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0) = 0x7f1f939fe000

mprotect(0x7f1f939ff000, 8388608, PROT\_READ|PROT\_WRITE) = 0

rt\_sigprocmask(SIG\_BLOCK, ~[], [QUIT], 8) = 0

**clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7f1f941fe990, parent\_tid=0x7f1f941fe990, exit\_signal=0, stack=0x7f1f939fe000, stack\_size=0x7fff80, tls=0x7f1f941fe6c0}strace: Process 219543 attached**

**=> {parent\_tid=[219543]}, 88) = 219543**

[pid 219543] rseq(0x7f1f941fefe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 219542] rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

[pid 219543] <... rseq resumed>) = 0

[pid 219542] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 219543] set\_robust\_list(0x7f1f941fe9a0, 24 <unfinished ...>

[pid 219542] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 219543] <... set\_robust\_list resumed>) = 0

[pid 219542] <... mmap resumed>) = 0x7f1f931fd000

[pid 219543] rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

[pid 219542] mprotect(0x7f1f931fe000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 219543] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 219542] <... mprotect resumed>) = 0

[pid 219542] rt\_sigprocmask(SIG\_BLOCK, ~[], [QUIT], 8) = 0

[pid 219542] **clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7f1f939fd990, parent\_tid=0x7f1f939fd990, exit\_signal=0, stack=0x7f1f931fd000, stack\_size=0x7fff80, tls=0x7f1f939fd6c0}strace: Process 219544 attached**

**=> {parent\_tid=[219544]}, 88) = 219544**

[pid 219544] rseq(0x7f1f939fdfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 219542] rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

[pid 219544] <... rseq resumed>) = 0

[pid 219542] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 219544] set\_robust\_list(0x7f1f939fd9a0, 24 <unfinished ...>

[pid 219542] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 219544] <... set\_robust\_list resumed>) = 0

[pid 219542] <... mmap resumed>) = 0x7f1f929fc000

[pid 219544] rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

[pid 219542] mprotect(0x7f1f929fd000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 219544] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 219542] <... mprotect resumed>) = 0

[pid 219542] rt\_sigprocmask(SIG\_BLOCK, ~[], [QUIT], 8) = 0

[pid 219542] **clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7f1f931fc990, parent\_tid=0x7f1f931fc990, exit\_signal=0, stack=0x7f1f929fc000, stack\_size=0x7fff80, tls=0x7f1f931fc6c0}strace: Process 219545 attached**

**=> {parent\_tid=[219545]}, 88) = 219545**

[pid 219545] rseq(0x7f1f931fcfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 219542] rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

[pid 219545] <... rseq resumed>) = 0

[pid 219542] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 219545] set\_robust\_list(0x7f1f931fc9a0, 24 <unfinished ...>

**[pid 219542] futex(0x7f1f941fe990, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 219543, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>**

[pid 219545] <... set\_robust\_list resumed>) = 0

[pid 219545] rt\_sigprocmask(SIG\_SETMASK, [QUIT], NULL, 8) = 0

[pid 219545] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], NULL, 8) = 0

[pid 219545] madvise(0x7f1f929fc000, 8368128, MADV\_DONTNEED) = 0

[pid 219545] exit(0) = ?

[pid 219545] +++ exited with 0 +++

[pid 219543] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], NULL, 8) = 0

[pid 219543] madvise(0x7f1f939fe000, 8368128, MADV\_DONTNEED) = 0

[pid 219543] exit(0) = ?

[pid 219542] <... futex resumed>) = 0

[pid 219543] +++ exited with 0 +++

**[pid 219542] futex(0x7f1f939fd990, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 219544, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>**

[pid 219544] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], NULL, 8) = 0

[pid 219544] madvise(0x7f1f931fd000, 8368128, MADV\_DONTNEED) = 0

[pid 219544] exit(0) = ?

[pid 219542] <... futex resumed>) = 0

[pid 219544] +++ exited with 0 +++

fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

**write(1, "Probability = 7.14%\n", 20Probability = 7.14%**

**) = 20**

**write(1, "Program executed in 10945 ms.\n", 30Program executed in 10945 ms.**

**) = 30**

exit\_group(0) = ?

+++ exited with 0 +++

**Лабораторная работа №3.**

luckyabatur@Luckyabatur:~/projects/OS\_labs/lab3/src$ echo ../test/numbers.txt | strace -f ./main

execve("./main", ["./main"], 0x7fffae8d6458 /\* 36 vars \*/) = 0

brk(NULL) = 0x55b73c3c8000

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fe2691d2000

access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7fe2691cb000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fe268fb9000

mmap(0x7fe268fe1000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7fe268fe1000

mmap(0x7fe269169000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7fe269169000

mmap(0x7fe2691b8000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7fe2691b8000

mmap(0x7fe2691be000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fe2691be000

close(3) = 0

mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fe268fb6000

arch\_prctl(ARCH\_SET\_FS, 0x7fe268fb6740) = 0

set\_tid\_address(0x7fe268fb6a10) = 4732

set\_robust\_list(0x7fe268fb6a20, 24) = 0

rseq(0x7fe268fb7060, 0x20, 0, 0x53053053) = 0

mprotect(0x7fe2691b8000, 16384, PROT\_READ) = 0

mprotect(0x55b73b4ea000, 4096, PROT\_READ) = 0

mprotect(0x7fe26920a000, 8192, PROT\_READ) = 0

prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

munmap(0x7fe2691cb000, 24775) = 0

unlink("/dev/shm/sem.mysem") = -1 ENOENT (No such file or directory)

getrandom("\x68\x6b\x27\xab\x3b\x7a\x88\xe4", 8, GRND\_NONBLOCK) = 8

newfstatat(AT\_FDCWD, "/dev/shm/sem.ITeM2P", 0x7ffc0d625210, AT\_SYMLINK\_NOFOLLOW) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/dev/shm/sem.ITeM2P", O\_RDWR|O\_CREAT|O\_EXCL|O\_NOFOLLOW|O\_CLOEXEC, 0666) = 3

write(3, "\0\0\0\0\0\0\0\0\200\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0", 32) = 32

mmap(NULL, 32, PROT\_READ|PROT\_WRITE, MAP\_SHARED, 3, 0) = 0x7fe2691d1000

link("/dev/shm/sem.ITeM2P", "/dev/shm/sem.mysem") = 0

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=32, ...}) = 0

getrandom("\x41\x53\x0a\xd2\xfc\x0e\x83\x80", 8, GRND\_NONBLOCK) = 8

brk(NULL) = 0x55b73c3c8000

brk(0x55b73c3e9000) = 0x55b73c3e9000

unlink("/dev/shm/sem.ITeM2P") = 0

close(3) = 0

**openat(AT\_FDCWD, "temp", O\_RDWR|O\_CREAT|O\_TRUNC, 0666) = 3**

ftruncate(3, 4096) = 0

**mmap(NULL, 4096, PROT\_READ|PROT\_WRITE, MAP\_SHARED, 3, 0) = 0x7fe2691d0000**

fstat(0, {st\_mode=S\_IFIFO|0600, st\_size=0, ...}) = 0

read(0, "../test/numbers.txt\n", 4096) = 20

openat(AT\_FDCWD, "../test/numbers.txt", O\_RDONLY) = 4

clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLDstrace: Process 4733 attached

, child\_tidptr=0x7fe268fb6a10) = 4733

[pid 4733] set\_robust\_list(0x7fe268fb6a20, 24 <unfinished ...>

[pid 4732] close(4 <unfinished ...>

[pid 4733] <... set\_robust\_list resumed>) = 0

[pid 4732] <... close resumed>) = 0

[pid 4732] futex(0x7fe2691d1000, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 0, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 4733] dup2(4, 0) = 0

[pid 4733] close(4) = 0

[pid 4733] execve("child", ["child"], 0x7ffc0d625768 /\* 36 vars \*/) = 0

[pid 4733] brk(NULL) = 0x555ad330c000

[pid 4733] mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fa8737bc000

[pid 4733] access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

[pid 4733] openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 4

[pid 4733] fstat(4, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

[pid 4733] mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 4, 0) = 0x7fa8737b5000

[pid 4733] close(4) = 0

[pid 4733] openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 4

[pid 4733] read(4, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

[pid 4733] pread64(4, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

[pid 4733] fstat(4, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

[pid 4733] pread64(4, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

[pid 4733] mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 4, 0) = 0x7fa8735a3000

[pid 4733] mmap(0x7fa8735cb000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 4, 0x28000) = 0x7fa8735cb000

[pid 4733] mmap(0x7fa873753000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 4, 0x1b0000) = 0x7fa873753000

[pid 4733] mmap(0x7fa8737a2000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 4, 0x1fe000) = 0x7fa8737a2000

[pid 4733] mmap(0x7fa8737a8000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fa8737a8000

[pid 4733] close(4) = 0

[pid 4733] mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fa8735a0000

[pid 4733] arch\_prctl(ARCH\_SET\_FS, 0x7fa8735a0740) = 0

[pid 4733] set\_tid\_address(0x7fa8735a0a10) = 4733

[pid 4733] set\_robust\_list(0x7fa8735a0a20, 24) = 0

[pid 4733] rseq(0x7fa8735a1060, 0x20, 0, 0x53053053) = 0

[pid 4733] mprotect(0x7fa8737a2000, 16384, PROT\_READ) = 0

[pid 4733] mprotect(0x555ad2e75000, 4096, PROT\_READ) = 0

[pid 4733] mprotect(0x7fa8737f4000, 8192, PROT\_READ) = 0

[pid 4733] prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

[pid 4733] munmap(0x7fa8737b5000, 24775) = 0

**[pid 4733] openat(AT\_FDCWD, "temp", O\_RDWR) = 4**

**[pid 4733] mmap(NULL, 4096, PROT\_READ|PROT\_WRITE, MAP\_SHARED, 4, 0) = 0x7fa8737bb000**

[pid 4733] openat(AT\_FDCWD, "/dev/shm/sem.mysem", O\_RDWR|O\_NOFOLLOW|O\_CLOEXEC) = 5

[pid 4733] fstat(5, {st\_mode=S\_IFREG|0644, st\_size=32, ...}) = 0

[pid 4733] getrandom("\x21\xd6\x72\x16\x8d\xc8\xb1\x3a", 8, GRND\_NONBLOCK) = 8

[pid 4733] brk(NULL) = 0x555ad330c000

[pid 4733] brk(0x555ad332d000) = 0x555ad332d000

[pid 4733] mmap(NULL, 32, PROT\_READ|PROT\_WRITE, MAP\_SHARED, 5, 0) = 0x7fa8737ba000

[pid 4733] close(5) = 0

[pid 4733] read(0, "212\n32\n43221242\n34\n42\n18\n8\n98888"..., 10000) = 53

[pid 4733] futex(0x7fa8737ba000, FUTEX\_WAKE, 1 <unfinished ...>

[pid 4732] <... futex resumed>) = 0

[pid 4733] <... futex resumed>) = 1

[pid 4732] fstat(1, <unfinished ...>

[pid 4733] munmap(0x7fa8737ba000, 32 <unfinished ...>

[pid 4732] <... fstat resumed>{st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

[pid 4733] <... munmap resumed>) = 0

[pid 4732] write(1, "212\n", 4 <unfinished ...>

212

[pid 4733] munmap(0x7fa8737bb000, 4096 <unfinished ...>

[pid 4732] <... write resumed>) = 4

[pid 4733] <... munmap resumed>) = 0

[pid 4732] write(1, "32\n", 3 <unfinished ...>

32

[pid 4733] close(4 <unfinished ...>

[pid 4732] <... write resumed>) = 3

[pid 4733] <... close resumed>) = 0

[pid 4732] write(1, "43221242\n", 943221242

<unfinished ...>

[pid 4733] exit\_group(0 <unfinished ...>

[pid 4732] <... write resumed>) = 9

[pid 4733] <... exit\_group resumed>) = ?

