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**Лабораторная работа №1 по курсу  
«Операционные системы»**

**Strace**

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Вариант: 3

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Оценка: \_\_\_\_\_

Дата: \_\_\_\_\_

Подпись: \_\_\_\_\_

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## Постановка задачи

### Цель работы

Целью является приобретение практических навыков работы с утилитой strace.

### Задание

Изучение работы утилиты strace на примере одной из выполненных лабораторных работ(№ 2).

### Общие сведения о программе

Перечислю список системных вызовов которые я использовал в лабораторной работе.

- **Fork()** - создание дочернего процесса
- **waitpid()** - ожидание завершения дочернего, процесса
- **read()** - считать последовательность байт
- **write()** - записать последовательность байт
- **close()** - закрыть дескриптор
- **execvp()** - выполнить программу
- **pipe()** - создать pipe

и т. д. Также опишу несколько полезных флагов для работы с strace

-i - выводить указатель на инструкцию во время выполнения системного вызова;

-r - выводить временную метку для каждого системного вызова;

-t - выводить время суток для каждого вызова;

-tt - добавить микросекунды;

-ttt - добавить микросекунды и количество секунд после начала эпохи Unix;

-T - выводить длительность выполнения системного вызова;

-u - выводить пути для файловых дескрипторов;

-b - если указанный системный вызов обнаружен, трассировка прекращается;

-f - отслеживать также дочерние процессы, если они будут созданы;

-I - позволяет блокировать реакцию на нажатия Ctrl+C и Ctrl+Z;

-E - добавляет переменную окружения для запускаемой программы;

-p - указывает pid процесса, к которому следует подключиться;

-u - запустить программу, от имени указанного пользователя.

