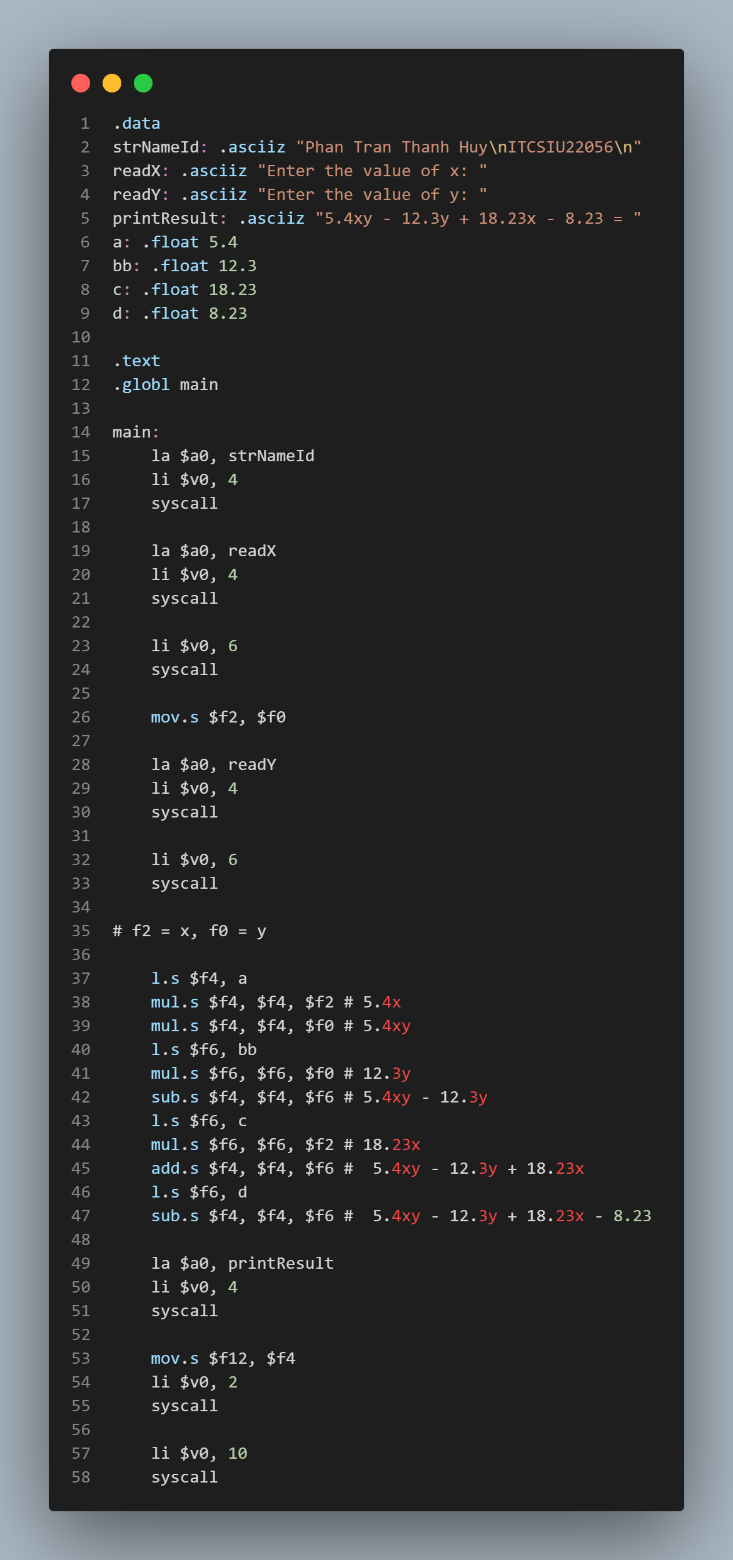
Name: Phan Trần Thanh Huy

ID: ITCSIU22056

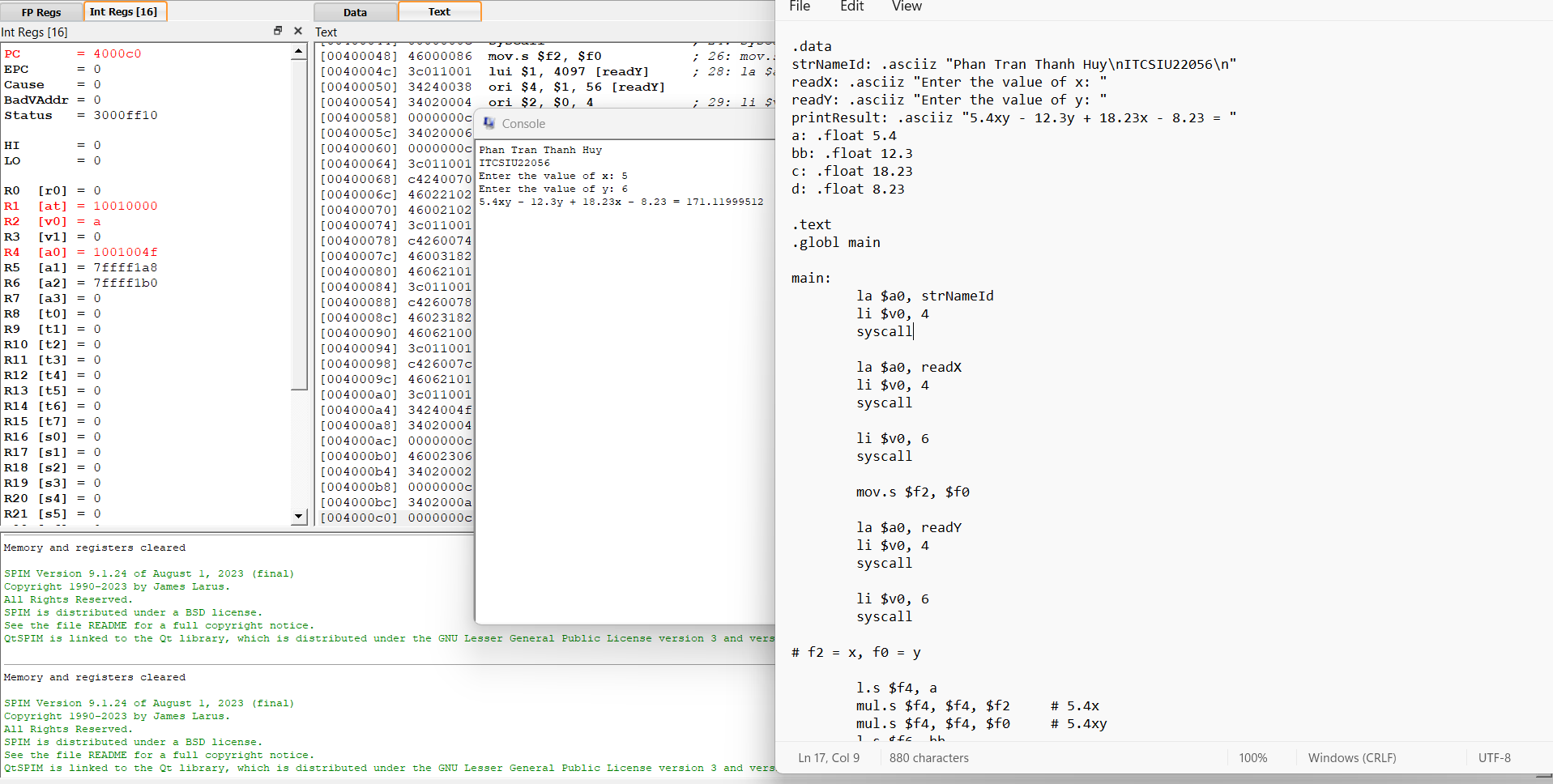
**Lab 8**

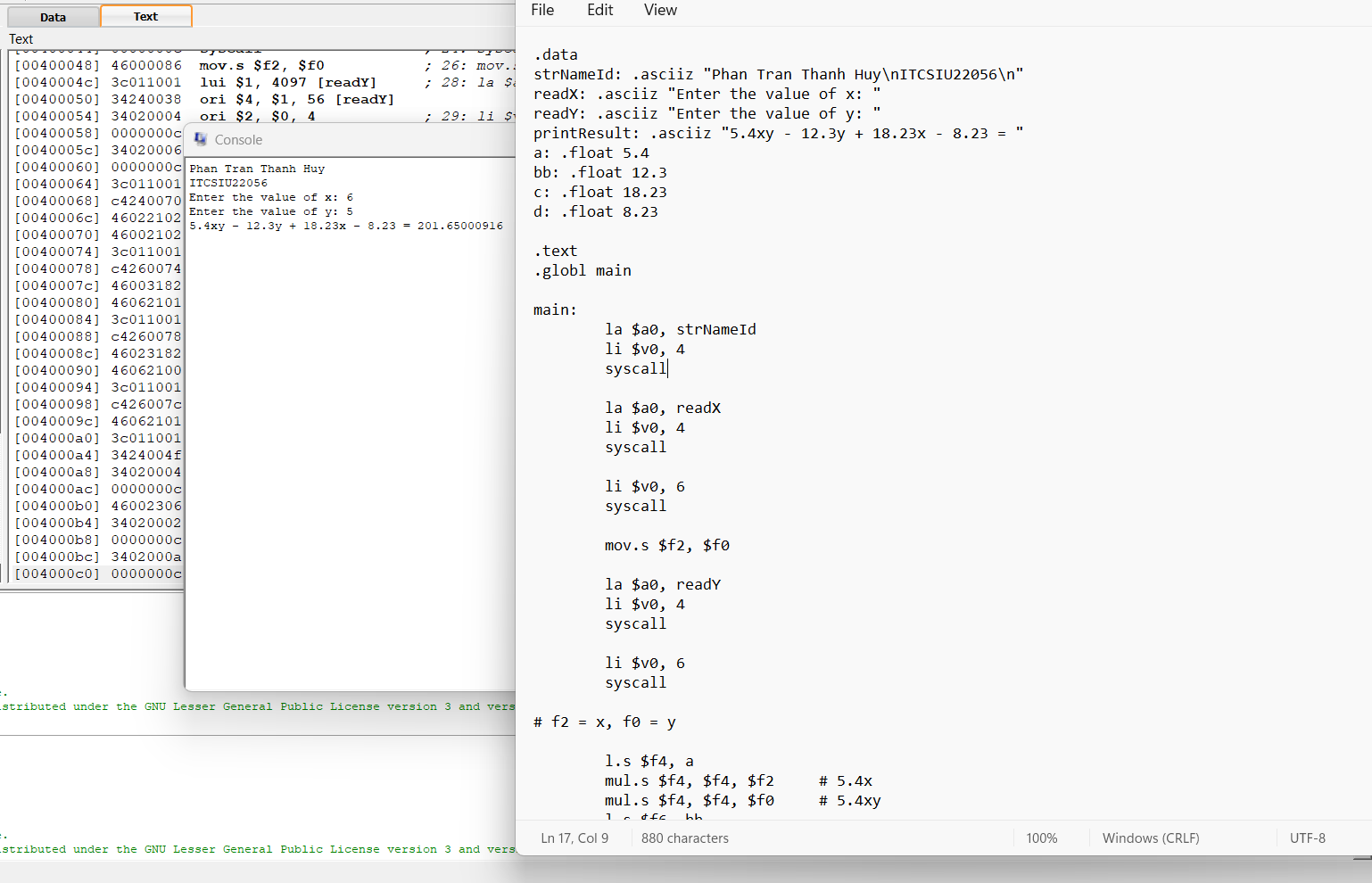
**Exercise 1 – Arithmetic Expression**

