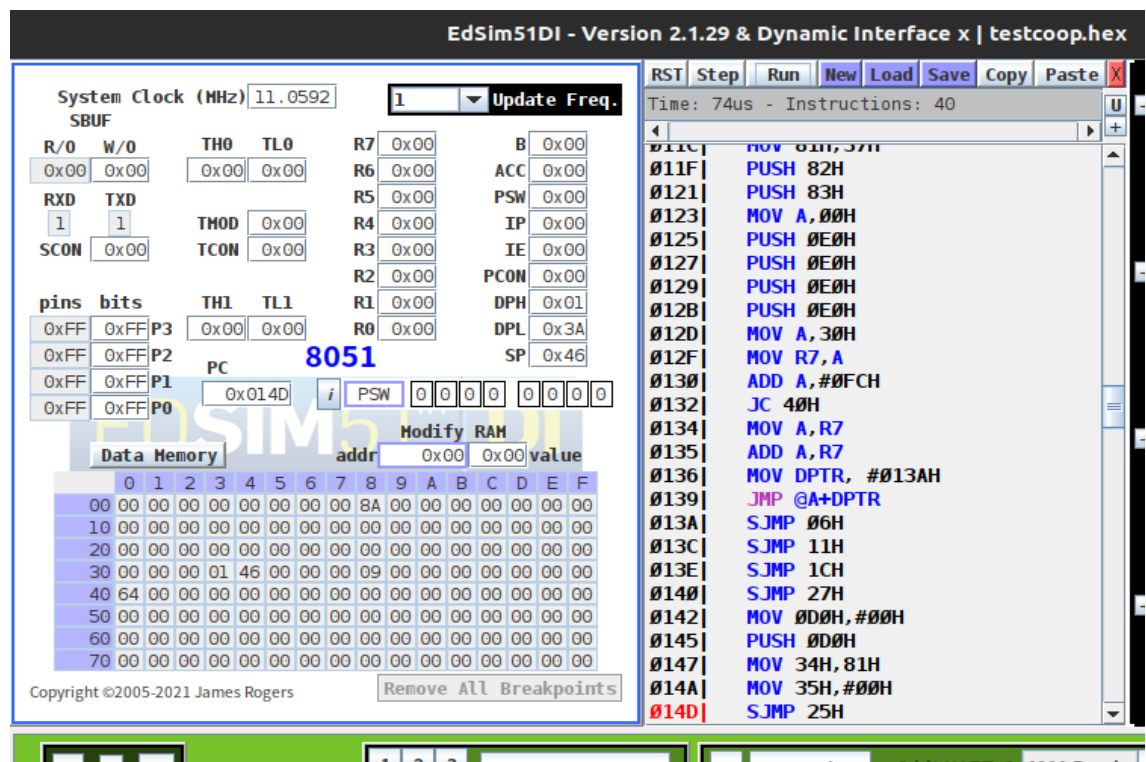


checkpoint1

October 2021

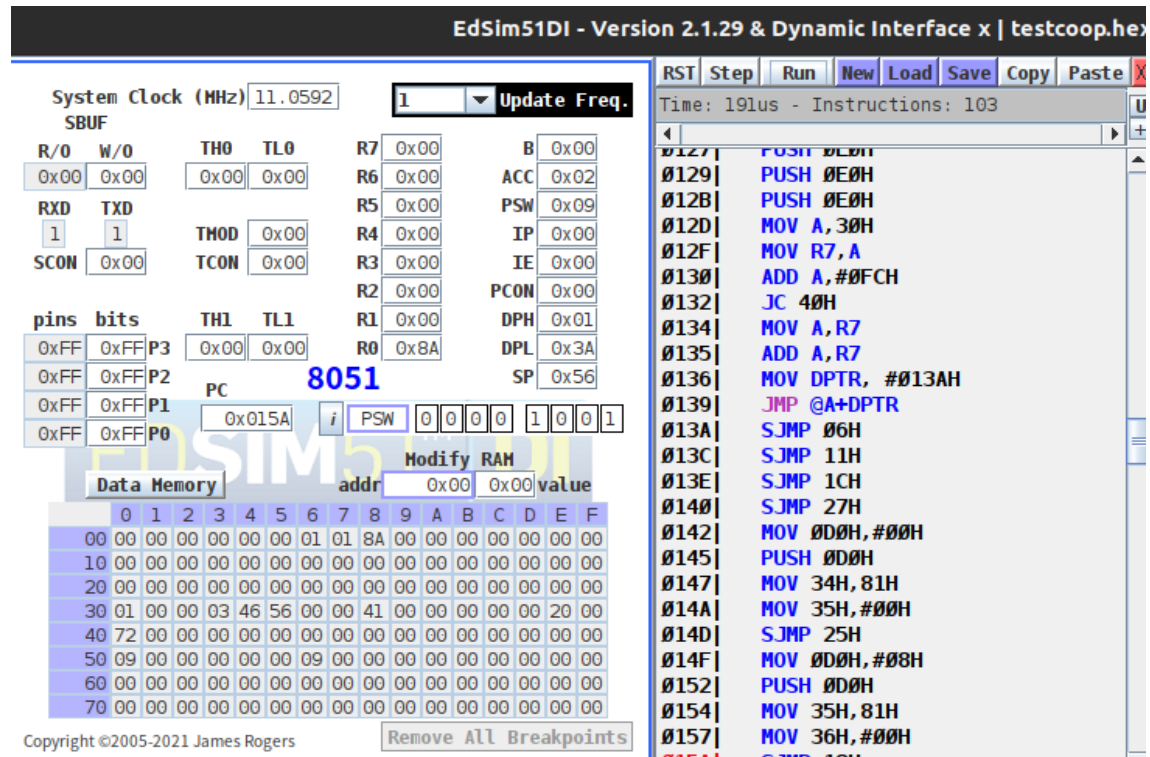
- 1 Question 1: Take one screenshot before each ThreadCreate call. Explain how the stack changes.



- 1 . The origin SP is save in TempSP (38H) and change SP to 3FH (Thread0 stack)
- 2 .Push DPL DPH (Thread0's initial address) in Thread0 stack

