Московский Авиационный Институт

(Национальный Исследовательский Университет)

Институт №8 “Компьютерные науки и прикладная математика”

Кафедра №806 “Вычислительная математика и программирование”

**Лабораторная работа №2 по курсу**

**«Операционные системы»**

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**Постановка задачи**

**Вариант 9.**

Составить программу на языке Си, обрабатывающую данные в многопоточном режиме. При обработки использовать стандартные средства создания потоков операционной системы (Windows/Unix). Ограничение максимального количества потоков, работающих в один момент времени, должно быть задано ключом запуска вашей программы.

Так же необходимо уметь продемонстрировать количество потоков, используемое вашей программой с помощью стандартных средств операционной системы.

В отчете привести исследование зависимости ускорения и эффективности алгоритма от входных данных и количества потоков. Получившиеся результаты необходимо объяснить.

9. Рассчитать детерминант матрицы (используя определение детерминанта)

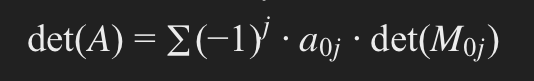
**Общий метод и алгоритм решения**

Использованные системные вызовы:

* int pthread\_create(pthread\_t \*thread, const pthread\_attr\_t \*attr, void \*(\*start\_routine)(void \*), void \*arg) - Создаёт новый поток, выполняющий функцию start\_routine.
* int pthread\_join(pthread\_t thread, void \*\*retval) - Ожидает завершения потока thread и получает его статус завершения.
* int sem\_init(sem\_t \*sem, int pshared, unsigned int value) - Инициализирует семафор sem с начальными значениями.
* int sem\_wait(sem\_t \*sem) - Уменьшает значение семафора (блокирует, если 0).
* int sem\_post(sem\_t \*sem) - Увеличивает значение семафора (разрешает выполнение следующему потоку).
* int sem\_destroy(sem\_t \*sem) - Освобождает ресурсы семафора.

Алгоритм решения:

* Ввод данных
  + При запуске программы пользователь вводит максимальное количество потоков, которое ограничивает число одновременно работающих потоков.
  + Пользователь вводит размер матрицы N × N.
* Создание потоков для вычисления детерминанта
  + Если N == 1, то возвращается единственный элемент матрицы (детерминант матрицы 1×1 равен её единственному элементу).
  + В противном случае, программа разлагает матрицу по первой строке, создавая N новых потоков.
  + Каждый поток вычисляет минор матрицы (матрицу без одной строки и одного столбца) и рекурсивно вызывает calculateDeterminant().
  + При создании каждого потока используется семафор, который ограничивает число одновременно работающих потоков (nThreads).
* Ожидание завершения потоков
  + После запуска всех потоков программа ожидает их завершения (pthread\_join).
  + Каждый поток возвращает вычисленный минор (детерминант подматрицы).
* Сбор результатов
  + Потоки возвращают вычисленные мино́ры, и программа вычисляет окончательный детерминант по формуле разложения по строке:



* + Результат складывается и передаётся в основной поток.
* Вывод результата
  + Программа выводит окончательный детерминант.
  + Затем она завершает работу, освобождая ресурсы потоков и семафоров.

**Код программы**

**main.c**

#include <iostream>

#include <vector>

#include <pthread.h>

#include <semaphore.h>

#include <unistd.h>

#include <cstdlib>

struct ThreadData {

std::vector<std::vector<int> > matrix;

size\_t size;

size\_t column;

int nThreads;

sem\_t\* semaphore;

int result;

};

int calculateDeterminant(const std::vector<std::vector<int> >& matrix, size\_t size, size\_t nThreads);

void\* calculateSubDeterminant(void\* param) {

ThreadData\* data = static\_cast<ThreadData\*>(param);

size\_t newSize = data->size - 1;

std::vector<std::vector<int> > subMatrix(newSize, std::vector<int>(newSize));

for (int i = 1; i < data->size; i++) {

int colIndex = 0;

for (int j = 0; j < data->size; ++j) {

if (j == data->column) {

continue;

}

subMatrix[i - 1][colIndex] = data->matrix[i][j];

colIndex++;

}

}

data->result = calculateDeterminant(subMatrix, newSize, data->nThreads);

sem\_post(data->semaphore);

return nullptr;

}

int calculateDeterminant(const std::vector<std::vector<int> >& matrix, size\_t size, size\_t nThreads) {

if (size == 1) {

return matrix[0][0];

}

sem\_t semaphore;

sem\_init(&semaphore, 0, nThreads);

int determinant = 0;

pthread\_t\* threads = new pthread\_t[size];

ThreadData\* data = new ThreadData[size];

for (int col = 0; col < size; ++col) {

sem\_wait(&semaphore);

data[col].matrix = matrix;

data[col].size = size;

data[col].column = col;

data[col].semaphore = &semaphore;

data[col].nThreads = nThreads;

data[col].result = 0;

pthread\_create(&threads[col], nullptr, calculateSubDeterminant, &data[col]);

}

for (int col = 0; col < size; ++col) {

pthread\_join(threads[col], nullptr);

int sign = (col % 2 == 0) ? 1 : -1;

determinant += sign \* matrix[0][col] \* data[col].result;

}

delete[] threads;

delete[] data;

sem\_destroy(&semaphore);

return determinant;

}

int main(int argc, char\* argv[]) {

if (argc != 2) {

std::cerr << "Usage: " << argv[0] << " <max\_threads>" << std::endl;

return 1;

}

size\_t maxThreads = std::atoi(argv[1]);

if (maxThreads < 1) {

std::cerr << "Invalid number of threads. Must be at least 1." << std::endl;

return 1;

}

size\_t size;

std::cout << "Enter matrix size: ";

std::cin >> size;

std::vector<std::vector<int> > matrix(size, std::vector<int>(size));

std::cout << "Enter matrix elements: ";

for (int i = 0; i < size; ++i) {

for (int j = 0; j < size; ++j) {

std::cin >> matrix[i][j];

}

}

int determinant = calculateDeterminant(matrix, size, maxThreads);

std::cout << "Determinant: " << determinant << std::endl;

return 0;

}

**test\_determinant.sh**

#!/bin/bash

# Компилируем программу

g++ -o matrix\_determinant main.cpp -pthread

# Размеры матриц для тестирования

MATRIX\_SIZES=(8 16 32 64)

# Количество потоков для тестирования

THREAD\_COUNTS=(1 2 3 4 5 6)

echo "Размер\_матрицы Макс\_потоков Время\_мс Ускорение\_Eff Эффективность\_Eff"

for SIZE in "${MATRIX\_SIZES[@]}"; do

T1=0 # Время выполнения для 1 потока

for THREADS in "${THREAD\_COUNTS[@]}"; do

# Генерация случайной матрицы

MATRIX\_FILE="matrix\_${SIZE}.txt"

echo $SIZE > $MATRIX\_FILE

for ((i = 0; i < SIZE; i++)); do

for ((j = 0; j < SIZE; j++)); do

echo -n "$((RANDOM % 10)) " >> $MATRIX\_FILE

done

echo "" >> $MATRIX\_FILE

done

# --- Измерение времени (универсально для MacOS/Linux) ---

START\_SEC=$(date +%s)

START\_NANO=$(date +%N)

if [[ "$START\_NANO" == \*N ]]; then

START\_NANO=0

else

START\_NANO=$(($START\_NANO / 1000000))

fi

START\_TIME=$((START\_SEC \* 1000 + START\_NANO))

./matrix\_determinant $THREADS < $MATRIX\_FILE > /dev/null

END\_SEC=$(date +%s)

END\_NANO=$(date +%N)

if [[ "$END\_NANO" == \*N ]]; then

END\_NANO=0

else

END\_NANO=$(($END\_NANO / 1000000))

fi

END\_TIME=$((END\_SEC \* 1000 + END\_NANO))

EXEC\_TIME=$((END\_TIME - START\_TIME)) # Разница в миллисекундах

# Сохранение времени для 1 потока

if [ "$THREADS" -eq 1 ]; then

T1=$EXEC\_TIME

fi

# Вычисление ускорения и эффективности с нормальным форматом

if [ "$THREADS" -eq 1 ]; then

S\_N=1.00

E\_N=1.00

else

S\_N=$(echo "scale=2; $T1 / $EXEC\_TIME" | bc)

