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Typescript:
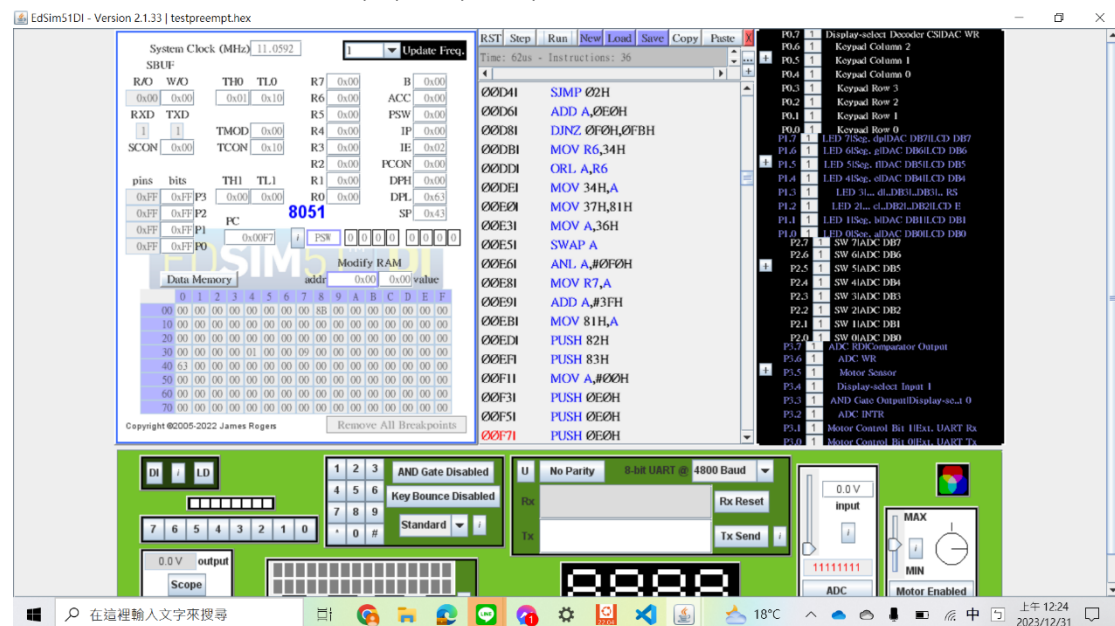

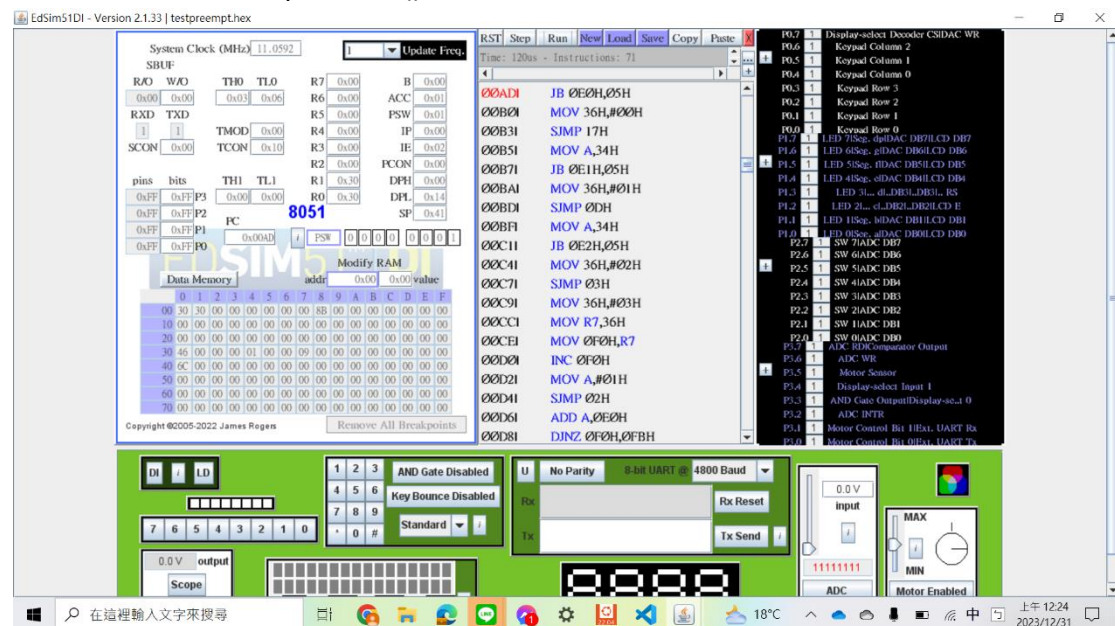Before the thread of main() has been created. Only Bootstrap in bank1(08H – 0FH).
