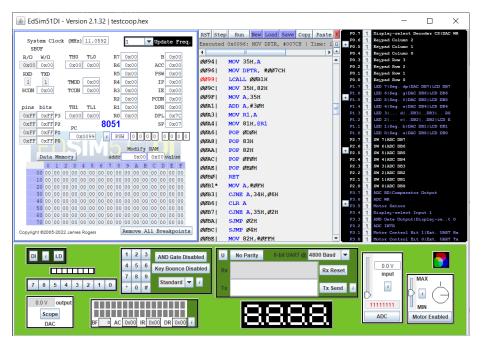
# **Programming Project Checkpoint#1**

姚林飛 109006243

## [1] Typescript for compilation

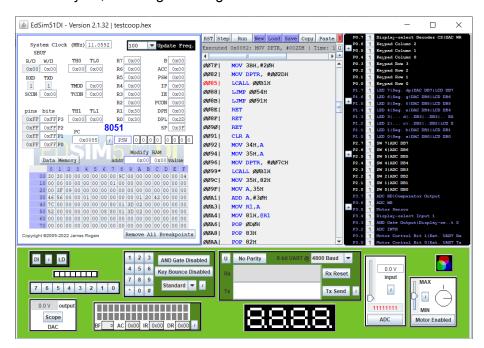
## [2] Screenshots and explanation

Before Each ThreadCreate Call



ThreadCreate(main)

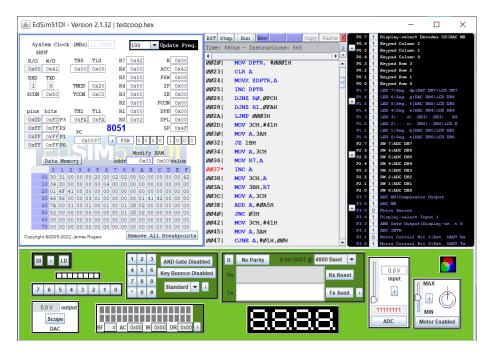
When performing LCALL, the DPTR with value 0x7C (Address of main) is pushed into the stack 2 bytes, resulting in change of SP from 0x07 to 0x09



- ThreadCreate(Producer)

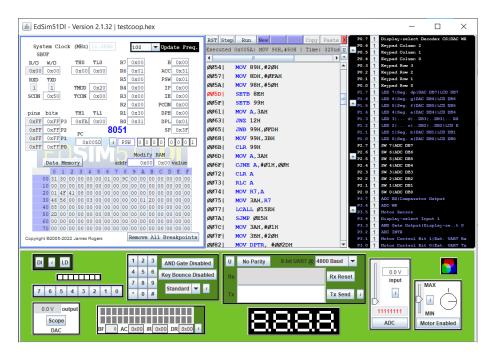
When performing LCALL, the DPTR with value 0x2D (Address of Producer) is pushed into the stack 2 bytes, resulting in change of SP from 0x3F to 0x41

### Producer running



I know that Producer is running because at Data Memory 0x3C, the nextProduce will get change when the Producer is running

#### Consumer running



I know that Consumer is running because the values SCON, TMOD are initialized for polling.