## Пример работы

```
kirill@kirill:~/localProjects/OSlabs/lab2/build/src$ strace -i -r -T -f
/home/kirill/localProjects/OSlabs/lab2/build/src/main < /home/kirill/localProjects/OSlabs/lab2/test/1.txt
0.000000 [00007f8db72e346b] execve("/home/kirill/localProjects/OSlabs/lab2/build/src/main",
["/home/kirill/localProjects/OSlab"...], 0x7ffd688a60c0 /* 105 vars */) = 0 <0.000355>
0.000555 [00007f488a20ecb7] brk(NULL) = 0x562215f7c000 <0.000013>
0.000076 [00007f488a2037c0] arch_prctl(0x3001 /* ARCH_??? */, 0x7fffab186bd0) = -1 EINVAL
(Недопустимый аргумент) <0.000013>
0.000249 [00007f488a20fec7] mmap(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|
MAP_ANONYMOUS, -1, 0) = 0x7f488a1ea000 <0.000016>
0.000065 [00007f488a20fbbb] access("/etc/ld.so.preload", R_OK) = -1 ENOENT (Нет такого файла или
каталога) <0.000018>
0.000071 [00007f488a20fd21] openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC) = 3
<0.000019>
0.000061 [00007f488a20faee] newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=103689, ...},
AT_EMPTY_PATH) = 0 <0.000016>
0.000078 [00007f488a20fec7] mmap(NULL, 103689, PROT_READ, MAP_PRIVATE, 3, 0) = 0x7f488a1d0000
<0.000016>
0.000048 [00007f488a20fbeb] close(3) = 0 <0.000013>
0.000057 [00007f488a20fd21] openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libc.so.6", O_RDONLY|
O_CLOEXEC) = 3 <0.000020>
0.000052 [00007f488a20fd78] read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\3\0\0\1\0\0\0\3206\2\0\0\0\0"...
, 832)
= 832 <0.000013>
0.000047 [00007f488a20fdae] 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"...
, 784, 64) = 784 <0.000014>
0.000050 [00007f488a20faee] newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=2072888, ...},
AT_EMPTY_PATH) = 0 <0.000017>
0.000059 [00007f488a20fdae] 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"...
, 784, 64) = 784 <0.000014>
0.000050 [00007f488a20fec7] mmap(NULL, 2117488, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE,
3, 0) = 0x7f4889e00000 <0.000018>
0.000051 [00007f488a20fec7] mmap(0x7f4889e22000, 1544192, PROT_READ|PROT_EXEC,
MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x22000) = 0x7f4889e22000 <0.000031>
0.000065 [00007f488a20fec7] mmap(0x7f4889f9b000, 356352, PROT_READ, MAP_PRIVATE|MAP_FIXED|
MAP_DENYWRITE, 3, 0x19b000) = 0x7f4889f9b000 <0.000019>
0.000052 [00007f488a20fec7] mmap(0x7f4889ff2000, 24576, PROT_READ|PROT_WRITE, MAP_PRIVATE|
MAP_FIXED|MAP_DENYWRITE, 3, 0x1f1000) = 0x7f4889ff2000 <0.000022>
0.000062 [00007f488a20fec7] mmap(0x7f4889ff8000, 53104, PROT_READ|PROT_WRITE, MAP_PRIVATE|
MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x7f4889ff8000 <0.000019>
0.000074 [00007f488a20fbeb] close(3) = 0 <0.000014>
0.000065 [00007f488a20fec7] mmap(NULL, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|
MAP_ANONYMOUS, -1, 0) = 0x7f488a1cd000 <0.000017>
0.000060 [00007f488a20a40d] arch_prctl(ARCH_SET_FS, 0x7f488a1cd740) = 0 <0.000014>
0.000047 [00007f488a1ff2be] set_tid_address(0x7f488a1cda10) = 43059 <0.000014>
0.000047 [00007f488a1ff31a] set_robust_list(0x7f488a1cda20, 24) = 0 <0.000013>
0.000046 [00007f488a1ff351] rseq(0x7f488a1ce060, 0x20, 0, 0x53053053) = 0 <0.000014>
0.000128 [00007f488a20ff3b] mprotect(0x7f4889ff2000, 16384, PROT_READ) = 0 <0.000022>
0.000067 [00007f488a20ff3b] mprotect(0x562214c62000, 4096, PROT_READ) = 0 <0.000019>
0.000061 [00007f488a20ff3b] mprotect(0x7f488a220000, 8192, PROT_READ) = 0 <0.000020>
0.000077 [00007f4889f12784] prlimit64(0, RLIMIT_STACK, NULL, {rlim_cur=8192*1024,
rlim_max=RLIM64_INFINITY}) = 0 <0.000030>
0.000132 [00007f488a20ff0b] munmap(0x7f488a1d0000, 103689) = 0 <0.000056>
0.000124 [00007f4889f0d56d] pipe2([3, 4], 0) = 0 <0.000027>
0.000077 [00007f4889f0d56d] pipe2([5, 6], 0) = 0 <0.000027>
0.000074 [00007f4889f0d56d] pipe2([7, 8], 0) = 0 <0.000020>
0.000089 [00007f4889ee2d27] clone(child_stack=NULL, flags=CLONE_CHILD_CLEARTID|
CLONE_CHILD_SETTID|SIGCHLD, child_tidptr=0x7f488a1cda10) = 43060 <0.000128>
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0.000204 [00007f4889ee2d27] clone(child_stack=NULL, flags=CLONE_CHILD_CLEARTID|
CLONE_CHILD_SETTID|SIGCHLD, child_tidptr=0x7f488a1cda10) = 43061 <0.000113>
0.000176 [00007f4889f0d454] close(3) = 0 <0.000014>
0.000062 [00007f4889f0d454] close(6) = 0 <0.000014>
0.000061 [00007f4889f0ccf1] read(0, "T", 1) = 1 <0.000017>
0.000071 [00007f4889f0cd94] write(4, "T", 1) = 1 <0.000016>
0.000064 [00007f4889f0ccf1] read(5, strace: Process 43061 attached
<unfinished ...>
[pid 43061] 0.000100 [00007f4889ee2d61] set_robust_list(0x7f488a1cda20, 24) = 0 <0.000012>
[pid 43061] 0.000081 [00007f4889f0d50b] dup2(6, 1) = 1 <0.000013>
[pid 43061] 0.000057 [00007f4889f0d50b] dup2(7, 0) = 0 <0.000012>
[pid 43061] 0.000055 [00007f4889f0d454] close(5strace: Process 43060 attached
) = 0 <0.000029>
[pid 43061] 0.000069 [00007f4889f0d454] close(8) = 0 <0.000017>
[pid 43060] 0.000038 [00007f4889ee2d61] set_robust_list(0x7f488a1cda20, 24 <unfinished ...>
[pid 43061] 0.000029 [00007f4889f0d454] close(4 <unfinished ...>
[pid 43060] 0.000034 [00007f4889ee2d61] <... set_robust_list resumed>) = 0 <0.000051>
[pid 43061] 0.000021 [00007f4889f0d454] <... close resumed>) = 0 <0.000050>
[pid 43061] 0.000024 [00007f4889f0d454] close(3) = 0 <0.000012>
[pid 43061] 0.000072 [00007f4889ee346b] execve("./child2", ["child2"], 0x7fffab186d38 /* 105 vars */
<unfinished ...>
[pid 43060] 0.000106 [00007f4889f0d50b] dup2(3, 0) = 0 <0.000016>
[pid 43060] 0.000065 [00007f4889f0d50b] dup2(8, 1) = 1 <0.000014>
[pid 43060] 0.000059 [00007f4889f0d454] close(4) = 0 <0.000013>
[pid 43060] 0.000059 [00007f4889f0d454] close(7) = 0 <0.000013>
[pid 43060] 0.000057 [00007f4889f0d454] close(6) = 0 <0.000028>
[pid 43060] 0.000077 [00007f4889f0d454] close(5 <unfinished ...>
[pid 43061] 0.000042 [00007fa6713b1880] <... execve resumed>) = 0 <0.000389>
[pid 43060] 0.000024 [00007f4889f0d454] <... close resumed>) = 0 <0.000055>
[pid 43060] 0.000055 [00007f4889ee346b] execve("./child1", ["child1"], 0x7fffab186d38 /* 105 vars */
<unfinished ...>
[pid 43061] 0.000063 [00007fa6713b6ceb] brk(NULL) = 0x5606747a6000 <0.000023>
[pid 43061] 0.000100 [00007fa6713ab7c0] arch_prctl(0x3001 /* ARCH_??? */, 0x7ffc9d52ae10) = -1 EINVAL
(Недопустимый аргумент) <0.000020>
[pid 43061] 0.000111 [00007fa6713b7ec7] mmap(NULL, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x7fa671392000 <0.000037>
[pid 43061] 0.000106 [00007fa6713b7bbb] access("/etc/ld.so.preload", R_OK) = -1 ENOENT (Нет такого
файла или каталога) <0.000025>
[pid 43061] 0.000095 [00007fa6713b7d21] openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|
O_CLOEXEC) = 3 <0.000026>
[pid 43061] 0.000084 [00007fa6713b7aee] newfstatat(3, "", {st_mode=S_IFREG|0644, st_size=103689, ...},
AT_EMPTY_PATH) = 0 <0.000024>
[pid 43061] 0.000092 [00007fa6713b7ec7] mmap(NULL, 103689, PROT_READ, MAP_PRIVATE, 3, 0) =
0x7fa671378000 <0.000023>
[pid 43061] 0.000078 [00007fa6713b7beb] close(3) = 0 <0.000022>
[pid 43061] 0.000091 [00007fa6713b7d21] openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libc.so.6",
O_RDONLY|O_CLOEXEC) = 3 <0.000024>
[pid 43061] 0.000083 [00007fa6713b7d78] read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\3\0>\
0\1\0\0\0\3206\2\0\0\0\0"..., 832) = 832 <0.000020>
[pid 43060] 0.000151 [00007f9be8a9c880] <... execve resumed>) = 0 <0.001016>
[pid 43061] 0.000046 [00007fa6713b7dae] 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"..., 784, 64) = 784 <0.000030>
[pid 43060] 0.000117 [00007f9be8aa1ceb] brk(NULL) = 0x5592c7d42000 <0.000014>
[pid 43061] 0.000090 [00007fa6713b7aee] newfstatat(3, "", <unfinished ...>
[pid 43060] 0.000036 [00007f9be8a967c0] arch_prctl(0x3001 /* ARCH_??? */, 0x7ffe3ed8c6d0) = -1 EINVAL
(Недопустимый аргумент) <0.000013>
[pid 43061] 0.000082 [00007fa6713b7aee] <... newfstatat resumed>{st_mode=S_IFREG|0644, st_size=2072888,
...}, AT_EMPTY_PATH) = 0 <0.000102>
[pid 43060] 0.000058 [00007f9be8aa2ec7] mmap(NULL, 8192, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_ANONYMOUS, -1, 0 <unfinished ...>
[pid 43061] 0.000037 [00007fa6713b7dae] pread64(3, <unfinished ...>
[pid 43060] 0.000045 [00007f9be8aa2ec7] <... mmap resumed>) = 0x7f9be8a7d000 <0.000050>

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[pid 43060]    0.000046 [00007f9be8aa2bbb] access("/etc/ld.so.preload", R_OK) = -1 ENOENT (Нет такого файла или каталога) <0.000020>
[pid 43061]    0.000070 [00007fa6713b7dae] <... pread64 resumed>"\6\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"... , 784, 64) = 784 <0.000151>
[pid 43061]    0.000060 [00007fa6713b7ec7] mmap(NULL, 2117488, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 3, 0 <unfinished ...>
[pid 43060]    0.000038 [00007f9be8aa2d21] openat(AT_FDCWD, "/etc/ld.so.cache", O_RDONLY|O_CLOEXEC <unfinished ...>
[pid 43061]    0.000067 [00007fa6713b7ec7] <... mmap resumed>) = 0x7fa671000000 <0.000070>
[pid 43060]    0.000026 [00007f9be8aa2d21] <... openat resumed>) = 4 <0.000072>
[pid 43060]    0.000036 [00007f9be8aa2aee] newfstatat(4, "", {st_mode=S_IFREG|0644, st_size=103689, ...}, AT_EMPTY_PATH) = 0 <0.000017>
[pid 43060]    0.000072 [00007f9be8aa2ec7] mmap(NULL, 103689, PROT_READ, MAP_PRIVATE, 4, 0) = 0x7f9be8a63000 <0.000021>
[pid 43060]    0.000069 [00007f9be8aa2beb] close(4 <unfinished ...>
[pid 43061]    0.000048 [00007fa6713b7ec7] mmap(0x7fa671022000, 1544192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x22000 <unfinished ...>
[pid 43060]    0.000038 [00007f9be8aa2beb] <... close resumed>) = 0 <0.000060>
[pid 43060]    0.000052 [00007f9be8aa2d21] openat(AT_FDCWD, "/lib/x86_64-linux-gnu/libc.so.6", O_RDONLY|O_CLOEXEC) = 4 <0.000020>
[pid 43060]    0.000070 [00007f9be8aa2d78] read(4, <unfinished ...>
[pid 43061]    0.000045 [00007fa6713b7ec7] <... mmap resumed>) = 0x7fa671022000 <0.000174>
[pid 43060]    0.000028 [00007f9be8aa2d78] <... read resumed>"\177ELF\2\1\1\3\0\0\0\0\0\0\0\3\0\0\0\1\0\0\0\3206\2\0\0\0\0\0"... , 832) = 832 <0.000059>
[pid 43061]    0.000033 [00007fa6713b7ec7] mmap(0x7fa67119b000, 356352, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x19b000 <unfinished ...>
[pid 43060]    0.000048 [00007f9be8aa2dae] pread64(4, "\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\\0\0\0\0\0\0\0"... , 784, 64) = 784 <0.000014>
[pid 43060]    0.000065 [00007f9be8aa2aee] newfstatat(4, "", <unfinished ...>
[pid 43061]    0.000038 [00007fa6713b7ec7] <... mmap resumed>) = 0x7fa67119b000 <0.000120>
[pid 43060]    0.000040 [00007f9be8aa2aee] <... newfstatat resumed>{st_mode=S_IFREG|0644, st_size=2072888, ...}, AT_EMPTY_PATH) = 0 <0.000060>
[pid 43061]    0.000028 [00007fa6713b7ec7] mmap(0x7fa6711f2000, 24576, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x1f1000 <unfinished ...>
[pid 43060]    0.000048 [00007f9be8aa2dae] pread64(4, <unfinished ...>
[pid 43061]    0.000033 [00007fa6713b7ec7] <... mmap resumed>) = 0x7fa6711f2000 <0.000050>
