

----- ATOMICITY VIOLATION! -----

```
void g(void) {  
    f1();  
    pthread_mutex_lock(&lock);  
    f2();  
    f3();  
    pthread_mutex_unlock(&lock);  
    f4();  
}
```

summary: { (f2 f3) }

```
void h(void) {  
    f1();  
    f2();  
    f3();  
    f4();  
}
```

2. phase: Detection of **violations of the atomic sequences**

1. phase: Detection of **atomic sequences**