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Факультет информационных технологий и прикладной математики

Кафедра вычислительной математики и программирования

**Лабораторная работ №3 по курсу**

**«Операционные системы»**

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Дата: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Москва, 2019.

**Содержание**

1. Постановка задачи
2. Общие сведения о программе
3. Общий метод и алгоритм решения
4. Основные файлы программы
5. Демонстрация работы программы
6. Вывод

**Постановка задачи**.

Составить программу на языке СИ, обрабатывающие данные в многопоточном режиме. При создании необходимо предусмотреть ключи, которые позволяли бы задать максимальное количество потоков, используемое программой. При возможности необходимо использовать максимальное количество возможных потоков.

Вариант 15 наложить K раз медианный фильтр на матрицу, состоящую из целых чисел, размер окна задается.

**Общие сведения о программе**

Программа компилируется из одного файла main.c. В данном файле используются заголовочные файлы stdio.h, stdlib.h, pthread.h. В программе используются следующие системные вызовы для работы с потоками из заголовочного файла pthread.h:

1. **pthread\_create –** для создания нового потока
2. **pthread\_join –** заставляет вызывающий поток ждать завершения указанного потока, используется для синхронизации потоков.

Перед написания основной программы, было определено максимальное количество потоков в одном процессе, оно составило 2048.

Программа считывает данные с stdin, все данные подаются в виде целых чисел. В начале числа , количество раз применения фильтра, высота окна, ширина окна, количество строк, количество столбцов матрицы. Затем подаются целых чисел, элементы матрицы.

**Общий метод и алгоритм решения**.

Решение поставленной задачи делится на две части. Первая часть состоит из реализации алгоритма для одного элемента матрицы. Вторая часть состоит из использования алгоритма из первой части в многопоточном режиме.

Для того чтобы найти медианный фильтр матрицы . Необходимо применить к каждому элементу матрицы , некоторую функцию. Функция заключается в том, что по заданному окну (задается ширина и высота, в виде двух целых положительных чисел), центр которого прикладывается к текущему элементу, вычисляется медианный элемент, из множества всех элементов, попавших в заданное окно. Если не все элементы попадают в окно целиком, то необходимо за недостающие элементы взять среднее арифметическое элементов, попавших в окно. При нахождении медианного элемента окна использовался алгоритм быстрой сортировки.

После написания алгоритма для элемента , необходимо для обработки каждого элемента создавать отдельный поток. В случае, если количество потоков, которое можно создать одновременно меньше количества обрабатываемых элементов матрицы, необходимо ждать завершение потоков и создавать из снова с соответствующими элементами. Для синхронизации потоков используется вызов pthread\_join.

**Основные файлы программы**.

**Файл main.c**

*/\**

*\* Median filter for integer matrix*

*\* Author: Sin Denis*

*\*/*

#include <pthread.h>

#include <stdio.h>

#include <stdlib.h>

#define MAX\_THREAD\_NUM 2047

void swap(int \**lhs*, int \**rhs*) {

    int tmp = \*lhs;

    \*lhs = \*rhs;

    \*rhs = tmp;

}

int partition(int \**arr*, int *l*, int *r*) {

    int p = arr[(l + r) / 2];

    int i = l;

    int j = r;

    while (i <= j) {

        while (arr[i] < p)

            ++i;

        while (arr[j] > p)

            --j;

        if (i >= j)

            break;

        swap(&arr[i++], &arr[j--]);

    }

    return j;

}

void quick\_sort(int \**arr*, int *l*, int *r*) {

    if (l >= r)

        return ;

    int j = partition(arr, l, r);

    quick\_sort(arr, l, j);

    quick\_sort(arr, j + 1, r);

}

int max(int *a*, int *b*) {

    return (a > b) ? a : b;

}

int min(int *a*, int *b*) {

    return (a < b) ? a : b;

}

typedef struct {

    int win\_h;

    int win\_w;

    int mrx\_h;

    int mrx\_w;

    int \*\*i\_mrx;

    int \*\*o\_mrx;

} io\_mrx\_t;

typedef struct {

    io\_mrx\_t\* io\_mrx;

    int i;

    int j;

} thr\_data\_t;

int\*\* mrx\_create(int *h*, int *w*) {

    int \*\*arr = (int\*\*)malloc(sizeof(int\*) \* h);

    for (int i = 0; i < h; ++i) {

        arr[i]  = (int \*)malloc(sizeof(int) \* w);

    }

    return arr;

}

void mrx\_destroy(int \*\**arr*, int *h*) {

    for (int i = 0; i < h; ++i) {

        free(arr[i]);

        arr[i] = NULL;

    }

    free(arr);