[pid 43060]    0.000036 [00007f9be8aa2dae] <... pread64 resumed>"\6\0\0\0\4\0\0\0@\0\0\0\0\0\0\0@\0\0\0\0\0\0\0@\\0\0\0\0\0\0\0"... , 784, 64) = 784 <0.000057>
[pid 43061]    0.000030 [00007fa6713b7ec7] mmap(0x7fa6711f8000, 53104, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0 <unfinished ...>
[pid 43060]    0.000052 [00007f9be8aa2ec7] mmap(NULL, 2117488, PROT_READ, MAP_PRIVATE|MAP_DENYWRITE, 4, 0 <unfinished ...>
[pid 43061]    0.000029 [00007fa6713b7ec7] <... mmap resumed>) = 0x7fa6711f8000 <0.000051>
[pid 43060]    0.000044 [00007f9be8aa2ec7] <... mmap resumed>) = 0x7f9be8800000 <0.000060>
[pid 43060]    0.000036 [00007f9be8aa2ec7] mmap(0x7f9be8822000, 1544192, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 4, 0x22000 <unfinished ...>
[pid 43061]    0.000067 [00007fa6713b7beb] close(3 <unfinished ...>
[pid 43060]    0.000050 [00007f9be8aa2ec7] <... mmap resumed>) = 0x7f9be8822000 <0.000084>
[pid 43061]    0.000026 [00007fa6713b7beb] <... close resumed>) = 0 <0.000062>
[pid 43060]    0.000037 [00007f9be8aa2ec7] mmap(0x7f9be899b000, 356352, PROT_READ, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 4, 0x19b000) = 0x7f9be899b000 <0.000024>
[pid 43060]    0.000073 [00007f9be8aa2ec7] mmap(0x7f9be89f2000, 24576, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 4, 0x1f1000 <unfinished ...>
[pid 43061]    0.000035 [00007fa6713b7ec7] mmap(NULL, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0 <unfinished ...>
[pid 43060]    0.000062 [00007f9be8aa2ec7] <... mmap resumed>) = 0x7f9be89f2000 <0.000065>
[pid 43061]    0.000024 [00007fa6713b7ec7] <... mmap resumed>) = 0x7fa671375000 <0.000070>
[pid 43060]    0.000049 [00007f9be8aa2ec7] mmap(0x7f9be89f8000, 53104, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0 <unfinished ...>
[pid 43061]    0.000031 [00007fa6713b240d] arch_prctl(ARCH_SET_FS, 0x7fa671375740 <unfinished ...>
[pid 43060]    0.000055 [00007f9be8aa2ec7] <... mmap resumed>) = 0x7f9be89f8000 <0.000054>
[pid 43061]    0.000026 [00007fa6713b240d] <... arch_prctl resumed>) = 0 <0.000068>
[pid 43060]    0.000058 [00007f9be8aa2beb] close(4 <unfinished ...>
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[pid 43061] 0.000045 [00007fa6713a72be] set\_tid\_address(0x7fa671375a10 <unfinished ...>  
[pid 43060] 0.000042 [00007f9be8aa2beb] <... close resumed>) = 0 <0.000057>  
[pid 43061] 0.000026 [00007fa6713a72be] <... set\_tid\_address resumed>) = 43061 <0.000057>  
[pid 43061] 0.000048 [00007fa6713a731a] set\_robust\_list(0x7fa671375a20, 24) = 0 <0.000026>  
[pid 43060] 0.000071 [00007f9be8aa2ec7] mmap(NULL, 12288, PROT\_READ|PROT\_WRITE, MAP\_PRIVATE|MAP\_ANONYMOUS, -1, 0) = 0x7f9be8a60000 <0.000017>  
[pid 43060] 0.000079 [00007f9be8a9d40d] arch\_prctl(ARCH\_SET\_FS, 0x7f9be8a60740) = 0 <0.000014>  
[pid 43060] 0.000061 [00007f9be8a922be] set\_tid\_address(0x7f9be8a60a10) = 43060 <0.000013>  
[pid 43060] 0.000061 [00007f9be8a9231a] set\_robust\_list(0x7f9be8a60a20, 24 <unfinished ...>  
[pid 43061] 0.000044 [00007fa6713a7351] rseq(0x7fa671376060, 0x20, 0, 0x53053053 <unfinished ...>  
[pid 43060] 0.000036 [00007f9be8a9231a] <... set\_robust\_list resumed>) = 0 <0.000051>  
[pid 43060] 0.000036 [00007f9be8a92351] rseq(0x7f9be8a61060, 0x20, 0, 0x53053053) = 0 <0.000014>  
[pid 43061] 0.000055 [00007fa6713a7351] <... rseq resumed>) = 0 <0.000111>  
[pid 43060] 0.000114 [00007f9be8aa2f3b] mprotect(0x7f9be89f2000, 16384, PROT\_READ <unfinished ...>  
[pid 43061] 0.000038 [00007fa6713b7f3b] mprotect(0x7fa6711f2000, 16384, PROT\_READ <unfinished ...>  
[pid 43060] 0.000057 [00007f9be8aa2f3b] <... mprotect resumed>) = 0 <0.000060>  
[pid 43060] 0.000041 [00007f9be8aa2f3b] mprotect(0x5592c6a15000, 4096, PROT\_READ) = 0 <0.000021>  
[pid 43061] 0.000071 [00007fa6713b7f3b] <... mprotect resumed>) = 0 <0.000154>  
[pid 43060] 0.000045 [00007f9be8aa2f3b] mprotect(0x7f9be8ab3000, 8192, PROT\_READ <unfinished ...>  
[pid 43061] 0.000047 [00007fa6713b7f3b] mprotect(0x560672d87000, 4096, PROT\_READ <unfinished ...>  
[pid 43060] 0.000049 [00007f9be8aa2f3b] <... mprotect resumed>) = 0 <0.000064>  
[pid 43061] 0.000026 [00007fa6713b7f3b] <... mprotect resumed>) = 0 <0.000060>  
[pid 43060] 0.000058 [00007f9be8912784] prlimit64(0, RLIMIT\_STACK, NULL, {rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0 <0.000014>  
[pid 43061] 0.000062 [00007fa6713b7f3b] mprotect(0x7fa6713c8000, 8192, PROT\_READ) = 0 <0.000039>  
[pid 43060] 0.000078 [00007f9be8aa2f0b] munmap(0x7f9be8a63000, 103689) = 0 <0.000039>  
[pid 43061] 0.000076 [00007fa671112784] prlimit64(0, RLIMIT\_STACK, NULL, <unfinished ...>  
[pid 43060] 0.000070 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000034 [00007fa671112784] <... prlimit64 resumed>{rlim\_cur=8192\*1024, rlim\_max=RLIM64\_INFINITY}) = 0 <0.000075>  
[pid 43060] 0.000050 [00007f9be890ccf1] <... read resumed>"T", 1) = 1 <0.000070>  
[pid 43061] 0.000032 [00007fa6713b7f0b] munmap(0x7fa671378000, 103689 <unfinished ...>  
[pid 43060] 0.000044 [00007f9be890cd94] write(1, "t", 1) = 1 <0.000017>  
[pid 43061] 0.000058 [00007fa6713b7f0b] <... munmap resumed>) = 0 <0.000091>  
[pid 43060] 0.000035 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000134 [00007fa67110ccf1] read(0, "t", 1) = 1 <0.000083>  
[pid 43061] 0.000156 [00007fa67110cd94] write(1, "t", 1) = 1 <0.000064>  
[pid 43059] 0.000110 [00007f4889f0ccf1] <... read resumed>"t", 1) = 1 <0.006741>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(1, "t", 1 <unfinished ...>  
[pid 43061] 0.000046 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000025 [00007f4889f0cd94] <... write resumed>) = 1 <0.000046>  
[pid 43059] 0.000034 [00007f4889f0ccf1] read(0, "h", 1) = 1 <0.000023>  
[pid 43059] 0.000068 [00007f4889f0cd94] write(4, "h", 1) = 1 <0.000027>  
[pid 43060] 0.000067 [00007f9be890ccf1] <... read resumed>"h", 1) = 1 <0.000679>  
[pid 43059] 0.000043 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000052 [00007f9be890cd94] write(1, "h", 1) = 1 <0.000018>  
[pid 43061] 0.000069 [00007fa67110ccf1] <... read resumed>"h", 1) = 1 <0.000353>  
[pid 43061] 0.000042 [00007fa67110cd94] write(1, "h", 1 <unfinished ...>  
[pid 43059] 0.000059 [00007f4889f0ccf1] <... read resumed>"h", 1) = 1 <0.000196>  
[pid 43061] 0.000027 [00007fa67110cd94] <... write resumed>) = 1 <0.000068>  
[pid 43059] 0.000031 [00007f4889f0cd94] write(1, "h", 1h) = 1 <0.000022>  
[pid 43059] 0.000072 [00007f4889f0ccf1] read(0, "E", 1) = 1 <0.000018>  
[pid 43059] 0.000067 [00007f4889f0cd94] write(4, "E", 1) = 1 <0.000015>  
[pid 43059] 0.000066 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43061] 0.000048 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43060] 0.000043 [00007f9be890ccf1] read(0, "E", 1) = 1 <0.000012>  
[pid 43060] 0.000059 [00007f9be890cd94] write(1, "e", 1) = 1 <0.000016>  
[pid 43061] 0.000062 [00007fa67110ccf1] <... read resumed>"e", 1) = 1 <0.000154>  
[pid 43061] 0.000035 [00007fa67110cd94] write(1, "e", 1 <unfinished ...>  
[pid 43059] 0.000053 [00007f4889f0ccf1] <... read resumed>"e", 1) = 1 <0.000274>  
[pid 43061] 0.000024 [00007fa67110cd94] <... write resumed>) = 1 <0.000061>  
[pid 43059] 0.000027 [00007f4889f0cd94] write(1, "e", 1e) = 1 <0.000018>  
[pid 43059] 0.000063 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000014>

[pid 43059] 0.000059 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000013>  
[pid 43059] 0.000060 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43061] 0.000043 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43060] 0.000043 [00007f9be890ccf1] read(0, " ", 1) = 1 <0.000013>  
[pid 43060] 0.000058 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000015>  
[pid 43061] 0.000060 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000150>  
[pid 43061] 0.000035 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43059] 0.000053 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000268>  
[pid 43061] 0.000026 [00007fa67110cd94] <... write resumed>) = 1 <0.000063>  
[pid 43059] 0.000030 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000019>  
[pid 43059] 0.000069 [00007f4889f0ccf1] read(0, "q", 1) = 1 <0.000015>  
[pid 43059] 0.000065 [00007f4889f0cd94] write(4, "q", 1) = 1 <0.000014>  
[pid 43059] 0.000064 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43061] 0.000055 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43060] 0.000055 [00007f9be890ccf1] read(0, "q", 1) = 1 <0.000042>  
[pid 43060] 0.000102 [00007f9be890cd94] write(1, "q", 1) = 1 <0.000024>  
[pid 43061] 0.000062 [00007fa67110ccf1] <... read resumed>"q", 1) = 1 <0.000207>  
[pid 43060] 0.000028 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "q", 1) = 1 <0.000023>  
[pid 43059] 0.000048 [00007f4889f0ccf1] <... read resumed>"q", 1) = 1 <0.000344>  
[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000024 [00007f4889f0cd94] write(1, "q", 1q) = 1 <0.000028>  
[pid 43059] 0.000070 [00007f4889f0ccf1] read(0, "u", 1) = 1 <0.000024>  
[pid 43059] 0.000066 [00007f4889f0cd94] write(4, "u", 1) = 1 <0.000146>  
[pid 43060] 0.000170 [00007f9be890ccf1] <... read resumed>"u", 1) = 1 <0.000407>  
[pid 43059] 0.000019 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "u", 1) = 1 <0.000021>  
[pid 43061] 0.000048 [00007fa67110ccf1] <... read resumed>"u", 1) = 1 <0.000408>  
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "u", 1 <unfinished ...>  
[pid 43059] 0.000032 [00007f4889f0ccf1] <... read resumed>"u", 1) = 1 <0.000122>  
[pid 43061] 0.000012 [00007fa67110cd94] <... write resumed>) = 1 <0.000036>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "u", 1 <unfinished ...>  
u[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000019>  
[pid 43059] 0.000022 [00007f4889f0ccf1] read(0, "i", 1) = 1 <0.000016>  
[pid 43059] 0.000042 [00007f4889f0cd94] write(4, "i", 1) = 1 <0.000018>  
[pid 43060] 0.000034 [00007f9be890ccf1] <... read resumed>"i", 1) = 1 <0.000199>  
[pid 43059] 0.000017 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "i", 1) = 1 <0.000014>  
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>"i", 1) = 1 <0.000172>  
[pid 43060] 0.000013 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "i", 1) = 1 <0.000018>  
[pid 43059] 0.000036 [00007f4889f0ccf1] <... read resumed>"i", 1) = 1 <0.000105>  
[pid 43061] 0.000014 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "i", 1i) = 1 <0.000023>  
[pid 43059] 0.000053 [00007f4889f0ccf1] read(0, "c", 1) = 1 <0.000014>  
[pid 43059] 0.000040 [00007f4889f0cd94] write(4, "c", 1) = 1 <0.000017>  
[pid 43060] 0.000033 [00007f9be890ccf1] <... read resumed>"c", 1) = 1 <0.000197>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "c", 1) = 1 <0.000015>  
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>"c", 1) = 1 <0.000198>  
[pid 43060] 0.000012 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "c", 1) = 1 <0.000015>  
