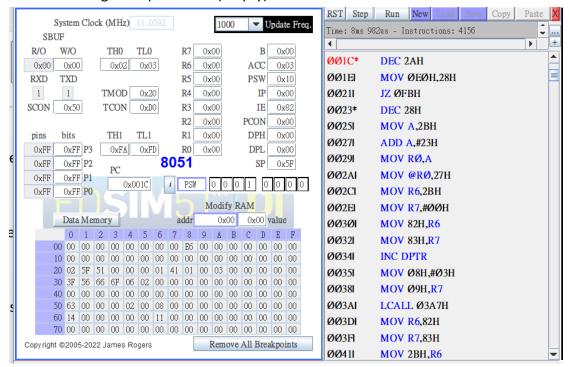
3.1 Typescript for compilation

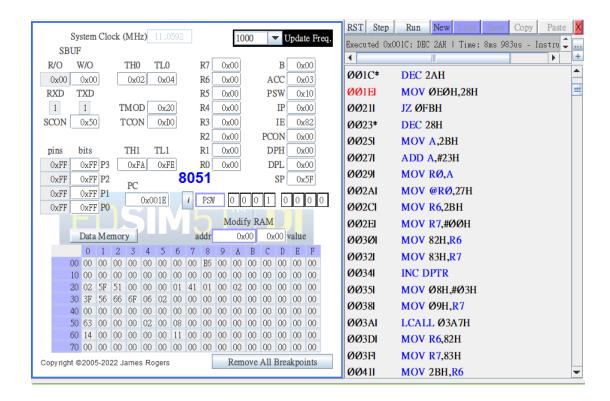
3.2 Screenshots and explanation

The file "testpreempt.map" shows that the function Producer starts from the line 0014 and that the function Consumer starts from the line 0058.

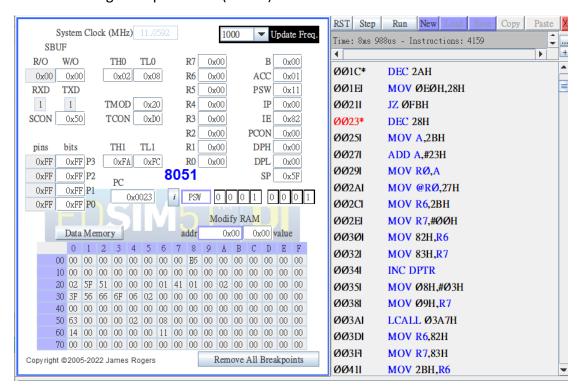
In Producer:

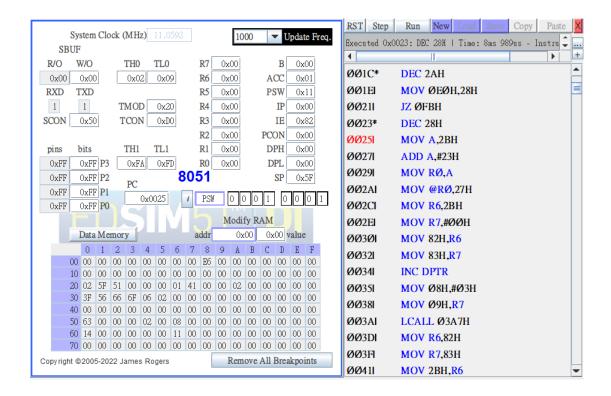
When executing DEC 2AH in the line 001C, it decreases the value of empty by one since it is doing SemaphoreWait(empty).



