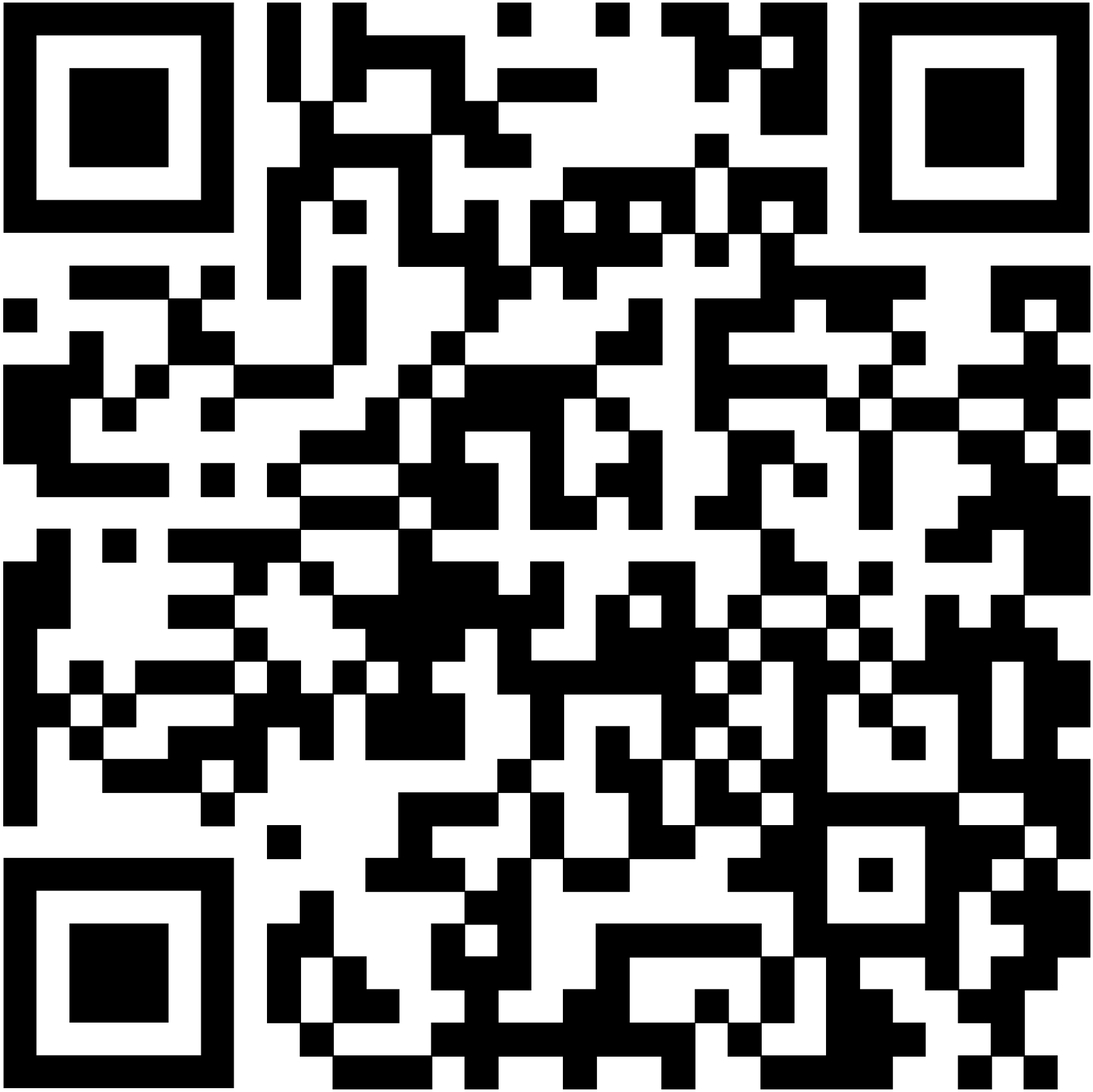
Actors

```
class person
{
public:
    std::string get_first_name() const
    {
        auto sender = stdexec::then (stdexec::schedule (get_scheduler()),
                                     [this] { return person.get_first_name(); });
        auto [ret] = stdexec::sync_wait (sender).value();
        return ret;
    }

    void set_first_name (std::string new_first)
    {
        auto sender = stdexec::then (stdexec::schedule (get_scheduler()),
                                     [this, =] { return person.set_first_name (new_first); });
        stdexec::sync_wait (sender);
    }

private:
    mutable __person person;
};
```



```
auto get_scheduler()
{
    static exec::static_thread_pool pool(1);
    return pool.get_scheduler();
}
```

Actors

```
auto get_scheduler()
{
    static exec::static_thread_pool pool(1);
    return pool.get_scheduler();
}
```

```
class person
{
public:
    std::string get_first_name() const
    {
        auto sender = stdexec::then (stdexec::schedule (get_scheduler()),
                                     [this] { return person.get_first_name(); });
        auto [ret] = stdexec::sync_wait (sender).value();
        return ret;
    }

    void set_first_name (std::string new_first)
    {
        auto sender = stdexec::then (stdexec::schedule (get_scheduler()),
                                     [this, =] { return person.set_first_name (new_first); });
        stdexec::sync_wait (sender);
    }

private:
    mutable __person person;
};
```

Actors

```
std::println ("\t\t\t\tmain tid: {}", std::this_thread::get_id());

person p;
std::println ("Name: {}", p.get_first_name());

std::thread t ([&]
{
    std::println ("\t\t\t\thread tid: {}", std::this_thread::get_id());

    p.set_first_name ("Dave");
    std::println ("Name: {}", p.get_first_name());
}
t.join();
```

```
                main tid:    134711587358592
                get tid:     134711584224832
Name:
                thread tid: 126536174790208
                set tid:     134711584224832
                get tid:     134711584224832
Name: Dave
```