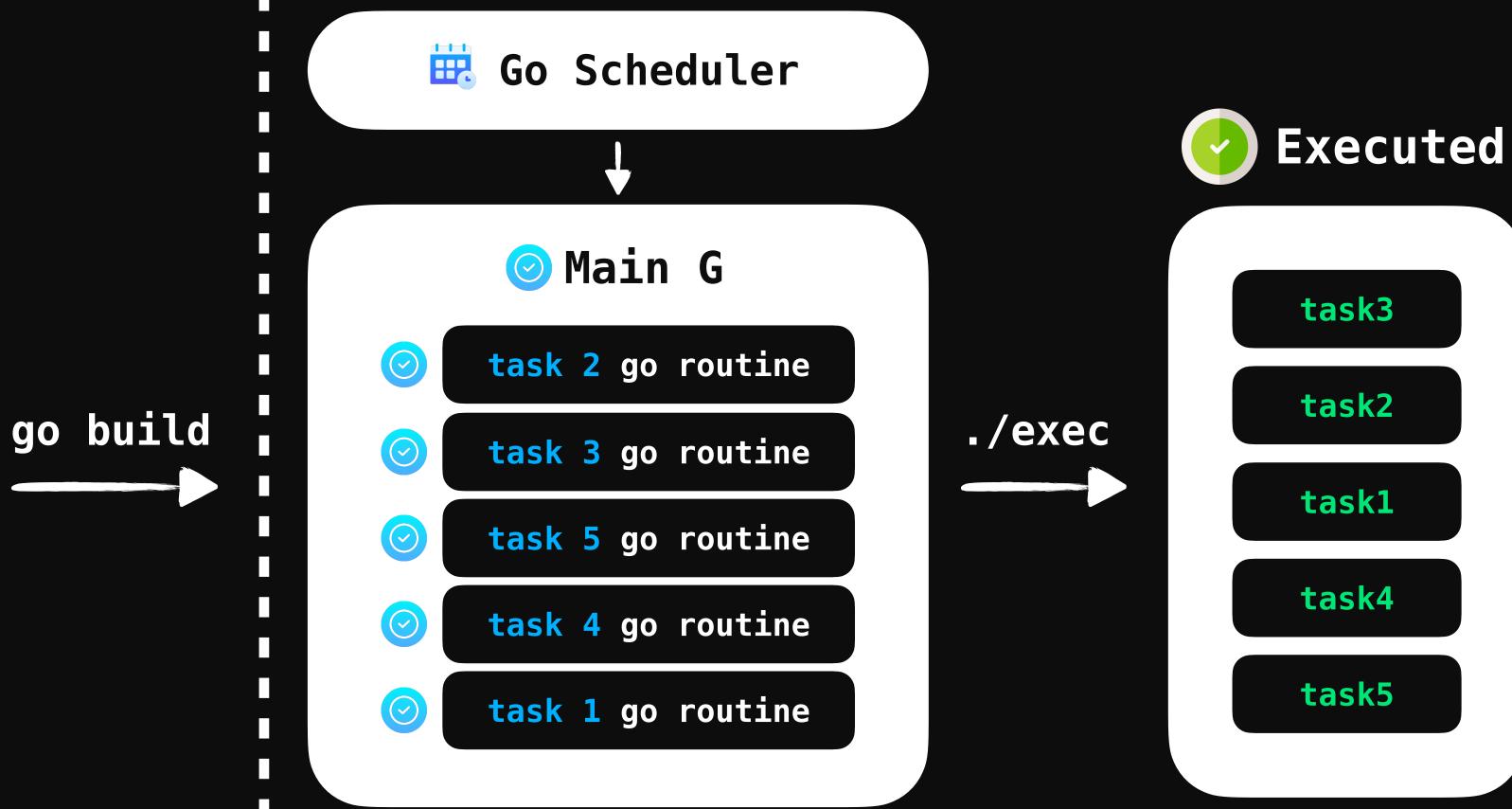
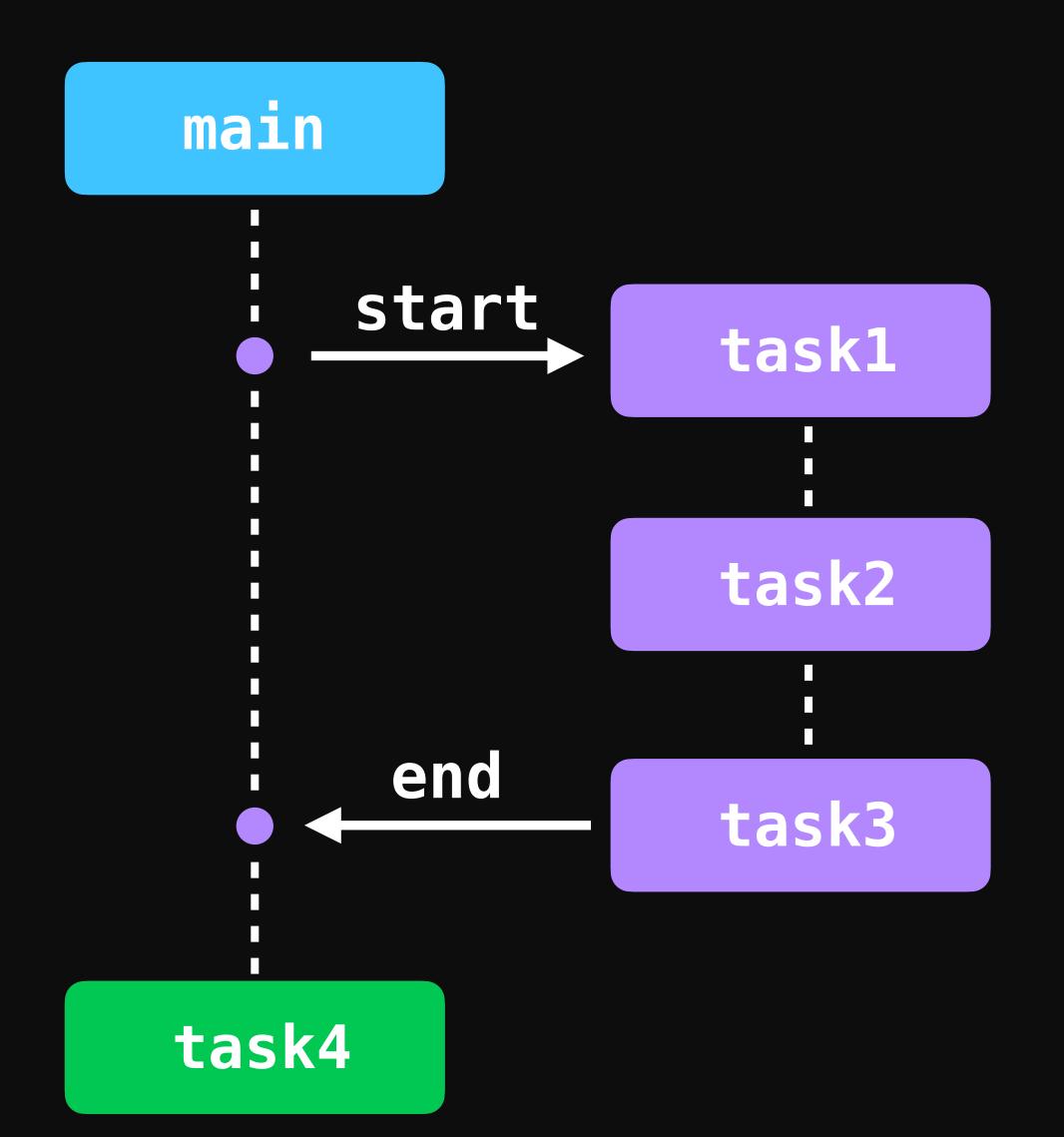