[pid 4732] write(1, "34\n", 334

) = 3

[pid 4733] +++ exited with 0 +++

--- SIGCHLD {si\_signo=SIGCHLD, si\_code=CLD\_EXITED, si\_pid=4733, si\_uid=1000, si\_status=0, si\_utime=0, si\_stime=0} ---

write(1, "42\n", 342

) = 3

write(1, "18\n", 318

) = 3

write(1, "8\n", 28

) = 2

write(1, "98888888\n", 998888888

) = 9

write(1, "124\n", 4124

) = 4

wait4(4733, [{WIFEXITED(s) && WEXITSTATUS(s) == 0}], 0, NULL) = 4733

**munmap(0x7fe2691d0000, 4096) = 0**

close(3) = 0

munmap(0x7fe2691d1000, 32) = 0

unlink("/dev/shm/sem.mysem") = 0

**unlink("temp") = 0**

lseek(0, -1, SEEK\_CUR) = -1 ESPIPE (Illegal seek)

exit\_group(0) = ?

+++ exited with 0 +++

**Лабораторная работа №4.**

**Program 1**

luckyabatur@Luckyabatur:~/projects/OS\_labs/lab4/src$ echo "1 2 3 2 9 8 7 6 5 4 3 2 1 0 d"| strace -f ./prog\_static

execve("./prog\_static", ["./prog\_static"], 0x7ffe8355ede8 /\* 36 vars \*/) = 0

brk(NULL) = 0x55ecc98e9000

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f6f07332000

access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "./glibc-hwcaps/x86-64-v3/libLib1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "./glibc-hwcaps/x86-64-v2/libLib1.so", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

**openat(AT\_FDCWD, "./libLib1.so", O\_RDONLY|O\_CLOEXEC) = 3**

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=15536, ...}) = 0

getcwd("/home/luckyabatur/projects/OS\_labs/lab4/src", 128) = 44

mmap(NULL, 16408, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f6f0732d000

mmap(0x7f6f0732e000, 4096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1000) = 0x7f6f0732e000

mmap(0x7f6f0732f000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f6f0732f000

mmap(0x7f6f07330000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f6f07330000

close(3) = 0

openat(AT\_FDCWD, "./glibc-hwcaps/x86-64-v3/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "./glibc-hwcaps/x86-64-v2/libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "./libc.so.6", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f6f07326000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f6f07114000

mmap(0x7f6f0713c000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7f6f0713c000

mmap(0x7f6f072c4000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7f6f072c4000

mmap(0x7f6f07313000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7f6f07313000

mmap(0x7f6f07319000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f6f07319000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=952616, ...}) = 0

mmap(NULL, 950296, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f6f0702b000

mmap(0x7f6f0703b000, 520192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000) = 0x7f6f0703b000

mmap(0x7f6f070ba000, 360448, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x8f000) = 0x7f6f070ba000

mmap(0x7f6f07112000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe7000) = 0x7f6f07112000

close(3) = 0

mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f6f07028000

arch\_prctl(ARCH\_SET\_FS, 0x7f6f07028740) = 0

set\_tid\_address(0x7f6f07028a10) = 9307

set\_robust\_list(0x7f6f07028a20, 24) = 0

rseq(0x7f6f07029060, 0x20, 0, 0x53053053) = 0

mprotect(0x7f6f07313000, 16384, PROT\_READ) = 0

mprotect(0x7f6f07112000, 4096, PROT\_READ) = 0

mprotect(0x7f6f07330000, 4096, PROT\_READ) = 0

mprotect(0x55ecc7f26000, 4096, PROT\_READ) = 0

mprotect(0x7f6f0736a000, 8192, PROT\_READ) = 0

prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

munmap(0x7f6f07326000, 24775) = 0

fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

getrandom("\xa0\xe0\xdc\x47\xe8\x0c\x2d\xfc", 8, GRND\_NONBLOCK) = 8

brk(NULL) = 0x55ecc98e9000

brk(0x55ecc990a000) = 0x55ecc990a000

write(1, "Choose the action:\n", 19Choose the action:

) = 19

write(1, "1 (float) A (float) deltaX - fin"..., 641 (float) A (float) deltaX - find the derivative in the point A

) = 64

write(1, "2 (int) el1 (int) el2... (int) e"..., 782 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 78

write(1, "other value - exit\n", 19other value - exit

) = 19

fstat(0, {st\_mode=S\_IFIFO|0600, st\_size=0, ...}) = 0

read(0, "1 2 3 2 9 8 7 6 5 4 3 2 1 0 d\n", 4096) = 30

write(1, "derivative: 0.233270\n", 21derivative: 0.233270

) = 21

write(1, "Choose the action:\n1 (float) A ("..., 161Choose the action:

1 (float) A (float) deltaX - find the derivative in the point A

2 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 161

write(1, "other value - exit\n", 19other value - exit

) = 19

write(1, "sorted array: 0 1 2 3 4 5 6 7 8 "..., 35sorted array: 0 1 2 3 4 5 6 7 8 9

) = 35

write(1, "Choose the action:\n1 (float) A ("..., 161Choose the action:

1 (float) A (float) deltaX - find the derivative in the point A

2 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 161

write(1, "other value - exit\n", 19other value - exit

) = 19

lseek(0, -2, SEEK\_CUR) = -1 ESPIPE (Illegal seek)

exit\_group(0) = ?

+++ exited with 0 +++

**Program 2**

luckyabatur@Luckyabatur:~/projects/OS\_labs/lab4/src$ echo "1 4 1 0 ./libLib2.so 2 9 8 7 6 5 4 3 2 1 0 d" | strace -f ./prog\_dynamic

execve("./prog\_dynamic", ["./prog\_dynamic"], 0x7ffdde750778 /\* 36 vars \*/) = 0

brk(NULL) = 0x561904727000

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f048e3b1000

access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f048e3aa000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f048e198000

mmap(0x7f048e1c0000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7f048e1c0000

mmap(0x7f048e348000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7f048e348000

mmap(0x7f048e397000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7f048e397000

mmap(0x7f048e39d000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7f048e39d000

close(3) = 0

mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f048e195000

arch\_prctl(ARCH\_SET\_FS, 0x7f048e195740) = 0

set\_tid\_address(0x7f048e195a10) = 9435

set\_robust\_list(0x7f048e195a20, 24) = 0

rseq(0x7f048e196060, 0x20, 0, 0x53053053) = 0

mprotect(0x7f048e397000, 16384, PROT\_READ) = 0

mprotect(0x561903373000, 4096, PROT\_READ) = 0

mprotect(0x7f048e3e9000, 8192, PROT\_READ) = 0

prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

munmap(0x7f048e3aa000, 24775) = 0

getrandom("\x66\x57\x4c\xb9\xa8\xc5\x32\x51", 8, GRND\_NONBLOCK) = 8

brk(NULL) = 0x561904727000

brk(0x561904748000) = 0x561904748000

openat(AT\_FDCWD, "./libLib1.so", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=15536, ...}) = 0

getcwd("/home/luckyabatur/projects/OS\_labs/lab4/src", 128) = 44

mmap(NULL, 16408, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f048e3ac000

mmap(0x7f048e3ad000, 4096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1000) = 0x7f048e3ad000

mmap(0x7f048e3ae000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f048e3ae000

mmap(0x7f048e3af000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f048e3af000

close(3) = 0

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f048e18e000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=952616, ...}) = 0

mmap(NULL, 950296, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f048e0a5000

mmap(0x7f048e0b5000, 520192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000) = 0x7f048e0b5000

mmap(0x7f048e134000, 360448, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x8f000) = 0x7f048e134000

mmap(0x7f048e18c000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe7000) = 0x7f048e18c000

close(3) = 0

mprotect(0x7f048e18c000, 4096, PROT\_READ) = 0

mprotect(0x7f048e3af000, 4096, PROT\_READ) = 0

munmap(0x7f048e18e000, 24775) = 0

fstat(1, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

write(1, "Choose the action:\n", 19Choose the action:

) = 19

write(1, "0 path - change library\n", 240 path - change library

) = 24

write(1, "1 (float) A (float) deltaX - fin"..., 641 (float) A (float) deltaX - find the derivative in the point A

) = 64

write(1, "2 (int) el1 (int) el2... (int) e"..., 782 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 78

write(1, "other value - exit\n", 19other value - exit

) = 19

fstat(0, {st\_mode=S\_IFIFO|0600, st\_size=0, ...}) = 0

read(0, "1 4 1 0 ./libLib2.so 2 9 8 7 6 5"..., 4096) = 45

write(1, "derivative: 0.937306\n", 21derivative: 0.937306

) = 21

write(1, "Choose the action:\n0 path - chan"..., 185Choose the action:

0 path - change library

1 (float) A (float) deltaX - find the derivative in the point A

2 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 185

write(1, "other value - exit\n", 19other value - exit

) = 19

munmap(0x7f048e3ac000, 16408) = 0

munmap(0x7f048e0a5000, 950296) = 0

**openat(AT\_FDCWD, "./libLib2.so", O\_RDONLY|O\_CLOEXEC) = 3**

read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

fstat(3, {st\_mode=S\_IFREG|0755, st\_size=15624, ...}) = 0

getcwd("/home/luckyabatur/projects/OS\_labs/lab4/src", 128) = 44

mmap(NULL, 16408, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f048e3ac000

mmap(0x7f048e3ad000, 4096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1000) = 0x7f048e3ad000

mmap(0x7f048e3ae000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f048e3ae000

mmap(0x7f048e3af000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7f048e3af000

close(3) = 0

openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7f048e18e000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3

read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

fstat(3, {st\_mode=S\_IFREG|0644, st\_size=952616, ...}) = 0

mmap(NULL, 950296, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7f048e0a5000

mmap(0x7f048e0b5000, 520192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000) = 0x7f048e0b5000

mmap(0x7f048e134000, 360448, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x8f000) = 0x7f048e134000

mmap(0x7f048e18c000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe7000) = 0x7f048e18c000

close(3) = 0

mprotect(0x7f048e18c000, 4096, PROT\_READ) = 0

mprotect(0x7f048e3af000, 4096, PROT\_READ) = 0

munmap(0x7f048e18e000, 24775) = 0

write(1, "Choose the action:\n0 path - chan"..., 185Choose the action:

0 path - change library

1 (float) A (float) deltaX - find the derivative in the point A

2 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 185

write(1, "other value - exit\n", 19other value - exit

) = 19

write(1, "sorted array: 0 1 2 3 4 5 6 7 8 "..., 35sorted array: 0 1 2 3 4 5 6 7 8 9

) = 35

write(1, "Choose the action:\n0 path - chan"..., 185Choose the action:

0 path - change library

1 (float) A (float) deltaX - find the derivative in the point A

2 (int) el1 (int) el2... (int) el10 - sort the array with elements el1...el10

) = 185

write(1, "other value - exit\n", 19other value - exit

) = 19

lseek(0, -2, SEEK\_CUR) = -1 ESPIPE (Illegal seek)

exit\_group(0) = ?