[pid 43059] 0.000034 [00007f4889f0ccf1] <... read resumed>"c", 1) = 1 <0.000103>  
[pid 43061] 0.000013 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "c", 1c) = 1 <0.000017>  
[pid 43059] 0.000046 [00007f4889f0ccf1] read(0, "k", 1) = 1 <0.000014>  
[pid 43059] 0.000040 [00007f4889f0cd94] write(4, "k", 1) = 1 <0.000017>  
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"k", 1) = 1 <0.000188>  
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000036 [00007f9be890cd94] write(1, "k", 1) = 1 <0.000015>  
[pid 43061] 0.000032 [00007fa67110ccf1] <... read resumed>"k", 1) = 1 <0.000217>

[pid 43060] 0.000013 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000016 [00007fa67110cd94] write(1, "k", 1) = 1 <0.000015>  
[pid 43059] 0.000032 [00007f4889f0ccf1] <... read resumed>"k", 1) = 1 <0.000123>  
[pid 43061] 0.000014 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000022 [00007f4889f0cd94] write(1, "k", 1k) = 1 <0.000021>  
[pid 43059] 0.000053 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000018>  
[pid 43059] 0.000046 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000018>  
[pid 43060] 0.000032 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000212>  
[pid 43059] 0.000012 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000013 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000016>  
[pid 43061] 0.000030 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000206>  
[pid 43060] 0.000014 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000021 [00007fa67110cd94] write(1, "\_", 1) = 1 <0.000018>  
[pid 43059] 0.000033 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000104>  
[pid 43061] 0.000014 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000016>  
[pid 43059] 0.000042 [00007f4889f0ccf1] read(0, "b", 1) = 1 <0.000013>  
[pid 43059] 0.000038 [00007f4889f0cd94] write(4, "b", 1) = 1 <0.000019>  
[pid 43060] 0.000034 [00007f9be890ccf1] <... read resumed>"b", 1) = 1 <0.000194>  
[pid 43059] 0.000012 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000012 [00007f9be890cd94] write(1, "b", 1) = 1 <0.000014>  
[pid 43061] 0.000030 [00007fa67110ccf1] <... read resumed>"b", 1) = 1 <0.000177>  
[pid 43060] 0.000013 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "b", 1) = 1 <0.000014>  
[pid 43059] 0.000029 [00007f4889f0ccf1] <... read resumed>"b", 1) = 1 <0.000092>  
[pid 43061] 0.000012 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "b", 1b) = 1 <0.000016>  
[pid 43059] 0.000041 [00007f4889f0ccf1] read(0, "r", 1) = 1 <0.000014>  
[pid 43059] 0.000038 [00007f4889f0cd94] write(4, "r", 1) = 1 <0.000016>  
[pid 43060] 0.000030 [00007f9be890ccf1] <... read resumed>"r", 1) = 1 <0.000176>  
[pid 43059] 0.000012 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000012 [00007f9be890cd94] write(1, "r", 1) = 1 <0.000016>  
[pid 43061] 0.000028 [00007fa67110ccf1] <... read resumed>"r", 1) = 1 <0.000172>  
[pid 43060] 0.000014 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000012 [00007fa67110cd94] write(1, "r", 1) = 1 <0.000014>  
[pid 43059] 0.000030 [00007f4889f0ccf1] <... read resumed>"r", 1) = 1 <0.000092>  
[pid 43061] 0.000010 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000017 [00007f4889f0cd94] write(1, "r", 1r) = 1 <0.000017>  
[pid 43059] 0.000042 [00007f4889f0ccf1] read(0, "o", 1) = 1 <0.000014>  
[pid 43059] 0.000040 [00007f4889f0cd94] write(4, "o", 1) = 1 <0.000019>  
[pid 43060] 0.000038 [00007f9be890ccf1] <... read resumed>"o", 1) = 1 <0.000187>  
[pid 43059] 0.000019 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "o", 1 <unfinished ...>  
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>"o", 1) = 1 <0.000197>  
[pid 43060] 0.000014 [00007f9be890cd94] <... write resumed>) = 1 <0.000037>  
[pid 43061] 0.000016 [00007fa67110cd94] write(1, "o", 1 <unfinished ...>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000015 [00007fa67110cd94] <... write resumed>) = 1 <0.000018>  
[pid 43059] 0.000012 [00007f4889f0ccf1] <... read resumed>"o", 1) = 1 <0.000118>  
[pid 43061] 0.000018 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000016 [00007f4889f0cd94] write(1, "o", 1o) = 1 <0.000021>  
[pid 43059] 0.000053 [00007f4889f0ccf1] read(0, "w", 1) = 1 <0.000016>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(4, "w", 1) = 1 <0.000016>  
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"w", 1) = 1 <0.000193>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "w", 1) = 1 <0.000027>  
[pid 43061] 0.000047 [00007fa67110ccf1] <... read resumed>"w", 1) = 1 <0.000227>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "w", 1) = 1 <0.000022>  
[pid 43059] 0.000042 [00007f4889f0ccf1] <... read resumed>"w", 1) = 1 <0.000131>  
[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "w", 1w) = 1 <0.000083>  
[pid 43059] 0.000128 [00007f4889f0ccf1] read(0, "N", 1) = 1 <0.000055>



[pid 43059] 0.000102 [00007f4889f0cd94] write(4, "N", 1) = 1 <0.000047>  
[pid 43060] 0.000078 [00007f9be890ccf1] <... read resumed>"N", 1) = 1 <0.000395>  
[pid 43059] 0.000023 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000032 [00007f9be890cd94] write(1, "n", 1 <unfinished ...>  
[pid 43061] 0.000046 [00007fa67110ccf1] <... read resumed>"n", 1) = 1 <0.000414>  
[pid 43060] 0.000023 [00007f9be890cd94] <... write resumed>) = 1 <0.000055>  
[pid 43061] 0.000017 [00007fa67110cd94] write(1, "n", 1 <unfinished ...>  
[pid 43060] 0.000031 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000020 [00007f4889f0ccf1] <... read resumed>"n", 1) = 1 <0.000150>  
[pid 43061] 0.000016 [00007fa67110cd94] <... write resumed>) = 1 <0.000056>  
[pid 43059] 0.000028 [00007f4889f0cd94] write(1, "n", 1 <unfinished ...>  
n[pid 43061] 0.000033 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000028 [00007f4889f0cd94] <... write resumed>) = 1 <0.000033>  
[pid 43059] 0.000182 [00007f4889f0ccf1] read(0, "N", 1) = 1 <0.000057>  
[pid 43059] 0.000144 [00007f4889f0cd94] write(4, "N", 1) = 1 <0.000030>  
[pid 43060] 0.000071 [00007f9be890ccf1] <... read resumed>"N", 1) = 1 <0.000517>  
[pid 43059] 0.000029 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000039 [00007f9be890cd94] write(1, "n", 1 <unfinished ...>  
[pid 43061] 0.000055 [00007fa67110ccf1] <... read resumed>"n", 1) = 1 <0.000530>  
[pid 43060] 0.000033 [00007f9be890cd94] <... write resumed>) = 1 <0.000073>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "n", 1 <unfinished ...>  
[pid 43060] 0.000036 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000026 [00007f4889f0ccf1] <... read resumed>"n", 1) = 1 <0.000171>  
[pid 43061] 0.000015 [00007fa67110cd94] <... write resumed>) = 1 <0.000067>  
[pid 43059] 0.000026 [00007f4889f0cd94] write(1, "n", 1 <unfinished ...>  
[pid 43061] 0.000031 [00007fa67110ccf1] read(0, n <unfinished ...>  
[pid 43059] 0.000072 [00007f4889f0cd94] <... write resumed>) = 1 <0.000090>  
[pid 43059] 0.000030 [00007f4889f0ccf1] read(0, "N", 1) = 1 <0.000021>  
[pid 43059] 0.000059 [00007f4889f0cd94] write(4, "N", 1) = 1 <0.000019>  
[pid 43060] 0.000033 [00007f9be890ccf1] <... read resumed>"N", 1) = 1 <0.000288>  
[pid 43059] 0.000022 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "n", 1) = 1 <0.000016>  
[pid 43061] 0.000031 [00007fa67110ccf1] <... read resumed>"n", 1) = 1 <0.000258>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000011 [00007fa67110cd94] write(1, "n", 1 <unfinished ...>  
[pid 43059] 0.000031 [00007f4889f0ccf1] <... read resumed>"n", 1) = 1 <0.000096>  
[pid 43061] 0.000011 [00007fa67110cd94] <... write resumed>) = 1 <0.000032>  
[pid 43059] 0.000021 [00007f4889f0cd94] write(1, "n", 1 <unfinished ...>  
n[pid 43061] 0.000012 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000016>  
[pid 43059] 0.000019 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000011>  
[pid 43059] 0.000035 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000012>  
[pid 43060] 0.000028 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000183>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000013 [00007f9be890cd94] write(1, " ", 1 <unfinished ...>  
[pid 43061] 0.000030 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000150>  
[pid 43060] 0.000013 [00007f9be890cd94] <... write resumed>) = 1 <0.000033>  
[pid 43061] 0.000011 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000092>  
[pid 43061] 0.000013 [00007fa67110cd94] <... write resumed>) = 1 <0.000036>  
[pid 43059] 0.000011 [00007f4889f0cd94] write(1, "\_", 1\_ <unfinished ...>  
[pid 43061] 0.000018 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] <... write resumed>) = 1 <0.000020>  
[pid 43059] 0.000022 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000017>  
[pid 43059] 0.000051 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000023>  
[pid 43060] 0.000048 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000186>  
[pid 43059] 0.000024 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000020 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000018>  
[pid 43061] 0.000039 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000212>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "\_", 1) = 1 <0.000016>  
[pid 43059] 0.000035 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000115>

[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000016>  
[pid 43059] 0.000043 [00007f4889f0ccf1] read(0, "", 1) = 1 <0.000012>  
[pid 43059] 0.000036 [00007f4889f0cd94] write(4, "", 1) = 1 <0.000013>  
[pid 43060] 0.000028 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000182>  
[pid 43059] 0.000014 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000013 [00007f9be890cd94] write(1, "", 1) = 1 <0.000014>  
[pid 43061] 0.000032 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000176>  
[pid 43060] 0.000014 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "\_", 1) = 1 <0.000015>  
[pid 43059] 0.000034 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000101>  
[pid 43061] 0.000015 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000015>  
[pid 43059] 0.000042 [00007f4889f0ccf1] read(0, "", 1) = 1 <0.000011>  
[pid 43059] 0.000034 [00007f4889f0cd94] write(4, "", 1) = 1 <0.000013>  
[pid 43060] 0.000027 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000176>  
[pid 43059] 0.000014 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000012 [00007f9be890cd94] write(1, "", 1) = 1 <0.000013>  
[pid 43061] 0.000030 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000171>  
[pid 43060] 0.000014 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000012 [00007fa67110cd94] write(1, "\_", 1) = 1 <0.000016>  
[pid 43059] 0.000036 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000099>  
[pid 43061] 0.000014 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000020>  