**Code:**

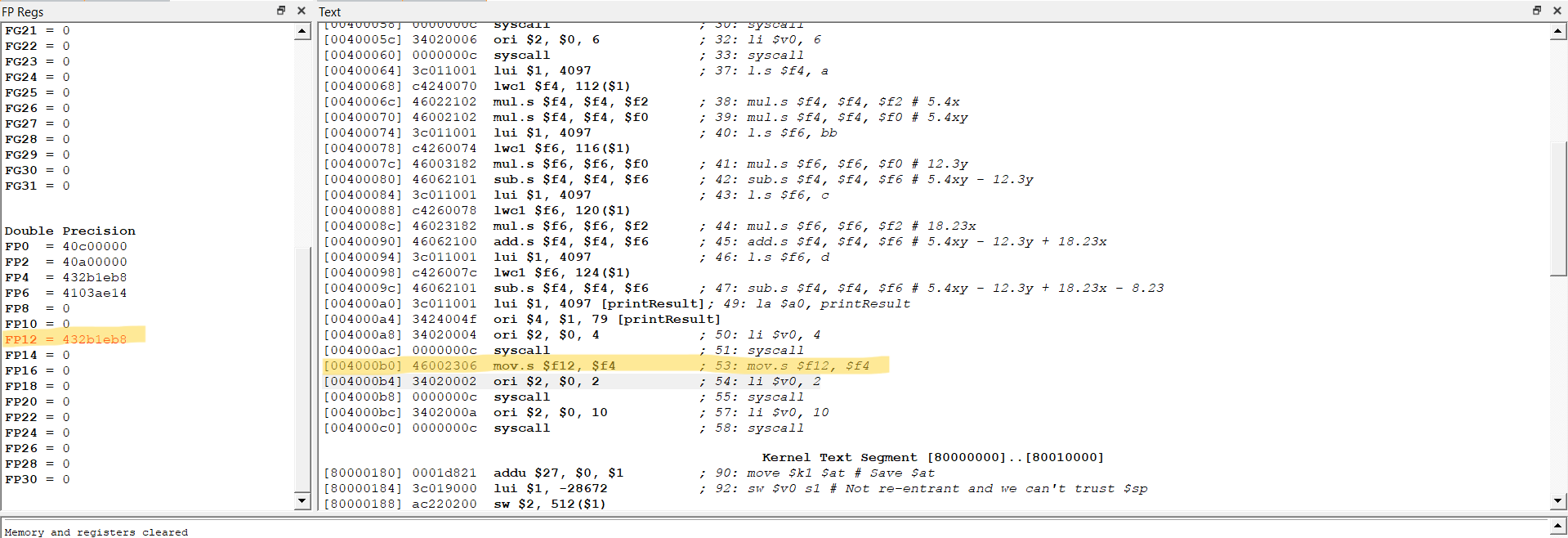
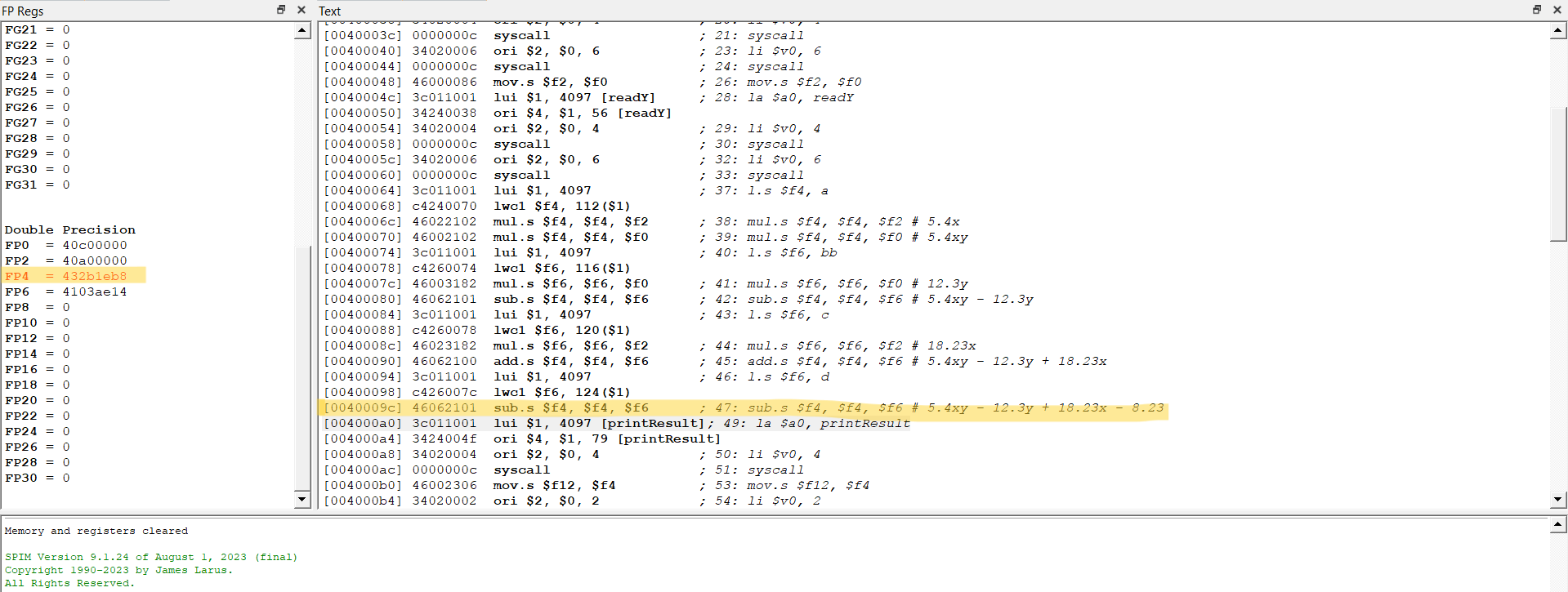
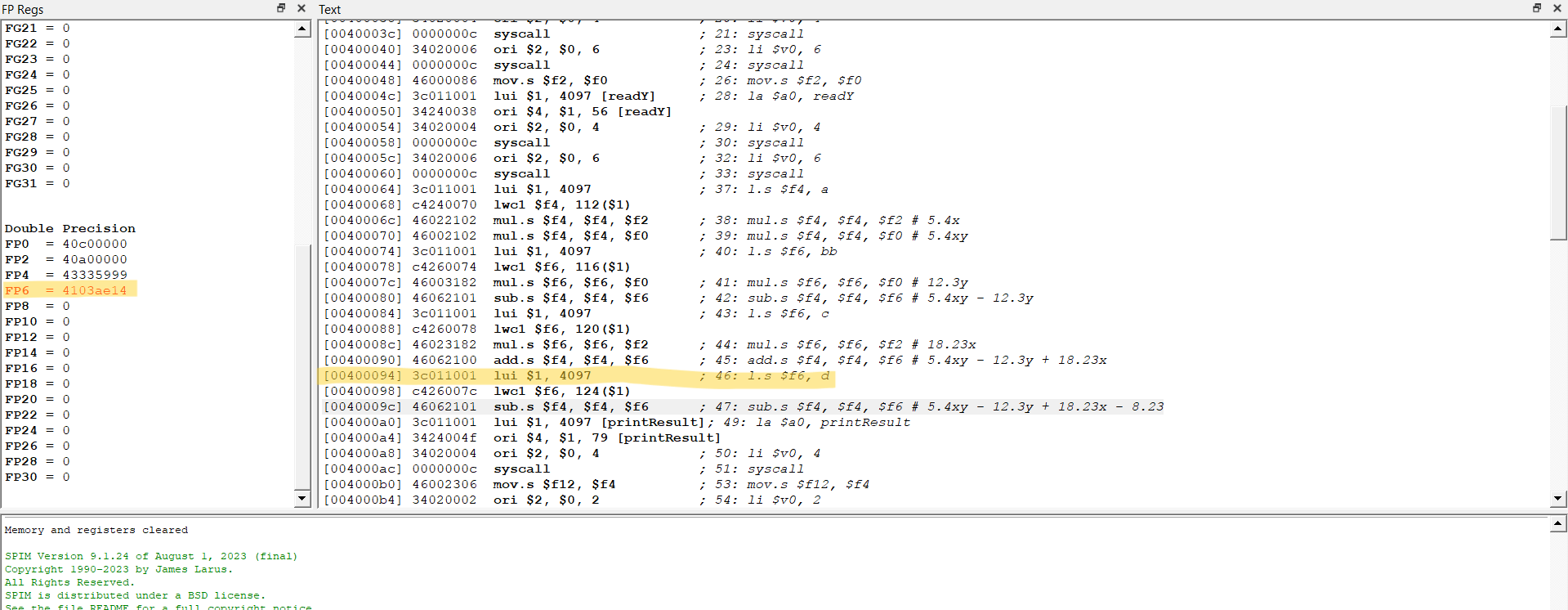
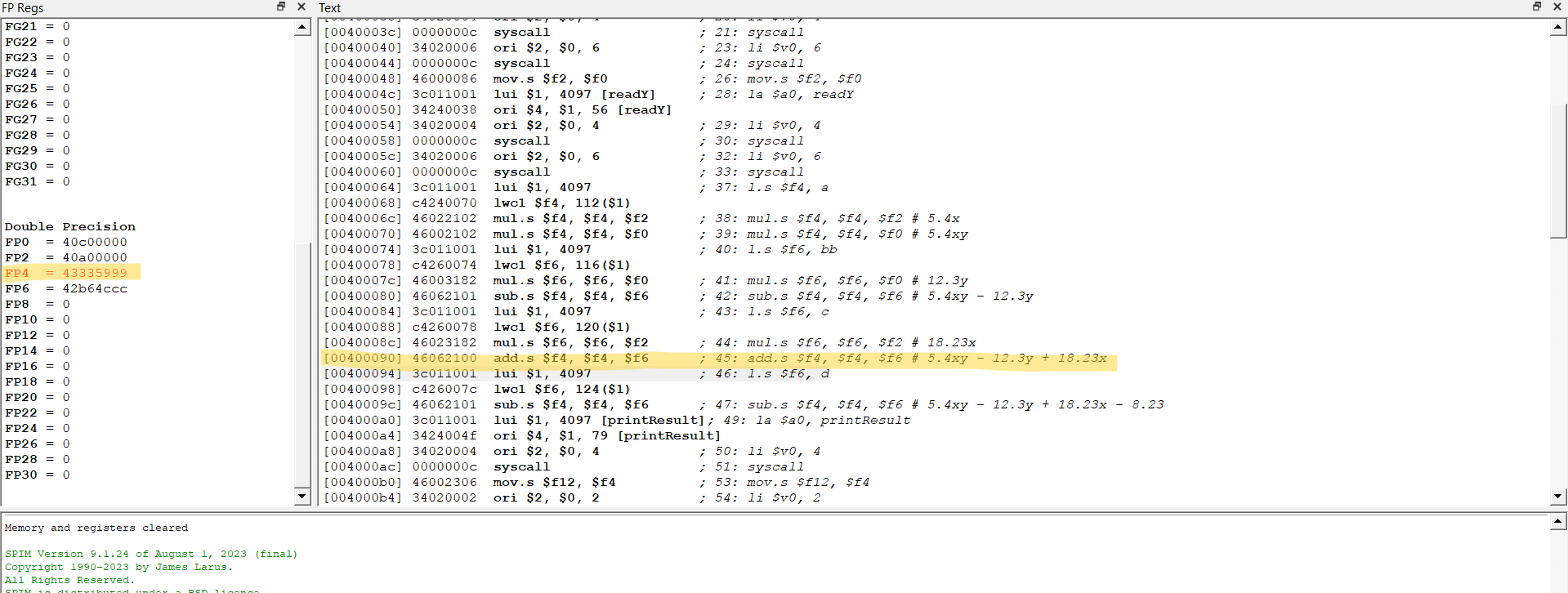
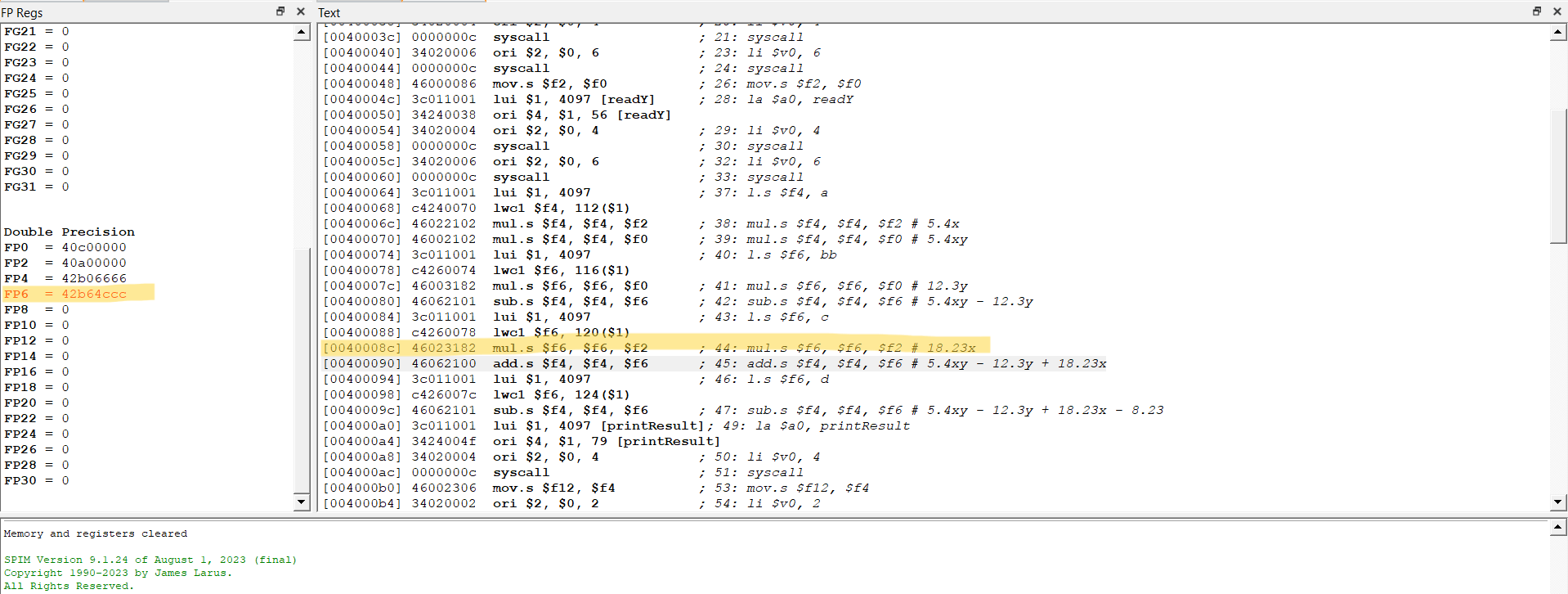