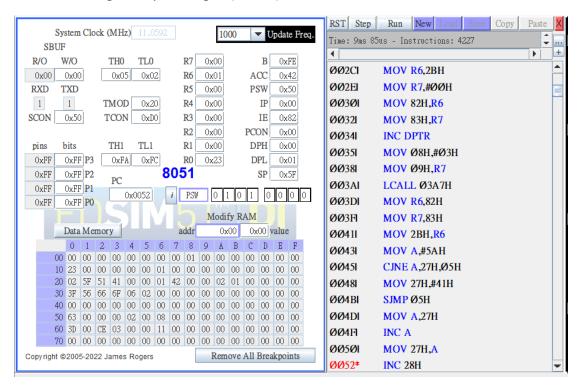


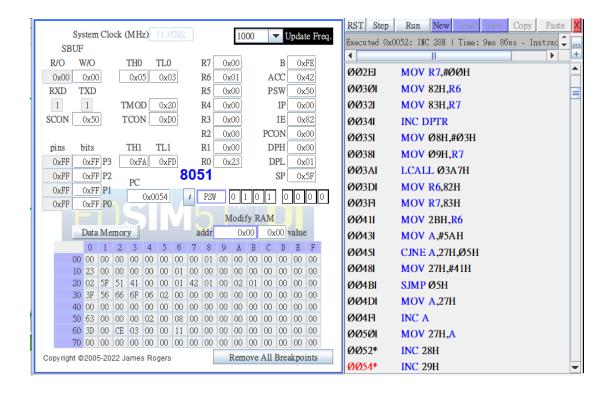
When executing DEC 28H in the line 0023, it decreases the value of mutex by one since it is doing SemaphoreWait(mutex).



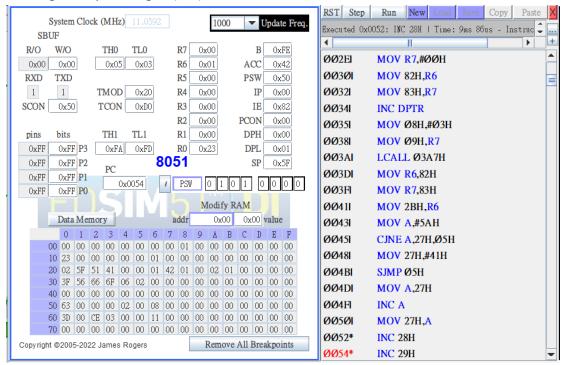


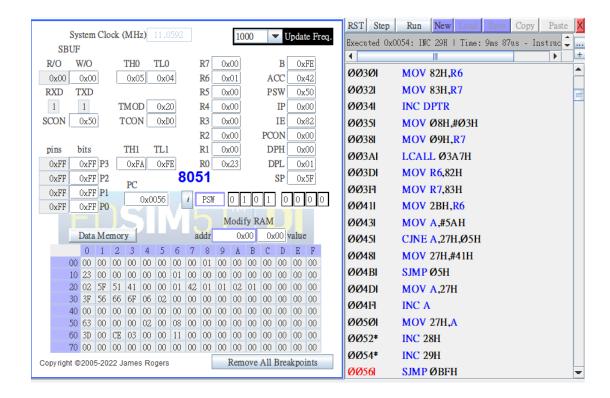
When executing INC 28H in the line 0052, it increases the value of mutex by one since it is doing SemaphoreSignal(mutex).





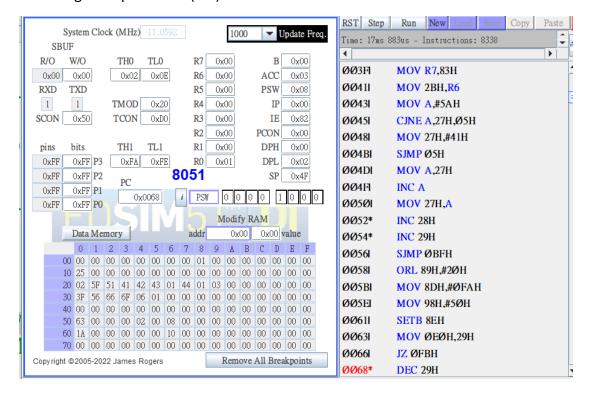
When executing INC 29H in the line 0054, it increases the value of full by one since it is doing SemaphoreSignal(full).