[pid 43059] 0.000054 [00007f4889f0ccf1] read(0, "", 1) = 1 <0.000016>  
[pid 43059] 0.000047 [00007f4889f0cd94] write(4, "", 1) = 1 <0.000015>  
[pid 43060] 0.000033 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000208>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000012 [00007f9be890cd94] write(1, "", 1 <unfinished ...>  
[pid 43061] 0.000028 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000197>  
[pid 43060] 0.000013 [00007f9be890cd94] <... write resumed>) = 1 <0.000033>  
[pid 43061] 0.000026 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000028 [00007fa67110cd94] <... write resumed>) = 1 <0.000031>  
[pid 43059] 0.000013 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000135>  
[pid 43061] 0.000020 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000029 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000019>  
[pid 43059] 0.000053 [00007f4889f0ccf1] read(0, "", 1) = 1 <0.000016>  
[pid 43059] 0.000055 [00007f4889f0cd94] write(4, "", 1) = 1 <0.000028>  
[pid 43060] 0.000048 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000242>  
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000048 [00007f9be890cd94] write(1, "", 1 <unfinished ...>  
[pid 43061] 0.000056 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000295>  
[pid 43060] 0.000026 [00007f9be890cd94] <... write resumed>) = 1 <0.000070>  
[pid 43061] 0.000012 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43060] 0.000039 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000027 [00007fa67110cd94] <... write resumed>) = 1 <0.000037>  
[pid 43059] 0.000018 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000217>  
[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000027>  
[pid 43059] 0.000065 [00007f4889f0ccf1] read(0, "", 1) = 1 <0.000024>  
[pid 43059] 0.000062 [00007f4889f0cd94] write(4, "", 1) = 1 <0.000030>  
[pid 43060] 0.000051 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000246>  
[pid 43059] 0.000019 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "", 1) = 1 <0.000020>  
[pid 43061] 0.000038 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000258>  
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000017 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43059] 0.000033 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000113>  
[pid 43061] 0.000016 [00007fa67110cd94] <... write resumed>) = 1 <0.000038>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "\_", 1 <unfinished ...>  
\_ [pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000016 [00007f4889f0cd94] <... write resumed>) = 1 <0.000018>

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[pid 43059] 0.000025 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000017>
[pid 43059] 0.000050 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000025>
[pid 43060] 0.000051 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000234>
[pid 43059] 0.000022 [00007f4889f0ccf1] read(5, <unfinished ...>
[pid 43060] 0.000012 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000017>
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000206>
[pid 43060] 0.000018 [00007f9be890ccf1] read(0, <unfinished ...>
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "_", 1 <unfinished ...>
[pid 43059] 0.000032 [00007f4889f0ccf1] <... read resumed>"_", 1) = 1 <0.000104>
[pid 43061] 0.000010 [00007fa67110cd94] <... write resumed>) = 1 <0.000034>
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "_", 1 <unfinished ...>
_[pid 43061] 0.000022 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000016 [00007f4889f0cd94] <... write resumed>) = 1 <0.000022>
[pid 43059] 0.000022 [00007f4889f0ccf1] read(0, "\n", 1) = 1 <0.000015>
[pid 43059] 0.000040 [00007f4889f0cd94] write(4, "\n", 1) = 1 <0.000014>
[pid 43059] 0.000040 [00007f4889f0ccf1] read(5, <unfinished ...>
[pid 43060] 0.000020 [00007f9be890ccf1] <... read resumed>"\n", 1) = 1 <0.000216>
[pid 43060] 0.000024 [00007f9be890cd94] write(1, "\n", 1) = 1 <0.000017>
[pid 43061] 0.000031 [00007fa67110ccf1] <... read resumed>"\n", 1) = 1 <0.000189>
[pid 43060] 0.000012 [00007f9be890ccf1] read(0, <unfinished ...>
[pid 43061] 0.000016 [00007fa67110cd94] write(1, "\n", 1 <unfinished ...>
[pid 43059] 0.000032 [00007f4889f0ccf1] <... read resumed>"\n", 1) = 1 <0.000128>
[pid 43061] 0.000011 [00007fa67110cd94] <... write resumed>) = 1 <0.000033>
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "\n", 1
<unfinished ...>
[pid 43061] 0.000020 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000019>
[pid 43059] 0.000020 [00007f4889f0ccf1] read(0, "f", 1) = 1 <0.000013>
[pid 43059] 0.000038 [00007f4889f0cd94] write(4, "f", 1) = 1 <0.000014>
[pid 43060] 0.000029 [00007f9be890ccf1] <... read resumed>"f", 1) = 1 <0.000191>
[pid 43059] 0.000013 [00007f4889f0ccf1] read(5, <unfinished ...>
[pid 43060] 0.000013 [00007f9be890cd94] write(1, "f", 1) = 1 <0.000016>
[pid 43061] 0.000036 [00007fa67110ccf1] <... read resumed>"f", 1) = 1 <0.000161>
[pid 43060] 0.000013 [00007f9be890ccf1] read(0, <unfinished ...>
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "f", 1 <unfinished ...>
[pid 43059] 0.000033 [00007f4889f0ccf1] <... read resumed>"f", 1) = 1 <0.000102>
[pid 43061] 0.000015 [00007fa67110cd94] <... write resumed>) = 1 <0.000038>
[pid 43059] 0.000067 [00007f4889f0cd94] write(1, "f", 1 <unfinished ...>
f[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000021 [00007f4889f0cd94] <... write resumed>) = 1 <0.000024>
[pid 43059] 0.000023 [00007f4889f0ccf1] read(0, "0", 1) = 1 <0.000016>
[pid 43059] 0.000043 [00007f4889f0cd94] write(4, "0", 1) = 1 <0.000015>
[pid 43060] 0.000033 [00007f9be890ccf1] <... read resumed>"0", 1) = 1 <0.000261>
[pid 43059] 0.000013 [00007f4889f0ccf1] read(5, <unfinished ...>
[pid 43060] 0.000013 [00007f9be890cd94] write(1, "0", 1) = 1 <0.000015>
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>"0", 1) = 1 <0.000170>
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>
[pid 43061] 0.000012 [00007fa67110cd94] write(1, "0", 1) = 1 <0.000019>
[pid 43059] 0.000039 [00007f4889f0ccf1] <... read resumed>"0", 1) = 1 <0.000111>
[pid 43061] 0.000015 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000015 [00007f4889f0cd94] write(1, "0", 10) = 1 <0.000052>
[pid 43059] 0.000081 [00007f4889f0ccf1] read(0, "x", 1) = 1 <0.000013>
[pid 43059] 0.000040 [00007f4889f0cd94] write(4, "x", 1) = 1 <0.000031>
[pid 43060] 0.000050 [00007f9be890ccf1] <... read resumed>"x", 1) = 1 <0.000248>
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "x", 1) = 1 <0.000016>
[pid 43061] 0.000032 [00007fa67110ccf1] <... read resumed>"x", 1) = 1 <0.000248>
[pid 43060] 0.000018 [00007f9be890ccf1] read(0, <unfinished ...>
[pid 43061] 0.000016 [00007fa67110cd94] write(1, "x", 1) = 1 <0.000014>
[pid 43059] 0.000031 [00007f4889f0ccf1] <... read resumed>"x", 1) = 1 <0.000107>
[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000016 [00007f4889f0cd94] write(1, "x", 1x) = 1 <0.000016>
[pid 43059] 0.000041 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000014>
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[pid 43059] 0.000039 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000019>  
[pid 43060] 0.000033 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000187>  
[pid 43059] 0.000017 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000014>  
[pid 43061] 0.000032 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000187>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43059] 0.000042 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000110>  
[pid 43061] 0.000024 [00007fa67110cd94] <... write resumed>) = 1 <0.000056>  
[pid 43059] 0.000011 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000014>  
[pid 43061] 0.000044 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000024 [00007f4889f0ccf1] read(0, "j", 1) = 1 <0.000013>  
[pid 43059] 0.000043 [00007f4889f0cd94] write(4, "j", 1) = 1 <0.000013>  
[pid 43059] 0.000055 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000046 [00007f9be890ccf1] <... read resumed>"j", 1) = 1 <0.000296>  
[pid 43060] 0.000030 [00007f9be890cd94] write(1, "j", 1 <unfinished ...>  
[pid 43061] 0.000339 [00007fa67110ccf1] <... read resumed>"j", 1) = 1 <0.000514>  
[pid 43060] 0.000035 [00007f9be890cd94] <... write resumed>) = 1 <0.000361>  
[pid 43061] 0.000024 [00007fa67110cd94] write(1, "j", 1) = 1 <0.000028>  
[pid 43060] 0.000059 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000011 [00007f4889f0ccf1] <... read resumed>"j", 1) = 1 <0.000531>  
[pid 43061] 0.000025 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000021 [00007f4889f0cd94] write(1, "j", 1j) = 1 <0.000023>  
[pid 43059] 0.000088 [00007f4889f0ccf1] read(0, "u", 1) = 1 <0.000020>  
[pid 43059] 0.000060 [00007f4889f0cd94] write(4, "u", 1) = 1 <0.000019>  
[pid 43060] 0.000045 [00007f9be890ccf1] <... read resumed>"u", 1) = 1 <0.000243>  
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000013 [00007f9be890cd94] write(1, "u", 1) = 1 <0.000021>  
[pid 43061] 0.000041 [00007fa67110ccf1] <... read resumed>"u", 1) = 1 <0.000277>  
[pid 43060] 0.000020 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000017 [00007fa67110cd94] write(1, "u", 1) = 1 <0.000019>  
[pid 43059] 0.000038 [00007f4889f0ccf1] <... read resumed>"u", 1) = 1 <0.000124>  
[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "u", 1u) = 1 <0.000023>  
[pid 43059] 0.000057 [00007f4889f0ccf1] read(0, "m", 1) = 1 <0.000015>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(4, "m", 1) = 1 <0.000018>  
[pid 43060] 0.000037 [00007f9be890ccf1] <... read resumed>"m", 1) = 1 <0.000223>  
[pid 43059] 0.000019 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "m", 1) = 1 <0.000018>  
[pid 43061] 0.000037 [00007fa67110ccf1] <... read resumed>"m", 1) = 1 <0.000225>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000018 [00007fa67110cd94] write(1, "m", 1) = 1 <0.000021>  
[pid 43059] 0.000041 [00007f4889f0ccf1] <... read resumed>"m", 1) = 1 <0.000124>  
[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "m", 1m) = 1 <0.000018>  
[pid 43059] 0.000052 [00007f4889f0ccf1] read(0, "p", 1) = 1 <0.000015>  
[pid 43059] 0.000050 [00007f4889f0cd94] write(4, "p", 1) = 1 <0.000018>  
[pid 43060] 0.000039 [00007f9be890ccf1] <... read resumed>"p", 1) = 1 <0.000223>  
[pid 43059] 0.000020 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "p", 1) = 1 <0.000018>  
[pid 43061] 0.000037 [00007fa67110ccf1] <... read resumed>"p", 1) = 1 <0.000221>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000016 [00007fa67110cd94] write(1, "p", 1) = 1 <0.000021>  
[pid 43059] 0.000041 [00007f4889f0ccf1] <... read resumed>"p", 1) = 1 <0.000121>  
[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "p", 1p) = 1 <0.000024>  
[pid 43059] 0.000059 [00007f4889f0ccf1] read(0, "s", 1) = 1 <0.000018>  