E\_N=$(echo "scale=2; $S\_N / $THREADS" | bc)

fi

# Вывод с форматированием (включает ведущие нули)

printf "%-15s %-15s %-15s %-15.2f %-15.2f\n" "$SIZE" "$THREADS" "$EXEC\_TIME" "$S\_N" "$E\_N"

done

done

**Протокол работы программы**

**Тестирование:**

При тестировании программы при различных размерах матрицы и максимальном количестве потоков, были получены такие результаты:

| **Размер матрицы** | **Число потоков** | **Время выполнения (мс)** | **Ускорение** | **Эффективность** |
| --- | --- | --- | --- | --- |
| 8 | 1 | 5000 | 1.00 | 1.00 |
| 8 | 2 | 5000 | 1.00 | 0.50 |
| 8 | 3 | 8000 | 0.62 | 0.20 |
| 8 | 4 | 5000 | 1.00 | 0.25 |
| 8 | 5 | 6000 | 0.83 | 0.16 |
| 8 | 6 | 6000 | 0.83 | 0.13 |
| 16 | 1 | 20000 | 1.00 | 1.00 |
| 16 | 2 | 27000 | 0.74 | 0.37 |
| 16 | 3 | 11000 | 1.81 | 0.60 |
| 16 | 4 | 12000 | 1.66 | 0.41 |
| 16 | 5 | 15000 | 1.33 | 0.26 |
| 16 | 6 | 27000 | 0.74 | 0.12 |
| 32 | 1 | 27000 | 1.00 | 1.00 |
| 32 | 2 | 48000 | 0.56 | 0.28 |
| 32 | 3 | 40000 | 0.67 | 0.22 |
| 32 | 4 | 34000 | 0.79 | 0.19 |
| 32 | 5 | 35000 | 0.77 | 0.15 |
| 32 | 6 | 27000 | 1.00 | 0.16 |
| 64 | 1 | 68000 | 1.00 | 1.00 |
| 64 | 2 | 65000 | 01.04 | 0.52 |
| 64 | 3 | 64000 | 01.06 | 0.35 |
| 64 | 4 | 60000 | 1.13 | 0.28 |
| 64 | 5 | 70000 | 0.97 | 0.19 |
| 64 | 6 | 65000 | 01.04 | 0.17 |

**Strace:**

strace -f ./matrix\_determinant 3

execve("./matrix\_determinant", ["./matrix\_determinant", "3"], 0x7ffd49254410 /\* 27 vars \*/) = 0

brk(NULL) = 0x55944aa26000

arch\_prctl(0x3001 /\* ARCH\_??? \*/, 0x7ffdce8c8670) = -1 EINVAL (Invalid argument)

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fa876ed4000

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

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=22315, ...}, AT\_EMPTY\_PATH) = 0

mmap(NULL, 22315, PROT\_READ, MAP\_PRIVATE, 3, 0) = 0x7fa876ece000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libstdc++.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

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=2522584, ...}, AT\_EMPTY\_PATH) = 0

mmap(NULL, 2539968, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fa876c61000

mprotect(0x7fa876cfd000, 1830912, PROT\_NONE) = 0

mmap(0x7fa876cfd000, 1249280, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x9c000) = 0x7fa876cfd000

mmap(0x7fa876e2e000, 577536, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1cd000) = 0x7fa876e2e000

mmap(0x7fa876ebc000, 57344, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x25a000) = 0x7fa876ebc000

mmap(0x7fa876eca000, 12736, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fa876eca000

close(3) = 0

openat(AT\_FDCWD, "/lib/x86\_64-linux-gnu/libgcc\_s.so.1", 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

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=141896, ...}, AT\_EMPTY\_PATH) = 0

mmap(NULL, 144232, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fa876c3d000

mmap(0x7fa876c40000, 110592, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x3000) = 0x7fa876c40000

mmap(0x7fa876c5b000, 16384, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1e000) = 0x7fa876c5b000

mmap(0x7fa876c5f000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x21000) = 0x7fa876c5f000

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\0P\237\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

pread64(3, "\4\0\0\0 \0\0\0\5\0\0\0GNU\0\2\0\0\300\4\0\0\0\3\0\0\0\0\0\0\0"..., 48, 848) = 48

pread64(3, "\4\0\0\0\24\0\0\0\3\0\0\0GNU\0I\17\357\204\3$\f\221\2039x\324\224\323\236S"..., 68, 896) = 68

newfstatat(3, "", {st\_mode=S\_IFREG|0755, st\_size=2220400, ...}, AT\_EMPTY\_PATH) = 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, 2264656, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fa876a14000

mprotect(0x7fa876a3c000, 2023424, PROT\_NONE) = 0

mmap(0x7fa876a3c000, 1658880, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x28000) = 0x7fa876a3c000

mmap(0x7fa876bd1000, 360448, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x1bd000) = 0x7fa876bd1000

mmap(0x7fa876c2a000, 24576, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x215000) = 0x7fa876c2a000

mmap(0x7fa876c30000, 52816, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_ANONYMOUS, -1, 0) = 0x7fa876c30000

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

newfstatat(3, "", {st\_mode=S\_IFREG|0644, st\_size=940560, ...}, AT\_EMPTY\_PATH) = 0

mmap(NULL, 942344, PROT\_READ, MAP\_PRIVATE|MAP\_DENYWRITE, 3, 0) = 0x7fa87692d000

mmap(0x7fa87693b000, 507904, PROT\_READ|PROT\_EXEC, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe000) = 0x7fa87693b000

mmap(0x7fa8769b7000, 372736, PROT\_READ, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0x8a000) = 0x7fa8769b7000

mmap(0x7fa876a12000, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_FIXED|MAP\_DENYWRITE, 3, 0xe4000) = 0x7fa876a12000

close(3) = 0

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fa87692b000

arch\_prctl(ARCH\_SET\_FS, 0x7fa87692c400) = 0

set\_tid\_address(0x7fa87692c6d0) = 576458

set\_robust\_list(0x7fa87692c6e0, 24) = 0

rseq(0x7fa87692cda0, 0x20, 0, 0x53053053) = 0

mprotect(0x7fa876c2a000, 16384, PROT\_READ) = 0

mprotect(0x7fa876a12000, 4096, PROT\_READ) = 0

mprotect(0x7fa876c5f000, 4096, PROT\_READ) = 0

mmap(NULL, 8192, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7fa876929000

mprotect(0x7fa876ebc000, 45056, PROT\_READ) = 0

mprotect(0x559416e0c000, 4096, PROT\_READ) = 0

mprotect(0x7fa876f0e000, 8192, PROT\_READ) = 0

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

munmap(0x7fa876ece000, 22315) = 0

futex(0x7fa876eca7fc, FUTEX\_WAKE\_PRIVATE, 2147483647) = 0

getrandom("\x50\x76\xa9\xf0\xa8\x62\x60\x1c", 8, GRND\_NONBLOCK) = 8

brk(NULL) = 0x55944aa26000

brk(0x55944aa47000) = 0x55944aa47000

newfstatat(1, "", {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x3), ...}, AT\_EMPTY\_PATH) = 0

write(1, "Enter matrix size: ", 19Enter matrix size: ) = 19

newfstatat(0, "", {st\_mode=S\_IFCHR|0620, st\_rdev=makedev(0x88, 0x3), ...}, AT\_EMPTY\_PATH) = 0

read(0, 4

"4\n", 1024) = 2

write(1, "Enter matrix elements: ", 23Enter matrix elements: ) = 23

read(0, 1000 334 546 577

"1000 334 546 577\n", 1024) = 17

read(0, 234 546 675 089

"234 546 675 089\n", 1024) = 16

read(0, 213 34 765 798

"213 34 765 798\n", 1024) = 15

read(0, 532 456 76 977

"532 456 76 977\n", 1024) = 15

rt\_sigaction(SIGRT\_1, {sa\_handler=0x7fa876aa5870, sa\_mask=[], sa\_flags=SA\_RESTORER|SA\_ONSTACK|SA\_RESTART|SA\_SIGINFO, sa\_restorer=0x7fa876a56520}, 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) = 0x7fa876128000

mprotect(0x7fa876129000, 8388608, PROT\_READ|PROT\_WRITE) = 0

rt\_sigprocmask(SIG\_BLOCK, ~[], [], 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=0x7fa876928910, parent\_tid=0x7fa876928910, exit\_signal=0, stack=0x7fa876128000, stack\_size=0x7fff00, tls=0x7fa876928640}strace: Process 576466 attached

=> {parent\_tid=[576466]}, 88) = 576466

[pid 576458] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576466] rseq(0x7fa876928fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576458] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] <... rseq resumed>) = 0

[pid 576458] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576466] set\_robust\_list(0x7fa876928920, 24 <unfinished ...>

[pid 576458] <... mmap resumed>) = 0x7fa875927000

[pid 576466] <... set\_robust\_list resumed>) = 0

[pid 576458] mprotect(0x7fa875928000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576466] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576458] <... mprotect resumed>) = 0

[pid 576466] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576458] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576466] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576458] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576466] <... mmap resumed>) = 0x7fa86d927000

[pid 576458] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa876127910, parent\_tid=0x7fa876127910, exit\_signal=0, stack=0x7fa875927000, stack\_size=0x7fff00, tls=0x7fa876127640} <unfinished ...>

[pid 576466] munmap(0x7fa86d927000, 40734720) = 0

strace: Process 576467 attached

[pid 576466] munmap(0x7fa874000000, 26374144 <unfinished ...>

[pid 576458] <... clone3 resumed> => {parent\_tid=[576467]}, 88) = 576467

[pid 576458] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576467] rseq(0x7fa876127fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576466] <... munmap resumed>) = 0

[pid 576458] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576467] <... rseq resumed>) = 0

[pid 576466] mprotect(0x7fa870000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576458] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576467] set\_robust\_list(0x7fa876127920, 24 <unfinished ...>

[pid 576458] <... mmap resumed>) = 0x7fa875126000

[pid 576466] <... mprotect resumed>) = 0

[pid 576458] mprotect(0x7fa875127000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576466] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576458] <... mprotect resumed>) = 0