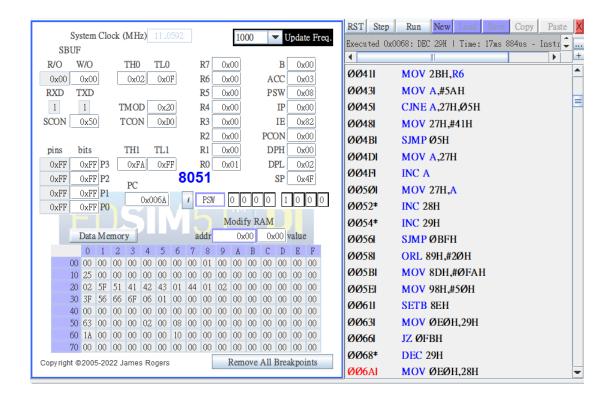




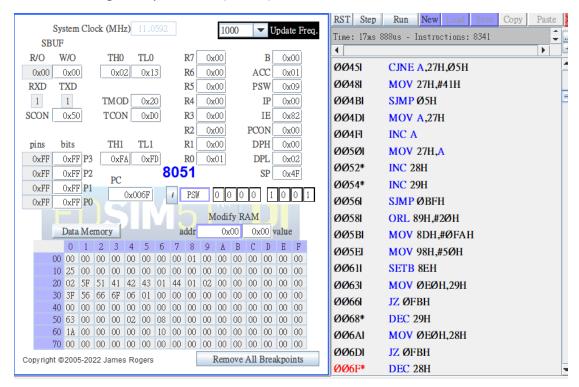
In Consumer:

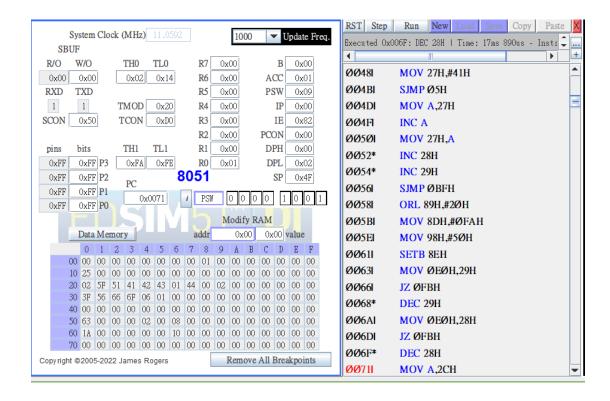
When executing DEC 29H in the line 0068, it decreases the value of full by one since it is doing SemaphoreWait(full).



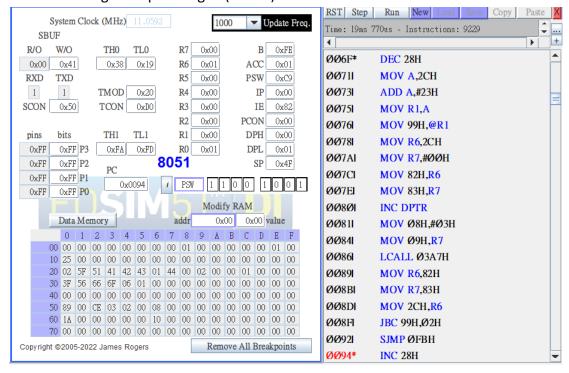


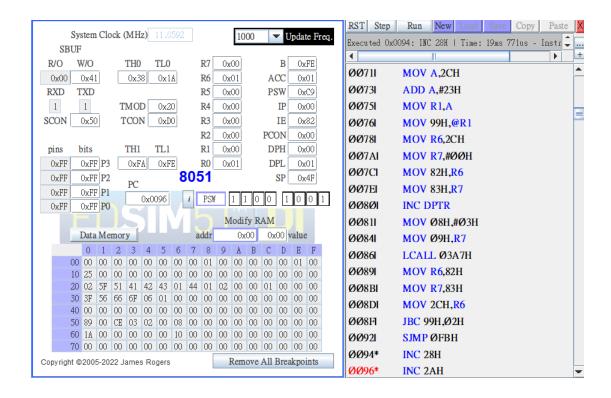
When executing DEC 28H in the line 006F, it decreases the value of mutex by one since it is doing SemaphoreWait(mutex).





When executing INC 28H in the line 0094, it increases the value of mutex by one since it is doing SemaphoreSignal(mutex).





When executing INC 2AH in the line 0096, it increases the value of empty by one since it is doing SemaphoreSignal(empty).

