

# Midterm #2 report

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## How to run

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```
make clean  
make
```

## Q1

```
./q1
```

[illegible]

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`sleep 10 * 6 = 1min`

The `tm_sec` has change to 34 after 47 33's, which is because it takes time to call sleeps, schedule events, convert time...

For a program such as cron daemon, it will fetch the current time every minute(minimum is 1 minute). Then call `sleep(60)` to schedule it wake up at the next minute. Because of the issue discussed above, the `tm_sec` tick will be delayed. To handle this, the cron daemon will occasionally call `sleep(59)` instead of `sleep(60)`, resynchronizing with the next minute.

## Q2

`./q2 given path`

## Q3

`./q3`

## Q4

`./q4`