}

void mrx\_input(int \*\**arr*, int *h*, int *w*) {

    for (int i = 0; i < h; ++i)

        for (int j = 0; j < w; ++j) {

            scanf("%d", &arr[i][j]);

        }

}

io\_mrx\_t\* io\_mrx\_create(void) {

    io\_mrx\_t\* io\_mrx = (io\_mrx\_t\*)malloc(sizeof(io\_mrx\_t));

    scanf("%d%d%d%d", &io\_mrx->win\_h,

        &io\_mrx->win\_w, &io\_mrx->mrx\_h, &io\_mrx->mrx\_w);

    io\_mrx->i\_mrx = mrx\_create(io\_mrx->mrx\_h, io\_mrx->mrx\_w);

    io\_mrx->o\_mrx = mrx\_create(io\_mrx->mrx\_h, io\_mrx->mrx\_w);

    mrx\_input(io\_mrx->i\_mrx, io\_mrx->mrx\_h, io\_mrx->mrx\_w);

    return io\_mrx;

}

void io\_mrx\_destroy(io\_mrx\_t\* *io\_mrx*) {

    mrx\_destroy(io\_mrx->i\_mrx, io\_mrx->mrx\_h);

    mrx\_destroy(io\_mrx->o\_mrx, io\_mrx->mrx\_h);

    io\_mrx->i\_mrx = NULL;

    io\_mrx->o\_mrx = NULL;

    free(io\_mrx);

}

void io\_mrx\_print(io\_mrx\_t\* *io\_mrx*) {

    printf("window width: %d\nwindow height: %d\nwidth: %d\nheight: %d\n",

    io\_mrx->win\_w, io\_mrx->win\_h, io\_mrx->mrx\_w, io\_mrx->mrx\_h);

    printf("\nResult matrix:\n");

    for (int i = 0; i < io\_mrx->mrx\_h; ++i) {

        for (int j = 0; j < io\_mrx->mrx\_w; ++j) {

            printf("%5d", io\_mrx->o\_mrx[i][j]);

            printf(j == io\_mrx->mrx\_w - 1 ? "\n" : " ");

        }

    }

}

thr\_data\_t\* thr\_data\_arr\_create(io\_mrx\_t\* *io\_mrx*) {

    int n = io\_mrx->mrx\_h \* io\_mrx->mrx\_w;

    thr\_data\_t\* arr = (thr\_data\_t\*)malloc(sizeof(thr\_data\_t) \* n);

    for (int i = 0; i < n; ++i) {

        arr[i].io\_mrx = io\_mrx;

        arr[i].i = i / io\_mrx->mrx\_h;

        arr[i].j = i % io\_mrx->mrx\_w;

    }

    return arr;

}

void thr\_data\_arr\_destroy(thr\_data\_t\* *arr*) {

    free(arr);

}

int arithm\_mean(int \**arr*, int *size*) {

    int res = 0;

    for (int i = 0; i < size; ++i)

        res += arr[i];

    return res / size;

}

int median\_val(int \**arr*, int *size*) {

    quick\_sort(arr, 0, size - 1);

    return (size % 2) ? (arr[size / 2 - 1] + arr[size / 2]) / 2 : arr[size / 2];

}

void item\_filter(thr\_data\_t\* *item*) {

    int i = max(0, item->i - item->io\_mrx->win\_w / 2);

    int j = max(0, item->j - item->io\_mrx->win\_h / 2);

    int end\_i = min(item->io\_mrx->mrx\_w,

        item->io\_mrx->win\_w - item->io\_mrx->win\_w / 2 + item->i);

    int end\_j = min(item->io\_mrx->mrx\_h,

        item->io\_mrx->win\_h - item->io\_mrx->win\_h / 2 + item->j);

    int count = 0;

    int size = item->io\_mrx->mrx\_h \* item->io\_mrx->mrx\_w;

    int win\_arr[size];

    for (; i < end\_i; ++i)

        for (; j < end\_j; ++j)

            win\_arr[count++] = item->io\_mrx->i\_mrx[i][j];

    if (count != size) {

        int ar\_mean = arithm\_mean(win\_arr, count);

        for (int i = count; i < size; ++i)

            win\_arr[i] = ar\_mean;

    }

    item->io\_mrx->o\_mrx[item->i][item->j] = median\_val(win\_arr, size);

}

void\* routine(void \**arg*) {

    thr\_data\_t\* thr\_data = (thr\_data\_t \*)arg;

    item\_filter(thr\_data);

    return NULL;

}

int main(int *argc*, char \*\**argv*)

{

    if (argc != 2) {

        printf("Using ./filter num\_threads\n");

        return 0;