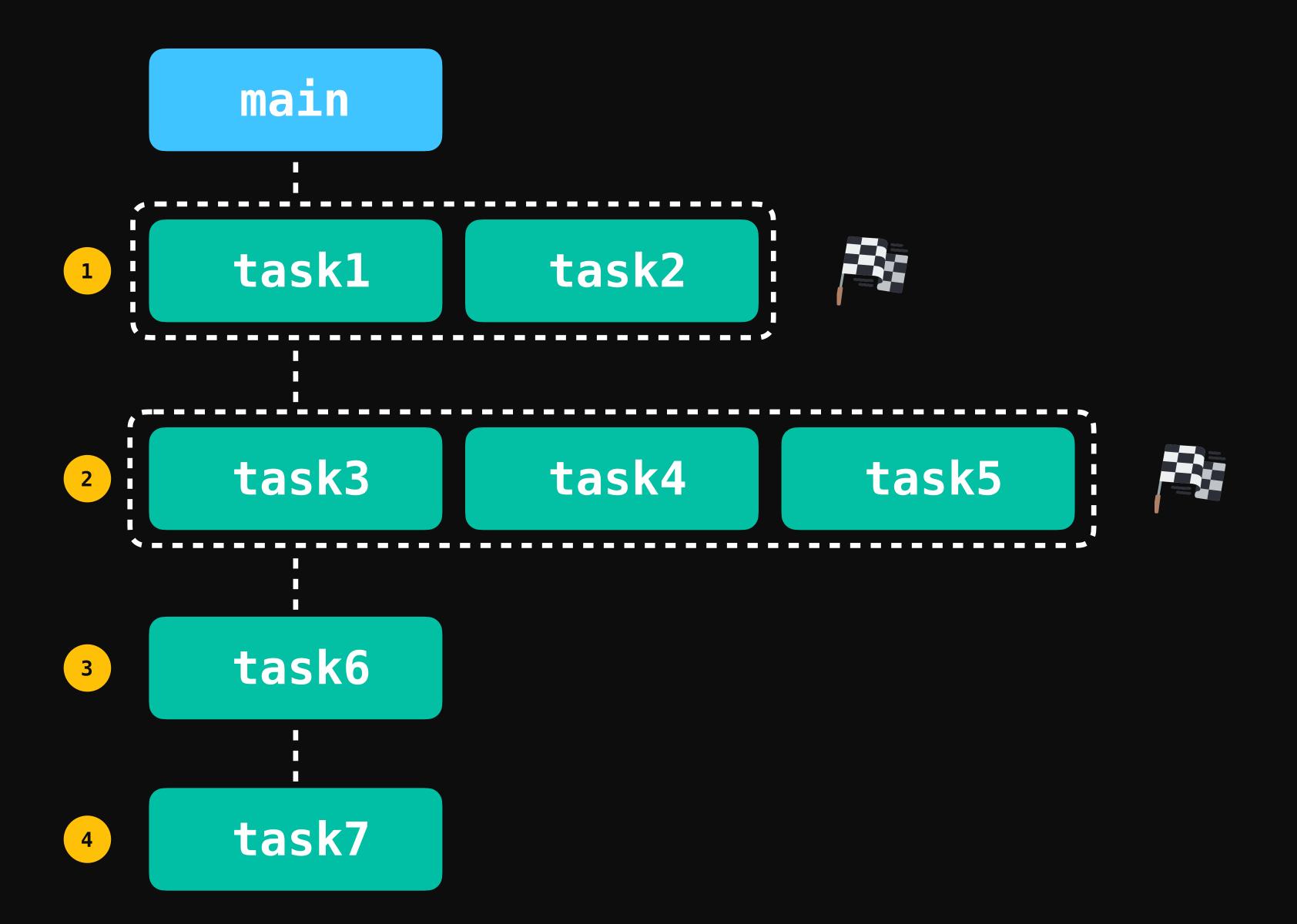