+++ exited with 0 +++

**Лабораторная работа 5-7.**

18662 execve("./control", ["./control"], 0x7ffff4d077b8 /\* 36 vars \*/) = 0

18662 brk(NULL) = 0x561953d13000

18662 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfb006c000

18662 access("/etc/ld.so.preload", R\_OK) = -1 ENOENT (No such file or directory)

18662 openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC) = 3

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

18662 mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7fbfb0065000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libzmq.so.5", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=663584, ...}) = 0

18662 mmap(NULL, 661336, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaffc3000

18662 mmap(0x7fbfaffdc000, 425984, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x19000) = 0x7fbfaffdc000

18662 mmap(0x7fbfb0044000, 98304, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x81000) = 0x7fbfb0044000

18662 mmap(0x7fbfb005c000, 36864, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x99000) = 0x7fbfb005c000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libstdc++.so.6", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=2592224, ...}) = 0

18662 mmap(NULL, 2609472, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfafd45000

18662 mmap(0x7fbfafde2000, 1343488, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9d000) = 0x7fbfafde2000

18662 mmap(0x7fbfaff2a000, 552960, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e5000) = 0x7fbfaff2a000

18662 mmap(0x7fbfaffb1000, 57344, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x26b000) = 0x7fbfaffb1000

18662 mmap(0x7fbfaffbf000, 12608, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaffbf000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgcc\_s.so.1", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=183024, ...}) = 0

18662 mmap(NULL, 185256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfafd17000

18662 mmap(0x7fbfafd1b000, 147456, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7fbfafd1b000

18662 mmap(0x7fbfafd3f000, 16384, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7fbfafd3f000

18662 mmap(0x7fbfafd43000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2b000) = 0x7fbfafd43000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

18662 pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

18662 fstat(3, {st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

18662 pread64(3, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

18662 mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfafb05000

18662 mmap(0x7fbfafb2d000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7fbfafb2d000

18662 mmap(0x7fbfafcb5000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000) = 0x7fbfafcb5000

18662 mmap(0x7fbfafd04000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000) = 0x7fbfafd04000

18662 mmap(0x7fbfafd0a000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fbfafd0a000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libbsd.so.0", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=80888, ...}) = 0

18662 mmap(NULL, 86208, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfafaef000

18662 mmap(0x7fbfafaf3000, 49152, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7fbfafaf3000

18662 mmap(0x7fbfafaff000, 12288, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000) = 0x7fbfafaff000

18662 mmap(0x7fbfafb02000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x12000) = 0x7fbfafb02000

18662 mmap(0x7fbfafb04000, 192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fbfafb04000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libsodium.so.23", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=355040, ...}) = 0

18662 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfafaed000

18662 mmap(NULL, 353336, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfafa96000

18662 mmap(0x7fbfafaa2000, 233472, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000) = 0x7fbfafaa2000

18662 mmap(0x7fbfafadb000, 65536, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x45000) = 0x7fbfafadb000

18662 mmap(0x7fbfafaeb000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x55000) = 0x7fbfafaeb000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libpgm-5.3.so.0", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=285568, ...}) = 0

18662 mmap(NULL, 301040, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfafa4c000

18662 mmap(0x7fbfafa50000, 159744, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7fbfafa50000

18662 mmap(0x7fbfafa77000, 102400, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2b000) = 0x7fbfafa77000

18662 mmap(0x7fbfafa90000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x44000) = 0x7fbfafa90000

18662 mmap(0x7fbfafa92000, 14320, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fbfafa92000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnorm.so.1", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=366760, ...}) = 0

18662 mmap(NULL, 1092032, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf941000

18662 mmap(0x7fbfaf94a000, 274432, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9000) = 0x7fbfaf94a000

18662 mmap(0x7fbfaf98d000, 45056, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4c000) = 0x7fbfaf98d000

18662 mmap(0x7fbfaf998000, 16384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x56000) = 0x7fbfaf998000

18662 mmap(0x7fbfaf99c000, 719296, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf99c000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgssapi\_krb5.so.2", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=338696, ...}) = 0

18662 mmap(NULL, 341080, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf8ed000

18662 mmap(0x7fbfaf8f9000, 237568, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000) = 0x7fbfaf8f9000

18662 mmap(0x7fbfaf933000, 40960, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x46000) = 0x7fbfaf933000

18662 mmap(0x7fbfaf93d000, 16384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4f000) = 0x7fbfaf93d000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=952616, ...}) = 0

18662 mmap(NULL, 950296, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf804000

18662 mmap(0x7fbfaf814000, 520192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000) = 0x7fbfaf814000

18662 mmap(0x7fbfaf893000, 360448, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x8f000) = 0x7fbfaf893000

18662 mmap(0x7fbfaf8eb000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe7000) = 0x7fbfaf8eb000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libmd.so.0", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=55536, ...}) = 0

18662 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf802000

18662 mmap(NULL, 57448, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf7f3000

18662 mmap(0x7fbfaf7f5000, 36864, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7fbfaf7f5000

18662 mmap(0x7fbfaf7fe000, 8192, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xb000) = 0x7fbfaf7fe000

18662 mmap(0x7fbfaf800000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000) = 0x7fbfaf800000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkrb5.so.3", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=823488, ...}) = 0

18662 mmap(NULL, 822032, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf72a000

18662 mmap(0x7fbfaf74a000, 397312, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x20000) = 0x7fbfaf74a000

18662 mmap(0x7fbfaf7ab000, 233472, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x81000) = 0x7fbfaf7ab000

18662 mmap(0x7fbfaf7e4000, 61440, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xba000) = 0x7fbfaf7e4000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libk5crypto.so.3", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=178648, ...}) = 0

18662 mmap(NULL, 176392, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf6fe000

18662 mmap(0x7fbfaf702000, 110592, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7fbfaf702000

18662 mmap(0x7fbfaf71d000, 45056, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1f000) = 0x7fbfaf71d000

18662 mmap(0x7fbfaf728000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2a000) = 0x7fbfaf728000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libcom\_err.so.2", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=18504, ...}) = 0

18662 mmap(NULL, 20552, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf6f8000

18662 mmap(0x7fbfaf6fa000, 4096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7fbfaf6fa000

18662 mmap(0x7fbfaf6fb000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7fbfaf6fb000

18662 mmap(0x7fbfaf6fc000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7fbfaf6fc000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkrb5support.so.0", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=47904, ...}) = 0

18662 mmap(NULL, 50128, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf6eb000

18662 mmap(0x7fbfaf6ee000, 24576, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7fbfaf6ee000

18662 mmap(0x7fbfaf6f4000, 8192, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9000) = 0x7fbfaf6f4000

18662 mmap(0x7fbfaf6f6000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xa000) = 0x7fbfaf6f6000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkeyutils.so.1", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=22600, ...}) = 0

18662 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf6e9000

18662 mmap(NULL, 24592, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf6e2000

18662 mmap(0x7fbfaf6e4000, 8192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000) = 0x7fbfaf6e4000

18662 mmap(0x7fbfaf6e6000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7fbfaf6e6000

18662 mmap(0x7fbfaf6e7000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000) = 0x7fbfaf6e7000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libresolv.so.2", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=68104, ...}) = 0

18662 mmap(NULL, 75912, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fbfaf6cf000

18662 mmap(0x7fbfaf6d2000, 40960, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7fbfaf6d2000

18662 mmap(0x7fbfaf6dc000, 8192, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xd000) = 0x7fbfaf6dc000

18662 mmap(0x7fbfaf6de000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xf000) = 0x7fbfaf6de000

18662 mmap(0x7fbfaf6e0000, 6280, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf6e0000

18662 close(3) = 0

18662 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf6cd000

18662 mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf6ca000

18662 arch\_prctl(ARCH\_SET\_FS, 0x7fbfaf6ca9c0) = 0

18662 set\_tid\_address(0x7fbfaf6cac90) = 18662

18662 set\_robust\_list(0x7fbfaf6caca0, 24) = 0

18662 rseq(0x7fbfaf6cb2e0, 0x20, 0, 0x53053053) = 0

18662 mprotect(0x7fbfafd04000, 16384, PROT\_READ) = 0

18662 mprotect(0x7fbfaf6de000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf6e7000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf6f6000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf6fc000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf728000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf7e4000, 53248, PROT\_READ) = 0

18662 mprotect(0x7fbfaf800000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf8eb000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfaf93d000, 8192, PROT\_READ) = 0

18662 mprotect(0x7fbfafd43000, 4096, PROT\_READ) = 0

18662 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fbfaf6c8000

18662 mprotect(0x7fbfaffb1000, 45056, PROT\_READ) = 0

18662 mprotect(0x7fbfaf998000, 12288, PROT\_READ) = 0

18662 mprotect(0x7fbfafa90000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfafaeb000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfafb02000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfb005c000, 32768, PROT\_READ) = 0

18662 mprotect(0x5619531a5000, 4096, PROT\_READ) = 0

18662 mprotect(0x7fbfb00a4000, 8192, PROT\_READ) = 0

18662 prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0

18662 munmap(0x7fbfb0065000, 24775) = 0

18662 futex(0x7fbfaffbf7bc, FUTEX\_WAKE\_PRIVATE, 2147483647) = 0

18662 getrandom("\x40\x16\x3c\x41\xa0\x10\x46\xab", 8, GRND\_NONBLOCK) = 8

18662 brk(NULL) = 0x561953d13000

18662 brk(0x561953d34000) = 0x561953d34000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 fstat(0, {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

18662 read(0, "create 1 -1\n", 1024) = 12

18662 clone(child\_stack=NULL, flags=CLONE\_CHILD\_CLEARTID|CLONE\_CHILD\_SETTID|SIGCHLD, child\_tidptr=0x7fbfaf6cac90) = 18664

18662 getpid() = 18662

18662 openat(AT\_FDCWD, "/sys/devices/system/cpu/online", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "0-11\n", 1024) = 5

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/sys/devices/system/cpu/possible", O\_RDONLY|O\_CLOEXEC) = 3

18662 read(3, "0-11\n", 1024) = 5

18662 close(3) = 0

18662 getpid() = 18662

18662 sched\_getaffinity(18662, 128, [0 1 2 3 4 5 6 7 8 9 10 11]) = 32

18662 newfstatat(AT\_FDCWD, "/etc/nsswitch.conf", {st\_mode=S\_IFREG|0644, st\_size=526, ...}, 0) = 0

18662 newfstatat(AT\_FDCWD, "/", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}, 0) = 0