[pid 43059] 0.000053 [00007f4889f0cd94] write(4, "s", 1) = 1 <0.000018>  
[pid 43060] 0.000038 [00007f9be890ccf1] <... read resumed>"s", 1) = 1 <0.000232>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "s", 1) = 1 <0.000023>  
[pid 43061] 0.000044 [00007fa67110ccf1] <... read resumed>"s", 1) = 1 <0.000234>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>

[pid 43061] 0.000014 [00007fa67110cd94] write(1, "s", 1) = 1 <0.000018>  
[pid 43059] 0.000039 [00007f4889f0ccf1] <... read resumed>"s", 1) = 1 <0.000122>  
[pid 43061] 0.000018 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] write(1, "s", 1s) = 1 <0.000020>  
[pid 43059] 0.000053 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000017>  
[pid 43059] 0.000052 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000018>  
[pid 43060] 0.000038 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000223>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000017 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000019>  
[pid 43061] 0.000038 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000222>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43059] 0.000033 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000109>  
[pid 43061] 0.000014 [00007fa67110cd94] <... write resumed>) = 1 <0.000037>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] <... write resumed>) = 1 <0.000018>  
[pid 43059] 0.000023 [00007f4889f0ccf1] read(0, ".", 1) = 1 <0.000015>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(4, ".", 1) = 1 <0.000017>  
[pid 43060] 0.000037 [00007f9be890ccf1] <... read resumed>".", 1) = 1 <0.000210>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, ".", 1) = 1 <0.000027>  
[pid 43061] 0.000055 [00007fa67110ccf1] <... read resumed>".", 1) = 1 <0.000205>  
[pid 43060] 0.000023 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, ".", 1 <unfinished ...>  
[pid 43059] 0.000041 [00007f4889f0ccf1] <... read resumed>".", 1) = 1 <0.000138>  
[pid 43061] 0.000020 [00007fa67110cd94] <... write resumed>) = 1 <0.000050>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, ".", 1 <unfinished ...>  
[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] <... write resumed>) = 1 <0.000017>  
[pid 43059] 0.000023 [00007f4889f0ccf1] read(0, "O", 1) = 1 <0.000017>  
[pid 43059] 0.000050 [00007f4889f0cd94] write(4, "O", 1) = 1 <0.000016>  
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"O", 1) = 1 <0.000224>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000013 [00007f9be890cd94] write(1, "o", 1) = 1 <0.000017>  
[pid 43061] 0.000038 [00007fa67110ccf1] <... read resumed>"o", 1) = 1 <0.000184>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000028 [00007fa67110cd94] write(1, "o", 1) = 1 <0.000021>  
[pid 43059] 0.000041 [00007f4889f0ccf1] <... read resumed>"o", 1) = 1 <0.000131>  
[pid 43061] 0.000015 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "o", 1o) = 1 <0.000019>  
[pid 43059] 0.000052 [00007f4889f0ccf1] read(0, "v", 1) = 1 <0.000016>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(4, "v", 1) = 1 <0.000018>  
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"v", 1) = 1 <0.000229>  
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "v", 1) = 1 <0.000018>  
[pid 43061] 0.000036 [00007fa67110ccf1] <... read resumed>"v", 1) = 1 <0.000215>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "v", 1) = 1 <0.000018>  
[pid 43059] 0.000036 [00007f4889f0ccf1] <... read resumed>"v", 1) = 1 <0.000111>  
[pid 43061] 0.000018 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000017 [00007f4889f0cd94] write(1, "v", 1v) = 1 <0.000019>  
[pid 43059] 0.000051 [00007f4889f0ccf1] read(0, "E", 1) = 1 <0.000017>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(4, "E", 1) = 1 <0.000019>  
[pid 43060] 0.000037 [00007f9be890ccf1] <... read resumed>"E", 1) = 1 <0.000216>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000013 [00007f9be890cd94] write(1, "e", 1) = 1 <0.000017>  
[pid 43061] 0.000035 [00007fa67110ccf1] <... read resumed>"e", 1) = 1 <0.000213>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "e", 1) = 1 <0.000021>  
[pid 43059] 0.000041 [00007f4889f0ccf1] <... read resumed>"e", 1) = 1 <0.000114>  
[pid 43061] 0.000015 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "e", 1e) = 1 <0.000017>

[pid 43059] 0.000050 [00007f4889f0ccf1] read(0, "r", 1) = 1 <0.000016>  
[pid 43059] 0.000048 [00007f4889f0cd94] write(4, "r", 1) = 1 <0.000017>  
[pid 43060] 0.000037 [00007f9be890ccf1] <... read resumed>"r", 1) = 1 <0.000214>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "r", 1) = 1 <0.000018>  
[pid 43061] 0.000037 [00007fa67110ccf1] <... read resumed>"r", 1) = 1 <0.000212>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "r", 1) = 1 <0.000023>  
[pid 43059] 0.000044 [00007f4889f0ccf1] <... read resumed>"r", 1) = 1 <0.000119>  
[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000020 [00007f4889f0cd94] write(1, "r", 1r) = 1 <0.000027>  
[pid 43059] 0.000217 [00007f4889f0ccf1] read(0, ".", 1) = 1 <0.000274>  
[pid 43059] 0.000342 [00007f4889f0cd94] write(4, ".", 1) = 1 <0.000017>  
[pid 43060] 0.000042 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000690>  
[pid 43059] 0.000017 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000020 [00007f9be890cd94] write(1, ".", 1) = 1 <0.000023>  
[pid 43061] 0.000048 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000700>  
[pid 43060] 0.000020 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, ".", 1 <unfinished ...>  
[pid 43059] 0.000049 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000130>  
[pid 43061] 0.000028 [00007fa67110cd94] <... write resumed>) = 1 <0.000067>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, ".", 1 <unfinished ...>  
[pid 43061] 0.000020 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000017 [00007f4889f0cd94] <... write resumed>) = 1 <0.000021>  
[pid 43059] 0.000029 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000016>  
[pid 43059] 0.000052 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000022>  
[pid 43060] 0.000050 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000267>  
[pid 43059] 0.000023 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000020>  
[pid 43061] 0.000041 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000223>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000020 [00007fa67110cd94] write(1, "\_", 1) = 1 <0.000025>  
[pid 43059] 0.000049 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000137>  
[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000018 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000028>  
[pid 43059] 0.000067 [00007f4889f0ccf1] read(0, "t", 1) = 1 <0.000015>  
[pid 43059] 0.000050 [00007f4889f0cd94] write(4, "t", 1) = 1 <0.000017>  
[pid 43060] 0.000037 [00007f9be890ccf1] <... read resumed>"t", 1) = 1 <0.000253>  
[pid 43059] 0.000020 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "t", 1) = 1 <0.000018>  
[pid 43061] 0.000038 [00007fa67110ccf1] <... read resumed>"t", 1) = 1 <0.000240>  
[pid 43060] 0.000016 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000018 [00007fa67110cd94] write(1, "t", 1 <unfinished ...>  
[pid 43059] 0.000035 [00007f4889f0ccf1] <... read resumed>"t", 1) = 1 <0.000113>  
[pid 43061] 0.000014 [00007fa67110cd94] <... write resumed>) = 1 <0.000038>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "t", 1 <unfinished ...>  
[pid 43061] 0.000022 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000016 [00007f4889f0cd94] <... write resumed>) = 1 <0.000024>  
[pid 43059] 0.000027 [00007f4889f0ccf1] read(0, "h", 1) = 1 <0.000015>  
[pid 43059] 0.000050 [00007f4889f0cd94] write(4, "h", 1) = 1 <0.000017>  
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"h", 1) = 1 <0.000228>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "h", 1 <unfinished ...>  
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>"h", 1) = 1 <0.000183>  
[pid 43060] 0.000014 [00007f9be890cd94] <... write resumed>) = 1 <0.000038>  
[pid 43061] 0.000012 [00007fa67110cd94] write(1, "h", 1 <unfinished ...>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000022 [00007f4889f0ccf1] <... read resumed>"h", 1) = 1 <0.000100>  
[pid 43061] 0.000014 [00007fa67110cd94] <... write resumed>) = 1 <0.000042>  
[pid 43059] 0.000015 [00007f4889f0cd94] write(1, "h", 1 <unfinished ...>  
[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000016 [00007f4889f0cd94] <... write resumed>) = 1 <0.000019>  
[pid 43059] 0.000026 [00007f4889f0ccf1] read(0, "e", 1) = 1 <0.000017>

[pid 43059] 0.000054 [00007f4889f0cd94] write(4, "e", 1) = 1 <0.000019>  
[pid 43060] 0.000039 [00007f9be890ccf1] <... read resumed>"e", 1) = 1 <0.000201>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "e", 1 <unfinished ...>  
[pid 43061] 0.000036 [00007fa67110ccf1] <... read resumed>"e", 1) = 1 <0.000192>  
[pid 43060] 0.000015 [00007f9be890cd94] <... write resumed>) = 1 <0.000040>  
[pid 43061] 0.000012 [00007fa67110cd94] write(1, "e", 1 <unfinished ...>  
[pid 43060] 0.000017 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000019 [00007f4889f0ccf1] <... read resumed>"e", 1) = 1 <0.000105>  
[pid 43061] 0.000014 [00007fa67110cd94] <... write resumed>) = 1 <0.000040>  
[pid 43059] 0.000013 [00007f4889f0cd94] write(1, "e", 1 <unfinished ...>  
e[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000018>  
[pid 43059] 0.000026 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000016>  
[pid 43059] 0.000052 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000017>  
[pid 43060] 0.000040 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000192>  
[pid 43059] 0.000017 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, " ", 1 <unfinished ...>  
[pid 43061] 0.000034 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000189>  
[pid 43060] 0.000016 [00007f9be890cd94] <... write resumed>) = 1 <0.000039>  
[pid 43061] 0.000011 [00007fa67110cd94] write(1, "\_", 1 <unfinished ...>  
[pid 43060] 0.000018 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000017 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000102>  
[pid 43061] 0.000014 [00007fa67110cd94] <... write resumed>) = 1 <0.000038>  
[pid 43059] 0.000011 [00007f4889f0cd94] write(1, "\_", 1 <unfinished ...>  
\_[pid 43061] 0.000020 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000016 [00007f4889f0cd94] <... write resumed>) = 1 <0.000020>  
[pid 43059] 0.000026 [00007f4889f0ccf1] read(0, "l", 1) = 1 <0.000015>  
[pid 43059] 0.000050 [00007f4889f0cd94] write(4, "l", 1) = 1 <0.000017>  
[pid 43060] 0.000038 [00007f9be890ccf1] <... read resumed>"l", 1) = 1 <0.000188>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000015 [00007f9be890cd94] write(1, "l", 1) = 1 <0.000022>  
[pid 43061] 0.000041 [00007fa67110ccf1] <... read resumed>"l", 1) = 1 <0.000196>  