[pid 576467] <... set\_robust\_list resumed>) = 0

[pid 576466] <... mmap resumed>) = 0x7fa874925000

[pid 576458] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576466] mprotect(0x7fa874926000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576458] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576467] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576458] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa875926910, parent\_tid=0x7fa875926910, exit\_signal=0, stack=0x7fa875126000, stack\_size=0x7fff00, tls=0x7fa875926640} <unfinished ...>

[pid 576466] <... mprotect resumed>) = 0

[pid 576467] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576466] <... rt\_sigprocmask resumed>[], 8) = 0

strace: Process 576468 attached

[pid 576458] <... clone3 resumed> => {parent\_tid=[576468]}, 88) = 576468

[pid 576467] <... mmap resumed>) = 0x7fa868000000

[pid 576466] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa875125910, parent\_tid=0x7fa875125910, exit\_signal=0, stack=0x7fa874925000, stack\_size=0x7fff00, tls=0x7fa875125640} <unfinished ...>

[pid 576458] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576468] rseq(0x7fa875926fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576467] munmap(0x7fa86c000000, 67108864strace: Process 576469 attached

<unfinished ...>

[pid 576458] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576468] <... rseq resumed>) = 0

[pid 576458] futex(0x7ffdce8c8640, FUTEX\_WAIT\_BITSET\_PRIVATE|FUTEX\_CLOCK\_REALTIME, 0, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576469] rseq(0x7fa875125fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576468] set\_robust\_list(0x7fa875926920, 24 <unfinished ...>

[pid 576467] <... munmap resumed>) = 0

[pid 576469] <... rseq resumed>) = 0

[pid 576468] <... set\_robust\_list resumed>) = 0

[pid 576466] <... clone3 resumed> => {parent\_tid=[576469]}, 88) = 576469

[pid 576469] set\_robust\_list(0x7fa875125920, 24 <unfinished ...>

[pid 576468] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576467] mprotect(0x7fa868000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576469] <... set\_robust\_list resumed>) = 0

[pid 576468] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576469] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576468] mmap(0x7fa86c000000, 67108864, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576467] <... mprotect resumed>) = 0

[pid 576469] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576468] <... mmap resumed>) = 0x7fa86c000000

[pid 576466] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576469] mmap(0x7fa86c000000, 67108864, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576468] mprotect(0x7fa86c000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576467] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576466] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576469] <... mmap resumed>) = 0x7fa864000000

[pid 576468] <... mprotect resumed>) = 0

[pid 576467] <... mmap resumed>) = 0x7fa874124000

[pid 576469] mprotect(0x7fa864000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576468] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576466] <... mmap resumed>) = 0x7fa8637ff000

[pid 576469] <... mprotect resumed>) = 0

[pid 576468] <... mmap resumed>) = 0x7fa862ffe000

[pid 576467] mprotect(0x7fa874125000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576466] mprotect(0x7fa863800000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576469] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576468] mprotect(0x7fa862fff000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576467] <... mprotect resumed>) = 0

[pid 576469] <... mmap resumed>) = 0x7fa8627fd000

[pid 576468] <... mprotect resumed>) = 0

[pid 576466] <... mprotect resumed>) = 0

[pid 576469] mprotect(0x7fa8627fe000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576468] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576469] <... mprotect resumed>) = 0

[pid 576468] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576466] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576466] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576468] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8637fe910, parent\_tid=0x7fa8637fe910, exit\_signal=0, stack=0x7fa862ffe000, stack\_size=0x7fff00, tls=0x7fa8637fe640} <unfinished ...>

[pid 576469] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa874924910, parent\_tid=0x7fa874924910, exit\_signal=0, stack=0x7fa874124000, stack\_size=0x7fff00, tls=0x7fa874924640}strace: Process 576470 attached

<unfinished ...>

[pid 576469] <... rt\_sigprocmask resumed>[], 8) = 0

strace: Process 576471 attached

[pid 576470] rseq(0x7fa8637fefe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576469] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa862ffd910, parent\_tid=0x7fa862ffd910, exit\_signal=0, stack=0x7fa8627fd000, stack\_size=0x7fff00, tls=0x7fa862ffd640} <unfinished ...>

[pid 576468] <... clone3 resumed> => {parent\_tid=[576470]}, 88) = 576470

[pid 576471] rseq(0x7fa874924fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576470] <... rseq resumed>) = 0

[pid 576467] <... clone3 resumed> => {parent\_tid=[576471]}, 88) = 576471

[pid 576466] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa863fff910, parent\_tid=0x7fa863fff910, exit\_signal=0, stack=0x7fa8637ff000, stack\_size=0x7fff00, tls=0x7fa863fff640}strace: Process 576472 attached

<unfinished ...>

[pid 576471] <... rseq resumed>) = 0

[pid 576470] set\_robust\_list(0x7fa8637fe920, 24 <unfinished ...>

[pid 576469] <... clone3 resumed> => {parent\_tid=[576472]}, 88) = 576472

[pid 576468] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576467] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576472] rseq(0x7fa862ffdfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576471] set\_robust\_list(0x7fa874924920, 24 <unfinished ...>

[pid 576470] <... set\_robust\_list resumed>) = 0

[pid 576469] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576468] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576472] <... rseq resumed>) = 0

[pid 576471] <... set\_robust\_list resumed>) = 0

[pid 576470] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576469] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576468] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576467] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576472] set\_robust\_list(0x7fa862ffd920, 24 <unfinished ...>

[pid 576470] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576469] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576468] <... mmap resumed>) = 0x7fa861ffc000

[pid 576466] <... clone3 resumed> => {parent\_tid=[576473]}, 88) = 576473

[pid 576472] <... set\_robust\_list resumed>) = 0

[pid 576471] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576470] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576469] <... mmap resumed>) = 0x7fa8617fb000

strace: Process 576473 attached

[pid 576472] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576471] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576470] <... mmap resumed>) = 0x7fa8597fb000

[pid 576469] mprotect(0x7fa8617fc000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576468] mprotect(0x7fa861ffd000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576467] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576466] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576473] rseq(0x7fa863ffffe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576472] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576471] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576470] munmap(0x7fa8597fb000, 41963520 <unfinished ...>

[pid 576469] <... mprotect resumed>) = 0

[pid 576468] <... mprotect resumed>) = 0

[pid 576473] <... rseq resumed>) = 0

[pid 576472] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576471] <... mmap resumed>) = 0x7fa850ffa000

[pid 576470] <... munmap resumed>) = 0

[pid 576467] <... mmap resumed>) = 0x7fa858ffa000

[pid 576466] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576473] set\_robust\_list(0x7fa863fff920, 24 <unfinished ...>

[pid 576472] <... mmap resumed>) = 0x7fa848ffa000

[pid 576471] munmap(0x7fa850ffa000, 50356224 <unfinished ...>

[pid 576470] munmap(0x7fa860000000, 25145344 <unfinished ...>

[pid 576469] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576468] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] mprotect(0x7fa858ffb000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576473] <... set\_robust\_list resumed>) = 0

[pid 576472] munmap(0x7fa848ffa000, 50356224 <unfinished ...>

[pid 576471] <... munmap resumed>) = 0

[pid 576470] <... munmap resumed>) = 0

[pid 576469] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576468] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576466] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576473] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576472] <... munmap resumed>) = 0

[pid 576471] munmap(0x7fa858000000, 16752640 <unfinished ...>

[pid 576470] mprotect(0x7fa85c000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576469] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa861ffb910, parent\_tid=0x7fa861ffb910, exit\_signal=0, stack=0x7fa8617fb000, stack\_size=0x7fff00, tls=0x7fa861ffb640} <unfinished ...>

[pid 576468] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8627fc910, parent\_tid=0x7fa8627fc910, exit\_signal=0, stack=0x7fa861ffc000, stack\_size=0x7fff00, tls=0x7fa8627fc640} <unfinished ...>

[pid 576467] <... mprotect resumed>) = 0

[pid 576466] <... mmap resumed>) = 0x7fa860ffa000

strace: Process 576474 attached

[pid 576473] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576472] munmap(0x7fa850000000, 16752640 <unfinished ...>

[pid 576471] <... munmap resumed>) = 0

[pid 576470] <... mprotect resumed>) = 0

strace: Process 576475 attached

[pid 576474] rseq(0x7fa861ffbfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576473] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576472] <... munmap resumed>) = 0

[pid 576471] mprotect(0x7fa854000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576470] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576469] <... clone3 resumed> => {parent\_tid=[576474]}, 88) = 576474

[pid 576468] <... clone3 resumed> => {parent\_tid=[576475]}, 88) = 576475

[pid 576467] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576466] mprotect(0x7fa860ffb000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576475] rseq(0x7fa8627fcfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576474] <... rseq resumed>) = 0

[pid 576473] <... mmap resumed>) = 0x7fa844000000

[pid 576472] mprotect(0x7fa84c000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576471] <... mprotect resumed>) = 0

[pid 576470] <... mmap resumed>) = 0x7fa8607f9000

[pid 576469] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576468] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576467] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576475] <... rseq resumed>) = 0