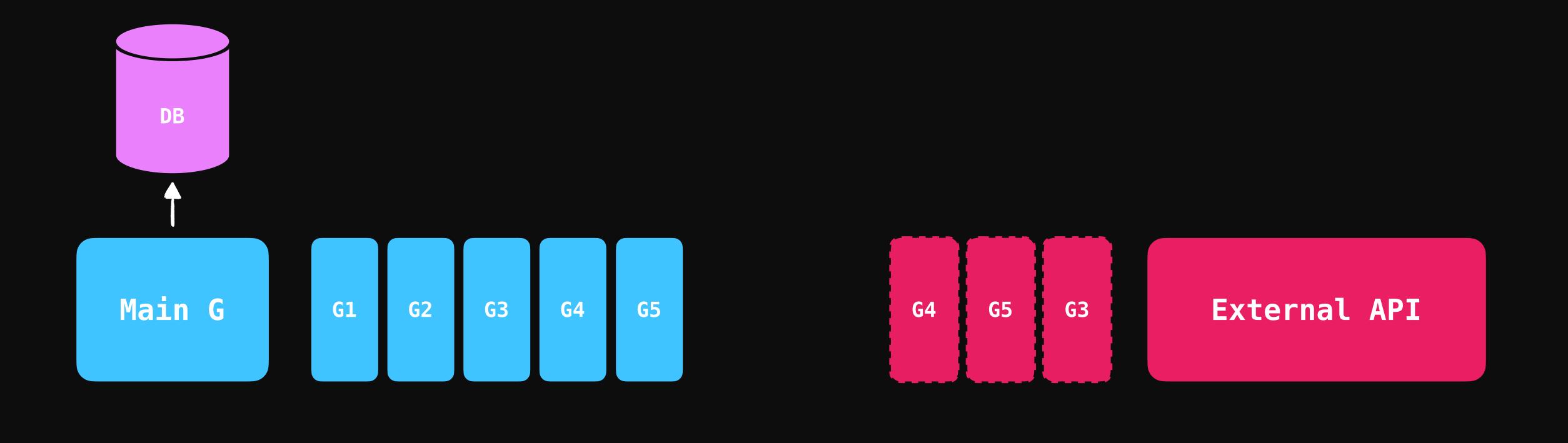
. . . . . . . . . . . . . . . . . .