    }

    int n = atoi(argv[1]);

    int k;

    scanf("%d", &k);

    io\_mrx\_t\* io\_mrx = io\_mrx\_create();

    thr\_data\_t\* thr\_data\_arr = thr\_data\_arr\_create(io\_mrx);

    int size = io\_mrx->mrx\_h \* io\_mrx->mrx\_w;

    n = min(max(n, 1), MAX\_THREAD\_NUM);

    pthread\_t\* threads = (pthread\_t\*)malloc(sizeof(pthread\_t) \* n);

    while (k > 0) {

        int i = 0;

        while (i < size) {

            int t = min(size - i, n);

            for (int j = 0; j < t; ++j)

                pthread\_create(&threads[j], NULL, routine, &thr\_data\_arr[i++]);

            for (int j = 0; j < t; ++j)

                pthread\_join(threads[j], NULL);

        }

        for (int l = 0; l < io\_mrx->mrx\_h; ++l)

            for (int j = 0; j < io\_mrx->mrx\_w; ++j)

                io\_mrx->i\_mrx[l][j] = io\_mrx->o\_mrx[l][j];

        --k;

    }

    io\_mrx\_print(io\_mrx);

    free(threads);

    thr\_data\_arr\_destroy(thr\_data\_arr);

    io\_mrx\_destroy(io\_mrx);

}

**Демонстрация работы программы.**

[2:41:56] sindenis:lab03 git:(master\*) $ cat tests/test1

2

3 3 5 5

1 2 3 4 5

6 7 8 9 10

11 12 13 14 15

16 17 18 19 20

21 22 23 24 25% [2:42:09] sindenis:lab03 git:(master\*) $ ./filter 5 < tests/test1

Number of threads: 5

Number of filter: 2

window width: 3

window height: 3

width: 5

height: 5

Result matrix:

1 2 3 3 4

1 2 3 3 4

1 2 3 3 4

6 7 8 8 9

11 12 13 13 14

[2:42:17] sindenis:lab03 git:(master\*) $ cat tests/test2

3

1 1 4 4

1 0 9 -2

8 8 2 -1

-9 3 2 3

1 2 8 8%

[2:42:57] sindenis:lab03 git:(master\*) $ ./filter 50 < tests/test2

Number of threads: 50

Number of filter: 3

window width: 1

window height: 1

width: 4

height: 4

Result matrix:

1 0 9 -2

8 8 2 -1

-9 3 2 3

1 2 8 8

[2:45:48] sindenis:lab03 git:(master\*) $ cat tests/test3

1

1 0 3 3

1 2 3

4 5 6

7 8 9% [2:45:53] sindenis:lab03 git:(master\*) $ ./filter 100 < tests/test3

Window is not valid

[2:46:00] sindenis:lab03 git:(master\*) $ cat tests/test4

1

4 5 10 10

4873 -1205 -6055 -5635 7350 -8653 3434 2552 -7716 1399

-3771 8173 -7052 1619 6013 5045 -2611 -6381 -7389 -8063

-1274 -7913 6358 -4939 1396 6097 -4987 1182 -1116 -801

-6085 -8686 8223 -1050 -472 -1404 -3635 -8106 -3159 8682

2761 1463 -2333 -98 -1510 -6675 2443 2723 7091 436

-2562 -1148 -2498 -4861 -9505 4354 -8973 -9033 -7002 -8526

8612 -8705 5310 -6582 -878 -7930 2575 -6925 6134 -5553

2605 5486 -6374 -1303 -1889 9805 6950 7561 1448 -4073

6429 -4084 2113 3614 5509 4670 -4803 6060 -1575 -6771

9892 1522 -7277 1296 -7246 1945 8449 373 -8396 -6332

[2:46:05] sindenis:lab03 git:(master\*) $ ./filter 1000 < tests/test4

Number of threads: 1000

Number of filter: 1

window width: 5

window height: 4

width: 10

height: 10

Result matrix:

1834 -795 -2005 -1386 -3248 -876 1170 -2595 -82 -1255

1834 -795 -2005 -1386 -3248 -876 1170 -2595 -82 -1255

1834 -795 -2005 -1386 -3248 -876 1170 -2595 -82 -1255

2201 -883 -257 2188 1406 2516 516 -2834 -6111 -7277

-4593 -943 -1942 -1274 2228 -608 922 294 -1430 -245

-7385 -2182 -1899 -496 1324 -1640 -3404 -4076 -1554 -861

2112 630 448 -619 -2654 -1460 -754 1395 3173 3416

-1855 -2069 -2767 -4503 -3127 -4746 -5789 -5163 -8383 -8187

-46 1739 -341 -2713 -2520 -3203 -3289 -1536 -942 -2114

4045 572 103 -1020 59 3390 5606 6441 2971 1645

**Вывод**

Программные потоки очень удобно использовать для многозадачности и для большей скорости работы некоторых алгоритмов. В отличии от процессов они быстрее создаются и контекст выполнения у потоков переключается быстрее чем у процессов. Большое отличие потоков от процессов состоит в том, что потоки делят между собой одно адресное пространство. В данной лабораторной работе была продемонстрирована обработка матрицы по определенному алгоритму в многопоточном режиме. И если посмотреть на время при работе программы при разном количестве потоков, то оно действительно различается. Обычно параллельные алгоритмы хорошо обрабатывать в многопоточном режиме на графических процессорах, так как на них очень много ядер и на них действительно можно быстро выполнять многие задачи, например обучать нейросети.

