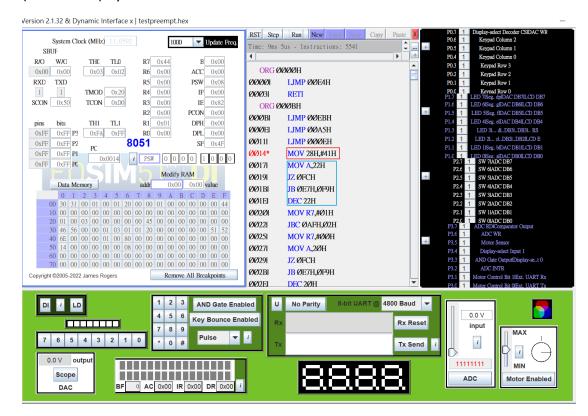
109062318 簡弘哲

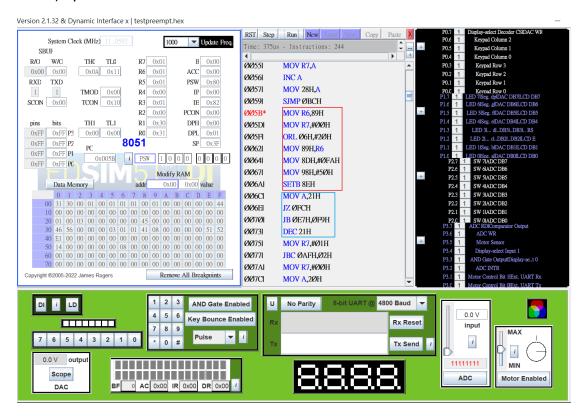
1. Producer running & semaphore changes

According to .map file, the address of _Producer is 0014, so I set a breakpoint there. Red block corresponds to the variable initialization ch='A', and blue block is the assembly code of SemaphoreWaitBody and decrease Semaphore 'empty' (addr = 22H) by 1



2. Consumer running & semaphore changes

According to .map file, the address of _Consumer is 005B, so I set a breakpoint there. Red block corresponds to the initialization of TMOD, TH1..., and blue block is the assembly code of SemaphoreWaitBody and decrease Semaphore 'full' (addr = 21H) by 1



3. Typescript

```
daneil@MS-DanielNB:/mnt/d/Profile/Daniel/OneDrive/桌面/OS Project/Checkpoint 3$ make clean rm *.hex *.ihx *.lnk *.lst *.map *.mem *.rel *.rst *.sym rm: cannot remove '*.ihx': No such file or directory rm: cannot remove '*.lnk': No such file or directory make: *** [Makefile:25: clean] Error 1 daneil@MS-DanielNB:/mnt/d/Profile/Daniel/OneDrive/桌面/OS Project/Checkpoint 3$ make sdcc -c testpreempt.c testpreempt.c:38: warning 158: overflow in implicit constant conversion sdcc -c preemptive.c preemptive.c preemptive.c:82: warning 85: in function ThreadCreate unreferenced function argument : 'fp' sdcc -o testpreempt.hex testpreempt.rel preemptive.rel
```