

```
bool threadRunning;

bool proveFermatsLastTheorem() // Thread 1 {

    return false;

}

void testTheorem () {
    bool result;
    startThread ([] () (result = proveFermatsLastTheorem));
    Sleep (2000);
    threadRunning = false;
    std::cout << result << std::endl;
}
```

With data-races branches of your code
can be executed which seem impossible
to reach!

```
bool threadRunning;

bool proveFermatsLastTheorem() // Thread 1 {
    threadRunning = true;
    for (int n = 3; threadRunning; ++n) {
        if (pow(x, n) + pow(y, n) == pow(z, n)) {
            return false;
        }
    }

    return true;
}

void testTheorem () {
    bool result;
    startThread ([] () (result = proveFermatsLastTheorem));
    Sleep (2000);
    threadRunning = false;
    std::cout << result << std::endl;
}
```