Checkpoint3

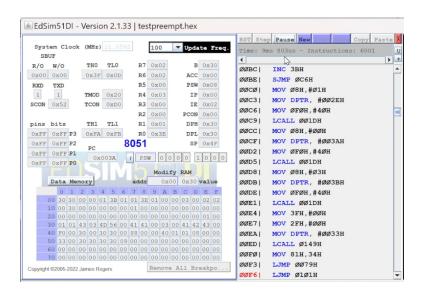
1. Typescript for compilation

I chose to implement on the Windows operating system, so I cannot use the 'rm' command. Here, I opted to use the 'del' command to achieve the same functionality.

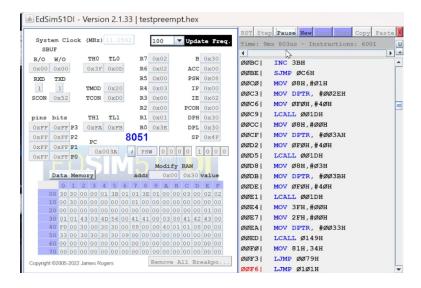
```
C:\清大資工\OS\112os\ppc3>make clean
del *.hex *.ihx *.lnk *.lst *.map *.mem *.rel *.rst *.sym

C:\清大資工\OS\112os\ppc3>make
sdcc -c testpreempt.c
sdcc -c preemtive.c
preemtive.c:279: warning 85: in function ThreadCreate unreferenced function argument : 'fp'
sdcc -o testpreempt.hex testpreempt.rel preemtive.rel
```

2-1. Take screenshots when the Producer is running and show semaphore changes.

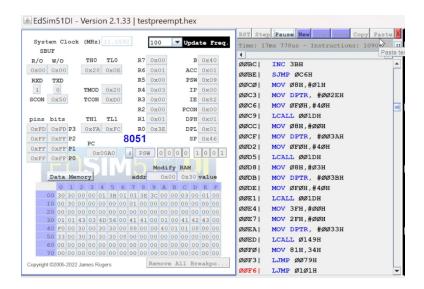


Checkpoint3 1

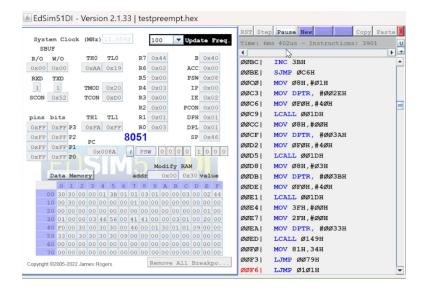


- 1.Because currentThreadID() is 1 (0x31),so we can know producer is running,and Mutex(0x2E) is changed from 1 to 0 in picture
- 2.Mutex(0x2E) is changed from 0 to 1, and Full(0x3A) is changed from 0 to 3, and Empty(0x3B) is changed from 3 to 0

2-2Take screenshots when the Consumer is running and show semaphore changes.



Checkpoint3



- 1.Because currentThreadID() is 0 (0x31),so we can know consumer is running,and Mutex(0x2E) is changed from 1 to 0 in picture
- 2.Mutex(0x2E) is changed from 0 to 1, and Full(0x3A) is changed from 3 to 0 , and Empty(0x3B) is changed from 0 to 3

Checkpoint3 3