and Initialize ACC , B , DPL ,DPH ,PSW value and push those in Thread0 stack,such that SP is point to 46H

3. Restore Original SP from TempSP and Save Thread0SP in the 34H

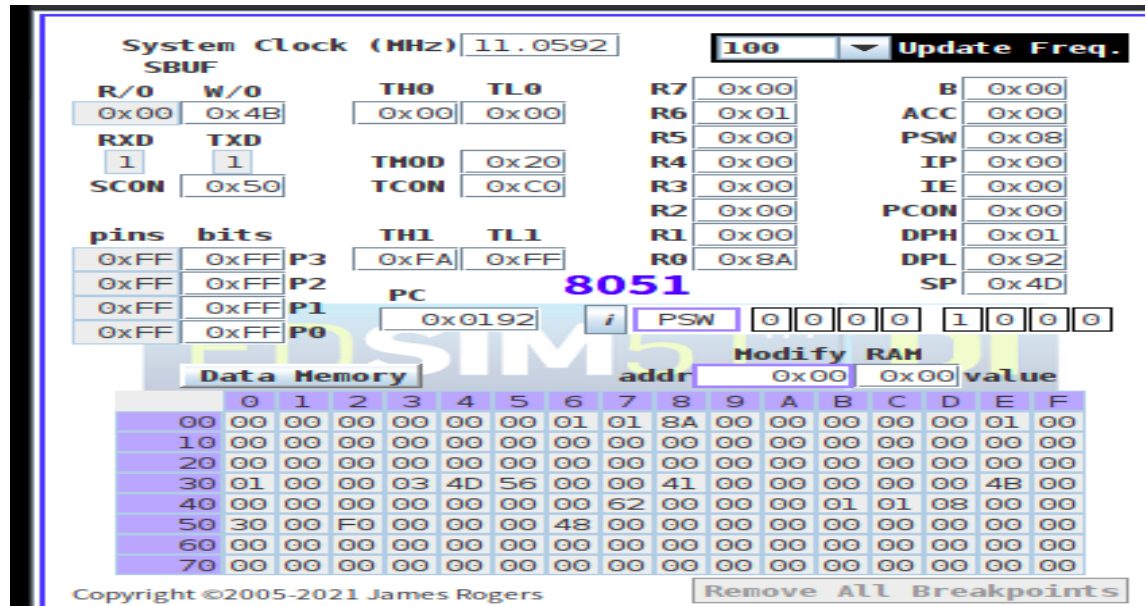


1 . The origin SP is save in TempSP (38H) and change SP to 4FH (Thread1 stack)