PID/THRD SYSCALL(args) = return

9725/0x55d5cb: thread\_selfid(0x0, 0x0, 0x0) = 5625291 0

9725/0x55d5cb: open(".\0", 0x0, 0x1) = 3 0

9725/0x55d5cb: fstat64(0x3, 0x7FFEED57ADC0, 0x0) = 0 0

9725/0x55d5cb: fcntl(0x3, 0x32, 0x7FFEED57B490) = 0 0

9725/0x55d5cb: close(0x3) = 0 0

9725/0x55d5cb: stat64("/Users/sindenis/CSinDenis/university/sem3/OperatingSystems/lab03\0", 0x7FFEED57AD30, 0x0) = 0 0

9725/0x55d5cb: \_\_mac\_syscall(0x10C527C5F, 0x5A, 0x7FFEED57AF90) = 0 0

9725/0x55d5cb: shared\_region\_check\_np(0x7FFEED57ADF8, 0x0, 0x0) = 0 0

9725/0x55d5cb: stat64("/private/var/db/dyld/dyld\_shared\_cache\_x86\_64h\0", 0x7FFEED57AD40, 0x0) = 0 0

9725/0x55d5cb: csrctl(0x0, 0x7FFEED57AB0C, 0x4) = -1 Err#1

9725/0x55d5cb: stat64("/Users/sindenis/CSinDenis/university/sem3/OperatingSystems/lab03/./filter\0", 0x7FFEED57B490, 0x0) = 0 0

9725/0x55d5cb: getpid(0x0, 0x0, 0x0) = 9725 0

9725/0x55d5cb: proc\_info(0x2, 0x25FD, 0x16) = 1272 0

9725/0x55d5cb: stat64("/usr/lib/libSystem.B.dylib\0", 0x7FFEED57A190, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libcache.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libcommonCrypto.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libcompiler\_rt.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libcopyfile.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libcorecrypto.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libdispatch.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libdyld.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libkeymgr.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/liblaunch.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libmacho.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libquarantine.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libremovefile.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_asl.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_blocks.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_c.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_configuration.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_coreservices.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_darwin.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_dnssd.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_info.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_m.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_malloc.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_networkextension.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_notify.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_sandbox.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_secinit.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_kernel.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_platform.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_pthread.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_symptoms.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libsystem\_trace.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libunwind.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/system/libxpc.dylib\0", 0x7FFEED579DC0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/libobjc.A.dylib\0", 0x7FFEED5790C0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/libc++abi.dylib\0", 0x7FFEED5787A0, 0x0) = 0 0

9725/0x55d5cb: stat64("/usr/lib/libc++.1.dylib\0", 0x7FFEED5787A0, 0x0) = 0 0

9725/0x55d5cb: open("/dev/dtracehelper\0", 0x2, 0xFFFFFFFFED57AF20) = 3 0

9725/0x55d5cb: ioctl(0x3, 0x80086804, 0x7FFEED57AD30) = 0 0

9725/0x55d5cb: close(0x3) = 0 0

9725/0x55d5cb: access("/AppleInternal/XBS/.isChrooted\0", 0x0, 0x0) = -1 Err#2

9725/0x55d5cb: bsdthread\_register(0x7FFF5D86C400, 0x7FFF5D86C3F0, 0x2000) = 1073742047 0

9725/0x55d5cb: sysctlbyname(kern.bootargs, 0xD, 0x7FFEED57A180, 0x7FFEED57A170, 0x0) = 0 0