18662 openat(AT\_FDCWD, "/etc/nsswitch.conf", O\_RDONLY|O\_CLOEXEC) = 3

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=526, ...}) = 0

18662 read(3, "# /etc/nsswitch.conf\n#\n# Example"..., 4096) = 526

18662 read(3, "", 4096) = 0

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=526, ...}) = 0

18662 close(3 <unfinished ...>

18664 set\_robust\_list(0x7fbfaf6caca0, 24 <unfinished ...>

18662 <... close resumed>) = 0

18662 openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18664 <... set\_robust\_list resumed>) = 0

18662 <... openat resumed>) = 3

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

18664 execve("./computing", ["computing", "1"], 0x7ffd69a2fd68 /\* 36 vars \*/ <unfinished ...>

18662 mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7fbfb0065000

18662 close(3) = 0

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v3/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18662 newfstatat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v3/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v2/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18662 newfstatat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v2/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18662 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18662 newfstatat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/", {st\_mode=S\_IFDIR|0755, st\_size=36864, ...}, 0) = 0

18664 <... execve resumed>) = 0

18662 openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v3/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18662 newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v3/", <unfinished ...>

18664 brk(NULL <unfinished ...>

18662 <... newfstatat resumed>0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18662 openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v2/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18664 <... brk resumed>) = 0x55b5206a7000

18662 <... openat resumed>) = -1 ENOENT (No such file or directory)

18662 newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/glibc-hwcaps/x86-64-v2/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18664 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 openat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... mmap resumed>) = 0x7f52a3e40000

18662 newfstatat(AT\_FDCWD, "/usr/lib/x86\_64-linux-gnu/", {st\_mode=S\_IFDIR|0755, st\_size=36864, ...}, 0) = 0

18664 access("/etc/ld.so.preload", R\_OK <unfinished ...>

18662 openat(AT\_FDCWD, "/lib/glibc-hwcaps/x86-64-v3/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... access resumed>) = -1 ENOENT (No such file or directory)

18662 newfstatat(AT\_FDCWD, "/lib/glibc-hwcaps/x86-64-v3/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18664 openat(AT\_FDCWD, "/etc/ld.so.cache", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 openat(AT\_FDCWD, "/lib/glibc-hwcaps/x86-64-v2/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... openat resumed>) = 3

18662 newfstatat(AT\_FDCWD, "/lib/glibc-hwcaps/x86-64-v2/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18664 fstat(3, <unfinished ...>

18662 openat(AT\_FDCWD, "/lib/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=24775, ...}) = 0

18662 newfstatat(AT\_FDCWD, "/lib/", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}, 0) = 0

18664 mmap(NULL, 24775, PROT\_READ, MAP\_PRIVATE, 3, 0 <unfinished ...>

18662 openat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v3/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... mmap resumed>) = 0x7f52a3e39000

18662 newfstatat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v3/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18664 close(3 <unfinished ...>

18662 openat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v2/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... close resumed>) = 0

18662 newfstatat(AT\_FDCWD, "/usr/lib/glibc-hwcaps/x86-64-v2/", 0x7ffd69a2c700, 0) = -1 ENOENT (No such file or directory)

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libzmq.so.5", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 openat(AT\_FDCWD, "/usr/lib/libnss\_db.so.2", O\_RDONLY|O\_CLOEXEC) = -1 ENOENT (No such file or directory)

18664 <... openat resumed>) = 3

18662 newfstatat(AT\_FDCWD, "/usr/lib/", {st\_mode=S\_IFDIR|0755, st\_size=4096, ...}, 0) = 0

18664 read(3, <unfinished ...>

18662 munmap(0x7fbfb0065000, 24775) = 0

18662 openat(AT\_FDCWD, "/etc/protocols", O\_RDONLY|O\_CLOEXEC) = 3

18662 fstat(3, {st\_mode=S\_IFREG|0644, st\_size=3144, ...}) = 0

18662 lseek(3, 0, SEEK\_SET) = 0

18662 read(3, "# Internet (IP) protocols\n#\n# Up"..., 4096) = 3144

18662 read(3, <unfinished ...>

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 <... read resumed>"", 4096) = 0

18664 fstat(3, <unfinished ...>

18662 close(3) = 0

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=663584, ...}) = 0

18662 eventfd2(0, EFD\_CLOEXEC <unfinished ...>

18664 mmap(NULL, 661336, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... eventfd2 resumed>) = 3

18662 fcntl(3, F\_GETFL) = 0x2 (flags O\_RDWR)

18662 fcntl(3, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0

18662 fcntl(3, F\_GETFL) = 0x802 (flags O\_RDWR|O\_NONBLOCK)

18662 fcntl(3, F\_SETFL, O\_RDWR|O\_NONBLOCK) = 0

18662 getpid() = 18662

18662 getpid() = 18662

18662 getrandom( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3d97000

18662 <... getrandom resumed>"\xa7\x5b\xda\x64\x81\xaf\x04\xcc\x04\x02\xd8\xfa\xee\xa1\x31\x5a", 16, 0) = 16

18662 getrandom( <unfinished ...>

18664 mmap(0x7f52a3db0000, 425984, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x19000 <unfinished ...>

18662 <... getrandom resumed>"\xdd\x4e\xe6\x95\x23\xb9\xcb\xbe\xfa\x1d\x9e\x52\x47\x50\x9e\xca", 16, 0) = 16

18662 eventfd2(0, EFD\_CLOEXEC <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3db0000

18662 <... eventfd2 resumed>) = 4

18662 fcntl(4, F\_GETFL <unfinished ...>

18664 mmap(0x7f52a3e18000, 98304, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x81000 <unfinished ...>

18662 <... fcntl resumed>) = 0x2 (flags O\_RDWR)

18662 fcntl(4, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3e18000

18662 <... fcntl resumed>) = 0

18662 fcntl(4, F\_GETFL <unfinished ...>

18664 mmap(0x7f52a3e30000, 36864, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x99000 <unfinished ...>

18662 <... fcntl resumed>) = 0x802 (flags O\_RDWR|O\_NONBLOCK)

18662 fcntl(4, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3e30000

18662 <... fcntl resumed>) = 0

18662 getpid() = 18662

18664 close(3 <unfinished ...>

**18662 epoll\_create1(EPOLL\_CLOEXEC) = 5**

18664 <... close resumed>) = 0

**18662 epoll\_ctl(5, EPOLL\_CTL\_ADD, 4, {events=0, data={u32=1406294672, u64=94666780465808}}) = 0**

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libstdc++.so.6", O\_RDONLY|O\_CLOEXEC <unfinished ...>

**18662 epoll\_ctl(5, EPOLL\_CTL\_MOD, 4, {events=EPOLLIN, data={u32=1406294672, u64=94666780465808}}) = 0**

18664 <... openat resumed>) = 3

18662 getpid() = 18662

18664 read(3, <unfinished ...>

18662 rt\_sigaction(SIGRT\_1, {sa\_handler=0x7fbfafb9e530, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_ONSTACK|SA\_RESTART|SA\_SIGINFO, sa\_restorer=0x7fbfafb4a330}, NULL, 8) = 0

18664 <... read resumed>"\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 rt\_sigprocmask(SIG\_UNBLOCK, [RTMIN RT\_1], NULL, 8) = 0

18664 fstat(3, <unfinished ...>

18662 mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0) = 0x7fbfaeec7000

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=2592224, ...}) = 0

18662 mprotect(0x7fbfaeec8000, 8388608, PROT\_READ|PROT\_WRITE) = 0

18664 mmap(NULL, 2609472, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 rt\_sigprocmask(SIG\_BLOCK, ~[], [QUIT], 8) = 0

18664 <... mmap resumed>) = 0x7f52a3b19000

18662 clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fbfaf6c7990, parent\_tid=0x7fbfaf6c7990, exit\_signal=0, stack=0x7fbfaeec7000, stack\_size=0x7ffd00, tls=0x7fbfaf6c76c0} <unfinished ...>

18664 mmap(0x7f52a3bb6000, 1343488, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9d000 <unfinished ...>

18662 <... clone3 resumed> => {parent\_tid=[18665]}, 88) = 18665

18662 rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3bb6000

18662 <... rt\_sigprocmask resumed>NULL, 8) = 0

18665 rseq(0x7fbfaf6c7fe0, 0x20, 0, 0x53053053 <unfinished ...>

18662 eventfd2(0, EFD\_CLOEXEC <unfinished ...>

18664 mmap(0x7f52a3cfe000, 552960, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e5000 <unfinished ...>

18662 <... eventfd2 resumed>) = 6

18665 <... rseq resumed>) = 0

18662 fcntl(6, F\_GETFL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3cfe000

18662 <... fcntl resumed>) = 0x2 (flags O\_RDWR)

18665 set\_robust\_list(0x7fbfaf6c79a0, 24 <unfinished ...>

18662 fcntl(6, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

18664 mmap(0x7f52a3d85000, 57344, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x26b000 <unfinished ...>

18662 <... fcntl resumed>) = 0

18665 <... set\_robust\_list resumed>) = 0

18662 fcntl(6, F\_GETFL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3d85000

18662 <... fcntl resumed>) = 0x802 (flags O\_RDWR|O\_NONBLOCK)

18665 rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

18662 fcntl(6, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

18664 mmap(0x7f52a3d93000, 12608, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 <... fcntl resumed>) = 0

18665 <... rt\_sigprocmask resumed>NULL, 8) = 0

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3d93000

18662 <... getpid resumed>) = 18662

**18662 epoll\_create1(EPOLL\_CLOEXEC <unfinished ...>**

18665 rt\_sigprocmask(SIG\_BLOCK, ~[RTMIN RT\_1], <unfinished ...>

**18662 <... epoll\_create1 resumed>) = 7**

18664 close(3 <unfinished ...>

**18662 epoll\_ctl(7, EPOLL\_CTL\_ADD, 6, {events=0, data={u32=1406296784, u64=94666780467920}} <unfinished ...>**

18665 <... rt\_sigprocmask resumed>NULL, 8) = 0

**18662 <... epoll\_ctl resumed>) = 0**

18664 <... close resumed>) = 0

**18662 epoll\_ctl(7, EPOLL\_CTL\_MOD, 6, {events=EPOLLIN, data={u32=1406296784, u64=94666780467920}} <unfinished ...>**

18665 sched\_getparam(18665, <unfinished ...>

**18662 <... epoll\_ctl resumed>) = 0**

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgcc\_s.so.1", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0) = 0x7fbfae6c6000

18665 <... sched\_getparam resumed>[0]) = 0

18664 <... openat resumed>) = 3

18662 mprotect(0x7fbfae6c7000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

18665 sched\_getscheduler(18665 <unfinished ...>

18662 <... mprotect resumed>) = 0

18664 read(3, <unfinished ...>

18662 rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

18665 <... sched\_getscheduler resumed>) = 0 (SCHED\_OTHER)

18662 <... rt\_sigprocmask resumed>[QUIT], 8) = 0

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fbfaeec6990, parent\_tid=0x7fbfaeec6990, exit\_signal=0, stack=0x7fbfae6c6000, stack\_size=0x7ffd00, tls=0x7fbfaeec66c0} <unfinished ...>

