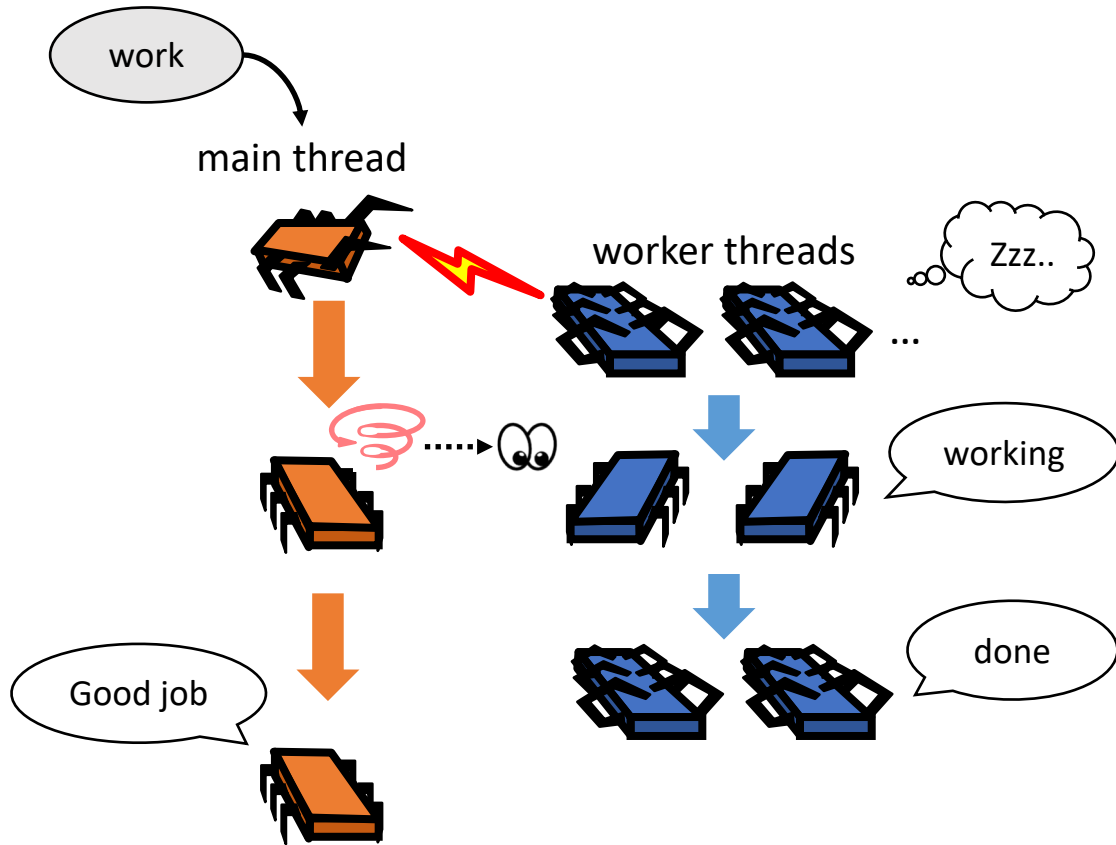


# Practice

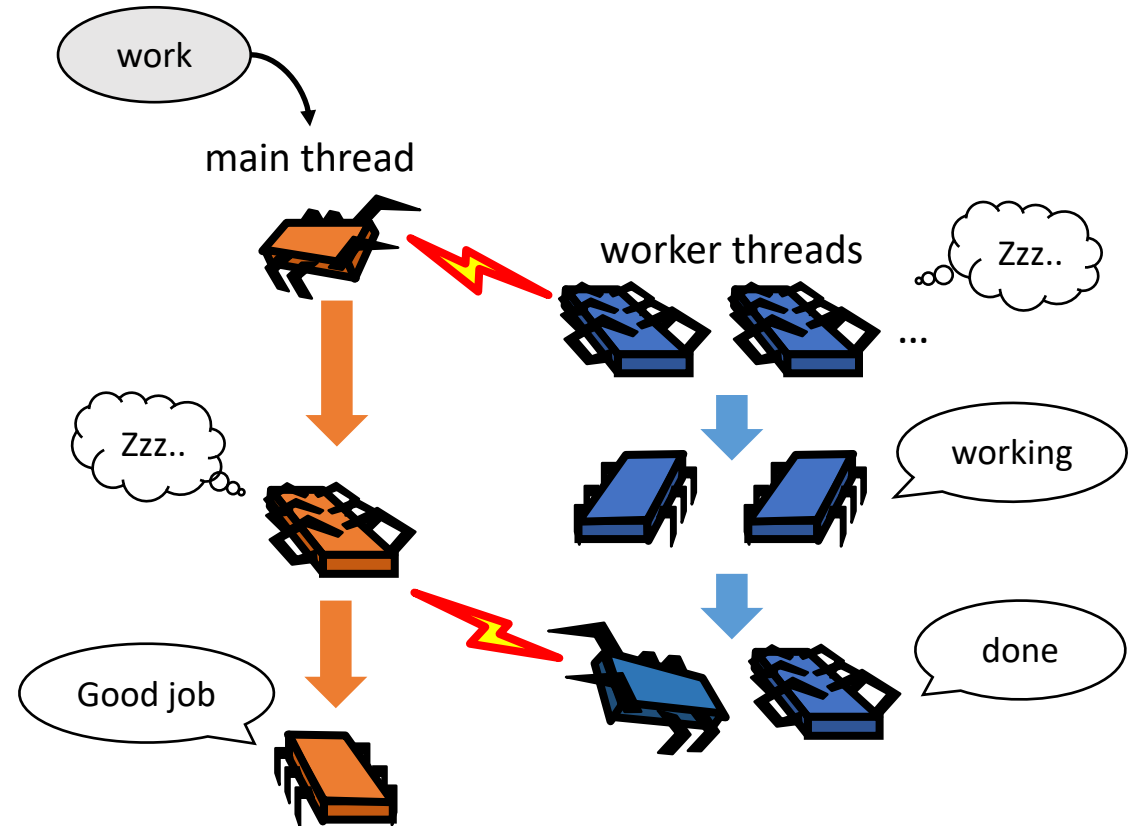
- Prepare the *prime\_mt.cpp* (fixed version of *prime\_mt\_bug.cpp*), *workload.txt* from the Piazza resource page
- Improve the code to *prime\_cond.cpp*
  - Create worker threads at once
  - Wake up the threads when job is comes in
  - Put the threads to sleep after a job done
  - Compare the performance with *prime\_mt* using *workload.txt*

## STEP 1



Use `pthread_yield()` while spinning

## STEP 2



`oldval = __sync_fetch_and_add(int *var, int increment)`  
may be useful to decide the last worker

# Thank You

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