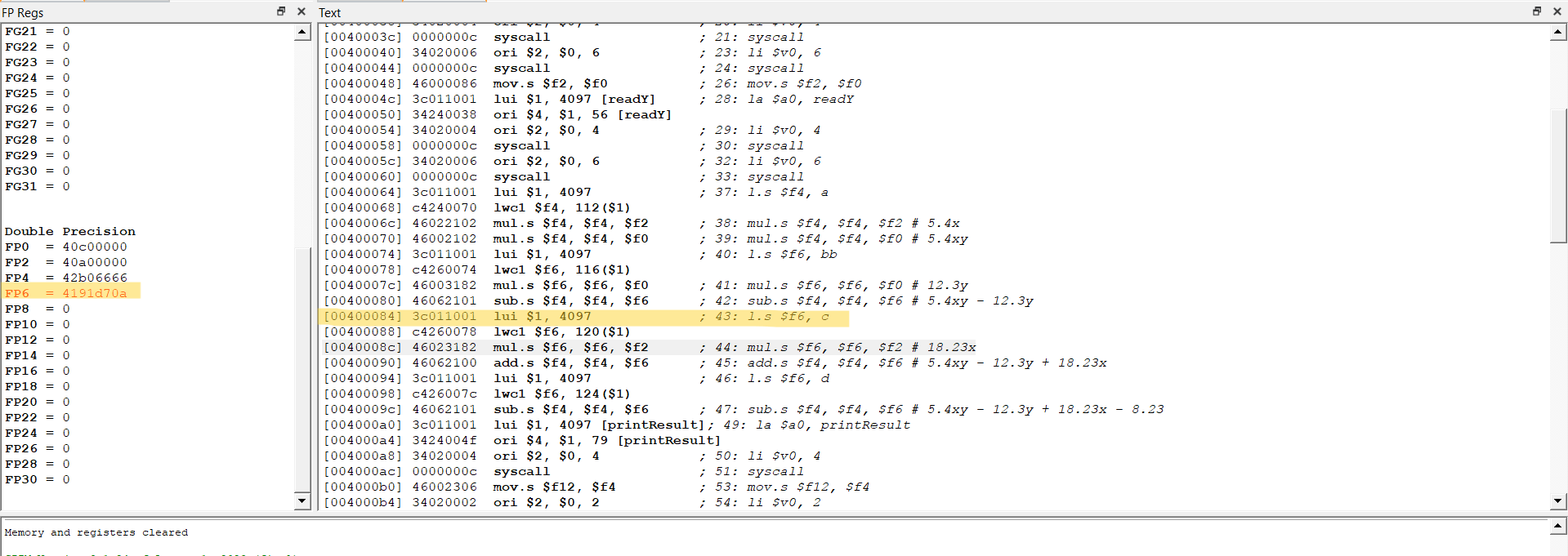
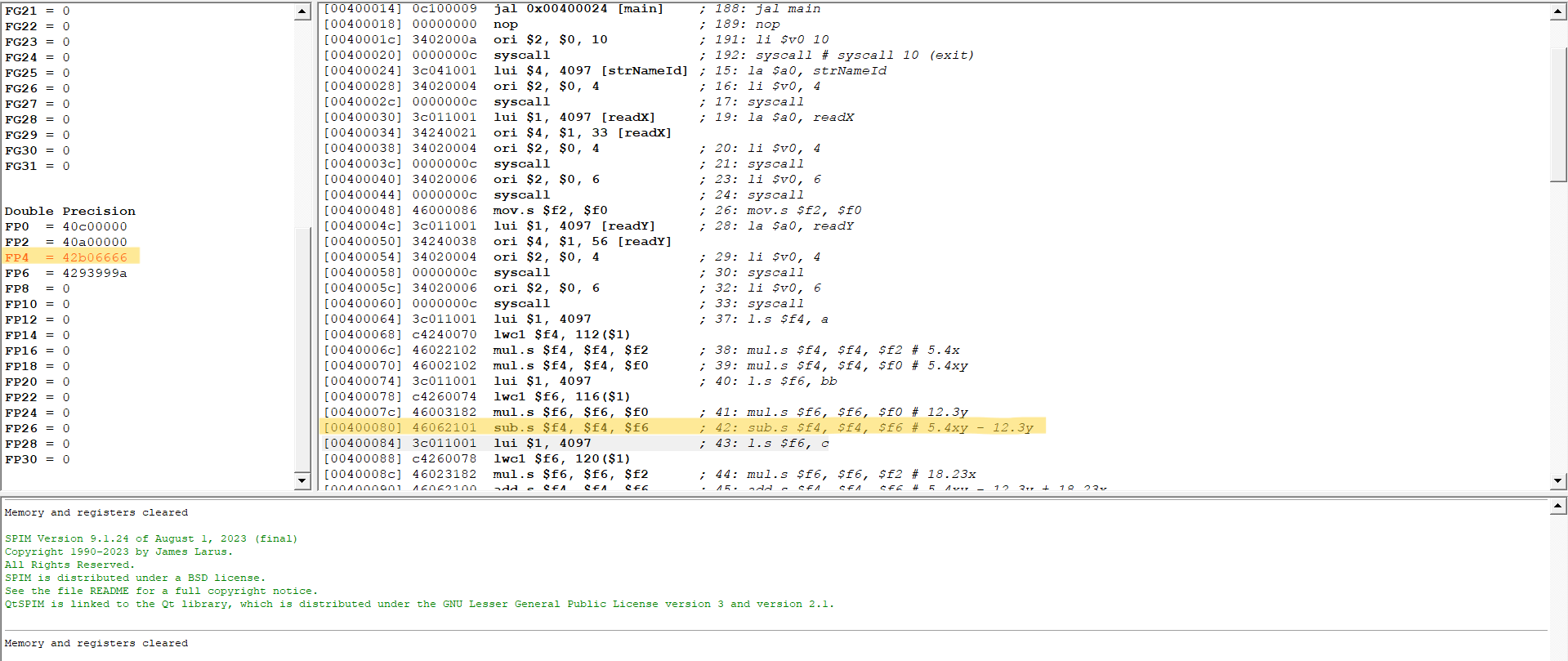
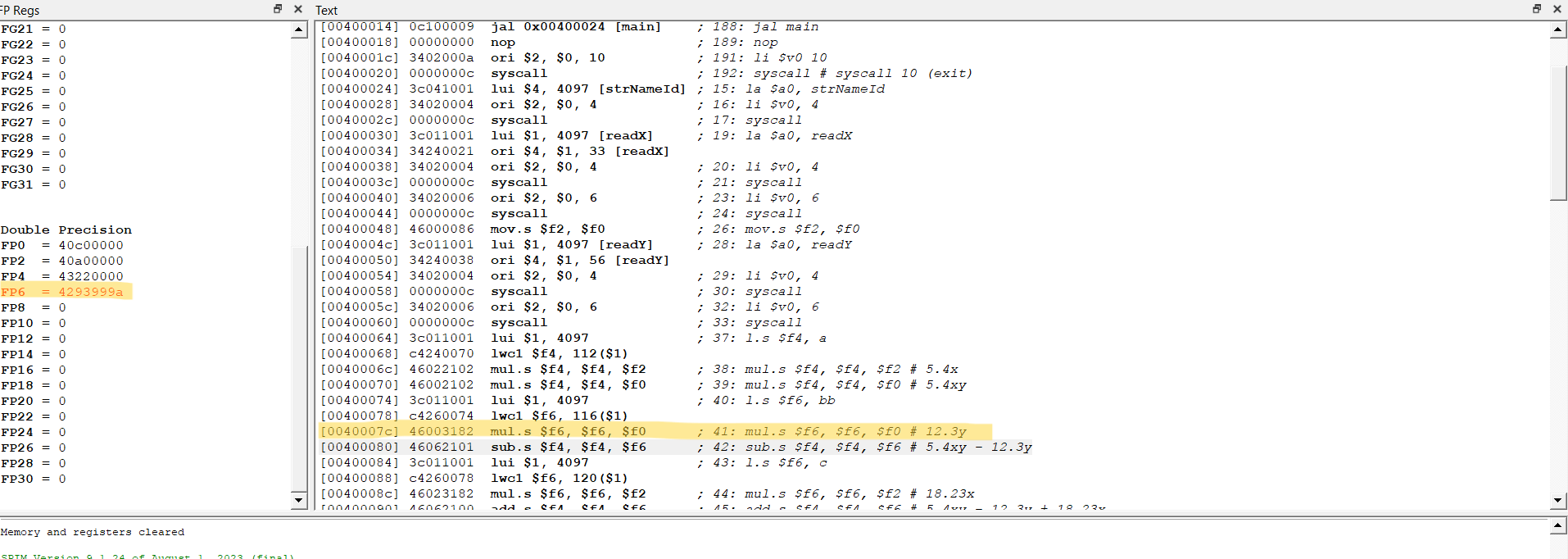
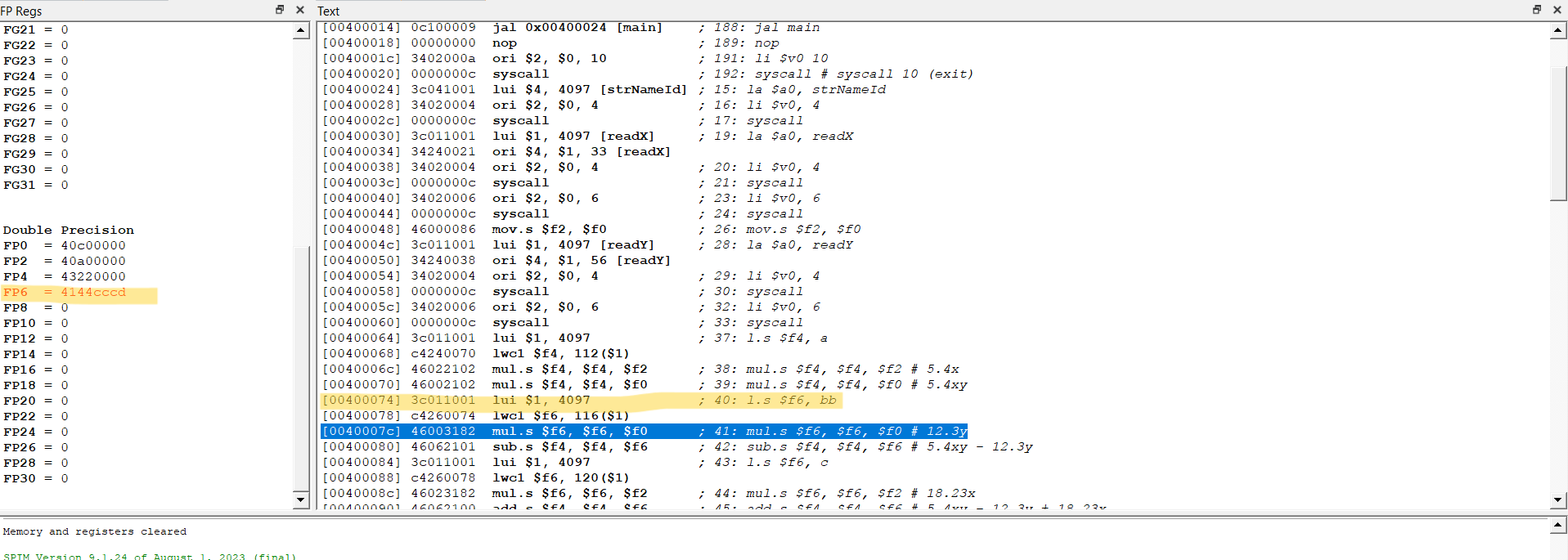
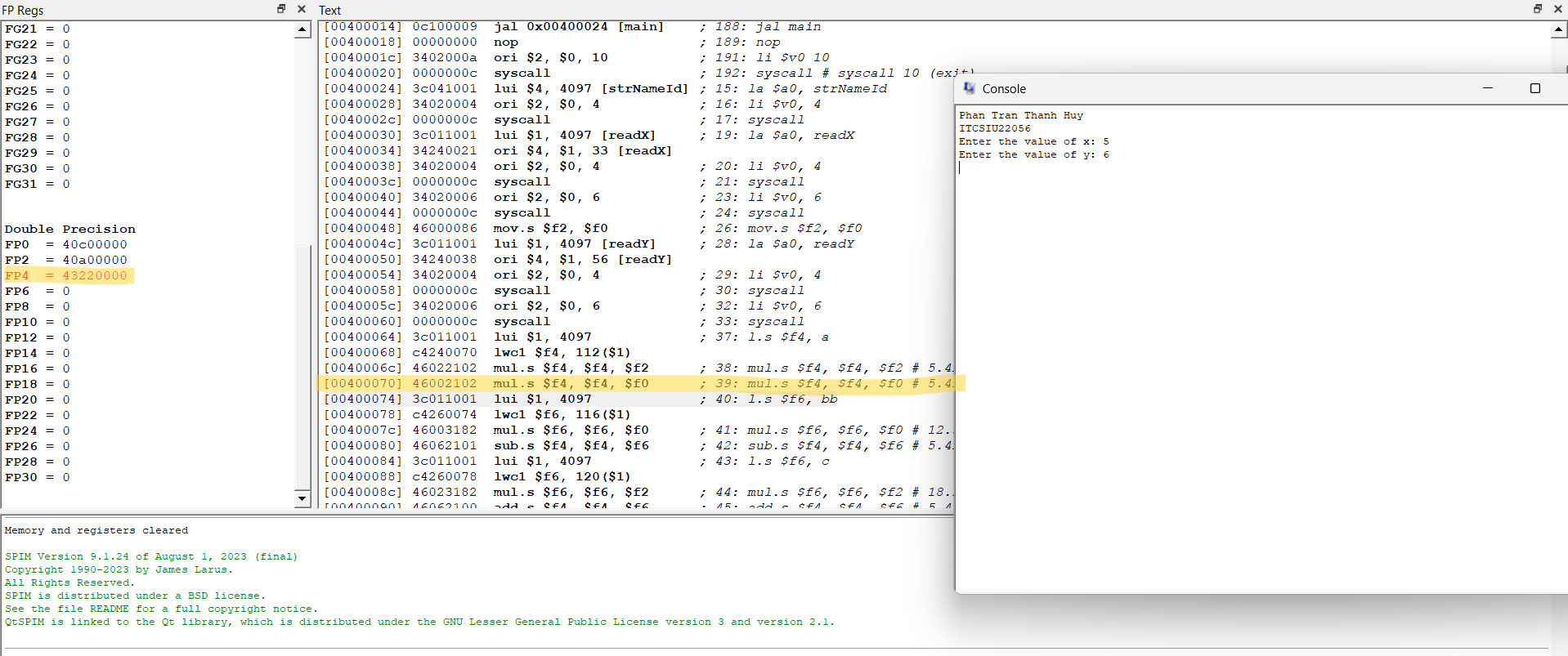