[pid 576474] set\_robust\_list(0x7fa861ffb920, 24 <unfinished ...>

[pid 576473] munmap(0x7fa848000000, 67108864 <unfinished ...>

[pid 576472] <... mprotect resumed>) = 0

[pid 576471] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576470] mprotect(0x7fa8607fa000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576469] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576468] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] <... mprotect resumed>) = 0

[pid 576475] set\_robust\_list(0x7fa8627fc920, 24 <unfinished ...>

[pid 576474] <... set\_robust\_list resumed>) = 0

[pid 576473] <... munmap resumed>) = 0

[pid 576472] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576471] <... mmap resumed>) = 0x7fa85b7ff000

[pid 576470] <... mprotect resumed>) = 0

[pid 576469] futex(0x7fa862ffd910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576472, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576468] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576467] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8597fa910, parent\_tid=0x7fa8597fa910, exit\_signal=0, stack=0x7fa858ffa000, stack\_size=0x7fff00, tls=0x7fa8597fa640} <unfinished ...>

[pid 576475] <... set\_robust\_list resumed>) = 0

[pid 576474] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576473] mprotect(0x7fa844000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576472] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576471] mprotect(0x7fa85b800000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576470] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576468] <... mmap resumed>) = 0x7fa85affe000

[pid 576466] rt\_sigprocmask(SIG\_BLOCK, ~[], strace: Process 576476 attached

<unfinished ...>

[pid 576475] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576474] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576473] <... mprotect resumed>) = 0

[pid 576472] madvise(0x7fa8627fd000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576471] <... mprotect resumed>) = 0

[pid 576470] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576468] mprotect(0x7fa85afff000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576466] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576476] rseq(0x7fa8597fafe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576475] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576474] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576473] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576472] <... madvise resumed>) = 0

[pid 576471] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576470] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa860ff9910, parent\_tid=0x7fa860ff9910, exit\_signal=0, stack=0x7fa8607f9000, stack\_size=0x7fff00, tls=0x7fa860ff9640} <unfinished ...>

[pid 576468] <... mprotect resumed>) = 0

[pid 576467] <... clone3 resumed> => {parent\_tid=[576476]}, 88) = 576476

strace: Process 576477 attached

[pid 576476] <... rseq resumed>) = 0

[pid 576475] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576474] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576473] <... mmap resumed>) = 0x7fa85a7fd000

[pid 576472] exit(0 <unfinished ...>

[pid 576471] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576468] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576466] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8617fa910, parent\_tid=0x7fa8617fa910, exit\_signal=0, stack=0x7fa860ffa000, stack\_size=0x7fff00, tls=0x7fa8617fa640} <unfinished ...>

[pid 576477] rseq(0x7fa860ff9fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576476] set\_robust\_list(0x7fa8597fa920, 24 <unfinished ...>

[pid 576475] <... mmap resumed>) = 0x7fa859ffc000

[pid 576474] madvise(0x7fa8617fb000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576473] mprotect(0x7fa85a7fe000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576472] <... exit resumed>) = ?

[pid 576471] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa85bfff910, parent\_tid=0x7fa85bfff910, exit\_signal=0, stack=0x7fa85b7ff000, stack\_size=0x7fff00, tls=0x7fa85bfff640} <unfinished ...>

[pid 576470] <... clone3 resumed> => {parent\_tid=[576477]}, 88) = 576477

[pid 576468] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576467] <... rt\_sigprocmask resumed>NULL, 8) = 0

strace: Process 576479 attached

strace: Process 576478 attached

[pid 576477] <... rseq resumed>) = 0

[pid 576476] <... set\_robust\_list resumed>) = 0

[pid 576475] mprotect(0x7fa859ffd000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576474] <... madvise resumed>) = 0

[pid 576473] <... mprotect resumed>) = 0

[pid 576472] +++ exited with 0 +++

[pid 576470] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576469] <... futex resumed>) = 0

[pid 576468] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa85b7fe910, parent\_tid=0x7fa85b7fe910, exit\_signal=0, stack=0x7fa85affe000, stack\_size=0x7fff00, tls=0x7fa85b7fe640} <unfinished ...>

[pid 576467] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0strace: Process 576480 attached

<unfinished ...>

[pid 576479] rseq(0x7fa85bffffe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576478] rseq(0x7fa8617fafe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576477] set\_robust\_list(0x7fa860ff9920, 24 <unfinished ...>

[pid 576476] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576475] <... mprotect resumed>) = 0

[pid 576474] exit(0 <unfinished ...>

[pid 576473] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576471] <... clone3 resumed> => {parent\_tid=[576479]}, 88) = 576479

[pid 576470] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576469] futex(0x7fa861ffb910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576474, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576467] <... mmap resumed>) = 0x7fa8597fb000

[pid 576466] <... clone3 resumed> => {parent\_tid=[576478]}, 88) = 576478

[pid 576480] rseq(0x7fa85b7fefe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576479] <... rseq resumed>) = 0

[pid 576478] <... rseq resumed>) = 0

[pid 576477] <... set\_robust\_list resumed>) = 0

[pid 576476] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576475] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576474] <... exit resumed>) = ?

[pid 576473] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576471] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576470] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576468] <... clone3 resumed> => {parent\_tid=[576480]}, 88) = 576480

[pid 576467] mprotect(0x7fa8597fc000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576466] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576480] <... rseq resumed>) = 0

[pid 576479] set\_robust\_list(0x7fa85bfff920, 24 <unfinished ...>

[pid 576478] set\_robust\_list(0x7fa8617fa920, 24 <unfinished ...>

[pid 576477] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576476] sched\_getaffinity(0, 4096, <unfinished ...>

[pid 576475] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576474] +++ exited with 0 +++

[pid 576473] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa85affd910, parent\_tid=0x7fa85affd910, exit\_signal=0, stack=0x7fa85a7fd000, stack\_size=0x7fff00, tls=0x7fa85affd640} <unfinished ...>

[pid 576471] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576470] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576469] <... futex resumed>) = 0

[pid 576468] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576467] <... mprotect resumed>) = 0

[pid 576466] <... rt\_sigprocmask resumed>NULL, 8) = 0

strace: Process 576481 attached

[pid 576480] set\_robust\_list(0x7fa85b7fe920, 24 <unfinished ...>

[pid 576479] <... set\_robust\_list resumed>) = 0

[pid 576478] <... set\_robust\_list resumed>) = 0

[pid 576477] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] <... sched\_getaffinity resumed>[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]) = 32

[pid 576475] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa85a7fc910, parent\_tid=0x7fa85a7fc910, exit\_signal=0, stack=0x7fa859ffc000, stack\_size=0x7fff00, tls=0x7fa85a7fc640} <unfinished ...>

[pid 576471] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576470] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa862ffd910, parent\_tid=0x7fa862ffd910, exit\_signal=0, stack=0x7fa8627fd000, stack\_size=0x7fff00, tls=0x7fa862ffd640} <unfinished ...>

[pid 576469] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576468] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576467] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576466] futex(0x7fa875125910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576469, NULL, FUTEX\_BITSET\_MATCH\_ANYstrace: Process 576483 attached

strace: Process 576482 attached

<unfinished ...>

[pid 576481] rseq(0x7fa85affdfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576480] <... set\_robust\_list resumed>) = 0

[pid 576479] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576478] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576477] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576476] mmap(0x7fa848000000, 67108864, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576473] <... clone3 resumed> => {parent\_tid=[576481]}, 88) = 576481

[pid 576471] <... mmap resumed>) = 0x7fa8587f9000

[pid 576469] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576468] futex(0x7fa8637fe910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576470, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576467] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576483] rseq(0x7fa862ffdfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576482] rseq(0x7fa85a7fcfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576481] <... rseq resumed>) = 0

[pid 576480] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576479] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576478] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576477] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] <... mmap resumed>) = 0x7fa848000000

[pid 576475] <... clone3 resumed> => {parent\_tid=[576482]}, 88) = 576482

[pid 576473] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576471] mprotect(0x7fa8587fa000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576470] <... clone3 resumed> => {parent\_tid=[576483]}, 88) = 576483

[pid 576469] madvise(0x7fa874925000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576467] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa859ffb910, parent\_tid=0x7fa859ffb910, exit\_signal=0, stack=0x7fa8597fb000, stack\_size=0x7fff00, tls=0x7fa859ffb640} <unfinished ...>

[pid 576483] <... rseq resumed>) = 0

[pid 576482] <... rseq resumed>) = 0

[pid 576481] set\_robust\_list(0x7fa85affd920, 24 <unfinished ...>

[pid 576480] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576479] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576478] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576477] madvise(0x7fa8607f9000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576476] mprotect(0x7fa848000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576475] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576473] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576471] <... mprotect resumed>) = 0

[pid 576470] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576469] <... madvise resumed>) = 0

strace: Process 576484 attached

[pid 576483] set\_robust\_list(0x7fa862ffd920, 24 <unfinished ...>

[pid 576482] set\_robust\_list(0x7fa85a7fc920, 24 <unfinished ...>

[pid 576481] <... set\_robust\_list resumed>) = 0

[pid 576480] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576479] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576478] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576477] <... madvise resumed>) = 0

[pid 576476] <... mprotect resumed>) = 0

[pid 576475] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576473] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576471] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576470] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576469] exit(0 <unfinished ...>

[pid 576484] rseq(0x7fa859ffbfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576483] <... set\_robust\_list resumed>) = 0

[pid 576482] <... set\_robust\_list resumed>) = 0

[pid 576481] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576480] <... mmap resumed>) = 0x7fa83c000000

[pid 576479] madvise(0x7fa85b7ff000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576478] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa861ffb910, parent\_tid=0x7fa861ffb910, exit\_signal=0, stack=0x7fa8617fb000, stack\_size=0x7fff00, tls=0x7fa861ffb640} <unfinished ...>

[pid 576477] exit(0 <unfinished ...>

[pid 576476] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576475] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576473] <... mmap resumed>) = 0x7fa8537ff000

[pid 576471] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576470] futex(0x7fa860ff9910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576477, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576469] <... exit resumed>) = ?