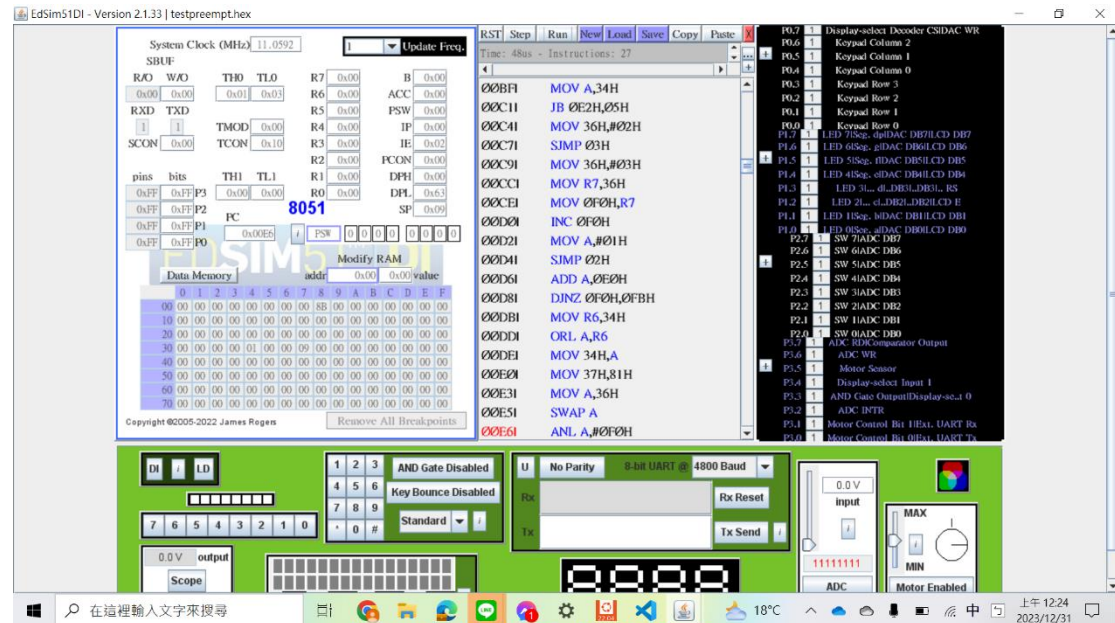
After the thread of main() has been created. 40H and 41H are for main()'s address.

As for 42H-46H are for ACC, B, DPL, DPH, PSW. All value of them are 0.

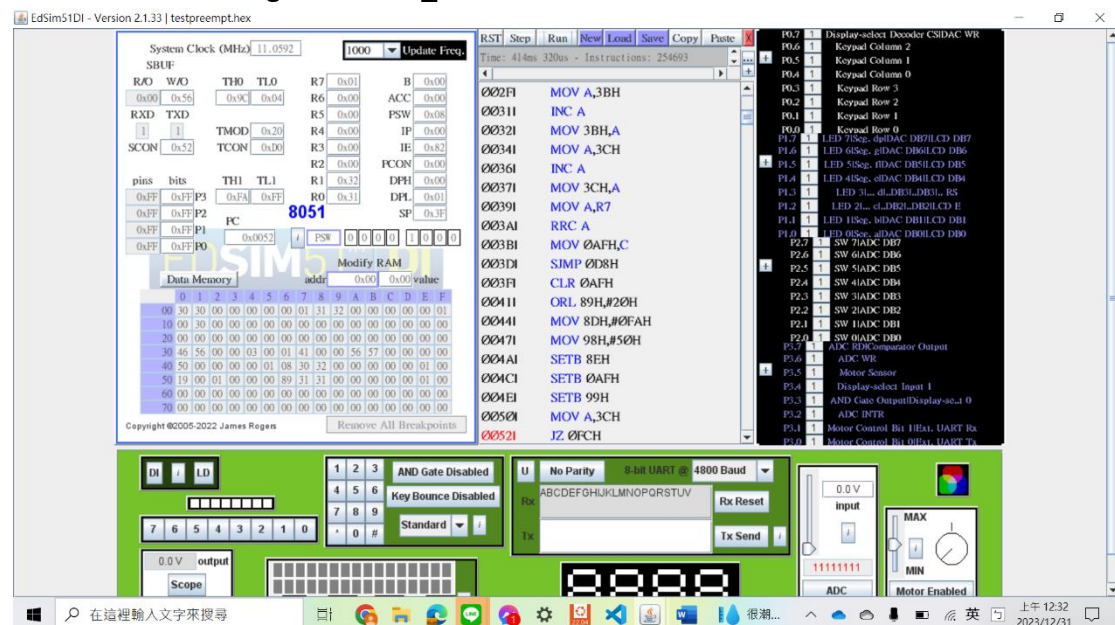Before the thread of producer() has been created. 50H-5FH are all 0.