WaitGroup

Mutex

RWMutex

Locker

Cond

Map

Pool

i++

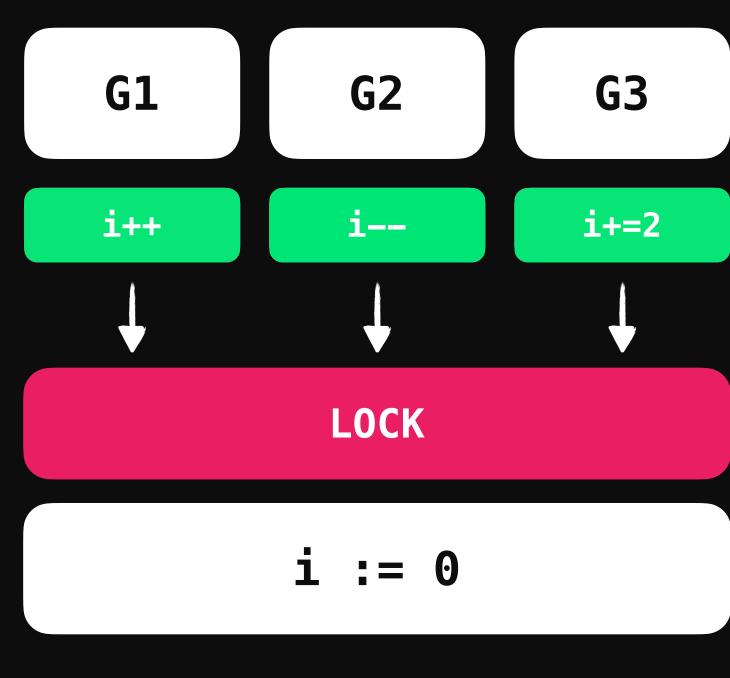
get value of i

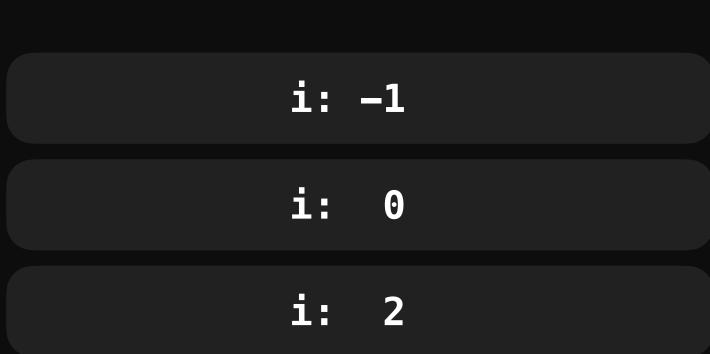
increment value of i

store value of i

INDIVISIBLE

UNINTERRUPTIBLE





## WaitGroup

count int

Add(int)

Increment wg.counter

Done()

Decrement wg.counter

Wait()

Exit when wg.counter == 0



Done() MUST be called as many times as Add()



Done() more than Add() => panic



Done() less than Add() => deadlock



Calling Wait() without Add() => return immediately



Prefer Add(n) vs Add(1) multiple times



WaitGroup MUST be passed by reference



Reusing WaitGroup before previous Wait() returns => panic