[pid 576467] <... clone3 resumed> => {parent\_tid=[576484]}, 88) = 576484

strace: Process 576485 attached

[pid 576484] <... rseq resumed>) = 0

[pid 576483] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576482] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576481] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576480] munmap(0x7fa840000000, 67108864 <unfinished ...>

[pid 576479] <... madvise resumed>) = 0

[pid 576477] <... exit resumed>) = ?

[pid 576476] <... mmap resumed>) = 0x7fa852ffe000

[pid 576475] <... mmap resumed>) = 0x7fa8527fd000

[pid 576473] mprotect(0x7fa853800000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576471] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa858ff9910, parent\_tid=0x7fa858ff9910, exit\_signal=0, stack=0x7fa8587f9000, stack\_size=0x7fff00, tls=0x7fa858ff9640} <unfinished ...>

[pid 576469] +++ exited with 0 +++

[pid 576467] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576466] <... futex resumed>) = 0

strace: Process 576486 attached

[pid 576485] rseq(0x7fa861ffbfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576484] set\_robust\_list(0x7fa859ffb920, 24 <unfinished ...>

[pid 576483] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576482] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576481] mmap(0x7fa840000000, 67108864, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576480] <... munmap resumed>) = 0

[pid 576479] exit(0 <unfinished ...>

[pid 576478] <... clone3 resumed> => {parent\_tid=[576485]}, 88) = 576485

[pid 576477] +++ exited with 0 +++

[pid 576476] mprotect(0x7fa852fff000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576475] mprotect(0x7fa8527fe000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576473] <... mprotect resumed>) = 0

[pid 576470] <... futex resumed>) = 0

[pid 576467] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] futex(0x7fa863fff910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576473, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576486] rseq(0x7fa858ff9fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576485] <... rseq resumed>) = 0

[pid 576484] <... set\_robust\_list resumed>) = 0

[pid 576483] mmap(0x7fa840000000, 67108864, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576482] mmap(0x7fa840000000, 67108864, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576481] <... mmap resumed>) = 0x7fa840000000

[pid 576480] mprotect(0x7fa83c000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576479] <... exit resumed>) = ?

[pid 576478] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576476] <... mprotect resumed>) = 0

[pid 576475] <... mprotect resumed>) = 0

[pid 576471] <... clone3 resumed> => {parent\_tid=[576486]}, 88) = 576486

[pid 576470] futex(0x7fa862ffd910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576483, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576467] futex(0x7fa874924910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576471, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576486] <... rseq resumed>) = 0

[pid 576485] set\_robust\_list(0x7fa861ffb920, 24 <unfinished ...>

[pid 576484] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576483] <... mmap resumed>) = 0x7fa838000000

[pid 576482] <... mmap resumed>) = 0x7fa834000000

[pid 576481] mprotect(0x7fa840000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576480] <... mprotect resumed>) = 0

[pid 576479] +++ exited with 0 +++

[pid 576478] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576475] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576473] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576471] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576486] set\_robust\_list(0x7fa858ff9920, 24 <unfinished ...>

[pid 576485] <... set\_robust\_list resumed>) = 0

[pid 576484] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576483] mprotect(0x7fa838000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576482] mprotect(0x7fa834000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576481] <... mprotect resumed>) = 0

[pid 576480] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576478] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576476] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576475] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576473] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576471] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576486] <... set\_robust\_list resumed>) = 0

[pid 576485] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576484] mmap(NULL, 134217728, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_NORESERVE, -1, 0 <unfinished ...>

[pid 576483] <... mprotect resumed>) = 0

[pid 576482] <... mprotect resumed>) = 0

[pid 576481] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576480] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576478] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576476] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8537fe910, parent\_tid=0x7fa8537fe910, exit\_signal=0, stack=0x7fa852ffe000, stack\_size=0x7fff00, tls=0x7fa8537fe640} <unfinished ...>

[pid 576475] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa852ffd910, parent\_tid=0x7fa852ffd910, exit\_signal=0, stack=0x7fa8527fd000, stack\_size=0x7fff00, tls=0x7fa852ffd640} <unfinished ...>

[pid 576473] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa853fff910, parent\_tid=0x7fa853fff910, exit\_signal=0, stack=0x7fa8537ff000, stack\_size=0x7fff00, tls=0x7fa853fff640} <unfinished ...>

[pid 576471] futex(0x7fa858ff9910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576486, NULL, FUTEX\_BITSET\_MATCH\_ANYstrace: Process 576487 attached

strace: Process 576488 attached

<unfinished ...>

[pid 576486] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576485] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576484] <... mmap resumed>) = 0x7fa82c000000

[pid 576483] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576482] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576481] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576480] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa860ff9910, parent\_tid=0x7fa860ff9910, exit\_signal=0, stack=0x7fa8607f9000, stack\_size=0x7fff00, tls=0x7fa860ff9640} <unfinished ...>

[pid 576478] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa875125910, parent\_tid=0x7fa875125910, exit\_signal=0, stack=0x7fa874925000, stack\_size=0x7fff00, tls=0x7fa875125640}strace: Process 576490 attached

strace: Process 576489 attached

strace: Process 576491 attached

<unfinished ...>

[pid 576488] rseq(0x7fa852ffdfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576487] rseq(0x7fa8537fefe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576486] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576485] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576484] munmap(0x7fa830000000, 67108864 <unfinished ...>

[pid 576483] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576482] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576481] madvise(0x7fa85a7fd000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576476] <... clone3 resumed> => {parent\_tid=[576487]}, 88) = 576487

[pid 576475] <... clone3 resumed> => {parent\_tid=[576488]}, 88) = 576488

[pid 576491] rseq(0x7fa875125fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576490] rseq(0x7fa860ff9fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576489] rseq(0x7fa853ffffe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576488] <... rseq resumed>) = 0

[pid 576487] <... rseq resumed>) = 0

[pid 576486] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576485] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576484] <... munmap resumed>) = 0

[pid 576483] madvise(0x7fa8627fd000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576482] madvise(0x7fa859ffc000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576481] <... madvise resumed>) = 0

[pid 576480] <... clone3 resumed> => {parent\_tid=[576490]}, 88) = 576490

[pid 576478] <... clone3 resumed> => {parent\_tid=[576491]}, 88) = 576491

[pid 576476] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576475] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576473] <... clone3 resumed> => {parent\_tid=[576489]}, 88) = 576489

[pid 576491] <... rseq resumed>) = 0

[pid 576490] <... rseq resumed>) = 0

[pid 576489] <... rseq resumed>) = 0

[pid 576488] set\_robust\_list(0x7fa852ffd920, 24 <unfinished ...>

[pid 576487] set\_robust\_list(0x7fa8537fe920, 24 <unfinished ...>

[pid 576486] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576485] madvise(0x7fa8617fb000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576484] mprotect(0x7fa82c000000, 135168, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576483] <... madvise resumed>) = 0

[pid 576482] <... madvise resumed>) = 0

[pid 576481] exit(0 <unfinished ...>

[pid 576480] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576478] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576476] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576475] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576473] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576491] set\_robust\_list(0x7fa875125920, 24 <unfinished ...>

[pid 576490] set\_robust\_list(0x7fa860ff9920, 24 <unfinished ...>

[pid 576489] set\_robust\_list(0x7fa853fff920, 24 <unfinished ...>

[pid 576488] <... set\_robust\_list resumed>) = 0

[pid 576487] <... set\_robust\_list resumed>) = 0

[pid 576486] madvise(0x7fa8587f9000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576485] <... madvise resumed>) = 0

[pid 576484] <... mprotect resumed>) = 0

[pid 576483] exit(0 <unfinished ...>

[pid 576482] exit(0 <unfinished ...>

[pid 576481] <... exit resumed>) = ?

[pid 576480] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576478] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576475] futex(0x7fa85a7fc910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576482, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576473] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576491] <... set\_robust\_list resumed>) = 0

[pid 576490] <... set\_robust\_list resumed>) = 0

[pid 576489] <... set\_robust\_list resumed>) = 0

[pid 576488] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576487] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576486] <... madvise resumed>) = 0

[pid 576485] exit(0 <unfinished ...>

[pid 576484] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576483] <... exit resumed>) = ?

[pid 576482] <... exit resumed>) = ?

[pid 576481] +++ exited with 0 +++

[pid 576480] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576478] futex(0x7fa861ffb910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576485, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576476] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576473] futex(0x7fa853fff910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576489, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576491] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576490] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576489] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576488] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576487] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576486] exit(0 <unfinished ...>

[pid 576485] <... exit resumed>) = ?