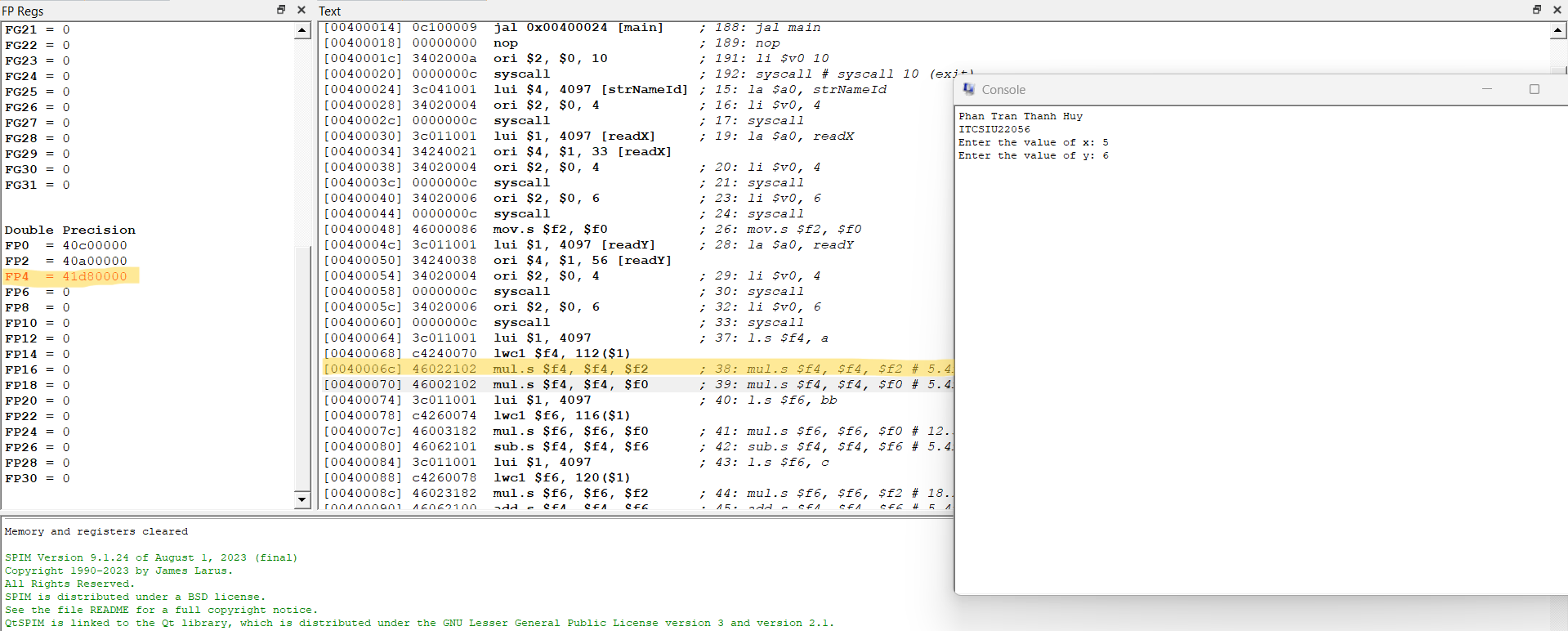
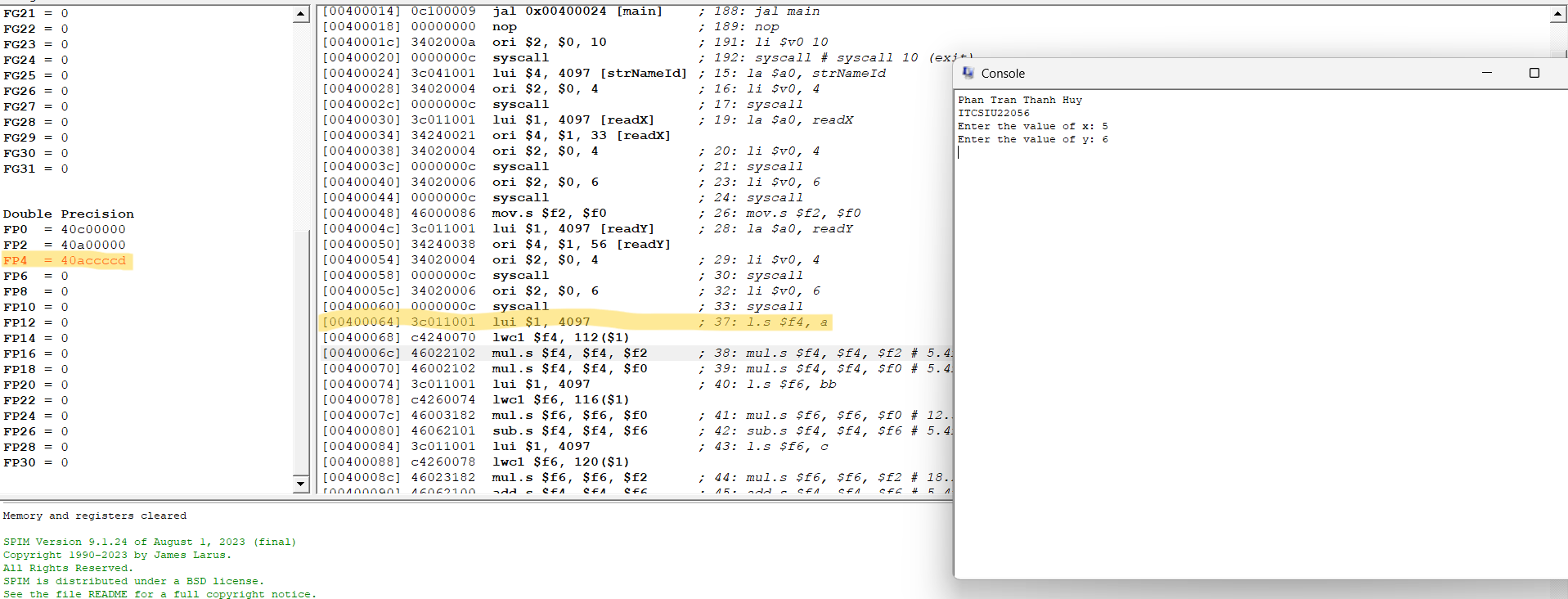
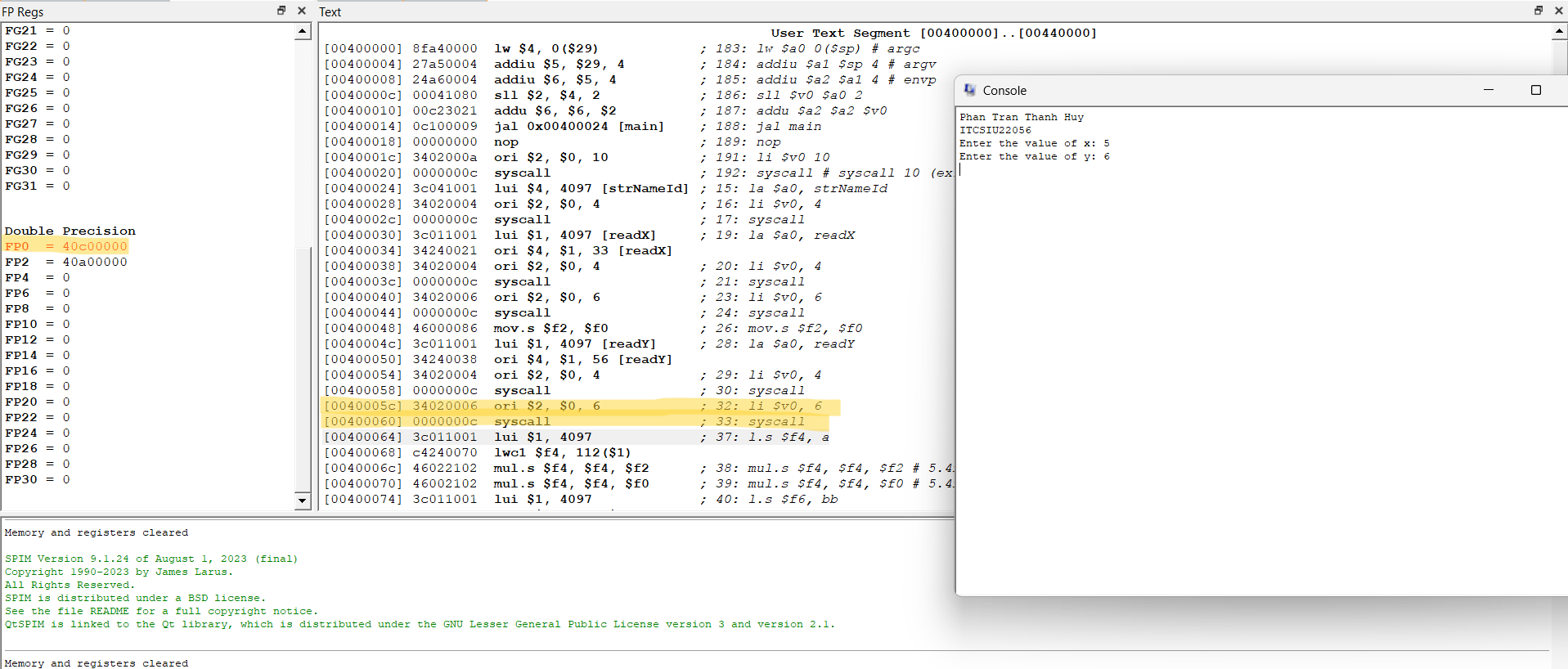
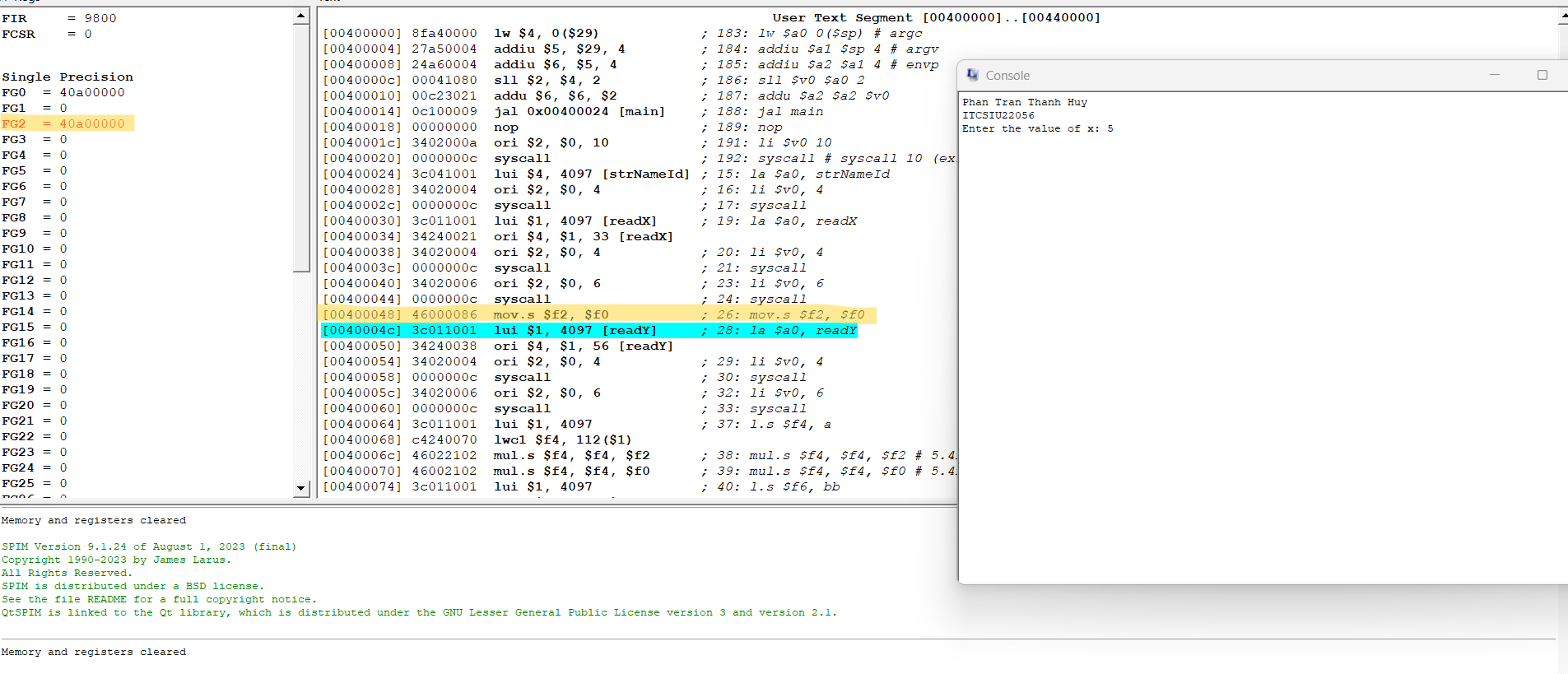
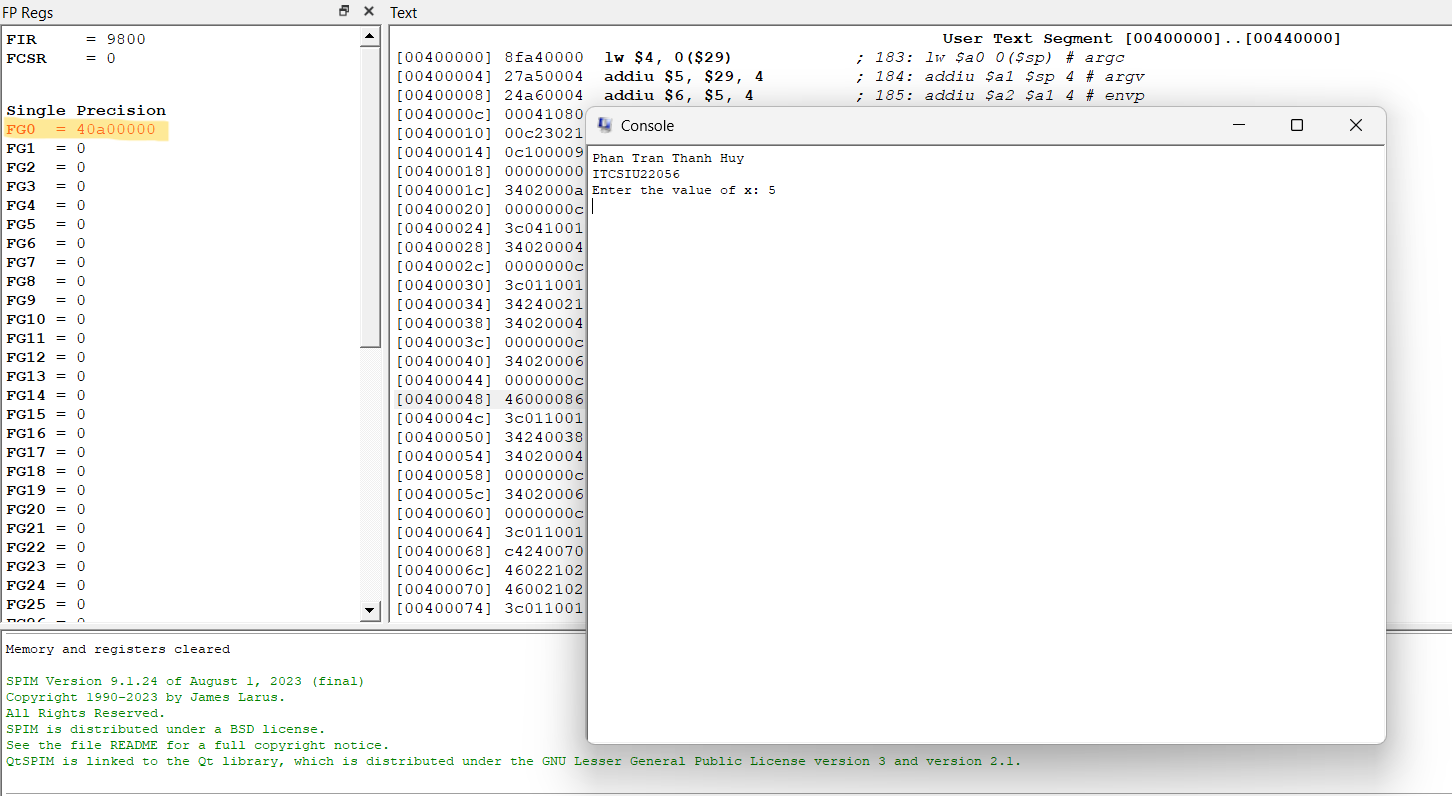
****