18665 sched\_setscheduler(18665, SCHED\_OTHER, [0] <unfinished ...>

18664 fstat(3, <unfinished ...>

18662 <... clone3 resumed> => {parent\_tid=[18666]}, 88) = 18666

18665 <... sched\_setscheduler resumed>) = 0

18662 rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=183024, ...}) = 0

18662 <... rt\_sigprocmask resumed>NULL, 8) = 0

18665 prctl(PR\_SET\_NAME, "ZMQbg/Reaper" <unfinished ...>

18662 eventfd2(0, EFD\_CLOEXEC <unfinished ...>

18664 mmap(NULL, 185256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... eventfd2 resumed>) = 8

18662 fcntl(8, F\_GETFL <unfinished ...>

18665 <... prctl resumed>) = 0

18662 <... fcntl resumed>) = 0x2 (flags O\_RDWR)

18664 <... mmap resumed>) = 0x7f52a3aeb000

18662 fcntl(8, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

**18665 epoll\_wait(5, <unfinished ...>**

18662 <... fcntl resumed>) = 0

18666 rseq(0x7fbfaeec6fe0, 0x20, 0, 0x53053053 <unfinished ...>

18664 mmap(0x7f52a3aef000, 147456, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000 <unfinished ...>

18662 fcntl(8, F\_GETFL <unfinished ...>

18666 <... rseq resumed>) = 0

18662 <... fcntl resumed>) = 0x802 (flags O\_RDWR|O\_NONBLOCK)

18664 <... mmap resumed>) = 0x7f52a3aef000

18662 fcntl(8, F\_SETFL, O\_RDWR|O\_NONBLOCK <unfinished ...>

18666 set\_robust\_list(0x7fbfaeec69a0, 24 <unfinished ...>

18662 <... fcntl resumed>) = 0

18664 mmap(0x7f52a3b13000, 16384, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000 <unfinished ...>

18662 getpid() = 18662

18662 getpid() = 18662

18666 <... set\_robust\_list resumed>) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3b13000

18662 <... poll resumed>) = 0 (Timeout)

18662 socket(AF\_NETLINK, SOCK\_RAW|SOCK\_CLOEXEC, NETLINK\_ROUTE <unfinished ...>

18666 rt\_sigprocmask(SIG\_SETMASK, [QUIT], <unfinished ...>

18664 mmap(0x7f52a3b17000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2b000 <unfinished ...>

18662 <... socket resumed>) = 9

18666 <... rt\_sigprocmask resumed>NULL, 8) = 0

18662 bind(9, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12) = 0

18662 getsockname(9, {sa\_family=AF\_NETLINK, nl\_pid=18662, nl\_groups=00000000}, [12]) = 0

**18662 sendto(9, [{nlmsg\_len=20, nlmsg\_type=RTM\_GETLINK, nlmsg\_flags=NLM\_F\_REQUEST|NLM\_F\_DUMP, nlmsg\_seq=1741797306, nlmsg\_pid=0}, {ifi\_family=AF\_UNSPEC, ...}], 20, 0, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12 <unfinished ...>**