[pid 576484] <... mmap resumed>) = 0x7fa851ffc000

[pid 576483] +++ exited with 0 +++

[pid 576482] +++ exited with 0 +++

[pid 576480] <... mmap resumed>) = 0x7fa8517fb000

[pid 576476] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa85bfff910, parent\_tid=0x7fa85bfff910, exit\_signal=0, stack=0x7fa85b7ff000, stack\_size=0x7fff00, tls=0x7fa85bfff640} <unfinished ...>

[pid 576475] <... futex resumed>) = 0

[pid 576470] <... futex resumed>) = 0

strace: Process 576492 attached

[pid 576491] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576490] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576489] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576488] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576487] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576486] <... exit resumed>) = ?

[pid 576485] +++ exited with 0 +++

[pid 576484] mprotect(0x7fa851ffd000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576480] mprotect(0x7fa8517fc000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576478] <... futex resumed>) = 0

[pid 576475] futex(0x7fa852ffd910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576488, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576470] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576492] rseq(0x7fa85bffffe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576491] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576490] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576489] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576488] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576487] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576486] +++ exited with 0 +++

[pid 576484] <... mprotect resumed>) = 0

[pid 576480] <... mprotect resumed>) = 0

[pid 576478] futex(0x7fa875125910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576491, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576476] <... clone3 resumed> => {parent\_tid=[576492]}, 88) = 576492

[pid 576471] <... futex resumed>) = 0

[pid 576470] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576492] <... rseq resumed>) = 0

[pid 576491] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576490] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576489] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576488] madvise(0x7fa8527fd000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576487] madvise(0x7fa852ffe000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576484] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576480] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576476] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576471] munmap(0x7fa85a7fd000, 8392704 <unfinished ...>

[pid 576470] madvise(0x7fa862ffe000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576492] set\_robust\_list(0x7fa85bfff920, 24 <unfinished ...>

[pid 576491] madvise(0x7fa874925000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576490] madvise(0x7fa8607f9000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576489] madvise(0x7fa8537ff000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576488] <... madvise resumed>) = 0

[pid 576487] <... madvise resumed>) = 0

[pid 576484] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576480] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576476] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576471] <... munmap resumed>) = 0

[pid 576470] <... madvise resumed>) = 0

[pid 576492] <... set\_robust\_list resumed>) = 0

[pid 576491] <... madvise resumed>) = 0

[pid 576490] <... madvise resumed>) = 0

[pid 576489] <... madvise resumed>) = 0

[pid 576488] exit(0 <unfinished ...>

[pid 576487] exit(0 <unfinished ...>

[pid 576484] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8527fc910, parent\_tid=0x7fa8527fc910, exit\_signal=0, stack=0x7fa851ffc000, stack\_size=0x7fff00, tls=0x7fa8527fc640} <unfinished ...>

[pid 576480] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa851ffb910, parent\_tid=0x7fa851ffb910, exit\_signal=0, stack=0x7fa8517fb000, stack\_size=0x7fff00, tls=0x7fa851ffb640} <unfinished ...>

[pid 576476] futex(0x7fa8537fe910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576487, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576471] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576470] exit(0strace: Process 576494 attached

strace: Process 576493 attached

<unfinished ...>

[pid 576492] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576491] exit(0 <unfinished ...>

[pid 576490] exit(0 <unfinished ...>

[pid 576489] exit(0 <unfinished ...>

[pid 576488] <... exit resumed>) = ?

[pid 576487] <... exit resumed>) = ?

[pid 576471] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576470] <... exit resumed>) = ?

[pid 576494] rseq(0x7fa851ffbfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576493] rseq(0x7fa8527fcfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576492] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576491] <... exit resumed>) = ?

[pid 576490] <... exit resumed>) = ?

[pid 576489] <... exit resumed>) = ?

[pid 576488] +++ exited with 0 +++

[pid 576487] +++ exited with 0 +++

[pid 576484] <... clone3 resumed> => {parent\_tid=[576493]}, 88) = 576493

[pid 576480] <... clone3 resumed> => {parent\_tid=[576494]}, 88) = 576494

[pid 576476] <... futex resumed>) = 0

[pid 576475] <... futex resumed>) = 0

[pid 576471] madvise(0x7fa874124000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576494] <... rseq resumed>) = 0

[pid 576493] <... rseq resumed>) = 0

[pid 576492] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576491] +++ exited with 0 +++

[pid 576490] +++ exited with 0 +++

[pid 576489] +++ exited with 0 +++

[pid 576484] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576480] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576478] <... futex resumed>) = 0

[pid 576476] munmap(0x7fa859ffc000, 8392704 <unfinished ...>

[pid 576475] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576473] <... futex resumed>) = 0

[pid 576471] <... madvise resumed>) = 0

[pid 576470] +++ exited with 0 +++

[pid 576468] <... futex resumed>) = 0

[pid 576494] set\_robust\_list(0x7fa851ffb920, 24 <unfinished ...>

[pid 576493] set\_robust\_list(0x7fa8527fc920, 24 <unfinished ...>

[pid 576492] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576484] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576480] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576478] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576476] <... munmap resumed>) = 0

[pid 576473] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576471] exit(0 <unfinished ...>

[pid 576494] <... set\_robust\_list resumed>) = 0

[pid 576493] <... set\_robust\_list resumed>) = 0

[pid 576492] madvise(0x7fa85b7ff000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576480] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576476] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576473] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576468] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576494] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576493] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576492] <... madvise resumed>) = 0

[pid 576484] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576480] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576476] <... futex resumed>) = 1

[pid 576475] <... futex resumed>) = 0

[pid 576473] munmap(0x7fa8627fd000, 8392704 <unfinished ...>

[pid 576471] <... exit resumed>) = ?

[pid 576494] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576492] exit(0 <unfinished ...>

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576480] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576476] futex(0x7fa85bfff910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576492, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576475] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576473] <... munmap resumed>) = 0

[pid 576494] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576493] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576492] <... exit resumed>) = ?

[pid 576471] +++ exited with 0 +++

[pid 576467] <... futex resumed>) = 0

[pid 576494] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576493] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576492] +++ exited with 0 +++

[pid 576476] <... futex resumed>) = 0

[pid 576473] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576494] madvise(0x7fa8517fb000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576493] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576467] munmap(0x7fa8617fb000, 8392704 <unfinished ...>

[pid 576494] <... madvise resumed>) = 0

[pid 576493] madvise(0x7fa851ffc000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576478] <... futex resumed>) = 0

[pid 576473] <... futex resumed>) = 1

[pid 576494] exit(0 <unfinished ...>

[pid 576493] <... madvise resumed>) = 0

[pid 576478] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576467] <... munmap resumed>) = 0

[pid 576494] <... exit resumed>) = ?

[pid 576493] exit(0 <unfinished ...>

[pid 576473] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576494] +++ exited with 0 +++

[pid 576493] <... exit resumed>) = ?

[pid 576467] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576493] +++ exited with 0 +++

[pid 576473] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576468] <... futex resumed>) = 0

[pid 576467] <... futex resumed>) = 1

[pid 576473] madvise(0x7fa8637ff000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576468] munmap(0x7fa8587f9000, 8392704 <unfinished ...>

[pid 576467] futex(0x7fa8597fa910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576476, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576473] <... madvise resumed>) = 0

[pid 576468] <... munmap resumed>) = 0

[pid 576473] exit(0 <unfinished ...>

[pid 576468] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576473] <... exit resumed>) = ?

[pid 576484] <... futex resumed>) = 0

[pid 576468] <... futex resumed>) = 1

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576473] +++ exited with 0 +++

[pid 576466] <... futex resumed>) = 0

[pid 576484] <... futex resumed>) = 1

[pid 576480] <... futex resumed>) = 0

[pid 576468] futex(0x7fa8627fc910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576475, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576484] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576480] munmap(0x7fa852ffe000, 8392704 <unfinished ...>

[pid 576466] futex(0x7fa8617fa910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576478, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576484] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576480] <... munmap resumed>) = 0

[pid 576484] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8637fe910, parent\_tid=0x7fa8637fe910, exit\_signal=0, stack=0x7fa862ffe000, stack\_size=0x7fff00, tls=0x7fa8637fe640} <unfinished ...>

[pid 576480] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1strace: Process 576495 attached

<unfinished ...>

[pid 576484] <... clone3 resumed> => {parent\_tid=[576495]}, 88) = 576495

[pid 576480] <... futex resumed>) = 1

[pid 576475] <... futex resumed>) = 0

[pid 576495] rseq(0x7fa8637fefe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576484] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576480] munmap(0x7fa8537ff000, 8392704 <unfinished ...>

[pid 576495] <... rseq resumed>) = 0

[pid 576484] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576475] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576495] set\_robust\_list(0x7fa8637fe920, 24 <unfinished ...>

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576480] <... munmap resumed>) = 0

[pid 576495] <... set\_robust\_list resumed>) = 0

[pid 576480] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576495] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576480] <... futex resumed>) = 1

[pid 576495] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] <... futex resumed>) = 0

[pid 576495] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576480] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576495] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576476] munmap(0x7fa874124000, 8392704 <unfinished ...>

[pid 576495] madvise(0x7fa862ffe000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576480] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576495] <... madvise resumed>) = 0

[pid 576476] <... munmap resumed>) = 0

[pid 576495] exit(0 <unfinished ...>

[pid 576480] madvise(0x7fa85affe000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576495] <... exit resumed>) = ?