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "l", 1) = 1 <0.000022>  
[pid 43059] 0.000046 [00007f4889f0ccf1] <... read resumed>"l", 1) = 1 <0.000130>  
[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "l", 1l) = 1 <0.000021>  
[pid 43059] 0.000056 [00007f4889f0ccf1] read(0, "@", 1) = 1 <0.000018>  
[pid 43059] 0.000054 [00007f4889f0cd94] write(4, "@", 1) = 1 <0.000018>  
[pid 43060] 0.000039 [00007f9be890ccf1] <... read resumed>"@", 1) = 1 <0.000235>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000028 [00007f9be890cd94] write(1, "@", 1) = 1 <0.000018>  
[pid 43061] 0.000041 [00007fa67110ccf1] <... read resumed>"@", 1) = 1 <0.000244>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "@", 1 <unfinished ...>  
[pid 43059] 0.000035 [00007f4889f0ccf1] <... read resumed>"@", 1) = 1 <0.000124>  
[pid 43061] 0.000017 [00007fa67110cd94] <... write resumed>) = 1 <0.000041>  
[pid 43059] 0.000015 [00007f4889f0cd94] write(1, "@", 1 <unfinished ...>  
@[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000019>  
[pid 43059] 0.000027 [00007f4889f0ccf1] read(0, "z", 1) = 1 <0.000018>  
[pid 43059] 0.000054 [00007f4889f0cd94] write(4, "z", 1) = 1 <0.000019>  
[pid 43060] 0.000040 [00007f9be890ccf1] <... read resumed>"z", 1) = 1 <0.000233>  
[pid 43059] 0.000021 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "z", 1 <unfinished ...>  
[pid 43061] 0.000046 [00007fa67110ccf1] <... read resumed>"z", 1) = 1 <0.000210>  
[pid 43060] 0.000015 [00007f9be890cd94] <... write resumed>) = 1 <0.000050>  
[pid 43061] 0.000015 [00007fa67110cd94] write(1, "z", 1 <unfinished ...>  
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000018 [00007f4889f0ccf1] <... read resumed>"z", 1) = 1 <0.000121>  
[pid 43061] 0.000015 [00007fa67110cd94] <... write resumed>) = 1 <0.000041>  
[pid 43059] 0.000011 [00007f4889f0cd94] write(1, "z", 1 <unfinished ...>

z[pid 43061] 0.000018 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000014 [00007f4889f0cd94] <... write resumed>) = 1 <0.000018>  
[pid 43059] 0.000026 [00007f4889f0ccf1] read(0, "y", 1) = 1 <0.000018>  
[pid 43059] 0.000053 [00007f4889f0cd94] write(4, "y", 1) = 1 <0.000019>  
[pid 43060] 0.000039 [00007f9be890ccf1] <... read resumed>"y", 1) = 1 <0.000190>  
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000017 [00007f9be890cd94] write(1, "y", 1 <unfinished ...>  
[pid 43061] 0.000049 [00007fa67110ccf1] <... read resumed>"y", 1) = 1 <0.000199>  
[pid 43060] 0.000018 [00007f9be890cd94] <... write resumed>) = 1 <0.000057>  
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "y", 1 <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000016 [00007fa67110cd94] <... write resumed>) = 1 <0.000018>  
[pid 43059] 0.000013 [00007f4889f0ccf1] <... read resumed>"y", 1) = 1 <0.000137>  
[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "y", 1y) = 1 <0.000019>  
[pid 43059] 0.000051 [00007f4889f0ccf1] read(0, " ", 1) = 1 <0.000016>  
[pid 43059] 0.000048 [00007f4889f0cd94] write(4, " ", 1) = 1 <0.000028>  
[pid 43060] 0.000047 [00007f9be890ccf1] <... read resumed>" ", 1) = 1 <0.000200>  
[pid 43059] 0.000016 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000021 [00007f9be890cd94] write(1, " ", 1) = 1 <0.000019>  
[pid 43061] 0.000037 [00007fa67110ccf1] <... read resumed>" ", 1) = 1 <0.000229>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "\_", 1) = 1 <0.000021>  
[pid 43059] 0.000042 [00007f4889f0ccf1] <... read resumed>"\_", 1) = 1 <0.000121>  
[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] write(1, "\_", 1\_) = 1 <0.000020>  
[pid 43059] 0.000053 [00007f4889f0ccf1] read(0, "\"", 1) = 1 <0.000017>  
[pid 43059] 0.000049 [00007f4889f0cd94] write(4, "\"", 1) = 1 <0.000017>  
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"\"", 1) = 1 <0.000221>  
[pid 43059] 0.000015 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "\"", 1) = 1 <0.000017>  
[pid 43061] 0.000035 [00007fa67110ccf1] <... read resumed>"\"", 1) = 1 <0.000215>  
[pid 43060] 0.000015 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "\"", 1 <unfinished ...>  
[pid 43059] 0.000052 [00007f4889f0ccf1] <... read resumed>"\"", 1) = 1 <0.000113>  
[pid 43061] 0.000026 [00007fa67110cd94] <... write resumed>) = 1 <0.000068>  
[pid 43059] 0.000017 [00007f4889f0cd94] write(1, "\"", 1 <unfinished ...>  
[pid 43061] 0.000020 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000016 [00007f4889f0cd94] <... write resumed>) = 1 <0.000021>  
[pid 43059] 0.000025 [00007f4889f0ccf1] read(0, "\"", 1) = 1 <0.000017>  
[pid 43059] 0.000052 [00007f4889f0cd94] write(4, "\"", 1) = 1 <0.000017>  
[pid 43060] 0.000038 [00007f9be890ccf1] <... read resumed>"\"", 1) = 1 <0.000257>  
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "\"", 1 <unfinished ...>  
[pid 43061] 0.000049 [00007fa67110ccf1] <... read resumed>"\"", 1) = 1 <0.000202>  
[pid 43060] 0.000015 [00007f9be890cd94] <... write resumed>) = 1 <0.000054>  
[pid 43061] 0.000022 [00007fa67110cd94] write(1, "\"", 1 <unfinished ...>  
[pid 43060] 0.000022 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000032 [00007fa67110cd94] <... write resumed>) = 1 <0.000026>  
[pid 43059] 0.000017 [00007f4889f0ccf1] <... read resumed>"\"", 1) = 1 <0.000166>  
[pid 43061] 0.000016 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000031 [00007f4889f0cd94] write(1, "\"", 1") = 1 <0.000025>  
[pid 43059] 0.000073 [00007f4889f0ccf1] read(0, "\"", 1) = 1 <0.000018>  
[pid 43059] 0.000054 [00007f4889f0cd94] write(4, "\"", 1) = 1 <0.000030>  
[pid 43060] 0.000050 [00007f9be890ccf1] <... read resumed>"\"", 1) = 1 <0.000270>  
[pid 43059] 0.000029 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000011 [00007f9be890cd94] write(1, "\"", 1 <unfinished ...>  
[pid 43061] 0.000065 [00007fa67110ccf1] <... read resumed>"\"", 1) = 1 <0.000294>  
[pid 43060] 0.000022 [00007f9be890cd94] <... write resumed>) = 1 <0.000073>  
[pid 43061] 0.000014 [00007fa67110cd94] write(1, "\"", 1 <unfinished ...>  
[pid 43060] 0.000033 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000020 [00007f4889f0ccf1] <... read resumed>"\"", 1) = 1 <0.000154>  
[pid 43061] 0.000014 [00007fa67110cd94] <... write resumed>) = 1 <0.000056>



[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "\", 1 <unfinished ...>  
"[pid 43061] 0.000017 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000021 [00007f4889f0cd94] <... write resumed>) = 1 <0.000022>  
[pid 43059] 0.000028 [00007f4889f0ccf1] read(0, "d", 1) = 1 <0.000015>  
[pid 43059] 0.000053 [00007f4889f0cd94] write(4, "d", 1) = 1 <0.000197>  
[pid 43060] 0.000236 [00007f9be890ccf1] <... read resumed>"d", 1) = 1 <0.000395>  
[pid 43060] 0.000039 [00007f9be890cd94] write(1, "d", 1 <unfinished ...>  
[pid 43061] 0.000045 [00007fa67110ccf1] <... read resumed>"d", 1) = 1 <0.000409>  
[pid 43060] 0.000022 [00007f9be890cd94] <... write resumed>) = 1 <0.000054>  
[pid 43061] 0.000019 [00007fa67110cd94] write(1, "d", 1 <unfinished ...>  
[pid 43060] 0.000024 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000021 [00007fa67110cd94] <... write resumed>) = 1 <0.000027>  
[pid 43061] 0.000031 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000406 [00007f4889f0ccf1] read(5, "d", 1) = 1 <0.000017>  
[pid 43059] 0.000061 [00007f4889f0cd94] write(1, "d", 1d) = 1 <0.000041>  
[pid 43059] 0.000110 [00007f4889f0ccf1] read(0, "o", 1) = 1 <0.000268>  
[pid 43059] 0.000501 [00007f4889f0cd94] write(4, "o", 1) = 1 <0.000025>  
[pid 43059] 0.000093 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000027 [00007f9be890ccf1] <... read resumed>"o", 1) = 1 <0.001238>  
[pid 43060] 0.000037 [00007f9be890cd94] write(1, "o", 1) = 1 <0.000026>  
[pid 43061] 0.000078 [00007fa67110ccf1] <... read resumed>"o", 1) = 1 <0.001310>  
[pid 43060] 0.000018 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000025 [00007fa67110cd94] write(1, "o", 1 <unfinished ...>  
[pid 43059] 0.000112 [00007f4889f0ccf1] <... read resumed>"o", 1) = 1 <0.000265>  
[pid 43061] 0.000026 [00007fa67110cd94] <... write resumed>) = 1 <0.000126>  
[pid 43059] 0.000019 [00007f4889f0cd94] write(1, "o", 1 <unfinished ...>  
o[pid 43061] 0.000021 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000023 [00007f4889f0cd94] <... write resumed>) = 1 <0.000027>  
[pid 43059] 0.000040 [00007f4889f0ccf1] read(0, "g", 1) = 1 <0.000045>  
[pid 43059] 0.000100 [00007f4889f0cd94] write(4, "g", 1) = 1 <0.000022>  
[pid 43060] 0.000058 [00007f9be890ccf1] <... read resumed>"g", 1) = 1 <0.000416>  
[pid 43059] 0.000022 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000048 [00007f9be890cd94] write(1, "g", 1) = 1 <0.000021>  
[pid 43061] 0.000056 [00007fa67110ccf1] <... read resumed>"g", 1) = 1 <0.000338>  
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000026 [00007fa67110cd94] write(1, "g", 1) = 1 <0.000023>  
[pid 43059] 0.000060 [00007f4889f0ccf1] <... read resumed>"g", 1) = 1 <0.000205>  
[pid 43061] 0.000020 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000026 [00007f4889f0cd94] write(1, "g", 1g) = 1 <0.000029>  
[pid 43059] 0.000067 [00007f4889f0ccf1] read(0, "\", 1) = 1 <0.000018>  
[pid 43059] 0.000055 [00007f4889f0cd94] write(4, "\", 1) = 1 <0.000020>  
[pid 43059] 0.000054 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000012 [00007f9be890ccf1] <... read resumed>"\", 1) = 1 <0.000313>  
[pid 43060] 0.000032 [00007f9be890cd94] write(1, "\", 1) = 1 <0.000019>  
[pid 43061] 0.000056 [00007fa67110ccf1] <... read resumed>"\", 1) = 1 <0.000296>  
[pid 43061] 0.000043 [00007fa67110cd94] write(1, "\", 1 <unfinished ...>  
[pid 43060] 0.000031 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000022 [00007f4889f0ccf1] <... read resumed>"\", 1) = 1 <0.000187>  
[pid 43061] 0.000018 [00007fa67110cd94] <... write resumed>) = 1 <0.000049>  
[pid 43059] 0.000012 [00007f4889f0cd94] write(1, "\", 1" <unfinished ...>  
[pid 43061] 0.000021 [00007fa67110ccf1] read(0, <unfinished ...>  
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000020>  
[pid 43059] 0.000029 [00007f4889f0ccf1] read(0, "\", 1) = 1 <0.000018>  
[pid 43059] 0.000054 [00007f4889f0cd94] write(4, "\", 1) = 1 <0.000018>  
[pid 43060] 0.000038 [00007f9be890ccf1] <... read resumed>"\", 1) = 1 <0.000202>  
[pid 43059] 0.000020 [00007f4889f0ccf1] read(5, <unfinished ...>  
[pid 43060] 0.000016 [00007f9be890cd94] write(1, "\", 1) = 1 <0.000018>  
[pid 43061] 0.000045 [00007fa67110ccf1] <... read resumed>"\", 1) = 1 <0.000212>  
[pid 43060] 0.000022 [00007f9be890ccf1] read(0, <unfinished ...>  
[pid 43061] 0.000016 [00007fa67110cd94] write(1, "\", 1 <unfinished ...>  
[pid 43059] 0.000034 [00007f4889f0ccf1] <... read resumed>"\", 1) = 1 <0.000124>  
[pid 43061] 0.000016 [00007fa67110cd94] <... write resumed>) = 1 <0.000040>  
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "\", 1 <unfinished ...>