18664 <... mmap resumed>) = 0x7f52a3b17000

**18662 <... sendto resumed>) = 20**

18666 rt\_sigprocmask(SIG\_BLOCK, ~[RTMIN RT\_1], <unfinished ...>

**18662 recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[[{nlmsg\_len=1348, nlmsg\_type=RTM\_NEWLINK, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797306, nlmsg\_pid=18662}, {ifi\_family=AF\_UNSPEC, ifi\_type=ARPHRD\_LOOPBACK, ifi\_index=if\_nametoindex("lo"), ifi\_flags=IFF\_UP|IFF\_LOOPBACK|IFF\_RUNNING|IFF\_LOWER\_UP, ifi\_change=0}, [[{nla\_len=7, nla\_type=IFLA\_IFNAME}, "lo"], [{nla\_len=8, nla\_type=IFLA\_TXQLEN}, 1000], [{nla\_len=5, nla\_type=IFLA\_OPERSTATE}, 0], [{nla\_len=5, nla\_type=IFLA\_LINKMODE}, 0], [{nla\_len=8, nla\_type=IFLA\_MTU}, 65536], [{nla\_len=8, nla\_type=IFLA\_MIN\_MTU}, 0], [{nla\_len=8, nla\_type=IFLA\_MAX\_MTU}, 0], [{nla\_len=8, nla\_type=IFLA\_GROUP}, 0], [{nla\_len=8, nla\_type=IFLA\_PROMISCUITY}, 0], [{nla\_len=8, nla\_type=IFLA\_NUM\_TX\_QUEUES}, 1], [{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SEGS}, 65535], [{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SIZE}, 65536], [{nla\_len=8, nla\_type=IFLA\_NUM\_RX\_QUEUES}, 1], [{nla\_len=5, nla\_type=IFLA\_CARRIER}, 1], [{nla\_len=12, nla\_type=IFLA\_QDISC}, "noqueue"], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_CHANGES}, 0], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_UP\_COUNT}, 0], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_DOWN\_COUNT}, 0], [{nla\_len=5, nla\_type=IFLA\_PROTO\_DOWN}, 0], [{nla\_len=36, nla\_type=IFLA\_MAP}, {mem\_start=0, mem\_end=0, base\_addr=0, irq=0, dma=0, port=0}], [{nla\_len=10, nla\_type=IFLA\_ADDRESS}, 00:00:00:00:00:00], [{nla\_len=10, nla\_type=IFLA\_BROADCAST}, 00:00:00:00:00:00], [{nla\_len=196, nla\_type=IFLA\_STATS64}, {rx\_packets=574915, tx\_packets=574915, rx\_bytes=98193605, tx\_bytes=98193605, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=0, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}], [{nla\_len=100, nla\_type=IFLA\_STATS}, {rx\_packets=574915, tx\_packets=574915, rx\_bytes=98193605, tx\_bytes=98193605, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=0, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}], [{nla\_len=12, nla\_type=IFLA\_XDP}, [{nla\_len=5, nla\_type=IFLA\_XDP\_ATTACHED}, XDP\_ATTACHED\_NONE]], [{nla\_len=792, nla\_type=IFLA\_AF\_SPEC}, [[{nla\_len=136, nla\_type=AF\_INET}, [{nla\_len=132, nla\_type=IFLA\_INET\_CONF}, [[IPV4\_DEVCONF\_FORWARDING-1]=0, [IPV4\_DEVCONF\_MC\_FORWARDING-1]=0, [IPV4\_DEVCONF\_PROXY\_ARP-1]=0, [IPV4\_DEVCONF\_ACCEPT\_REDIRECTS-1]=1, [IPV4\_DEVCONF\_SECURE\_REDIRECTS-1]=1, [IPV4\_DEVCONF\_SEND\_REDIRECTS-1]=1, [IPV4\_DEVCONF\_SHARED\_MEDIA-1]=1, [IPV4\_DEVCONF\_RP\_FILTER-1]=0, [IPV4\_DEVCONF\_ACCEPT\_SOURCE\_ROUTE-1]=1, [IPV4\_DEVCONF\_BOOTP\_RELAY-1]=0, [IPV4\_DEVCONF\_LOG\_MARTIANS-1]=0, [IPV4\_DEVCONF\_TAG-1]=0, [IPV4\_DEVCONF\_ARPFILTER-1]=0, [IPV4\_DEVCONF\_MEDIUM\_ID-1]=0, [IPV4\_DEVCONF\_NOXFRM-1]=1, [IPV4\_DEVCONF\_NOPOLICY-1]=1, [IPV4\_DEVCONF\_FORCE\_IGMP\_VERSION-1]=0, [IPV4\_DEVCONF\_ARP\_ANNOUNCE-1]=0, [IPV4\_DEVCONF\_ARP\_IGNORE-1]=0, [IPV4\_DEVCONF\_PROMOTE\_SECONDARIES-1]=0, [IPV4\_DEVCONF\_ARP\_ACCEPT-1]=0, [IPV4\_DEVCONF\_ARP\_NOTIFY-1]=0, [IPV4\_DEVCONF\_ACCEPT\_LOCAL-1]=0, [IPV4\_DEVCONF\_SRC\_VMARK-1]=0, [IPV4\_DEVCONF\_PROXY\_ARP\_PVLAN-1]=0, [IPV4\_DEVCONF\_ROUTE\_LOCALNET-1]=0, [IPV4\_DEVCONF\_IGMPV2\_UNSOLICITED\_REPORT\_INTERVAL-1]=10000, [IPV4\_DEVCONF\_IGMPV3\_UNSOLICITED\_REPORT\_INTERVAL-1]=1000, [IPV4\_DEVCONF\_IGNORE\_ROUTES\_WITH\_LINKDOWN-1]=0, [IPV4\_DEVCONF\_DROP\_UNICAST\_IN\_L2\_MULTICAST-1]=0, [IPV4\_DEVCONF\_DROP\_GRATUITOUS\_ARP-1]=0, [IPV4\_DEVCONF\_BC\_FORWARDING-1]=0]]], [{nla\_len=652, nla\_type=AF\_INET6}, [[{nla\_len=8, nla\_type=IFLA\_INET6\_FLAGS}, IF\_READY], [{nla\_len=20, nla\_type=IFLA\_INET6\_CACHEINFO}, {max\_reasm\_len=65535, tstamp=44, reachable\_time=24250, retrans\_time=1000}], [{nla\_len=240, nla\_type=IFLA\_INET6\_CONF}, [[DEVCONF\_FORWARDING]=0, [DEVCONF\_HOPLIMIT]=64, [DEVCONF\_MTU6]=65536, [DEVCONF\_ACCEPT\_RA]=1, [DEVCONF\_ACCEPT\_REDIRECTS]=1, [DEVCONF\_AUTOCONF]=1, [DEVCONF\_DAD\_TRANSMITS]=1, [DEVCONF\_RTR\_SOLICITS]=-1, [DEVCONF\_RTR\_SOLICIT\_INTERVAL]=4000, [DEVCONF\_RTR\_SOLICIT\_DELAY]=1000, [DEVCONF\_USE\_TEMPADDR]=-1, [DEVCONF\_TEMP\_VALID\_LFT]=604800, [DEVCONF\_TEMP\_PREFERED\_LFT]=86400, [DEVCONF\_REGEN\_MAX\_RETRY]=3, [DEVCONF\_MAX\_DESYNC\_FACTOR]=600, [DEVCONF\_MAX\_ADDRESSES]=16, [DEVCONF\_FORCE\_MLD\_VERSION]=0, [DEVCONF\_ACCEPT\_RA\_DEFRTR]=1, [DEVCONF\_ACCEPT\_RA\_PINFO]=1, [DEVCONF\_ACCEPT\_RA\_RTR\_PREF]=0, [DEVCONF\_RTR\_PROBE\_INTERVAL]=0, [DEVCONF\_ACCEPT\_RA\_RT\_INFO\_MAX\_PLEN]=0, [DEVCONF\_PROXY\_NDP]=0, [DEVCONF\_OPTIMISTIC\_DAD]=0, [DEVCONF\_ACCEPT\_SOURCE\_ROUTE]=0, [DEVCONF\_MC\_FORWARDING]=0, [DEVCONF\_DISABLE\_IPV6]=0, [DEVCONF\_ACCEPT\_DAD]=-1, [DEVCONF\_FORCE\_TLLAO]=0, [DEVCONF\_NDISC\_NOTIFY]=0, [DEVCONF\_MLDV1\_UNSOLICITED\_REPORT\_INTERVAL]=10000, [DEVCONF\_MLDV2\_UNSOLICITED\_REPORT\_INTERVAL]=1000, ...]], [{nla\_len=300, nla\_type=IFLA\_INET6\_STATS}, [[IPSTATS\_MIB\_NUM]=37, [IPSTATS\_MIB\_INPKTS]=0, [IPSTATS\_MIB\_INOCTETS]=0, [IPSTATS\_MIB\_INDELIVERS]=0, [IPSTATS\_MIB\_OUTFORWDATAGRAMS]=0, [IPSTATS\_MIB\_OUTPKTS]=0, [IPSTATS\_MIB\_OUTOCTETS]=0, [IPSTATS\_MIB\_INHDRERRORS]=0, [IPSTATS\_MIB\_INTOOBIGERRORS]=0, [IPSTATS\_MIB\_INNOROUTES]=0, [IPSTATS\_MIB\_INADDRERRORS]=0, [IPSTATS\_MIB\_INUNKNOWNPROTOS]=0, [IPSTATS\_MIB\_INTRUNCATEDPKTS]=0, [IPSTATS\_MIB\_INDISCARDS]=0, [IPSTATS\_MIB\_OUTDISCARDS]=0, [IPSTATS\_MIB\_OUTNOROUTES]=0, [IPSTATS\_MIB\_REASMTIMEOUT]=0, [IPSTATS\_MIB\_REASMREQDS]=0, [IPSTATS\_MIB\_REASMOKS]=0, [IPSTATS\_MIB\_REASMFAILS]=0, [IPSTATS\_MIB\_FRAGOKS]=0, [IPSTATS\_MIB\_FRAGFAILS]=0, [IPSTATS\_MIB\_FRAGCREATES]=0, [IPSTATS\_MIB\_INMCASTPKTS]=0, [IPSTATS\_MIB\_OUTMCASTPKTS]=0, [IPSTATS\_MIB\_INBCASTPKTS]=0, [IPSTATS\_MIB\_OUTBCASTPKTS]=0, [IPSTATS\_MIB\_INMCASTOCTETS]=0, [IPSTATS\_MIB\_OUTMCASTOCTETS]=0, [IPSTATS\_MIB\_INBCASTOCTETS]=0, [IPSTATS\_MIB\_OUTBCASTOCTETS]=0, [IPSTATS\_MIB\_CSUMERRORS]=0, ...]], [{nla\_len=52, nla\_type=IFLA\_INET6\_ICMP6STATS}, [[ICMP6\_MIB\_NUM]=6, [ICMP6\_MIB\_INMSGS]=0, [ICMP6\_MIB\_INERRORS]=0, [ICMP6\_MIB\_OUTMSGS]=0, [ICMP6\_MIB\_OUTERRORS]=0, [ICMP6\_MIB\_CSUMERRORS]=0]], [{nla\_len=20, nla\_type=IFLA\_INET6\_TOKEN}, inet\_pton(AF\_INET6, "::")], [{nla\_len=5, nla\_type=IFLA\_INET6\_ADDR\_GEN\_MODE}, IN6\_ADDR\_GEN\_MODE\_EUI64]]]]]]], [{nlmsg\_len=1416, nlmsg\_type=RTM\_NEWLINK, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797306, nlmsg\_pid=18662}, {ifi\_family=AF\_UNSPEC, ifi\_type=ARPHRD\_ETHER, ifi\_index=if\_nametoindex("eth0"), ifi\_flags=IFF\_UP|IFF\_BROADCAST|IFF\_RUNNING|IFF\_MULTICAST|IFF\_LOWER\_UP, ifi\_change=0}, [[{nla\_len=9, nla\_type=IFLA\_IFNAME}, "eth0"], [{nla\_len=8, nla\_type=IFLA\_TXQLEN}, 1000], [{nla\_len=5, nla\_type=IFLA\_OPERSTATE}, 6], [{nla\_len=5, nla\_type=IFLA\_LINKMODE}, 0], [{nla\_len=8, nla\_type=IFLA\_MTU}, 1280], [{nla\_len=8, nla\_type=IFLA\_MIN\_MTU}, 68], [{nla\_len=8, nla\_type=IFLA\_MAX\_MTU}, 65521], [{nla\_len=8, nla\_type=IFLA\_GROUP}, 0], [{nla\_len=8, nla\_type=IFLA\_PROMISCUITY}, 0], [{nla\_len=8, nla\_type=IFLA\_NUM\_TX\_QUEUES}, 64], [{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SEGS}, 65535], [{nla\_len=8, nla\_type=IFLA\_GSO\_MAX\_SIZE}, 62780], [{nla\_len=8, nla\_type=IFLA\_NUM\_RX\_QUEUES}, 64], [{nla\_len=5, nla\_type=IFLA\_CARRIER}, 1], [{nla\_len=7, nla\_type=IFLA\_QDISC}, "mq"], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_CHANGES}, 3], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_UP\_COUNT}, 2], [{nla\_len=8, nla\_type=IFLA\_CARRIER\_DOWN\_COUNT}, 1], [{nla\_len=5, nla\_type=IFLA\_PROTO\_DOWN}, 0], [{nla\_len=36, nla\_type=IFLA\_MAP}, {mem\_start=0, mem\_end=0, base\_addr=0, irq=0, dma=0, port=0}], [{nla\_len=10, nla\_type=IFLA\_ADDRESS}, 00:15:5d:1b:d9:32], [{nla\_len=10, nla\_type=IFLA\_BROADCAST}, ff:ff:ff:ff:ff:ff], [{nla\_len=196, nla\_type=IFLA\_STATS64}, {rx\_packets=13875, tx\_packets=7315, rx\_bytes=9401503, tx\_bytes=1379933, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=3704, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}], [{nla\_len=100, nla\_type=IFLA\_STATS}, {rx\_packets=13875, tx\_packets=7315, rx\_bytes=9401503, tx\_bytes=1379933, rx\_errors=0, tx\_errors=0, rx\_dropped=0, tx\_dropped=0, multicast=3704, collisions=0, rx\_length\_errors=0, rx\_over\_errors=0, rx\_crc\_errors=0, rx\_frame\_errors=0, rx\_fifo\_errors=0, rx\_missed\_errors=0, tx\_aborted\_errors=0, tx\_carrier\_errors=0, tx\_fifo\_errors=0, tx\_heartbeat\_errors=0, tx\_window\_errors=0, rx\_compressed=0, tx\_compressed=0, rx\_nohandler=0}], [{nla\_len=12, nla\_type=IFLA\_XDP}, [{nla\_len=5, nla\_type=IFLA\_XDP\_ATTACHED}, XDP\_ATTACHED\_NONE]], [{nla\_len=10, nla\_type=IFLA\_PERM\_ADDRESS}, 00:15:5d:1b:d9:32], [{nla\_len=792, nla\_type=IFLA\_AF\_SPEC}, [[{nla\_len=136, nla\_type=AF\_INET}, [{nla\_len=132, nla\_type=IFLA\_INET\_CONF}, [[IPV4\_DEVCONF\_FORWARDING-1]=0, [IPV4\_DEVCONF\_MC\_FORWARDING-1]=0, [IPV4\_DEVCONF\_PROXY\_ARP-1]=0, [IPV4\_DEVCONF\_ACCEPT\_REDIRECTS-1]=1, [IPV4\_DEVCONF\_SECURE\_REDIRECTS-1]=1, [IPV4\_DEVCONF\_SEND\_REDIRECTS-1]=1, [IPV4\_DEVCONF\_SHARED\_MEDIA-1]=1, [IPV4\_DEVCONF\_RP\_FILTER-1]=0, [IPV4\_DEVCONF\_ACCEPT\_SOURCE\_ROUTE-1]=1, [IPV4\_DEVCONF\_BOOTP\_RELAY-1]=0, [IPV4\_DEVCONF\_LOG\_MARTIANS-1]=0, [IPV4\_DEVCONF\_TAG-1]=0, [IPV4\_DEVCONF\_ARPFILTER-1]=0, [IPV4\_DEVCONF\_MEDIUM\_ID-1]=0, [IPV4\_DEVCONF\_NOXFRM-1]=0, [IPV4\_DEVCONF\_NOPOLICY-1]=0, [IPV4\_DEVCONF\_FORCE\_IGMP\_VERSION-1]=0, [IPV4\_DEVCONF\_ARP\_ANNOUNCE-1]=0, [IPV4\_DEVCONF\_ARP\_IGNORE-1]=0, [IPV4\_DEVCONF\_PROMOTE\_SECONDARIES-1]=0, [IPV4\_DEVCONF\_ARP\_ACCEPT-1]=0, [IPV4\_DEVCONF\_ARP\_NOTIFY-1]=0, [IPV4\_DEVCONF\_ACCEPT\_LOCAL-1]=0, [IPV4\_DEVCONF\_SRC\_VMARK-1]=0, [IPV4\_DEVCONF\_PROXY\_ARP\_PVLAN-1]=0, [IPV4\_DEVCONF\_ROUTE\_LOCALNET-1]=0, [IPV4\_DEVCONF\_IGMPV2\_UNSOLICITED\_REPORT\_INTERVAL-1]=10000, [IPV4\_DEVCONF\_IGMPV3\_UNSOLICITED\_REPORT\_INTERVAL-1]=1000, [IPV4\_DEVCONF\_IGNORE\_ROUTES\_WITH\_LINKDOWN-1]=0, [IPV4\_DEVCONF\_DROP\_UNICAST\_IN\_L2\_MULTICAST-1]=0, [IPV4\_DEVCONF\_DROP\_GRATUITOUS\_ARP-1]=0, [IPV4\_DEVCONF\_BC\_FORWARDING-1]=0]]], [{nla\_len=652, nla\_type=AF\_INET6}, [[{nla\_len=8, nla\_type=IFLA\_INET6\_FLAGS}, IF\_RS\_SENT|IF\_READY], [{nla\_len=20, nla\_type=IFLA\_INET6\_CACHEINFO}, {max\_reasm\_len=65535, tstamp=55, reachable\_time=29770, retrans\_time=1000}], [{nla\_len=240, nla\_type=IFLA\_INET6\_CONF}, [[DEVCONF\_FORWARDING]=0, [DEVCONF\_HOPLIMIT]=64, [DEVCONF\_MTU6]=1280, [DEVCONF\_ACCEPT\_RA]=1, [DEVCONF\_ACCEPT\_REDIRECTS]=1, [DEVCONF\_AUTOCONF]=1, [DEVCONF\_DAD\_TRANSMITS]=1, [DEVCONF\_RTR\_SOLICITS]=-1, [DEVCONF\_RTR\_SOLICIT\_INTERVAL]=4000, [DEVCONF\_RTR\_SOLICIT\_DELAY]=1000, [DEVCONF\_USE\_TEMPADDR]=0, [DEVCONF\_TEMP\_VALID\_LFT]=604800, [DEVCONF\_TEMP\_PREFERED\_LFT]=86400, [DEVCONF\_REGEN\_MAX\_RETRY]=3, [DEVCONF\_MAX\_DESYNC\_FACTOR]=600, [DEVCONF\_MAX\_ADDRESSES]=16, [DEVCONF\_FORCE\_MLD\_VERSION]=0, [DEVCONF\_ACCEPT\_RA\_DEFRTR]=1, [DEVCONF\_ACCEPT\_RA\_PINFO]=1, [DEVCONF\_ACCEPT\_RA\_RTR\_PREF]=0, [DEVCONF\_RTR\_PROBE\_INTERVAL]=0, [DEVCONF\_ACCEPT\_RA\_RT\_INFO\_MAX\_PLEN]=0, [DEVCONF\_PROXY\_NDP]=0, [DEVCONF\_OPTIMISTIC\_DAD]=0, [DEVCONF\_ACCEPT\_SOURCE\_ROUTE]=0, [DEVCONF\_MC\_FORWARDING]=0, [DEVCONF\_DISABLE\_IPV6]=0, [DEVCONF\_ACCEPT\_DAD]=1, [DEVCONF\_FORCE\_TLLAO]=0, [DEVCONF\_NDISC\_NOTIFY]=0, [DEVCONF\_MLDV1\_UNSOLICITED\_REPORT\_INTERVAL]=10000, [DEVCONF\_MLDV2\_UNSOLICITED\_REPORT\_INTERVAL]=1000, ...]], [{nla\_len=300, nla\_type=IFLA\_INET6\_STATS}, [[IPSTATS\_MIB\_NUM]=37, [IPSTATS\_MIB\_INPKTS]=1852, [IPSTATS\_MIB\_INOCTETS]=348631, [IPSTATS\_MIB\_INDELIVERS]=0, [IPSTATS\_MIB\_OUTFORWDATAGRAMS]=0, [IPSTATS\_MIB\_OUTPKTS]=27, [IPSTATS\_MIB\_OUTOCTETS]=1684, [IPSTATS\_MIB\_INHDRERRORS]=0, [IPSTATS\_MIB\_INTOOBIGERRORS]=0, [IPSTATS\_MIB\_INNOROUTES]=0, [IPSTATS\_MIB\_INADDRERRORS]=0, [IPSTATS\_MIB\_INUNKNOWNPROTOS]=0, [IPSTATS\_MIB\_INTRUNCATEDPKTS]=0, [IPSTATS\_MIB\_INDISCARDS]=0, [IPSTATS\_MIB\_OUTDISCARDS]=0, [IPSTATS\_MIB\_OUTNOROUTES]=0, [IPSTATS\_MIB\_REASMTIMEOUT]=0, [IPSTATS\_MIB\_REASMREQDS]=0, [IPSTATS\_MIB\_REASMOKS]=0, [IPSTATS\_MIB\_REASMFAILS]=0, [IPSTATS\_MIB\_FRAGOKS]=0, [IPSTATS\_MIB\_FRAGFAILS]=0, [IPSTATS\_MIB\_FRAGCREATES]=0, [IPSTATS\_MIB\_INMCASTPKTS]=1852, [IPSTATS\_MIB\_OUTMCASTPKTS]=27, [IPSTATS\_MIB\_INBCASTPKTS]=0, [IPSTATS\_MIB\_OUTBCASTPKTS]=0, [IPSTATS\_MIB\_INMCASTOCTETS]=348631, [IPSTATS\_MIB\_OUTMCASTOCTETS]=1684, [IPSTATS\_MIB\_INBCASTOCTETS]=0, [IPSTATS\_MIB\_OUTBCASTOCTETS]=0, [IPSTATS\_MIB\_CSUMERRORS]=0, ...]], [{nla\_len=52, nla\_type=IFLA\_INET6\_ICMP6STATS}, [[ICMP6\_MIB\_NUM]=6, [ICMP6\_MIB\_INMSGS]=0, [ICMP6\_MIB\_INERRORS]=0, [ICMP6\_MIB\_OUTMSGS]=27, [ICMP6\_MIB\_OUTERRORS]=0, [ICMP6\_MIB\_CSUMERRORS]=0]], [{nla\_len=20, nla\_type=IFLA\_INET6\_TOKEN}, inet\_pton(AF\_INET6, "::")], [{nla\_len=5, nla\_type=IFLA\_INET6\_ADDR\_GEN\_MODE}, IN6\_ADDR\_GEN\_MODE\_EUI64]]]]], [{nla\_len=41, nla\_type=IFLA\_PARENT\_DEV\_NAME}, "902d75e4-7cf6-4b9d-af9e-1be7f565"...], [{nla\_len=10, nla\_type=IFLA\_PARENT\_DEV\_BUS\_NAME}, "vmbus"]]]], iov\_len=8192}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 2764**