[pid 576476] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576495] +++ exited with 0 +++

[pid 576480] <... madvise resumed>) = 0

[pid 576480] exit(0 <unfinished ...>

[pid 576478] <... futex resumed>) = 0

[pid 576476] <... futex resumed>) = 1

[pid 576480] <... exit resumed>) = ?

[pid 576478] munmap(0x7fa8637ff000, 8392704 <unfinished ...>

[pid 576480] +++ exited with 0 +++

[pid 576476] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576478] <... munmap resumed>) = 0

[pid 576476] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576478] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576476] madvise(0x7fa858ffa000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576478] <... futex resumed>) = 1

[pid 576475] <... futex resumed>) = 0

[pid 576478] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576476] <... madvise resumed>) = 0

[pid 576478] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576475] munmap(0x7fa8607f9000, 8392704 <unfinished ...>

[pid 576478] madvise(0x7fa860ffa000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576476] exit(0 <unfinished ...>

[pid 576478] <... madvise resumed>) = 0

[pid 576475] <... munmap resumed>) = 0

[pid 576478] exit(0 <unfinished ...>

[pid 576476] <... exit resumed>) = ?

[pid 576478] <... exit resumed>) = ?

[pid 576475] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576478] +++ exited with 0 +++

[pid 576476] +++ exited with 0 +++

[pid 576467] <... futex resumed>) = 0

[pid 576466] <... futex resumed>) = 0

[pid 576484] <... futex resumed>) = 0

[pid 576475] <... futex resumed>) = 1

[pid 576467] munmap(0x7fa8517fb000, 8392704 <unfinished ...>

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576475] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576466] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576475] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576467] <... munmap resumed>) = 0

[pid 576475] madvise(0x7fa861ffc000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576467] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576475] <... madvise resumed>) = 0

[pid 576484] <... futex resumed>) = 0

[pid 576467] <... futex resumed>) = 1

[pid 576484] munmap(0x7fa85b7ff000, 8392704 <unfinished ...>

[pid 576475] exit(0 <unfinished ...>

[pid 576484] <... munmap resumed>) = 0

[pid 576467] futex(0x7fa859ffb910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576484, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576475] <... exit resumed>) = ?

[pid 576484] <... futex resumed>) = 1

[pid 576466] <... futex resumed>) = 0

[pid 576484] munmap(0x7fa874925000, 8392704 <unfinished ...>

[pid 576475] +++ exited with 0 +++

[pid 576468] <... futex resumed>) = 0

[pid 576484] <... munmap resumed>) = 0

[pid 576468] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576466] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576484] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576468] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576484] <... futex resumed>) = 0

[pid 576466] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576484] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576468] munmap(0x7fa8527fd000, 8392704 <unfinished ...>

[pid 576484] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576484] madvise(0x7fa8597fb000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576468] <... munmap resumed>) = 0

[pid 576484] <... madvise resumed>) = 0

[pid 576468] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576484] exit(0 <unfinished ...>

[pid 576468] <... futex resumed>) = 1

[pid 576466] <... futex resumed>) = 0

[pid 576484] <... exit resumed>) = ?

[pid 576468] munmap(0x7fa858ffa000, 8392704 <unfinished ...>

[pid 576466] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576484] +++ exited with 0 +++

[pid 576468] <... munmap resumed>) = 0

[pid 576467] <... futex resumed>) = 0

[pid 576468] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576467] munmap(0x7fa851ffc000, 8392704 <unfinished ...>

[pid 576468] <... futex resumed>) = 1

[pid 576466] <... futex resumed>) = 0

[pid 576468] futex(0x7ffdce8c8640, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576467] <... munmap resumed>) = 0

[pid 576458] <... futex resumed>) = 0

[pid 576468] <... futex resumed>) = 1

[pid 576466] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576458] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576468] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576467] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576458] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576468] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576458] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa859ffb910, parent\_tid=0x7fa859ffb910, exit\_signal=0, stack=0x7fa8597fb000, stack\_size=0x7fff00, tls=0x7fa859ffb640} <unfinished ...>

[pid 576468] madvise(0x7fa875126000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576467] <... futex resumed>) = 0

strace: Process 576496 attached

[pid 576468] <... madvise resumed>) = 0

[pid 576467] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576466] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576458] <... clone3 resumed> => {parent\_tid=[576496]}, 88) = 576496

[pid 576496] rseq(0x7fa859ffbfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576468] exit(0 <unfinished ...>

[pid 576467] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576458] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576496] <... rseq resumed>) = 0

[pid 576468] <... exit resumed>) = ?

[pid 576466] <... futex resumed>) = 0

[pid 576458] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576496] set\_robust\_list(0x7fa859ffb920, 24 <unfinished ...>

[pid 576468] +++ exited with 0 +++

[pid 576467] madvise(0x7fa875927000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576458] futex(0x7fa876928910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576466, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576496] <... set\_robust\_list resumed>) = 0

[pid 576466] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576496] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576467] <... madvise resumed>) = 0

[pid 576496] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576466] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576496] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576467] exit(0 <unfinished ...>

[pid 576496] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576466] madvise(0x7fa876128000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576496] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8617fa910, parent\_tid=0x7fa8617fa910, exit\_signal=0, stack=0x7fa860ffa000, stack\_size=0x7fff00, tls=0x7fa8617fa640} <unfinished ...>

[pid 576467] <... exit resumed>) = ?

[pid 576466] <... madvise resumed>) = 0

strace: Process 576497 attached

[pid 576467] +++ exited with 0 +++

[pid 576466] exit(0 <unfinished ...>

[pid 576497] rseq(0x7fa8617fafe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576496] <... clone3 resumed> => {parent\_tid=[576497]}, 88) = 576497

[pid 576497] <... rseq resumed>) = 0

[pid 576466] <... exit resumed>) = ?

[pid 576497] set\_robust\_list(0x7fa8617fa920, 24 <unfinished ...>

[pid 576496] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576458] <... futex resumed>) = 0

[pid 576497] <... set\_robust\_list resumed>) = 0

[pid 576466] +++ exited with 0 +++

[pid 576458] munmap(0x7fa862ffe000, 8392704 <unfinished ...>

[pid 576497] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576496] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576458] <... munmap resumed>) = 0

[pid 576497] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576458] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576496] futex(0x7fa876f11108, FUTEX\_WAIT\_PRIVATE, 2, NULL <unfinished ...>

[pid 576458] <... futex resumed>) = 0

[pid 576497] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576458] futex(0x7fa859ffb910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576496, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576496] <... futex resumed>) = -1 EAGAIN (Resource temporarily unavailable)

[pid 576497] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576496] futex(0x7fa876f11108, FUTEX\_WAKE\_PRIVATE, 1 <unfinished ...>

[pid 576497] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa876127910, parent\_tid=0x7fa876127910, exit\_signal=0, stack=0x7fa875927000, stack\_size=0x7fff00, tls=0x7fa876127640} <unfinished ...>

[pid 576496] <... futex resumed>) = 0

strace: Process 576498 attached

[pid 576496] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576498] rseq(0x7fa876127fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576497] <... clone3 resumed> => {parent\_tid=[576498]}, 88) = 576498

[pid 576498] <... rseq resumed>) = 0

[pid 576496] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576498] set\_robust\_list(0x7fa876127920, 24 <unfinished ...>

[pid 576497] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576498] <... set\_robust\_list resumed>) = 0

[pid 576496] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa875926910, parent\_tid=0x7fa875926910, exit\_signal=0, stack=0x7fa875126000, stack\_size=0x7fff00, tls=0x7fa875926640} <unfinished ...>

[pid 576498] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576497] <... rt\_sigprocmask resumed>NULL, 8) = 0

strace: Process 576499 attached

[pid 576498] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576497] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576499] rseq(0x7fa875926fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576498] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576497] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576499] <... rseq resumed>) = 0

[pid 576498] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576496] <... clone3 resumed> => {parent\_tid=[576499]}, 88) = 576499

[pid 576499] set\_robust\_list(0x7fa875926920, 24 <unfinished ...>

[pid 576498] madvise(0x7fa875927000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576497] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa876928910, parent\_tid=0x7fa876928910, exit\_signal=0, stack=0x7fa876128000, stack\_size=0x7fff00, tls=0x7fa876928640} <unfinished ...>

[pid 576499] <... set\_robust\_list resumed>) = 0

[pid 576498] <... madvise resumed>) = 0

[pid 576496] rt\_sigprocmask(SIG\_SETMASK, [], strace: Process 576500 attached

<unfinished ...>

[pid 576499] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576498] exit(0 <unfinished ...>

[pid 576496] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576500] rseq(0x7fa876928fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576499] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576498] <... exit resumed>) = ?