9725/0x55d5cb: issetugid(0x0, 0x0, 0x0) = 0 0

9725/0x55d5cb: ioctl(0x2, 0x4004667A, 0x7FFEED579984) = 0 0

9725/0x55d5cb: mprotect(0x10268C000, 0x1000, 0x0) = 0 0

9725/0x55d5cb: mprotect(0x102693000, 0x1000, 0x0) = 0 0

9725/0x55d5cb: mprotect(0x102694000, 0x1000, 0x0) = 0 0

9725/0x55d5cb: mprotect(0x10269B000, 0x1000, 0x0) = 0 0

9725/0x55d5cb: mprotect(0x10268A000, 0x90, 0x1) = 0 0

9725/0x55d5cb: mprotect(0x10269C000, 0x1000, 0x1) = 0 0

9725/0x55d5cb: mprotect(0x10268A000, 0x90, 0x3) = 0 0

9725/0x55d5cb: mprotect(0x10268A000, 0x90, 0x1) = 0 0

9725/0x55d5cb: getentropy(0x7FFEED579AD0, 0x20, 0x0) = 0 0

9725/0x55d5cb: getpid(0x0, 0x0, 0x0) = 9725 0

9725/0x55d5cb: stat64("/AppleInternal\0", 0x7FFEED57A5F0, 0x0) = -1 Err#2

9725/0x55d5cb: csops(0x25FD, 0x7, 0x7FFEED57A120) = -1 Err#22

9725/0x55d5cb: proc\_info(0x2, 0x25FD, 0xD) = 64 0

9725/0x55d5cb: csops(0x25FD, 0x7, 0x7FFEED579960) = -1 Err#22

9725/0x55d5cb: getrlimit(0x1008, 0x7FFEED57B220, 0x0) = 0 0

9725/0x55d5cb: fstat64(0x0, 0x7FFEED57B208, 0x0) = 0 0

dtrace: error on enabled probe ID 2175 (ID 954: syscall::read\_nocancel:return): invalid kernel access in action #13 at DIF offset 68

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002000, 0x700007F15000) = 133255168 0

9725/0x55d5ce: thread\_selfid(0x0, 0x0, 0x0) = 5625294 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002010, 0x700007F98000) = 133791744 0

9725/0x55d5cf: thread\_selfid(0x0, 0x0, 0x0) = 5625295 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002020, 0x70000801B000) = 134328320 0

9725/0x55d5ce: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d0: thread\_selfid(0x0, 0x0, 0x0) = 5625296 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002030, 0x70000809E000) = 134864896 0

9725/0x55d5cf: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d0: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d1: thread\_selfid(0x0, 0x0, 0x0) = 5625297 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002040, 0x700008121000) = 135401472 0

9725/0x55d5d1: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d2: thread\_selfid(0x0, 0x0, 0x0) = 5625298 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002050, 0x7000081A4000) = 135938048 0

9725/0x55d5d2: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d3: thread\_selfid(0x0, 0x0, 0x0) = 5625299 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002060, 0x700008227000) = 136474624 0

9725/0x55d5d3: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d4: thread\_selfid(0x0, 0x0, 0x0) = 5625300 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002070, 0x7000082AA000) = 137011200 0

9725/0x55d5d4: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d5: thread\_selfid(0x0, 0x0, 0x0) = 5625301 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002080, 0x70000832D000) = 137547776 0

9725/0x55d5d5: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d6: thread\_selfid(0x0, 0x0, 0x0) = 5625302 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002090, 0x7000083B0000) = 138084352 0

9725/0x55d5d6: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d7: thread\_selfid(0x0, 0x0, 0x0) = 5625303 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100020A0, 0x700008433000) = 138620928 0

9725/0x55d5d7: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d8: thread\_selfid(0x0, 0x0, 0x0) = 5625304 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100020B0, 0x7000084B6000) = 139157504 0

9725/0x55d5d8: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5d9: thread\_selfid(0x0, 0x0, 0x0) = 5625305 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100020C0, 0x700008539000) = 139694080 0

9725/0x55d5d9: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5da: thread\_selfid(0x0, 0x0, 0x0) = 5625306 0

9725/0x55d5da: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100020D0, 0x7000085BC000) = 140230656 0

9725/0x55d5db: thread\_selfid(0x0, 0x0, 0x0) = 5625307 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100020E0, 0x70000863F000) = 140767232 0

9725/0x55d5db: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5dc: thread\_selfid(0x0, 0x0, 0x0) = 5625308 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100020F0, 0x7000086C2000) = 141303808 0

9725/0x55d5dc: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5dd: thread\_selfid(0x0, 0x0, 0x0) = 5625309 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002100, 0x700008745000) = 141840384 0

9725/0x55d5dd: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5de: thread\_selfid(0x0, 0x0, 0x0) = 5625310 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002110, 0x7000087C8000) = 142376960 0

9725/0x55d5de: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5df: thread\_selfid(0x0, 0x0, 0x0) = 5625311 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002120, 0x70000884B000) = 142913536 0

9725/0x55d5df: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e0: thread\_selfid(0x0, 0x0, 0x0) = 5625312 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002130, 0x7000088CE000) = 143450112 0

9725/0x55d5e1: thread\_selfid(0x0, 0x0, 0x0) = 5625313 0

9725/0x55d5e0: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002140, 0x700008951000) = 143986688 0

