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CPU	ID	FUNCTION:NAME
5	475325	pthread_mutex_lock:entry
5	475333	pthread_self:entry
5	475334	pthread_mach_thread_np:entry
5	475326	pthread_mutex_unlock:entry
5	475325	pthread_mutex_lock:entry
5	475326	pthread_mutex_unlock:entry
5	475325	pthread_mutex_lock:entry
5	475326	pthread_mutex_unlock:entry
5	475513	stat:entry
5	475517	stat64:entry
5	475517	stat64:entry
5	475313	malloc:entry
5	475315	free:entry
5	475313	malloc:entry
5	475315	free:entry
5	475325	pthread_mutex_lock:entry
5	475326	pthread_mutex_unlock:entry
5	475330	pthread_mutex_destroy:entry
5	475315	free:entry
5	475315	free:entry
5	475315	free:entry

```
std::uintmax_t get_file_size()
{
    std::filesystem::path awk_path ("/usr/bin/awk");
    std::uintmax_t file_size
        = std::filesystem::file_size (awk_path);
    return file_size;
}
```

```
void do_malloc_free()
{
    auto m = malloc (1024);
    free (m);
}
```

```
void do_vector_reserve()
{
    std::vector<int> v;
    v.reserve (42);
}
```

```
void do_mutex_lock_unlock (std::mutex& m)
{
    std::unique_lock l (m);
}
```



































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```
std::uintmax_t get_file_size()
{
    std::filesystem::path awk_path ("/usr/bin/awk");
    std::uintmax_t file_size
        = std::filesystem::file_size (awk_path);
    return file_size;
}

void do_malloc_free()
{
    auto m = malloc (1024);
    free (m);
}

void do_vector_reserve()
{
    std::vector<int> v;
    v.reserve (42);
}

void do_mutex_lock_unlock (std::mutex& m)
{
    std::unique_lock l (m);
}
```

```
sudo dtrace -c $BUILD_DIR/example -s rt_check.d
```

rt\_check.d

```
pid$target::syscall:entry,
```

```
pid$target::malloc:entry,  
pid$target::free:entry,
```

```
pid$target::pthread_*:entry,
```

```
pid$target::stat*:entry,  
pid$target::stat64*:entry,  
pid$target::fstat*:entry,  
pid$target::fstat64*:entry,  
pid$target::*write*:entry,  
pid$target::read*:entry
```

```
/curthread->sched_pri>=47/  
{  
    ustack();  
}
```