18666 <... rt\_sigprocmask resumed>NULL, 8) = 0

18662 recvmsg(9, <unfinished ...>

18664 close(3 <unfinished ...>

18662 <... recvmsg resumed>{msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[{nlmsg\_len=20, nlmsg\_type=NLMSG\_DONE, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797306, nlmsg\_pid=18662}, 0], iov\_len=8192}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 20

18666 sched\_getparam(18666, <unfinished ...>

**18662 sendto(9, [{nlmsg\_len=20, nlmsg\_type=RTM\_GETADDR, nlmsg\_flags=NLM\_F\_REQUEST|NLM\_F\_DUMP, nlmsg\_seq=1741797307, nlmsg\_pid=0}, {ifa\_family=AF\_UNSPEC, ...}], 20, 0, {sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, 12 <unfinished ...>**

18664 <... close resumed>) = 0

**18662 <... sendto resumed>) = 20**

18666 <... sched\_getparam resumed>[0]) = 0

18662 recvmsg(9, <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libc.so.6", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... recvmsg resumed>{msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[[{nlmsg\_len=76, nlmsg\_type=RTM\_NEWADDR, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797307, nlmsg\_pid=18662}, {ifa\_family=AF\_INET, ifa\_prefixlen=8, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_HOST, ifa\_index=if\_nametoindex("lo")}, [[{nla\_len=8, nla\_type=IFA\_ADDRESS}, inet\_addr("127.0.0.1")], [{nla\_len=8, nla\_type=IFA\_LOCAL}, inet\_addr("127.0.0.1")], [{nla\_len=7, nla\_type=IFA\_LABEL}, "lo"], [{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT], [{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=44, tstamp=44}]]], [{nlmsg\_len=84, nlmsg\_type=RTM\_NEWADDR, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797307, nlmsg\_pid=18662}, {ifa\_family=AF\_INET, ifa\_prefixlen=32, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_UNIVERSE, ifa\_index=if\_nametoindex("lo")}, [[{nla\_len=8, nla\_type=IFA\_ADDRESS}, inet\_addr("10.255.255.254")], [{nla\_len=8, nla\_type=IFA\_LOCAL}, inet\_addr("10.255.255.254")], [{nla\_len=8, nla\_type=IFA\_BROADCAST}, inet\_addr("10.255.255.254")], [{nla\_len=7, nla\_type=IFA\_LABEL}, "lo"], [{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT], [{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=44, tstamp=44}]]], [{nlmsg\_len=88, nlmsg\_type=RTM\_NEWADDR, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797307, nlmsg\_pid=18662}, {ifa\_family=AF\_INET, ifa\_prefixlen=20, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_UNIVERSE, ifa\_index=if\_nametoindex("eth0")}, [[{nla\_len=8, nla\_type=IFA\_ADDRESS}, inet\_addr("172.17.162.92")], [{nla\_len=8, nla\_type=IFA\_LOCAL}, inet\_addr("172.17.162.92")], [{nla\_len=8, nla\_type=IFA\_BROADCAST}, inet\_addr("172.17.175.255")], [{nla\_len=9, nla\_type=IFA\_LABEL}, "eth0"], [{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT], [{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=55, tstamp=55}]]]], iov\_len=8192}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 248

18666 sched\_getscheduler(18666 <unfinished ...>

18662 recvmsg(9, <unfinished ...>

18664 <... openat resumed>) = 3

18662 <... recvmsg resumed>{msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[[{nlmsg\_len=72, nlmsg\_type=RTM\_NEWADDR, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797307, nlmsg\_pid=18662}, {ifa\_family=AF\_INET6, ifa\_prefixlen=128, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_HOST, ifa\_index=if\_nametoindex("lo")}, [[{nla\_len=20, nla\_type=IFA\_ADDRESS}, inet\_pton(AF\_INET6, "::1")], [{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=44, tstamp=44}], [{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT]]], [{nlmsg\_len=72, nlmsg\_type=RTM\_NEWADDR, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797307, nlmsg\_pid=18662}, {ifa\_family=AF\_INET6, ifa\_prefixlen=64, ifa\_flags=IFA\_F\_PERMANENT, ifa\_scope=RT\_SCOPE\_LINK, ifa\_index=if\_nametoindex("eth0")}, [[{nla\_len=20, nla\_type=IFA\_ADDRESS}, inet\_pton(AF\_INET6, "fe80::215:5dff:fe1b:d932")], [{nla\_len=20, nla\_type=IFA\_CACHEINFO}, {ifa\_prefered=4294967295, ifa\_valid=4294967295, cstamp=55, tstamp=55}], [{nla\_len=8, nla\_type=IFA\_FLAGS}, IFA\_F\_PERMANENT]]]], iov\_len=8192}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 144

18666 <... sched\_getscheduler resumed>) = 0 (SCHED\_OTHER)

**18662 recvmsg(9, {msg\_name={sa\_family=AF\_NETLINK, nl\_pid=0, nl\_groups=00000000}, msg\_namelen=12, msg\_iov=[{iov\_base=[{nlmsg\_len=20, nlmsg\_type=NLMSG\_DONE, nlmsg\_flags=NLM\_F\_MULTI, nlmsg\_seq=1741797307, nlmsg\_pid=18662}, 0], iov\_len=8192}], msg\_iovlen=1, msg\_controllen=0, msg\_flags=0}, 0) = 20**

18666 sched\_setscheduler(18666, SCHED\_OTHER, [0] <unfinished ...>

18662 close(9 <unfinished ...>

18664 read(3, <unfinished ...>

18662 <... close resumed>) = 0

18662 socket(AF\_INET, SOCK\_STREAM|SOCK\_CLOEXEC, IPPROTO\_TCP) = 9

18666 <... sched\_setscheduler resumed>) = 0

18662 setsockopt(9, SOL\_SOCKET, SO\_REUSEADDR, [1], 4) = 0

18666 prctl(PR\_SET\_NAME, "ZMQbg/IO/0" <unfinished ...>

18662 bind(9, {sa\_family=AF\_INET, sin\_port=htons(5556), sin\_addr=inet\_addr("127.0.0.1")}, 16) = 0

18662 listen(9, 100 <unfinished ...>

18666 <... prctl resumed>) = 0

18662 <... listen resumed>) = 0

18662 getsockname(9, <unfinished ...>

**18666 epoll\_wait(7, <unfinished ...>**

18662 <... getsockname resumed>{sa\_family=AF\_INET, sin\_port=htons(5556), sin\_addr=inet\_addr("127.0.0.1")}, [128 => 16]) = 0

18662 getsockname(9, {sa\_family=AF\_INET, sin\_port=htons(5556), sin\_addr=inet\_addr("127.0.0.1")}, [128 => 16]) = 0