[pid 576497] <... clone3 resumed> => {parent\_tid=[576500]}, 88) = 576500

[pid 576500] <... rseq resumed>) = 0

[pid 576499] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576498] +++ exited with 0 +++

[pid 576496] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576500] set\_robust\_list(0x7fa876928920, 24 <unfinished ...>

[pid 576499] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576497] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576500] <... set\_robust\_list resumed>) = 0

[pid 576499] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8627fc910, parent\_tid=0x7fa8627fc910, exit\_signal=0, stack=0x7fa861ffc000, stack\_size=0x7fff00, tls=0x7fa8627fc640} <unfinished ...>

[pid 576496] <... rt\_sigprocmask resumed>[], 8) = 0

strace: Process 576501 attached

[pid 576500] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576497] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576496] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa85b7fe910, parent\_tid=0x7fa85b7fe910, exit\_signal=0, stack=0x7fa85affe000, stack\_size=0x7fff00, tls=0x7fa85b7fe640} <unfinished ...>

[pid 576501] rseq(0x7fa8627fcfe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576500] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576499] <... clone3 resumed> => {parent\_tid=[576501]}, 88) = 576501

[pid 576497] futex(0x7fa876928910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576500, NULL, FUTEX\_BITSET\_MATCH\_ANYstrace: Process 576502 attached

<unfinished ...>

[pid 576501] <... rseq resumed>) = 0

[pid 576500] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576499] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576502] rseq(0x7fa85b7fefe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576501] set\_robust\_list(0x7fa8627fc920, 24 <unfinished ...>

[pid 576500] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576499] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576502] <... rseq resumed>) = 0

[pid 576501] <... set\_robust\_list resumed>) = 0

[pid 576500] madvise(0x7fa876128000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576496] <... clone3 resumed> => {parent\_tid=[576502]}, 88) = 576502

[pid 576502] set\_robust\_list(0x7fa85b7fe920, 24 <unfinished ...>

[pid 576501] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576500] <... madvise resumed>) = 0

[pid 576499] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576502] <... set\_robust\_list resumed>) = 0

[pid 576501] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576500] exit(0 <unfinished ...>

[pid 576496] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576502] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576501] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576500] <... exit resumed>) = ?

[pid 576499] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576502] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576501] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576500] +++ exited with 0 +++

[pid 576497] <... futex resumed>) = 0

[pid 576496] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576502] mmap(NULL, 8392704, PROT\_NONE, MAP\_PRIVATE|MAP\_ANONYMOUS|MAP\_STACK, -1, 0 <unfinished ...>

[pid 576501] madvise(0x7fa861ffc000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576499] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa876127910, parent\_tid=0x7fa876127910, exit\_signal=0, stack=0x7fa875927000, stack\_size=0x7fff00, tls=0x7fa876127640} <unfinished ...>

[pid 576497] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576502] <... mmap resumed>) = 0x7fa874925000

[pid 576501] <... madvise resumed>) = 0

[pid 576496] futex(0x7fa8617fa910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576497, NULL, FUTEX\_BITSET\_MATCH\_ANYstrace: Process 576503 attached

<unfinished ...>

[pid 576502] mprotect(0x7fa874926000, 8388608, PROT\_READ|PROT\_WRITE <unfinished ...>

[pid 576501] exit(0 <unfinished ...>

[pid 576499] <... clone3 resumed> => {parent\_tid=[576503]}, 88) = 576503

[pid 576497] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576503] rseq(0x7fa876127fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576502] <... mprotect resumed>) = 0

[pid 576501] <... exit resumed>) = ?

[pid 576499] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576503] <... rseq resumed>) = 0

[pid 576502] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576501] +++ exited with 0 +++

[pid 576497] madvise(0x7fa860ffa000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576503] set\_robust\_list(0x7fa876127920, 24 <unfinished ...>

[pid 576502] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576499] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576503] <... set\_robust\_list resumed>) = 0

[pid 576502] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa875125910, parent\_tid=0x7fa875125910, exit\_signal=0, stack=0x7fa874925000, stack\_size=0x7fff00, tls=0x7fa875125640} <unfinished ...>

[pid 576497] <... madvise resumed>) = 0

[pid 576503] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576499] futex(0x7fa876127910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576503, NULL, FUTEX\_BITSET\_MATCH\_ANYstrace: Process 576504 attached

<unfinished ...>

[pid 576503] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576497] exit(0 <unfinished ...>

[pid 576504] rseq(0x7fa875125fe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576503] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576502] <... clone3 resumed> => {parent\_tid=[576504]}, 88) = 576504

[pid 576504] <... rseq resumed>) = 0

[pid 576503] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576497] <... exit resumed>) = ?

[pid 576504] set\_robust\_list(0x7fa875125920, 24 <unfinished ...>

[pid 576503] madvise(0x7fa875927000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576502] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576504] <... set\_robust\_list resumed>) = 0

[pid 576503] <... madvise resumed>) = 0

[pid 576497] +++ exited with 0 +++

[pid 576496] <... futex resumed>) = 0

[pid 576504] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576503] exit(0 <unfinished ...>

[pid 576502] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576504] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576503] <... exit resumed>) = ?

[pid 576496] futex(0x7fa875926910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576499, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576504] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576503] +++ exited with 0 +++

[pid 576502] rt\_sigprocmask(SIG\_BLOCK, ~[], <unfinished ...>

[pid 576499] <... futex resumed>) = 0

[pid 576504] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576502] <... rt\_sigprocmask resumed>[], 8) = 0

[pid 576504] madvise(0x7fa874925000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576499] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576504] <... madvise resumed>) = 0

[pid 576502] clone3({flags=CLONE\_VM|CLONE\_FS|CLONE\_FILES|CLONE\_SIGHAND|CLONE\_THREAD|CLONE\_SYSVSEM|CLONE\_SETTLS|CLONE\_PARENT\_SETTID|CLONE\_CHILD\_CLEARTID, child\_tid=0x7fa8617fa910, parent\_tid=0x7fa8617fa910, exit\_signal=0, stack=0x7fa860ffa000, stack\_size=0x7fff00, tls=0x7fa8617fa640} <unfinished ...>

[pid 576504] exit(0 <unfinished ...>

[pid 576499] <... rt\_sigprocmask resumed>NULL, 8) = 0

strace: Process 576505 attached

[pid 576504] <... exit resumed>) = ?

[pid 576499] madvise(0x7fa875126000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576505] rseq(0x7fa8617fafe0, 0x20, 0, 0x53053053 <unfinished ...>

[pid 576504] +++ exited with 0 +++

[pid 576502] <... clone3 resumed> => {parent\_tid=[576505]}, 88) = 576505

[pid 576505] <... rseq resumed>) = 0

[pid 576499] <... madvise resumed>) = 0

[pid 576505] set\_robust\_list(0x7fa8617fa920, 24 <unfinished ...>

[pid 576502] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576505] <... set\_robust\_list resumed>) = 0

[pid 576499] exit(0 <unfinished ...>

[pid 576505] rt\_sigprocmask(SIG\_SETMASK, [], <unfinished ...>

[pid 576502] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576505] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576499] <... exit resumed>) = ?

[pid 576505] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], <unfinished ...>

[pid 576502] futex(0x7fa8617fa910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576505, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576505] <... rt\_sigprocmask resumed>NULL, 8) = 0

[pid 576499] +++ exited with 0 +++

[pid 576496] <... futex resumed>) = 0

[pid 576505] madvise(0x7fa860ffa000, 8368128, MADV\_DONTNEED <unfinished ...>

[pid 576496] munmap(0x7fa876128000, 8392704 <unfinished ...>

[pid 576505] <... madvise resumed>) = 0

[pid 576496] <... munmap resumed>) = 0

[pid 576505] exit(0 <unfinished ...>

[pid 576496] futex(0x7fa85b7fe910, FUTEX\_WAIT\_BITSET|FUTEX\_CLOCK\_REALTIME, 576502, NULL, FUTEX\_BITSET\_MATCH\_ANY <unfinished ...>

[pid 576505] <... exit resumed>) = ?

[pid 576505] +++ exited with 0 +++

[pid 576502] <... futex resumed>) = 0

[pid 576502] munmap(0x7fa861ffc000, 8392704) = 0

[pid 576502] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], NULL, 8) = 0

[pid 576502] madvise(0x7fa85affe000, 8368128, MADV\_DONTNEED) = 0

[pid 576502] exit(0) = ?

[pid 576502] +++ exited with 0 +++

[pid 576496] <... futex resumed>) = 0

[pid 576496] munmap(0x7fa875927000, 8392704) = 0

[pid 576496] rt\_sigprocmask(SIG\_BLOCK, ~[RT\_1], NULL, 8) = 0

[pid 576496] madvise(0x7fa8597fb000, 8368128, MADV\_DONTNEED) = 0

[pid 576496] exit(0) = ?

[pid 576458] <... futex resumed>) = 0

[pid 576496] +++ exited with 0 +++

munmap(0x7fa874925000, 8392704) = 0

write(1, "Determinant: 331708602\n", 23Determinant: 331708602

) = 23

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

exit\_group(0) = ?

+++ exited with 0 +++

**Вывод**

Было интересно разобраться с потоками. Поняла, что важно внимательно следить за ними, во избежание непредвиденных ситуаций. Самым сложным было держать в голове для какого процесса я сейчас пишу код и как он может повлиять на другие процессы, которые будут этот код выполнять.