9725/0x55d5e1: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e2: thread\_selfid(0x0, 0x0, 0x0) = 5625314 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002150, 0x7000089D4000) = 144523264 0

9725/0x55d5e2: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e3: thread\_selfid(0x0, 0x0, 0x0) = 5625315 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002160, 0x700008A57000) = 145059840 0

9725/0x55d5e3: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e4: thread\_selfid(0x0, 0x0, 0x0) = 5625316 0

9725/0x55d5e4: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002170, 0x700008ADA000) = 145596416 0

9725/0x55d5e5: thread\_selfid(0x0, 0x0, 0x0) = 5625317 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002180, 0x700008B5D000) = 146132992 0

9725/0x55d5e5: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e6: thread\_selfid(0x0, 0x0, 0x0) = 5625318 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002190, 0x700008BE0000) = 146669568 0

9725/0x55d5e6: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e7: thread\_selfid(0x0, 0x0, 0x0) = 5625319 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100021A0, 0x700008C63000) = 147206144 0

9725/0x55d5e7: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e8: thread\_selfid(0x0, 0x0, 0x0) = 5625320 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100021B0, 0x700008CE6000) = 147742720 0

9725/0x55d5e8: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5e9: thread\_selfid(0x0, 0x0, 0x0) = 5625321 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100021C0, 0x700008D69000) = 148279296 0

9725/0x55d5e9: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5ea: thread\_selfid(0x0, 0x0, 0x0) = 5625322 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100021D0, 0x700008DEC000) = 148815872 0

9725/0x55d5ea: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5eb: thread\_selfid(0x0, 0x0, 0x0) = 5625323 0

9725/0x55d5eb: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100021E0, 0x700008E6F000) = 149352448 0

9725/0x55d5ec: thread\_selfid(0x0, 0x0, 0x0) = 5625324 0

9725/0x55d5ec: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100021F0, 0x700008EF2000) = 149889024 0

9725/0x55d5ed: thread\_selfid(0x0, 0x0, 0x0) = 5625325 0

9725/0x55d5ed: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002200, 0x700008F75000) = 150425600 0

9725/0x55d5ee: thread\_selfid(0x0, 0x0, 0x0) = 5625326 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002210, 0x700008FF8000) = 150962176 0

9725/0x55d5ef: thread\_selfid(0x0, 0x0, 0x0) = 5625327 0

9725/0x55d5ee: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002220, 0x70000907B000) = 151498752 0

9725/0x55d5ef: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5f0: thread\_selfid(0x0, 0x0, 0x0) = 5625328 0

9725/0x55d5f0: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002230, 0x7000090FE000) = 152035328 0

9725/0x55d5f1: thread\_selfid(0x0, 0x0, 0x0) = 5625329 0

9725/0x55d5f1: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002240, 0x700009181000) = 152571904 0

9725/0x55d5f2: thread\_selfid(0x0, 0x0, 0x0) = 5625330 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002250, 0x700009204000) = 153108480 0

9725/0x55d5f2: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5f3: thread\_selfid(0x0, 0x0, 0x0) = 5625331 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002260, 0x700009287000) = 153645056 0

9725/0x55d5f4: thread\_selfid(0x0, 0x0, 0x0) = 5625332 0

9725/0x55d5f3: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5f4: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002270, 0x70000930A000) = 154181632 0

9725/0x55d5f5: thread\_selfid(0x0, 0x0, 0x0) = 5625333 0

9725/0x55d5f5: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002280, 0x70000938D000) = 154718208 0

9725/0x55d5f6: thread\_selfid(0x0, 0x0, 0x0) = 5625334 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002290, 0x700009410000) = 155254784 0

9725/0x55d5f6: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5f7: thread\_selfid(0x0, 0x0, 0x0) = 5625335 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100022A0, 0x700009493000) = 155791360 0

9725/0x55d5f7: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5f8: thread\_selfid(0x0, 0x0, 0x0) = 5625336 0

9725/0x55d5f8: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100022B0, 0x700009516000) = 156327936 0

9725/0x55d5f9: thread\_selfid(0x0, 0x0, 0x0) = 5625337 0

9725/0x55d5f9: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100022C0, 0x700009599000) = 156864512 0

9725/0x55d5fa: thread\_selfid(0x0, 0x0, 0x0) = 5625338 0

9725/0x55d5fa: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100022D0, 0x70000961C000) = 157401088 0

9725/0x55d5fb: thread\_selfid(0x0, 0x0, 0x0) = 5625339 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100022E0, 0x70000969F000) = 157937664 0

9725/0x55d5fb: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5fc: thread\_selfid(0x0, 0x0, 0x0) = 5625340 0