After the thread of producer() has been created. 50H and 51H are for producer()'s address. As for 52H-55H are for ACC, B, DPL, DPH. All value of them are 0. 56H is for PSW, which bit 3 and 4 are 01.
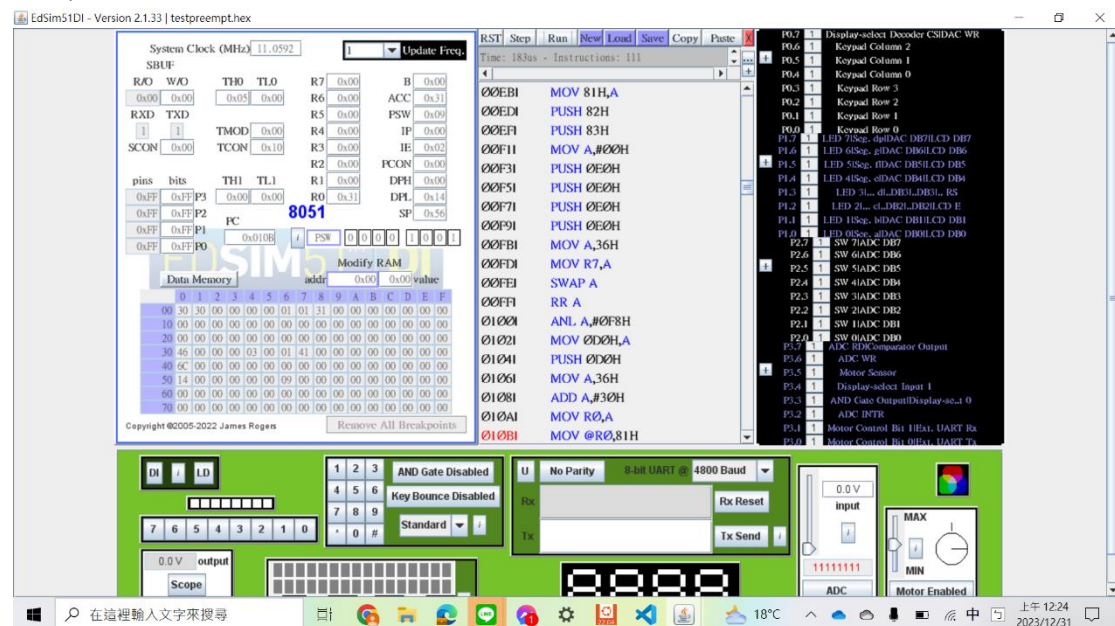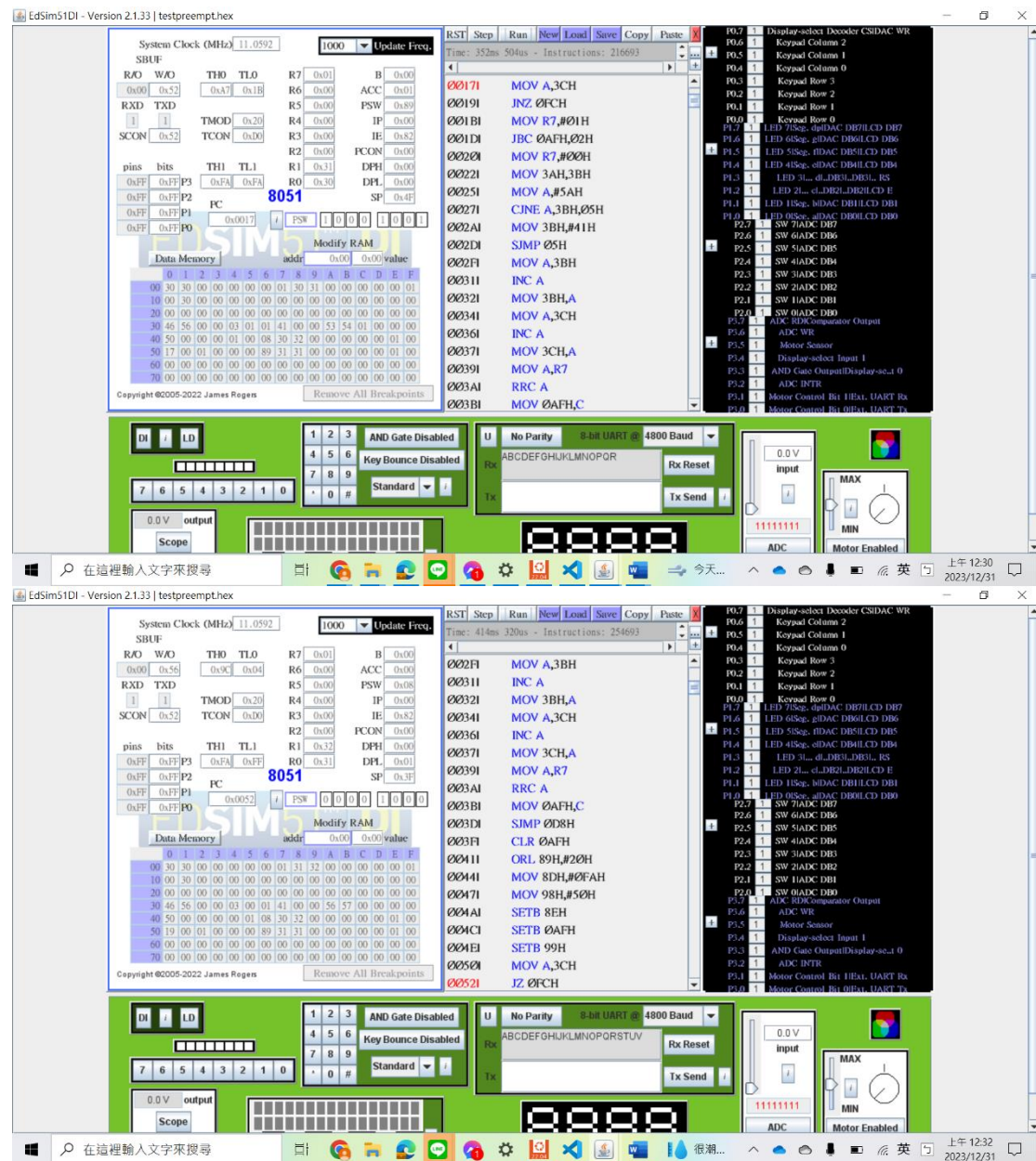
Producer is running. The 'cur_thread' in 35H is 01 now. (Producer() is thread 1)
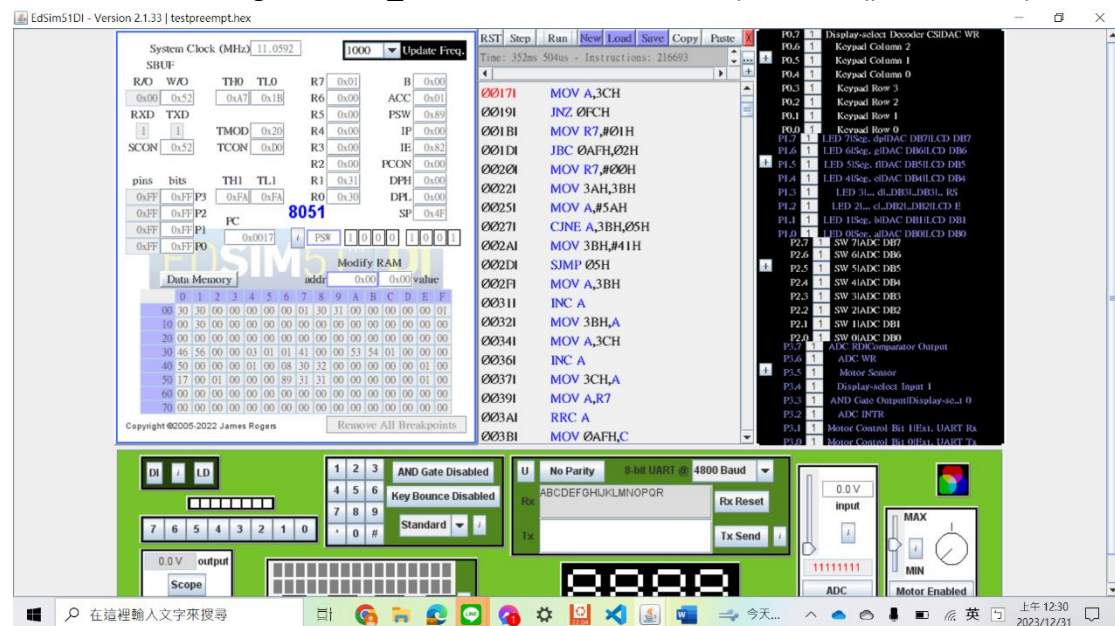
Consumer is running. Since 'cur_thread' in 35H is 0.

interrupt is triggering on a regular basis since 'cur_thread' changes on a regular basis.

Part of code in myTimer0Handler():

```
do{
    if ((bitmap & 0b1111) == 0b0000) break; // No thread running
    cur_thread = (cur_thread < 3 ) ?  cur_thread+1 : 0;
    if(bitmap & ( 1 << cur_thread)) break;
}
while (1);
```