2 .Push DPL DPH (Thread1's initial address) in Thread1 stack and Initialize ACC , B , DPL ,DPH ,PSW value and push those in Thread1 stack,such that SP is point to 56H

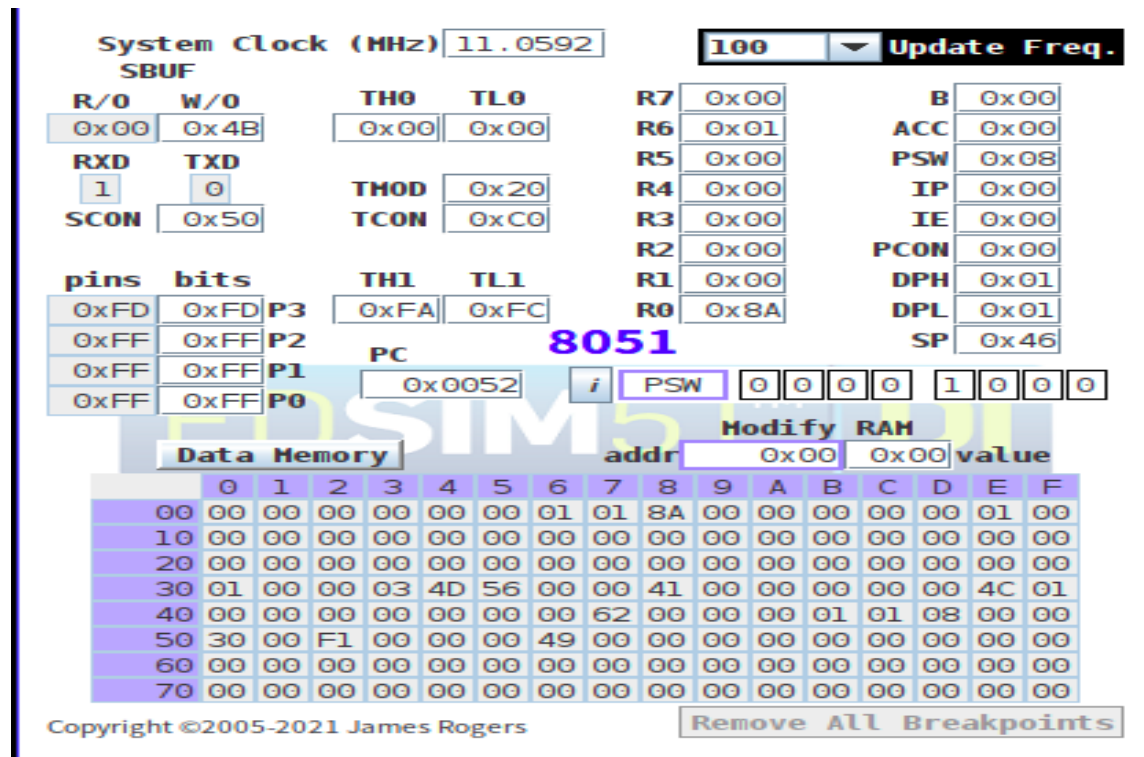
3. Restore Original SP from TempSP and Save Thread1SP in the 35H

2 Question 2: Take one screenshot when the Producer is running. How do you know?



1. It's PC is 0x0192 can know begin execute Producer
2. After Producer execute the value of 3EH will increase

3 Question 3: Take one screenshot when the Consumer is running. How do you know?



1. It's PC is 0x0052 can know Consumer is running
2. After it execute will print the new word in uart