```

"[pid 43061] 0.000019 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000015 [00007f4889f0cd94] <... write resumed>) = 1 <0.000018>
[pid 43059] 0.000025 [00007f4889f0ccf1] read(0, "", 1) = 1 <0.000016>
[pid 43059] 0.000051 [00007f4889f0cd94] write(4, "", 1) = 1 <0.000018>
[pid 43060] 0.000036 [00007f9be890ccf1] <... read resumed>"", 1) = 1 <0.000223>
[pid 43059] 0.000018 [00007f4889f0ccf1] read(5, <unfinished ...>
[pid 43060] 0.000014 [00007f9be890cd94] write(1, "", 1 <unfinished ...>
[pid 43061] 0.000030 [00007fa67110ccf1] <... read resumed>"", 1) = 1 <0.000180>
[pid 43060] 0.000015 [00007f9be890cd94] <... write resumed>) = 1 <0.000035>
[pid 43061] 0.000013 [00007fa67110cd94] write(1, "", 1 <unfinished ...>
[pid 43060] 0.000019 [00007f9be890ccf1] read(0, <unfinished ...>
[pid 43059] 0.000018 [00007f4889f0ccf1] <... read resumed>"", 1) = 1 <0.000100>
[pid 43061] 0.000015 [00007fa67110cd94] <... write resumed>) = 1 <0.000041>
[pid 43059] 0.000014 [00007f4889f0cd94] write(1, "", 1 <unfinished ...>
[pid 43061] 0.000024 [00007fa67110ccf1] read(0, <unfinished ...>
[pid 43059] 0.000014 [00007f4889f0cd94] <... write resumed>) = 1 <0.000024>
[pid 43059] 0.000022 [00007f4889f0ccf1] read(0, "", 1) = 0 <0.000013>
[pid 43059] 0.000043 [00007f4889f0d454] close(4) = 0 <0.000018>
[pid 43060] 0.000035 [00007f9be890ccf1] <... read resumed>"", 1) = 0 <0.000180>
[pid 43059] 0.000015 [00007f4889f0d454] close(5) = 0 <0.000019>
[pid 43060] 0.000035 [00007f9be88e2df1] exit_group(0 <unfinished ...>
[pid 43059] 0.000014 [00007f4889f0d454] close(8 <unfinished ...>
[pid 43060] 0.000013 [00007f9be88e2df1] <... exit_group resumed>) = ?
[pid 43059] 0.000012 [00007f4889f0d454] <... close resumed>) = 0 <0.000019>
[pid 43059] 0.000025 [00007f4889f0d454] close(7) = 0 <0.000015>
[pid 43059] 0.000044 [00007f4889ee25a7] wait4(-1, <unfinished ...>
[pid 43061] 0.000058 [00007fa67110ccf1] <... read resumed>"", 1) = 0 <0.000321>
[pid 43060] 0.000018 [????????????????] +++ exited with 0 +++
[pid 43059] 0.000026 [00007f4889ee25a7] <... wait4 resumed>NULL, 0, NULL) = 43060 <0.000094>
[pid 43061] 0.000014 [00007fa6710e2df1] exit_group(0 <unfinished ...>
[pid 43059] 0.000015 [00007f4889ee25a7] --- SIGCHLD {si_signo=SIGCHLD, si_code=CLD_EXITED,
si_pid=43060, si_uid=1000, si_status=0, si_utime=0, si_stime=0} ---
[pid 43061] 0.000020 [00007fa6710e2df1] <... exit_group resumed>) = ?
[pid 43059] 0.000040 [00007f4889ee2df1] exit_group(0) = ?
[pid 43061] 0.000144 [????????????????] +++ exited with 0 +++
0.000027 [????????????????] +++ exited with 0 +++

```

## Вывод

В данной лабораторной работе я познакомился с инструментом strace, являющийся крайне необходимым при отладке программ. С помощью приобретенных знаний я отладил программу на языке СИ. Данный инструмент показал себя как очень мощное средство отладки программ, с помощью которого можно получить огромный объем информации о системных вызовах. Полученные практические навыки помогут в будущем.