CPU instruction level

Incrementing (or decrementing) x is **not** an atomic operation

thread 1 (`foo` function)

```
LOAD X
INCR
STORE X
```

thread 2 (`bar` function)

```
LOAD X
DECR
STORE X
```

Non-deterministic execution

Execution scenario #1	Execution scenario #2	Execution scenario #3
LOAD X	LOAD X	LOAD X
INCR	LOAD X	LOAD X
STORE X	INCR	INCR
LOAD X	DECR	DECR
DECR	STORE X	STORE X
STORE X	STORE X	STORE X
➡ X is equal to 0	➡ X is equal to -1	➡ X is equal to 1

… and many other possible scenarios with the outcome of
x being equal to either 0, -1 or 1