9725/0x55d5fc: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100022F0, 0x700009722000) = 158474240 0

9725/0x55d5fd: thread\_selfid(0x0, 0x0, 0x0) = 5625341 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002300, 0x7000097A5000) = 159010816 0

9725/0x55d5fd: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5fe: thread\_selfid(0x0, 0x0, 0x0) = 5625342 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002310, 0x700009828000) = 159547392 0

9725/0x55d5fe: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5ff: thread\_selfid(0x0, 0x0, 0x0) = 5625343 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002320, 0x7000098AB000) = 160083968 0

9725/0x55d5ff: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d600: thread\_selfid(0x0, 0x0, 0x0) = 5625344 0

9725/0x55d600: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002330, 0x70000992E000) = 160620544 0

9725/0x55d601: thread\_selfid(0x0, 0x0, 0x0) = 5625345 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002340, 0x7000099B1000) = 161157120 0

9725/0x55d601: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d602: thread\_selfid(0x0, 0x0, 0x0) = 5625346 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002350, 0x700009A34000) = 161693696 0

9725/0x55d603: thread\_selfid(0x0, 0x0, 0x0) = 5625347 0

9725/0x55d602: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d603: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002360, 0x700009AB7000) = 162230272 0

9725/0x55d604: thread\_selfid(0x0, 0x0, 0x0) = 5625348 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002370, 0x700009B3A000) = 162766848 0

9725/0x55d604: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d605: thread\_selfid(0x0, 0x0, 0x0) = 5625349 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002380, 0x700009BBD000) = 163303424 0

9725/0x55d605: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d606: thread\_selfid(0x0, 0x0, 0x0) = 5625350 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002390, 0x700009C40000) = 163840000 0

9725/0x55d606: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d607: thread\_selfid(0x0, 0x0, 0x0) = 5625351 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100023A0, 0x700009CC3000) = 164376576 0

9725/0x55d607: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d608: thread\_selfid(0x0, 0x0, 0x0) = 5625352 0

9725/0x55d608: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100023B0, 0x700009D46000) = 164913152 0

9725/0x55d609: thread\_selfid(0x0, 0x0, 0x0) = 5625353 0

9725/0x55d609: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100023C0, 0x700009DC9000) = 165449728 0

9725/0x55d60a: thread\_selfid(0x0, 0x0, 0x0) = 5625354 0

9725/0x55d60a: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100023D0, 0x700009E4C000) = 165986304 0

9725/0x55d60b: thread\_selfid(0x0, 0x0, 0x0) = 5625355 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100023E0, 0x700009ECF000) = 166522880 0

9725/0x55d60b: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d60c: thread\_selfid(0x0, 0x0, 0x0) = 5625356 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100023F0, 0x700009F52000) = 167059456 0

9725/0x55d60c: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d60d: thread\_selfid(0x0, 0x0, 0x0) = 5625357 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002400, 0x700009FD5000) = 167596032 0

9725/0x55d60d: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d60e: thread\_selfid(0x0, 0x0, 0x0) = 5625358 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002410, 0x70000A058000) = 168132608 0

9725/0x55d60e: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d60f: thread\_selfid(0x0, 0x0, 0x0) = 5625359 0

9725/0x55d60f: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002420, 0x70000A0DB000) = 168669184 0

9725/0x55d610: thread\_selfid(0x0, 0x0, 0x0) = 5625360 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002430, 0x70000A15E000) = 169205760 0

9725/0x55d610: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d611: thread\_selfid(0x0, 0x0, 0x0) = 5625361 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002440, 0x70000A1E1000) = 169742336 0

9725/0x55d611: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d612: thread\_selfid(0x0, 0x0, 0x0) = 5625362 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002450, 0x70000A264000) = 170278912 0

9725/0x55d612: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d613: thread\_selfid(0x0, 0x0, 0x0) = 5625363 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002460, 0x70000A2E7000) = 170815488 0

9725/0x55d613: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d614: thread\_selfid(0x0, 0x0, 0x0) = 5625364 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002470, 0x70000A36A000) = 171352064 0

9725/0x55d614: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d615: thread\_selfid(0x0, 0x0, 0x0) = 5625365 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002480, 0x70000A3ED000) = 171888640 0

9725/0x55d615: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d616: thread\_selfid(0x0, 0x0, 0x0) = 5625366 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002490, 0x70000A470000) = 172425216 0

9725/0x55d616: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d617: thread\_selfid(0x0, 0x0, 0x0) = 5625367 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100024A0, 0x70000A4F3000) = 172961792 0

9725/0x55d617: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d618: thread\_selfid(0x0, 0x0, 0x0) = 5625368 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100024B0, 0x70000A576000) = 173498368 0