18662 getpid() = 18662

18662 write(6, "\1\0\0\0\0\0\0\0", 8) = 8

18664 <... read resumed>"\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\220\243\2\0\0\0\0\0"..., 832) = 832

18662 getpid() = 18662

18662 write(8, "\1\0\0\0\0\0\0\0", 8) = 8

18662 fstat(1, <unfinished ...>

**18666 <... epoll\_wait resumed>[{events=EPOLLIN, data={u32=1406296784, u64=94666780467920}}], 256, -1) = 1**

18662 <... fstat resumed>{st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x2), ...}) = 0

18662 write(1, "Ok: 18664\n", 10) = 10

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 1 ([{fd=8, revents=POLLIN}])

18662 getpid() = 18662

18662 read(8, "\1\0\0\0\0\0\0\0", 8) = 8

18664 pread64(3, <unfinished ...>

18662 getpid( <unfinished ...>

18666 getpid( <unfinished ...>

18664 <... pread64 resumed>"\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 fstat(3, <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18666 <... getpid resumed>) = 18662

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... fstat resumed>{st\_mode=S\_IFREG|0755, st\_size=2125328, ...}) = 0

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18666 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18664 pread64(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 getpid( <unfinished ...>

18666 <... poll resumed>) = 1 ([{fd=6, revents=POLLIN}])

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18666 getpid( <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18664 <... pread64 resumed>"\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0"..., 784, 64) = 784

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18666 <... getpid resumed>) = 18662

18662 <... pselect6 resumed>) = 0 (Timeout)

18664 mmap(NULL, 2170256, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 getpid( <unfinished ...>

18666 read(6, <unfinished ...>

18662 <... getpid resumed>) = 18662

18666 <... read resumed>"\1\0\0\0\0\0\0\0", 8) = 8

18664 <... mmap resumed>) = 0x7f52a38d9000

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18666 mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18664 mmap(0x7f52a3901000, 1605632, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18666 <... mmap resumed>) = 0x7fbfa66c6000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18666 munmap(0x7fbfa66c6000, 26451968 <unfinished ...>

18662 getpid( <unfinished ...>

18666 <... munmap resumed>) = 0

18664 <... mmap resumed>) = 0x7f52a3901000

18662 <... getpid resumed>) = 18662

18666 munmap(0x7fbfac000000, 40656896 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 mmap(0x7f52a3a89000, 323584, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1b0000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18666 <... munmap resumed>) = 0

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18666 mprotect(0x7fbfa8000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

18662 getpid() = 18662

18666 <... mprotect resumed>) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

**18666 epoll\_ctl(7, EPOLL\_CTL\_ADD, 9, {events=0, data={u32=2818575216, u64=140461134056304}} <unfinished ...>**

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

**18666 <... epoll\_ctl resumed>) = 0**

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

**18666 epoll\_ctl(7, EPOLL\_CTL\_MOD, 9, {events=EPOLLIN, data={u32=2818575216, u64=140461134056304}} <unfinished ...>**

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

**18666 <... epoll\_ctl resumed>) = 0**

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18666 getpid( <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18666 <... getpid resumed>) = 18662

18662 getpid() = 18662

18666 poll([{fd=6, events=POLLIN}], 1, 0 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18666 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

**18666 epoll\_wait(7, <unfinished ...>**

18664 <... mmap resumed>) = 0x7f52a3a89000

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a3ad8000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1fe000 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a3ad8000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a3ade000, 52624, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a3ade000

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 close(3 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... close resumed>) = 0

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libbsd.so.0", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid() = 18662

18664 <... openat resumed>) = 3

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 read(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 getpid() = 18662

18664 fstat(3, <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=80888, ...}) = 0

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(NULL, 86208, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a38c3000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a38c7000, 49152, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a38c7000

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a38d3000, 12288, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a38d3000

18662 getpid() = 18662

18664 mmap(0x7f52a38d6000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x12000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a38d6000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a38d8000, 192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a38d8000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... close resumed>) = 0

18662 getpid() = 18662

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libsodium.so.23", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... openat resumed>) = 3

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 read(3, <unfinished ...>

18662 getpid() = 18662

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 fstat(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=355040, ...}) = 0

18662 getpid() = 18662

18664 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a38c1000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(NULL, 353336, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a386a000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 mmap(0x7f52a3876000, 233472, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3876000

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 mmap(0x7f52a38af000, 65536, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x45000 <unfinished ...>

18662 <... getpid resumed>) = 18662

18664 <... mmap resumed>) = 0x7f52a38af000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a38bf000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x55000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a38bf000

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 close(3 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18664 <... close resumed>) = 0

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libpgm-5.3.so.0", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... openat resumed>) = 3

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 read(3, <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 fstat(3, <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=285568, ...}) = 0

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(NULL, 301040, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a3820000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a3824000, 159744, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a3824000

18662 getpid() = 18662

18664 mmap(0x7f52a384b000, 102400, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2b000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a384b000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a3864000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x44000 <unfinished ...>

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3864000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a3866000, 14320, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3866000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 close(3 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... close resumed>) = 0

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libnorm.so.1", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... openat resumed>) = 3

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 read(3, <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 fstat(3, <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=366760, ...}) = 0

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 mmap(NULL, 1092032, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3715000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a371e000, 274432, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9000 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a371e000

18662 getpid() = 18662

18664 mmap(0x7f52a3761000, 45056, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4c000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a3761000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a376c000, 16384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x56000 <unfinished ...>

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a376c000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a3770000, 719296, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3770000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... close resumed>) = 0

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgssapi\_krb5.so.2", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... openat resumed>) = 3

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 read(3, <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 fstat(3, <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=338696, ...}) = 0

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 mmap(NULL, 341080, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a36c1000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a36cd000, 237568, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a36cd000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 mmap(0x7f52a3707000, 40960, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x46000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3707000

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 mmap(0x7f52a3711000, 16384, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4f000 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a3711000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 getpid() = 18662

18664 <... close resumed>) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libm.so.6", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... openat resumed>) = 3

18662 getpid() = 18662

18664 read(3, <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... read resumed>"\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 fstat(3, <unfinished ...>

18662 getpid() = 18662

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=952616, ...}) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(NULL, 950296, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a35d8000

18662 getpid() = 18662

18664 mmap(0x7f52a35e8000, 520192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x10000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a35e8000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a3667000, 360448, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x8f000 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a3667000

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 mmap(0x7f52a36bf000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe7000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a36bf000

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid() = 18662

18664 close(3 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... close resumed>) = 0

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libmd.so.0", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 getpid() = 18662

18664 <... openat resumed>) = 3

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 read(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 getpid() = 18662

18664 fstat(3, <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=55536, ...}) = 0

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a35d6000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(NULL, 57448, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a35c7000

18662 getpid() = 18662

18664 mmap(0x7f52a35c9000, 36864, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a35c9000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a35d2000, 8192, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xb000 <unfinished ...>

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a35d2000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a35d4000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xc000 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a35d4000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... close resumed>) = 0

18662 getpid() = 18662

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkrb5.so.3", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... openat resumed>) = 3

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 read(3, <unfinished ...>

18662 getpid() = 18662

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 fstat(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=823488, ...}) = 0

18662 getpid() = 18662

18664 mmap(NULL, 822032, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34fe000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a351e000, 397312, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x20000 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a351e000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a357f000, 233472, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x81000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a357f000

18662 getpid() = 18662

18664 mmap(0x7f52a35b8000, 61440, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xba000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a35b8000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 close(3 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... close resumed>) = 0

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libk5crypto.so.3", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... openat resumed>) = 3

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 read(3, <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 fstat(3, <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=178648, ...}) = 0

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(NULL, 176392, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34d2000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 mmap(0x7f52a34d6000, 110592, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34d6000

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 mmap(0x7f52a34f1000, 45056, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1f000 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34f1000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a34fc000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2a000 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34fc000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... close resumed>) = 0

18662 getpid() = 18662

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libcom\_err.so.2", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... openat resumed>) = 3

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 read(3, <unfinished ...>

18662 getpid() = 18662

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 fstat(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=18504, ...}) = 0

18662 getpid( <unfinished ...>

18664 mmap(NULL, 20552, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34cc000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18662 getpid() = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 mmap(0x7f52a34ce000, 4096, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34ce000

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 mmap(0x7f52a34cf000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000 <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34cf000

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 mmap(0x7f52a34d0000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34d0000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 close(3 <unfinished ...>

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 <... close resumed>) = 0

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkrb5support.so.0", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL <unfinished ...>

18664 <... openat resumed>) = 3

18662 <... pselect6 resumed>) = 0 (Timeout)

18662 getpid( <unfinished ...>

18664 read(3, <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 <... poll resumed>) = 0 (Timeout)

18664 fstat(3, <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=47904, ...}) = 0

18662 getpid() = 18662

18664 mmap(NULL, 50128, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34bf000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a34c2000, 24576, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a34c2000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a34c8000, 8192, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34c8000

18662 getpid( <unfinished ...>

18664 mmap(0x7f52a34ca000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xa000 <unfinished ...>

18662 <... getpid resumed>) = 18662

18662 poll([{fd=8, events=POLLIN}], 1, 0 <unfinished ...>

18664 <... mmap resumed>) = 0x7f52a34ca000

18662 <... poll resumed>) = 0 (Timeout)

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 getpid() = 18662

18664 <... close resumed>) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libkeyutils.so.1", O\_RDONLY|O\_CLOEXEC <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... openat resumed>) = 3

18662 getpid() = 18662

18664 read(3, <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... read resumed>"\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\0\0\0\0\0\0\0"..., 832) = 832

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 fstat(3, <unfinished ...>

18662 getpid() = 18662

18664 <... fstat resumed>{st\_mode=S\_IFREG|0644, st\_size=22600, ...}) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34bd000

18662 getpid() = 18662

18664 mmap(NULL, 24592, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34b6000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 mmap(0x7f52a34b8000, 8192, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x2000 <unfinished ...>

18662 getpid() = 18662

18664 <... mmap resumed>) = 0x7f52a34b8000

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 mmap(0x7f52a34ba000, 4096, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000 <unfinished ...>

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34ba000

18662 getpid() = 18662

18664 mmap(0x7f52a34bb000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x4000 <unfinished ...>

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 <... mmap resumed>) = 0x7f52a34bb000

18662 pselect6(1, [0], NULL, NULL, {tv\_sec=0, tv\_nsec=0}, NULL) = 0 (Timeout)

18664 close(3 <unfinished ...>

18662 getpid() = 18662

18664 <... close resumed>) = 0

18662 poll([{fd=8, events=POLLIN}], 1, 0) = 0 (Timeout)

18664 openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libresolv.so.2", O\_RDONLY|O\_CLOEXEC

**Вывод**

При выполнении лабораторных работ по курсу “Операционные Системы” мне часто приходилось пользоваться утилитой strace. Она показывает выполняемые процессы, команды, взаимосвязи: одним словом, необходимые разработчику вещи для отладки любой программы. А наличие у strace возможности задавать флаги, указывающие, что именно следует сохранять, делает эту утилиту особенно удобной! Мне было приятно познакомиться с strace и я буду и дальше использовать его в работе!