9725/0x55d618: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d619: thread\_selfid(0x0, 0x0, 0x0) = 5625369 0

9725/0x55d619: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100024C0, 0x70000A5F9000) = 174034944 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100024D0, 0x70000A67C000) = 174571520 0

9725/0x55d61a: thread\_selfid(0x0, 0x0, 0x0) = 5625370 0

9725/0x55d61a: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100024E0, 0x70000A6FF000) = 175108096 0

9725/0x55d61b: thread\_selfid(0x0, 0x0, 0x0) = 5625371 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100024F0, 0x70000A782000) = 175644672 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002500, 0x70000A805000) = 176181248 0

9725/0x55d61b: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d61c: thread\_selfid(0x0, 0x0, 0x0) = 5625372 0

9725/0x55d61c: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d61d: thread\_selfid(0x0, 0x0, 0x0) = 5625373 0

9725/0x55d61d: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d61e: thread\_selfid(0x0, 0x0, 0x0) = 5625374 0

9725/0x55d61e: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002510, 0x70000A888000) = 176717824 0

9725/0x55d61f: thread\_selfid(0x0, 0x0, 0x0) = 5625375 0

9725/0x55d61f: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002520, 0x70000A90B000) = 177254400 0

9725/0x55d620: thread\_selfid(0x0, 0x0, 0x0) = 5625376 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002530, 0x70000A98E000) = 177790976 0

9725/0x55d620: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d621: thread\_selfid(0x0, 0x0, 0x0) = 5625377 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002540, 0x70000AA11000) = 178327552 0

9725/0x55d621: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d622: thread\_selfid(0x0, 0x0, 0x0) = 5625378 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002550, 0x70000AA94000) = 178864128 0

9725/0x55d622: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d623: thread\_selfid(0x0, 0x0, 0x0) = 5625379 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002560, 0x70000AB17000) = 179400704 0

9725/0x55d623: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d624: thread\_selfid(0x0, 0x0, 0x0) = 5625380 0

9725/0x55d624: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002570, 0x70000AB9A000) = 179937280 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002580, 0x70000AC1D000) = 180473856 0

9725/0x55d625: thread\_selfid(0x0, 0x0, 0x0) = 5625381 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002590, 0x70000ACA0000) = 181010432 0

9725/0x55d626: thread\_selfid(0x0, 0x0, 0x0) = 5625382 0

9725/0x55d625: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d627: thread\_selfid(0x0, 0x0, 0x0) = 5625383 0

9725/0x55d626: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100025A0, 0x70000AD23000) = 181547008 0

9725/0x55d627: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d628: thread\_selfid(0x0, 0x0, 0x0) = 5625384 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100025B0, 0x70000ADA6000) = 182083584 0

9725/0x55d628: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100025C0, 0x70000AE29000) = 182620160 0

9725/0x55d629: thread\_selfid(0x0, 0x0, 0x0) = 5625385 0

9725/0x55d62a: thread\_selfid(0x0, 0x0, 0x0) = 5625386 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100025D0, 0x70000AEAC000) = 183156736 0

9725/0x55d62a: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d629: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100025E0, 0x70000AF2F000) = 183693312 0

9725/0x55d62c: thread\_selfid(0x0, 0x0, 0x0) = 5625388 0

9725/0x55d62b: thread\_selfid(0x0, 0x0, 0x0) = 5625387 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F99100025F0, 0x70000AFB2000) = 184229888 0

9725/0x55d62c: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d62b: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002600, 0x70000B035000) = 184766464 0

9725/0x55d62d: thread\_selfid(0x0, 0x0, 0x0) = 5625389 0

9725/0x55d62e: thread\_selfid(0x0, 0x0, 0x0) = 5625390 0

9725/0x55d62d: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002610, 0x70000B0B8000) = 185303040 0

9725/0x55d62e: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d62f: thread\_selfid(0x0, 0x0, 0x0) = 5625391 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002620, 0x70000B13B000) = 185839616 0

9725/0x55d630: thread\_selfid(0x0, 0x0, 0x0) = 5625392 0

9725/0x55d5cb: bsdthread\_create(0x102685BB0, 0x7F9910002630, 0x70000B1BE000) = 186376192 0

9725/0x55d630: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d62f: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d631: thread\_selfid(0x0, 0x0, 0x0) = 5625393 0

9725/0x55d631: \_\_disable\_threadsignal(0x1, 0x0, 0x0) = 0 0

9725/0x55d5cb: fstat64(0x1, 0x7FFEED57B5B8, 0x0) = 0 0

9725/0x55d5cb: ioctl(0x1, 0x4004667A, 0x7FFEED57B604) = 0 0

5625393 – 5625294 + 1 = 100