**Test case:**

****

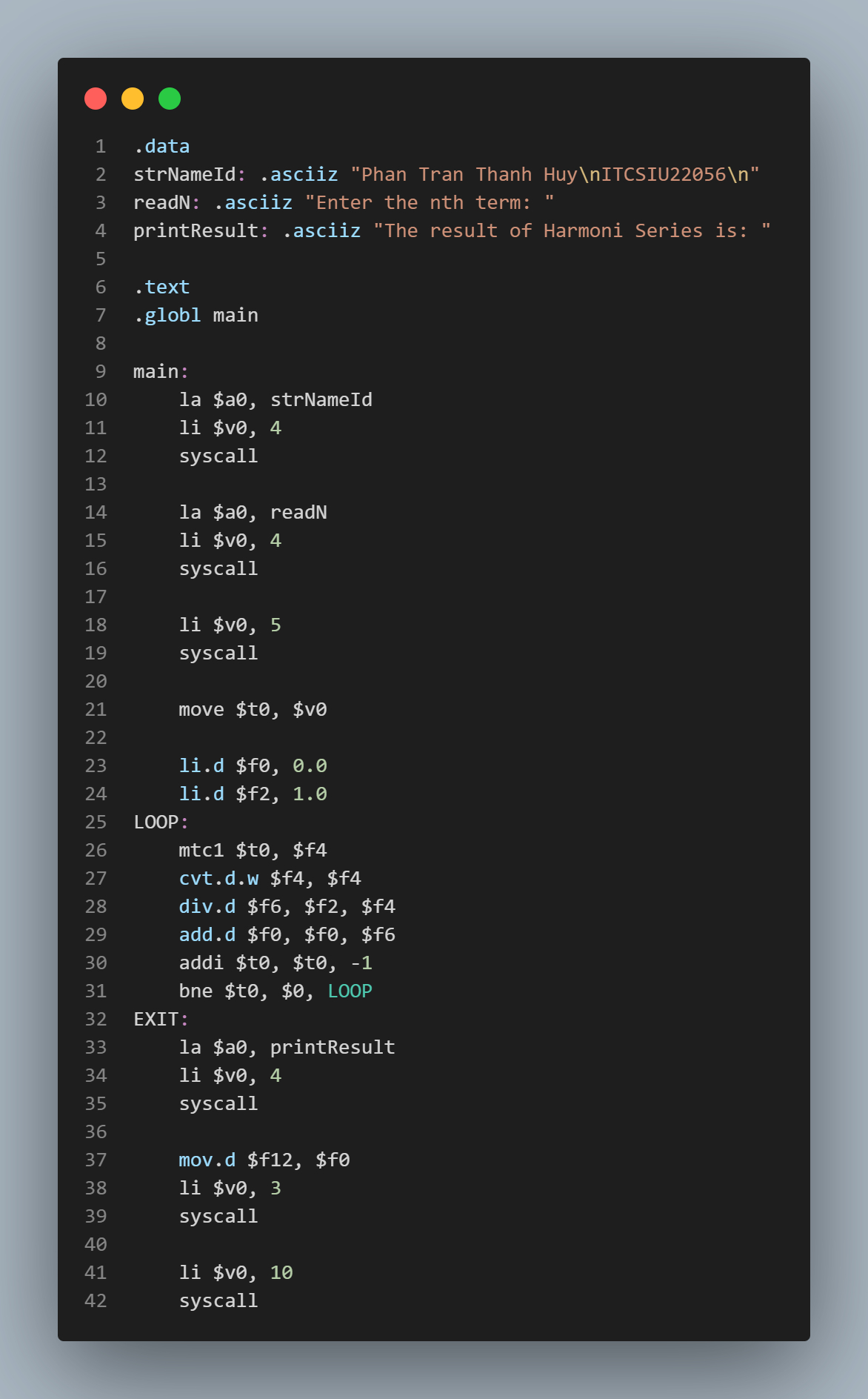
****

**Single Step:**

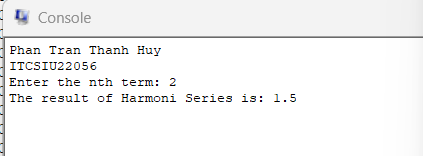
****

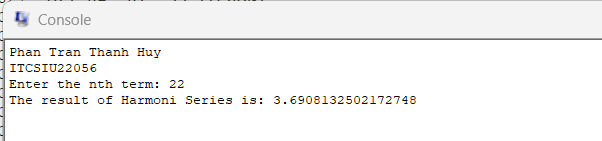
**Exercise 2 – Harmonic Series**

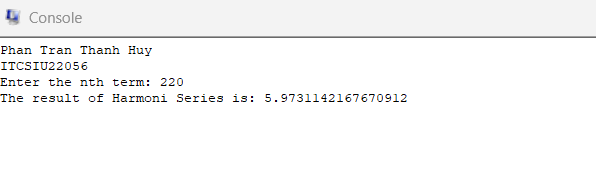
**Code:**

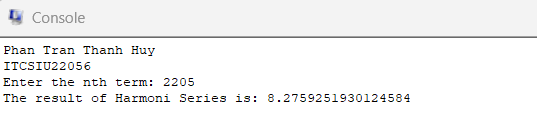
****

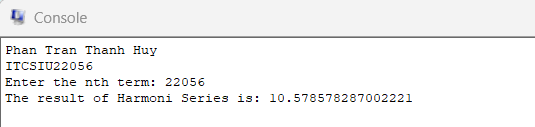
**Test case:**

****

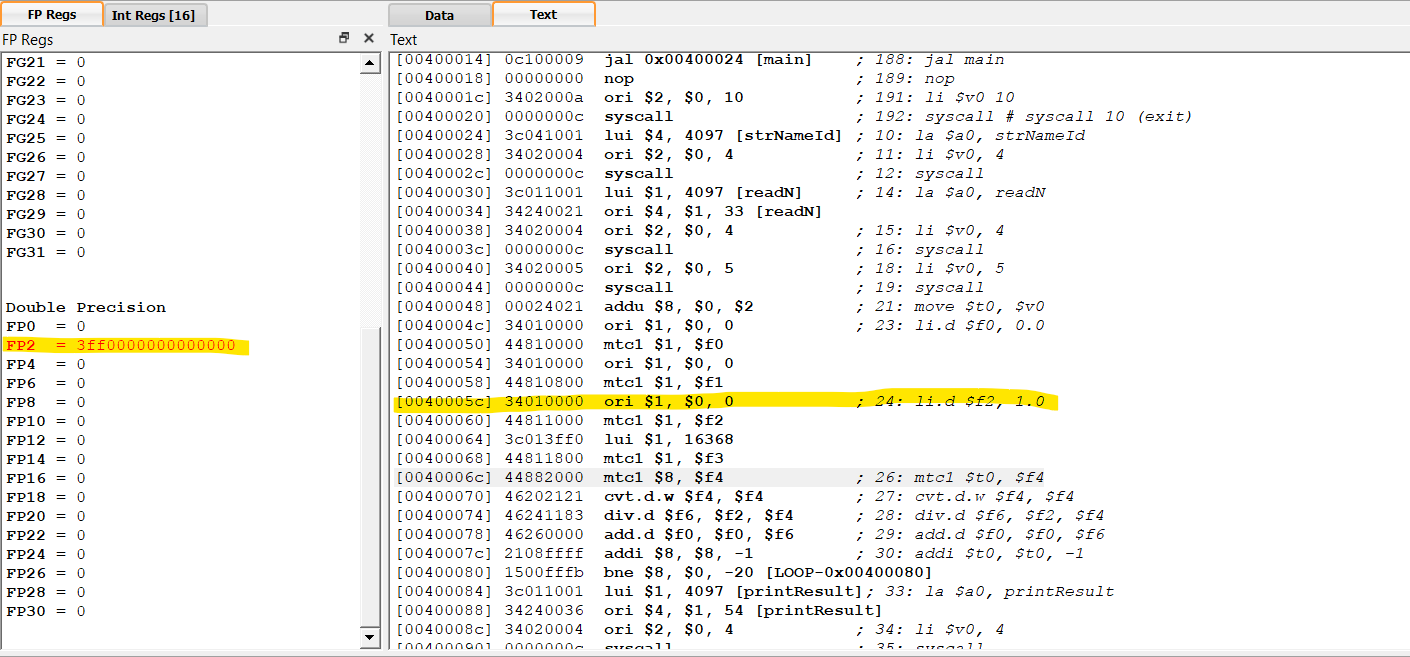
****

****

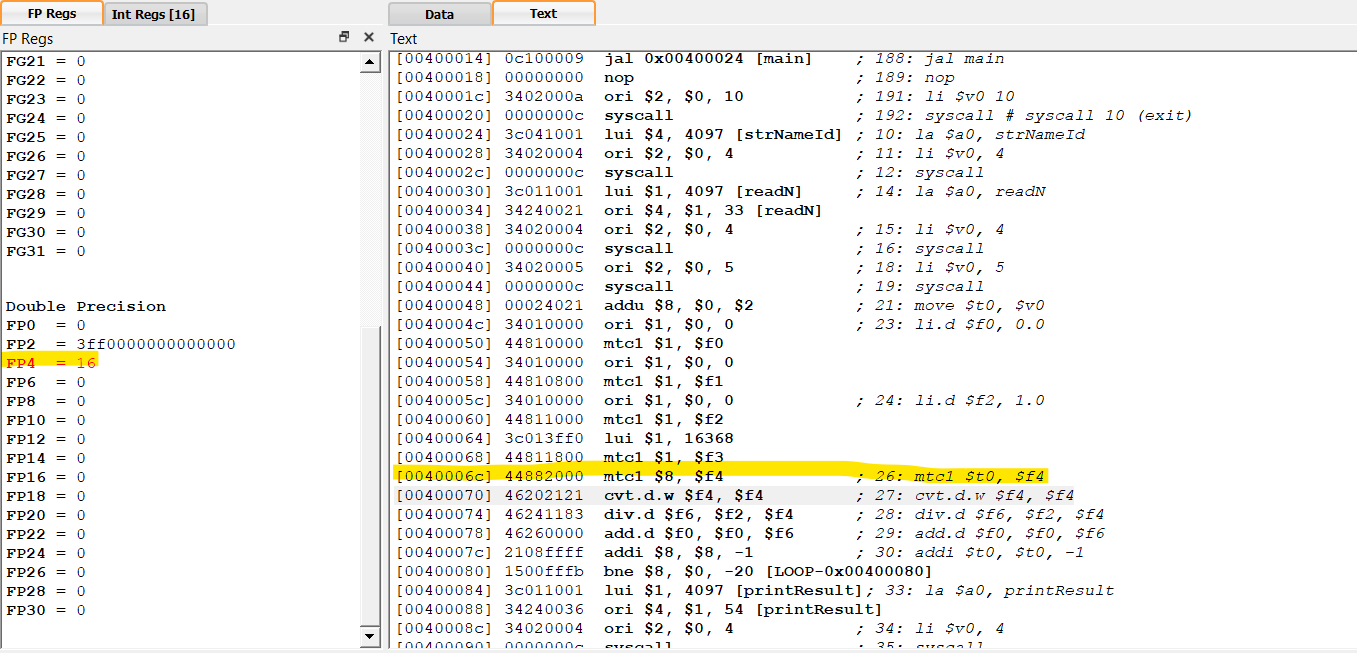
****

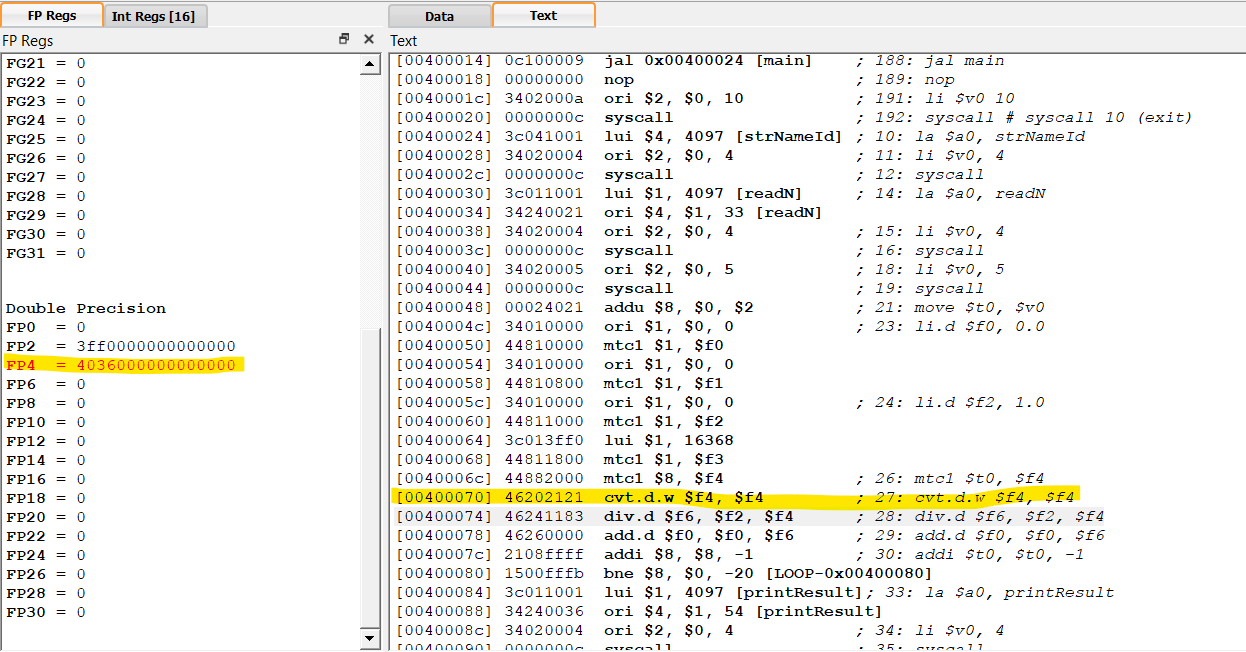
****

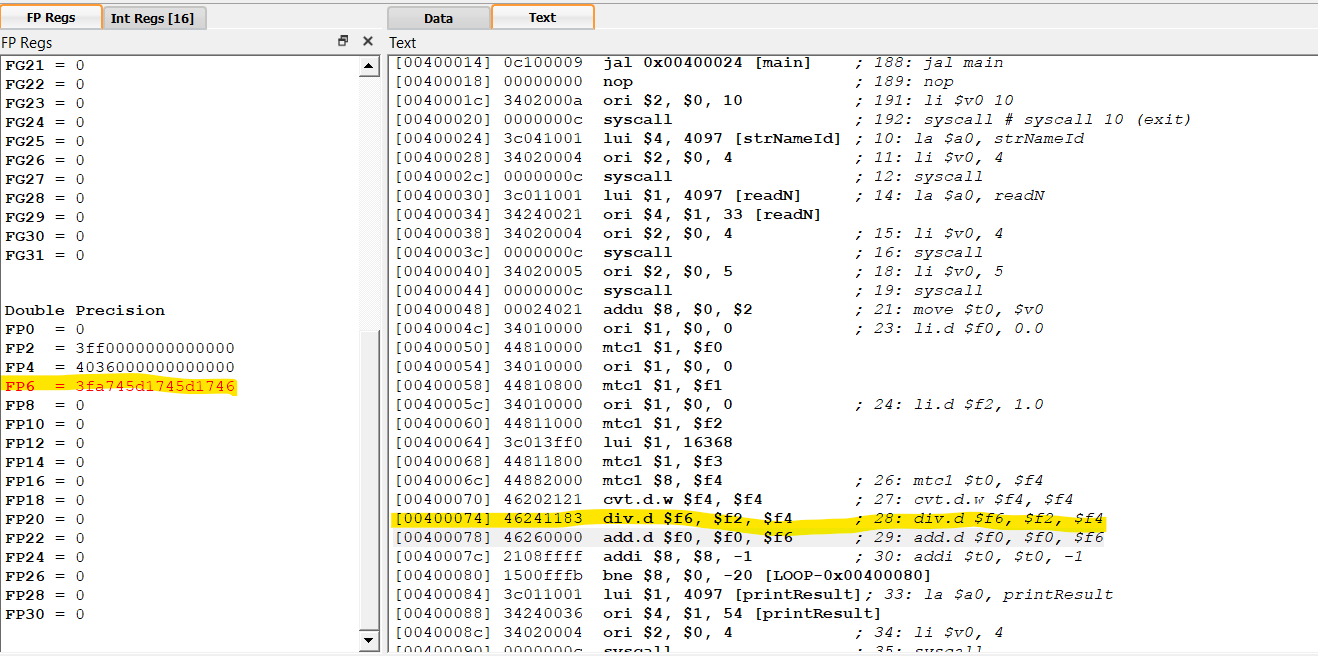
**Single Step:**

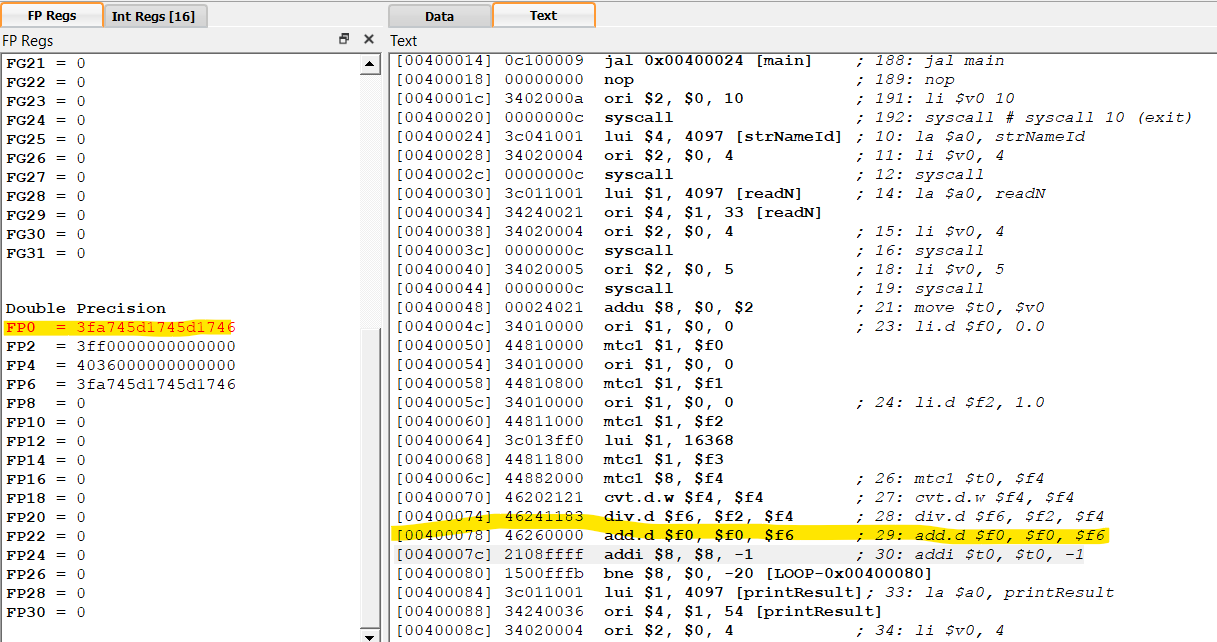
****

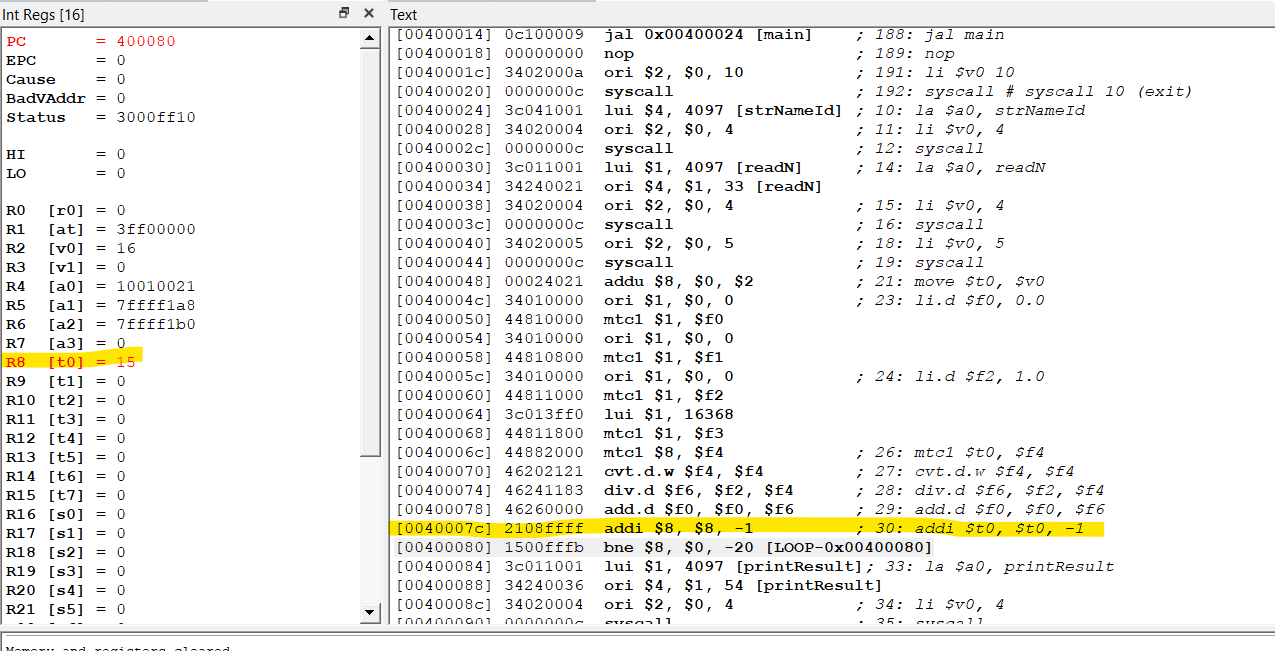
Calculating step:

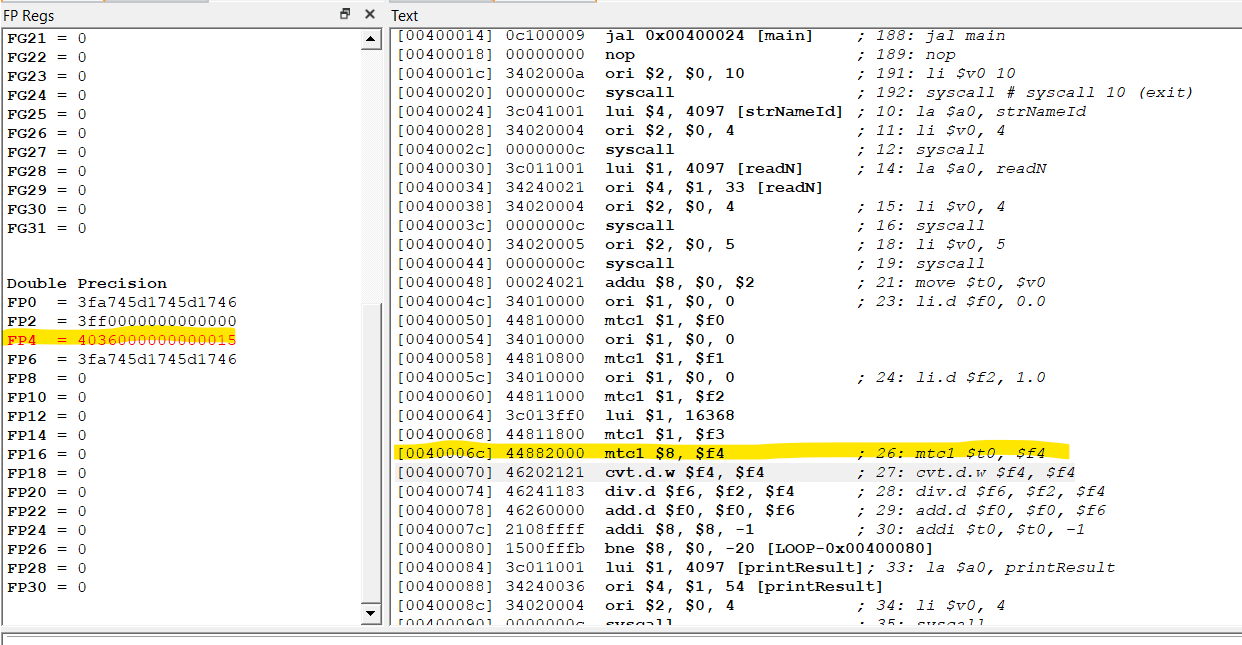
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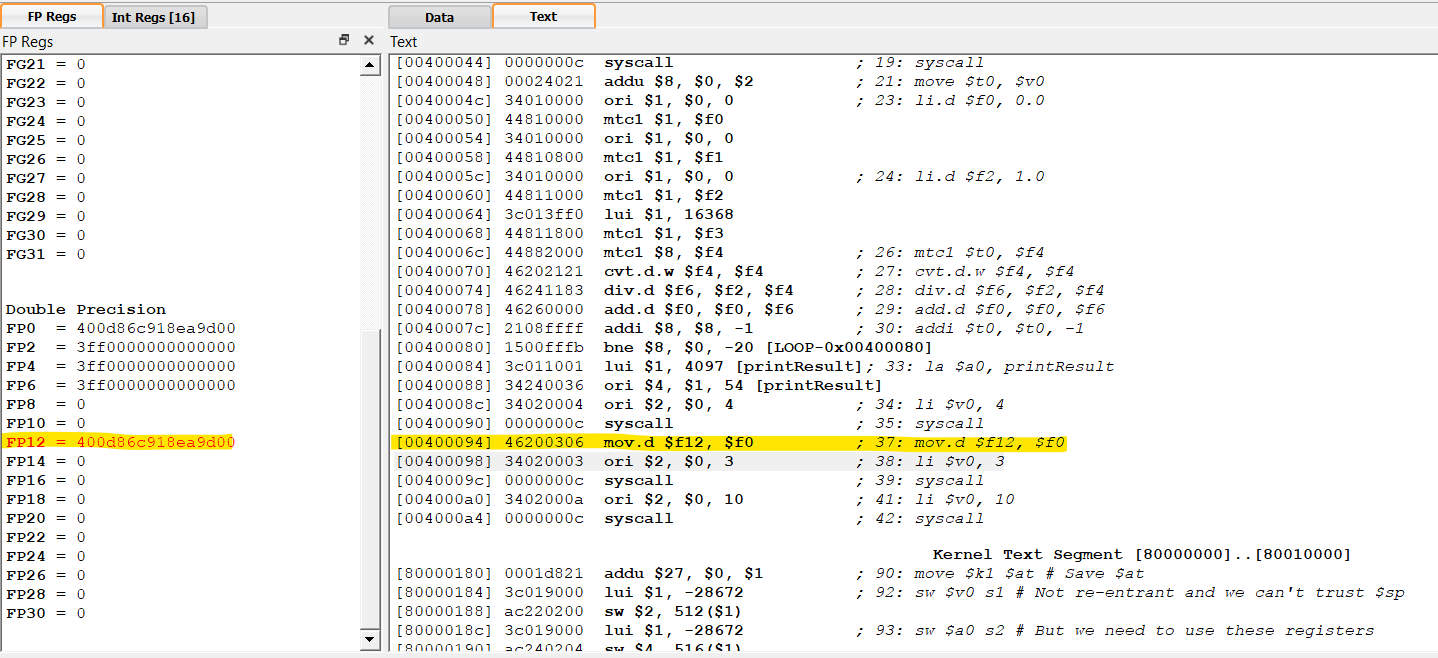
****

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It will repeat the same step until the t0 = 0

Print the result:

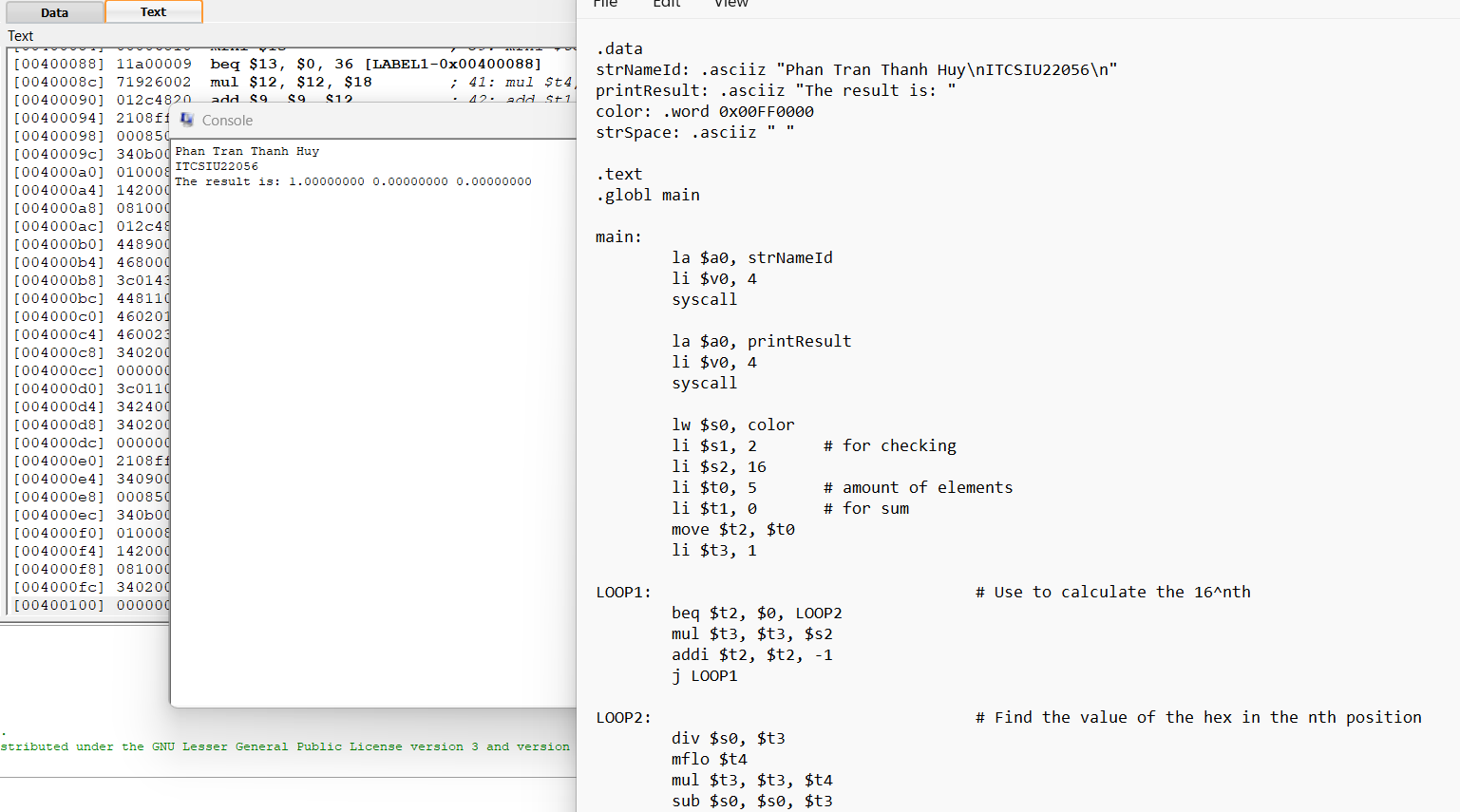


**Exercise 3 – Web Page RGB Colors**

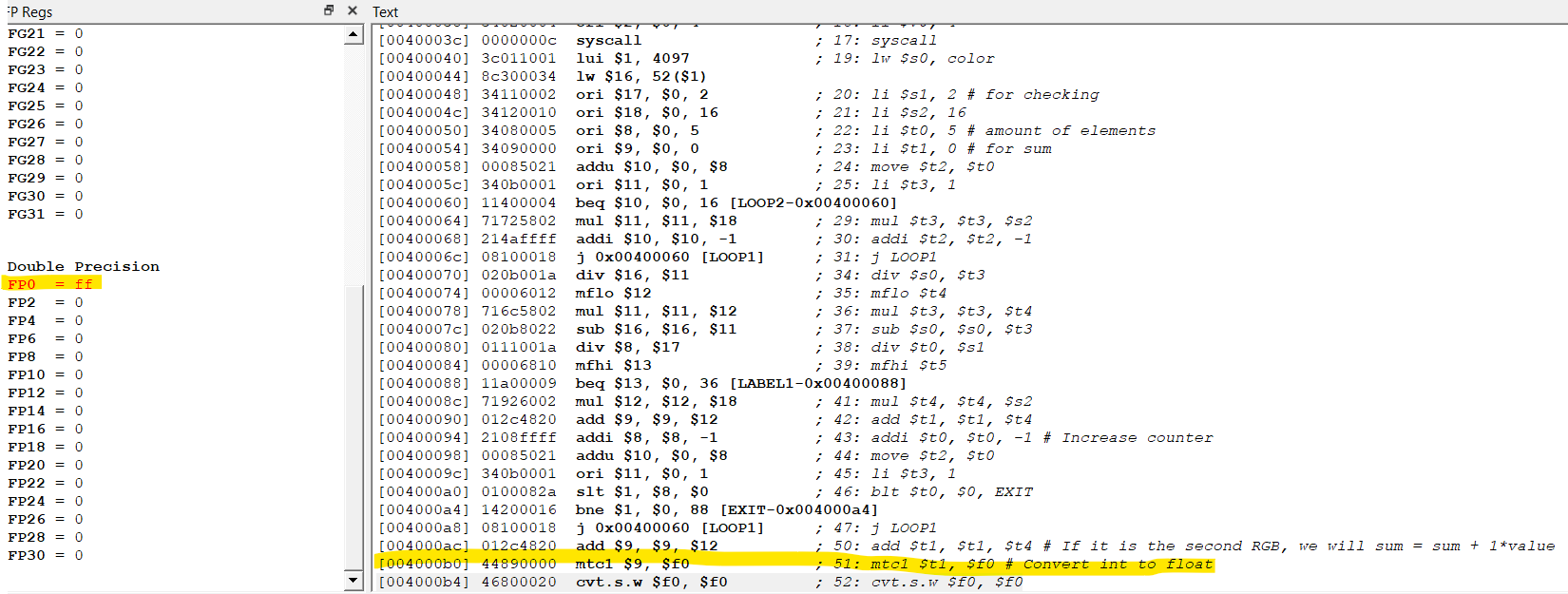
**Code:**

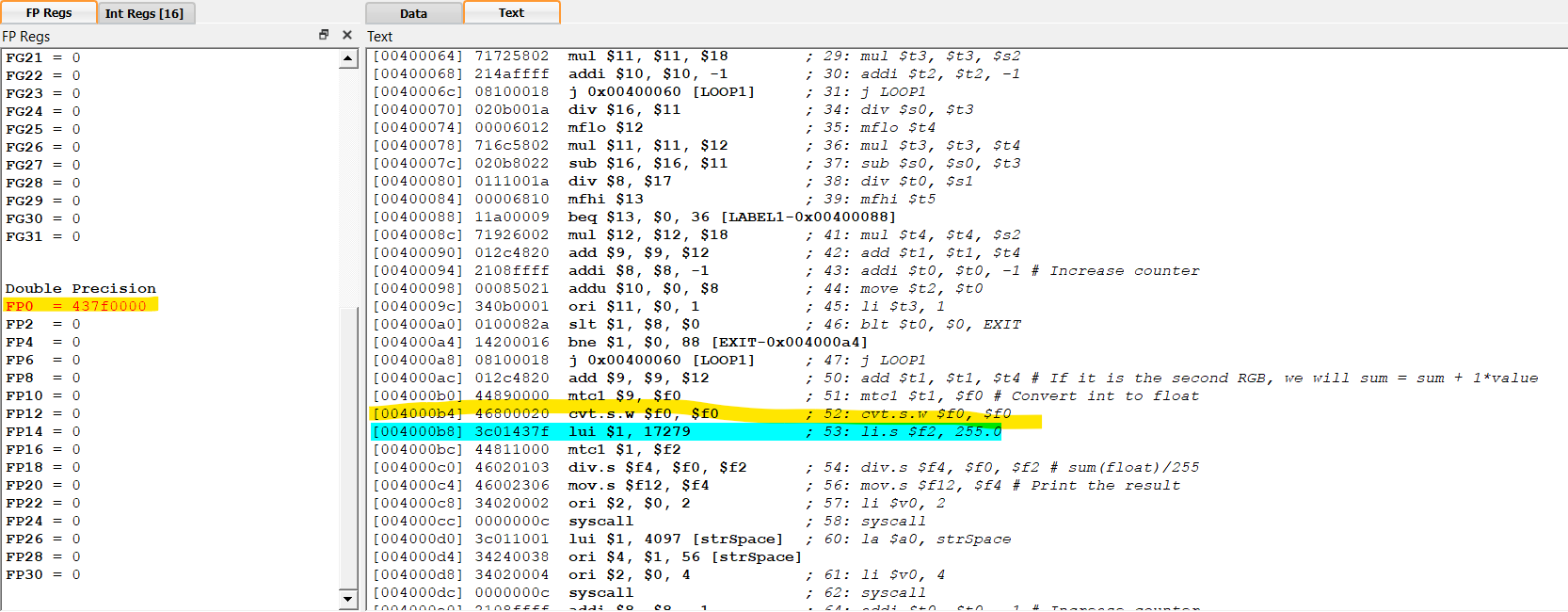
****

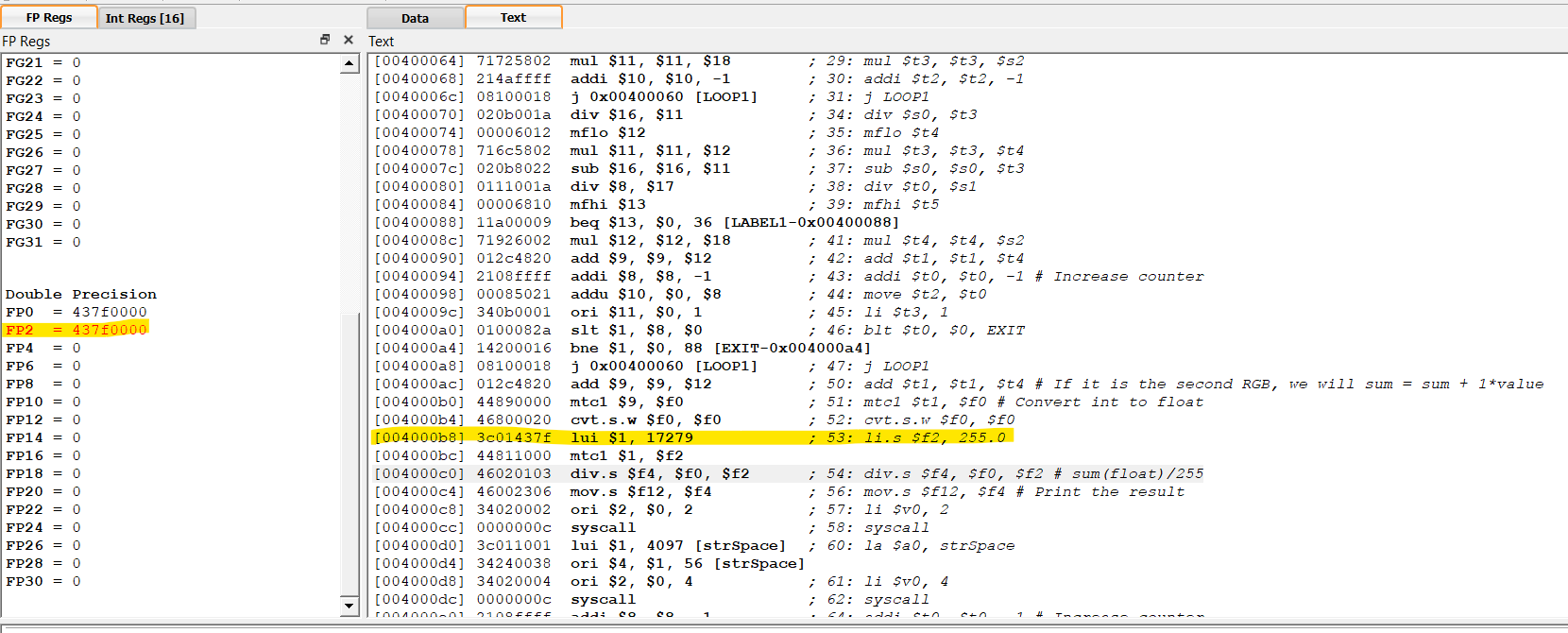
**Test case:**

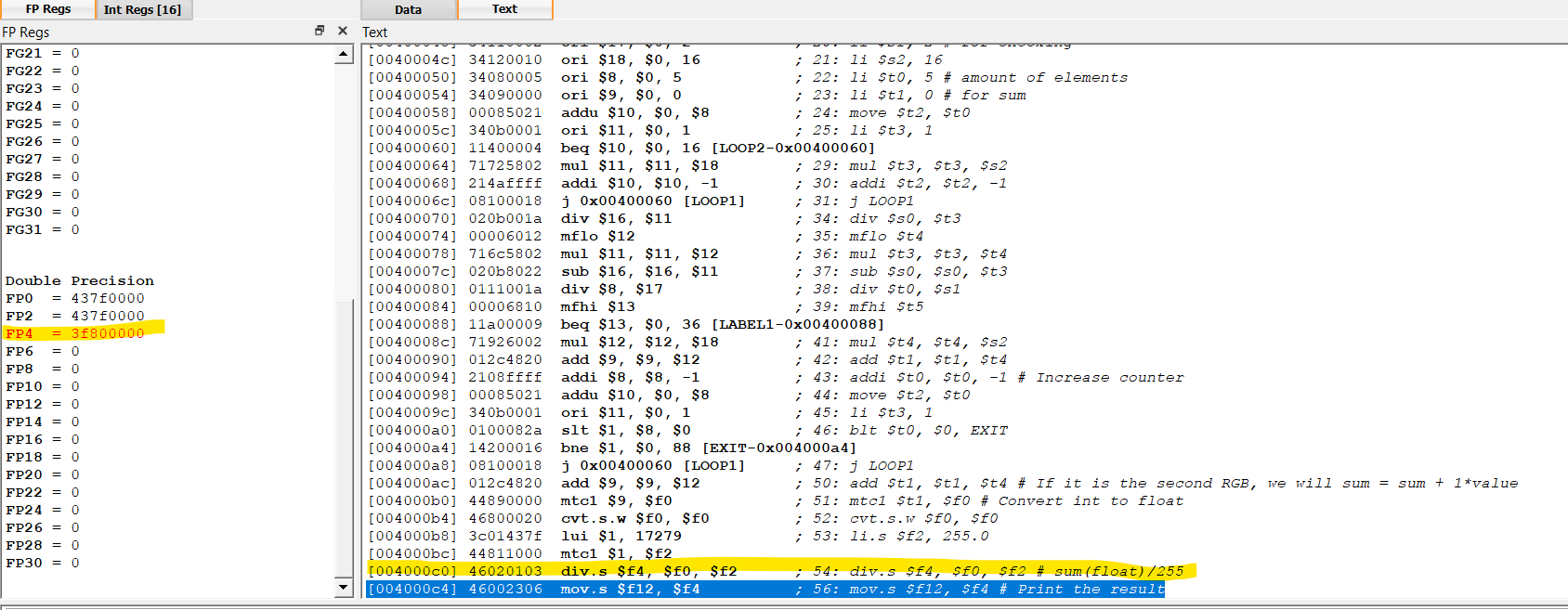
****

**Single Step:**

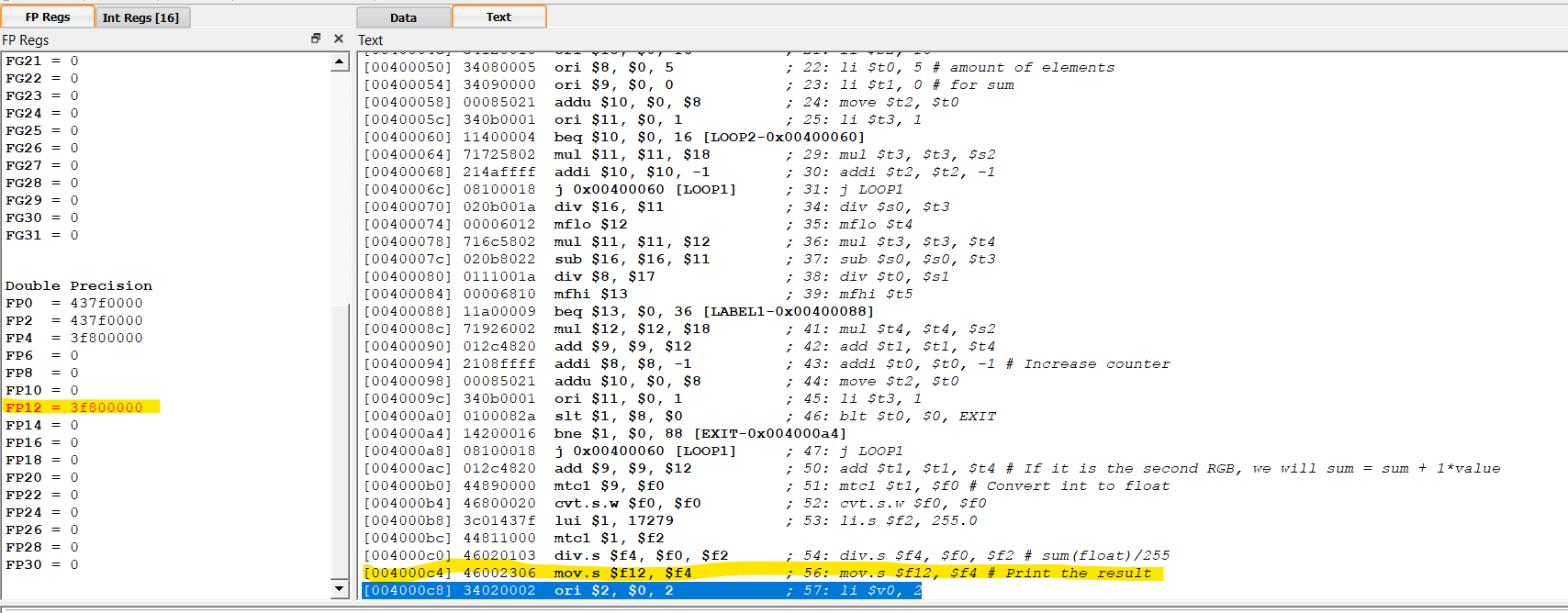
****

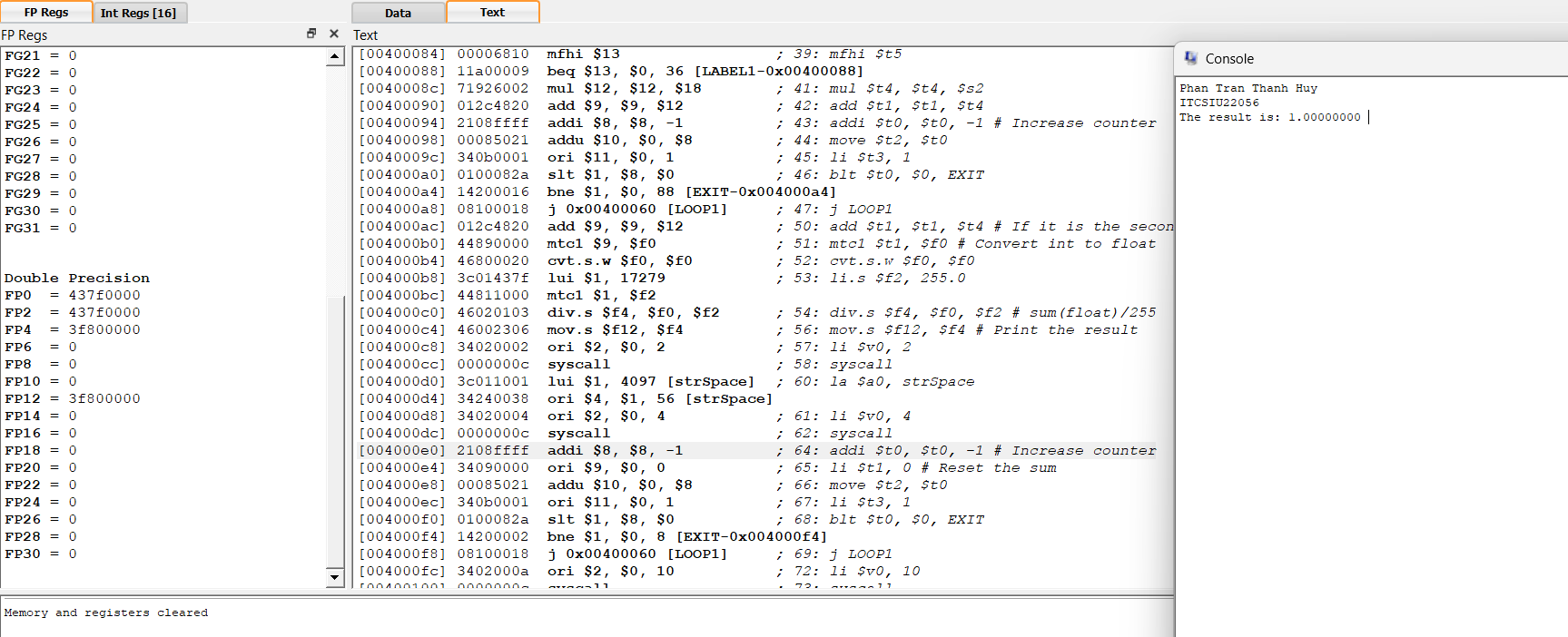
****

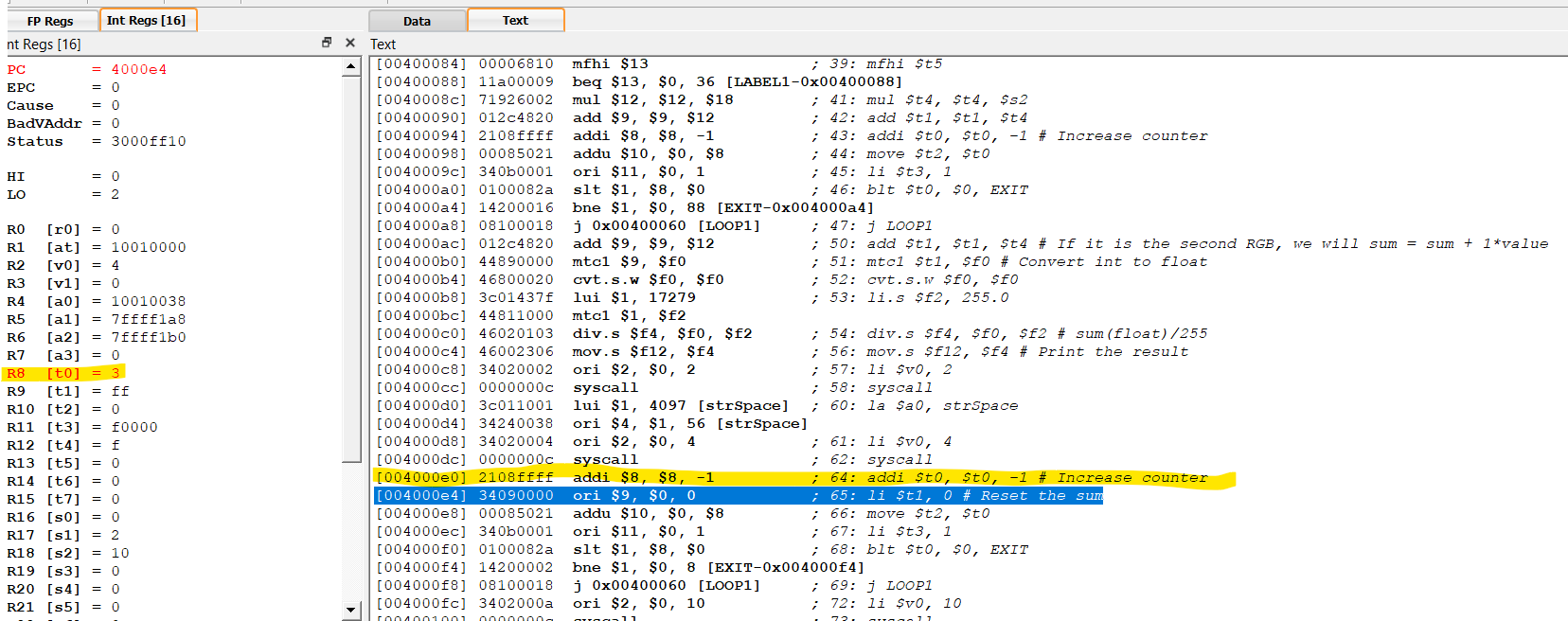
****

****

Print the result:

****

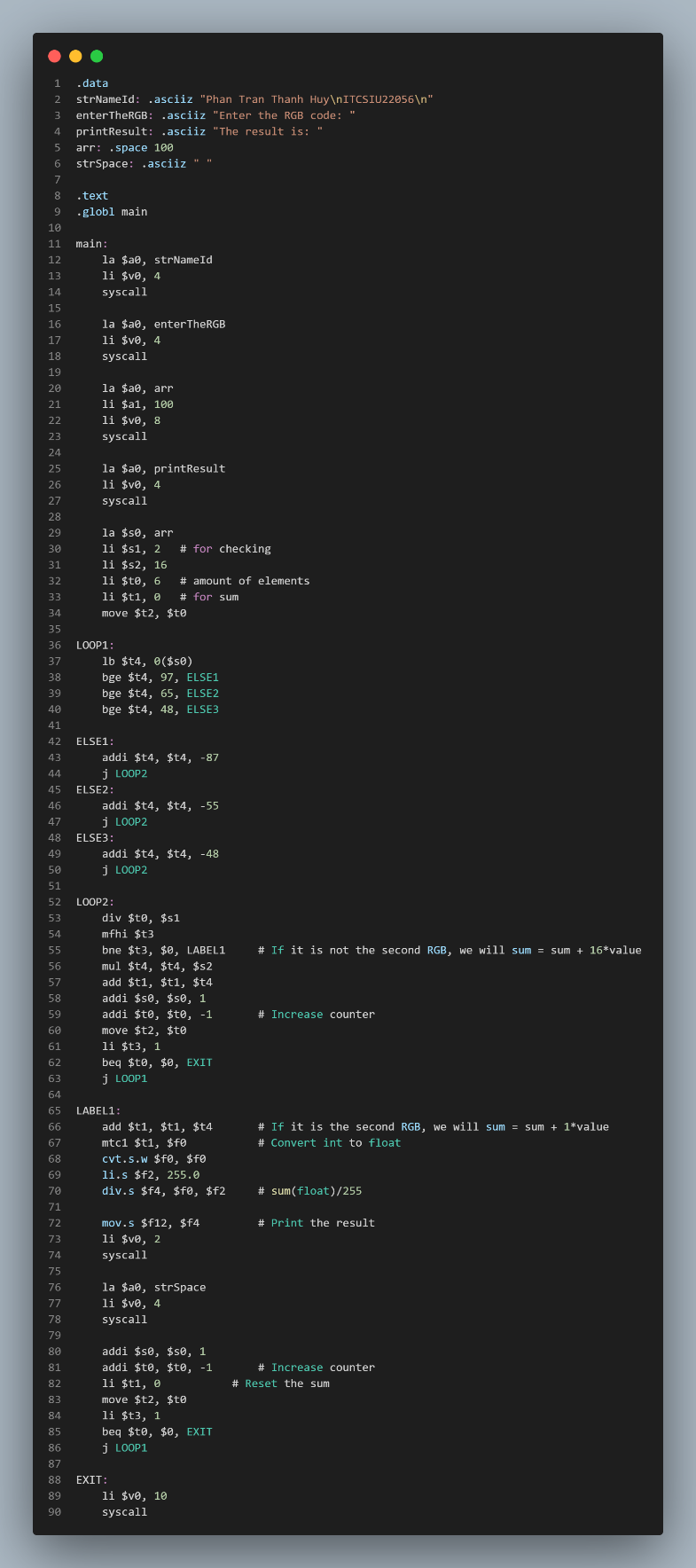
****

****

It will repeat the same step until the t0 = 0

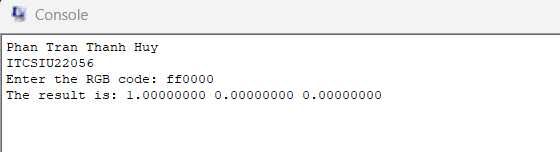
***Extra (Input the RGB code):***

**Code:**

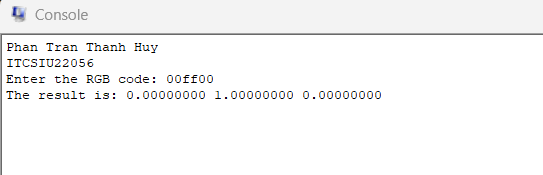
****

**Test case:**

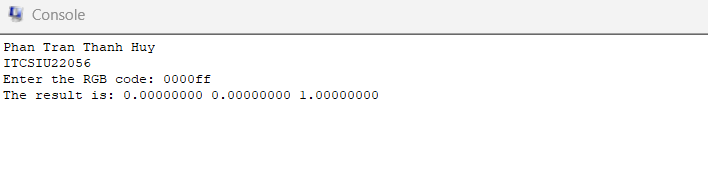
Pure Red:



Pure Green:

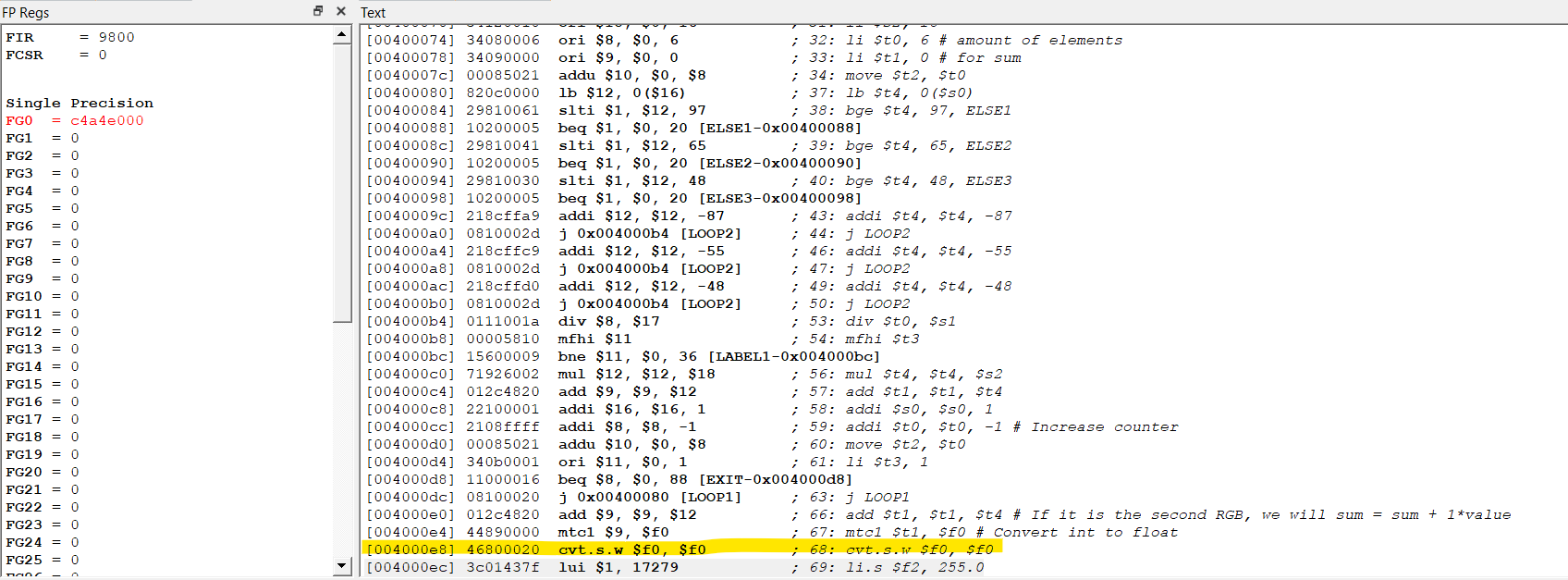


Pure Blue:



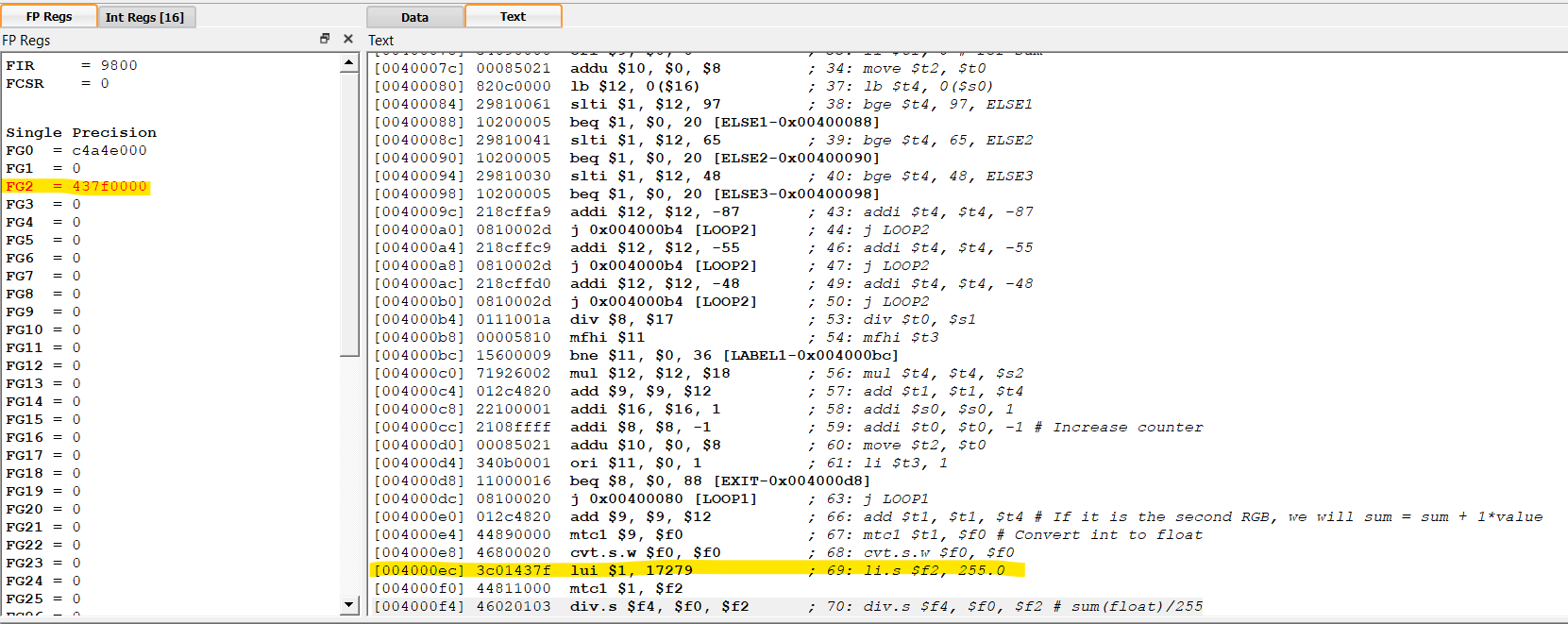
**Single Step:**

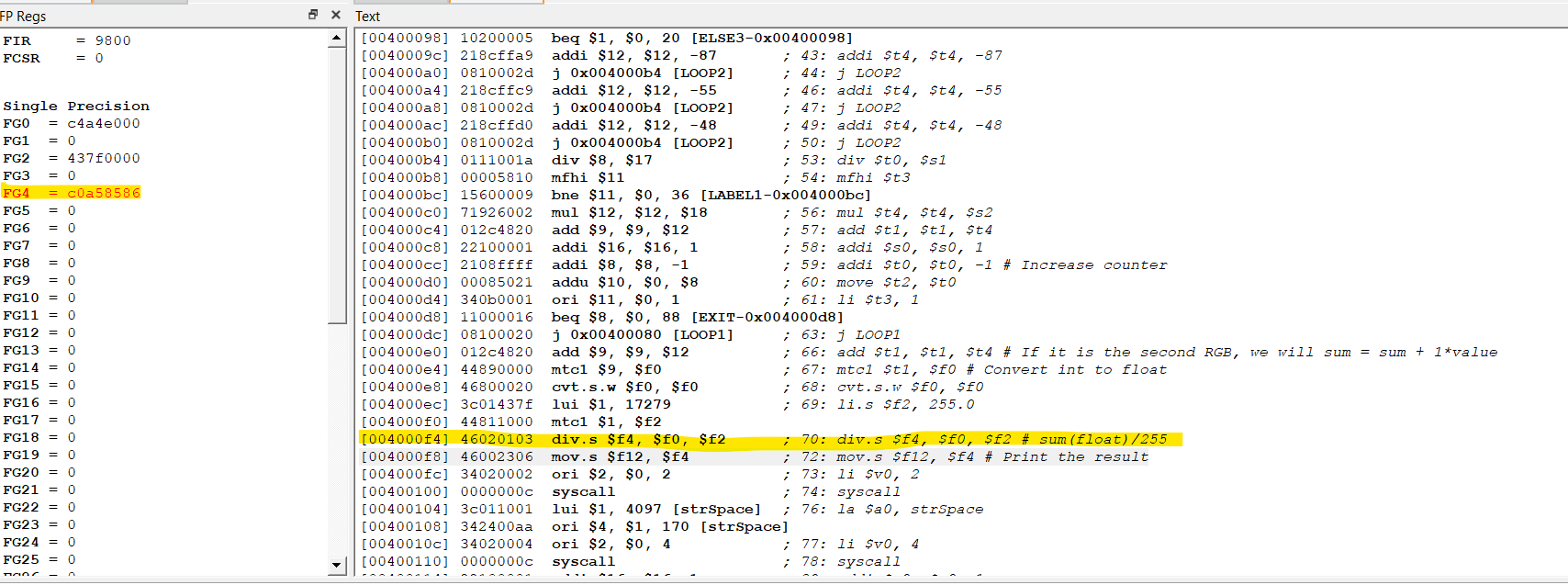
Convert to float to divide 255



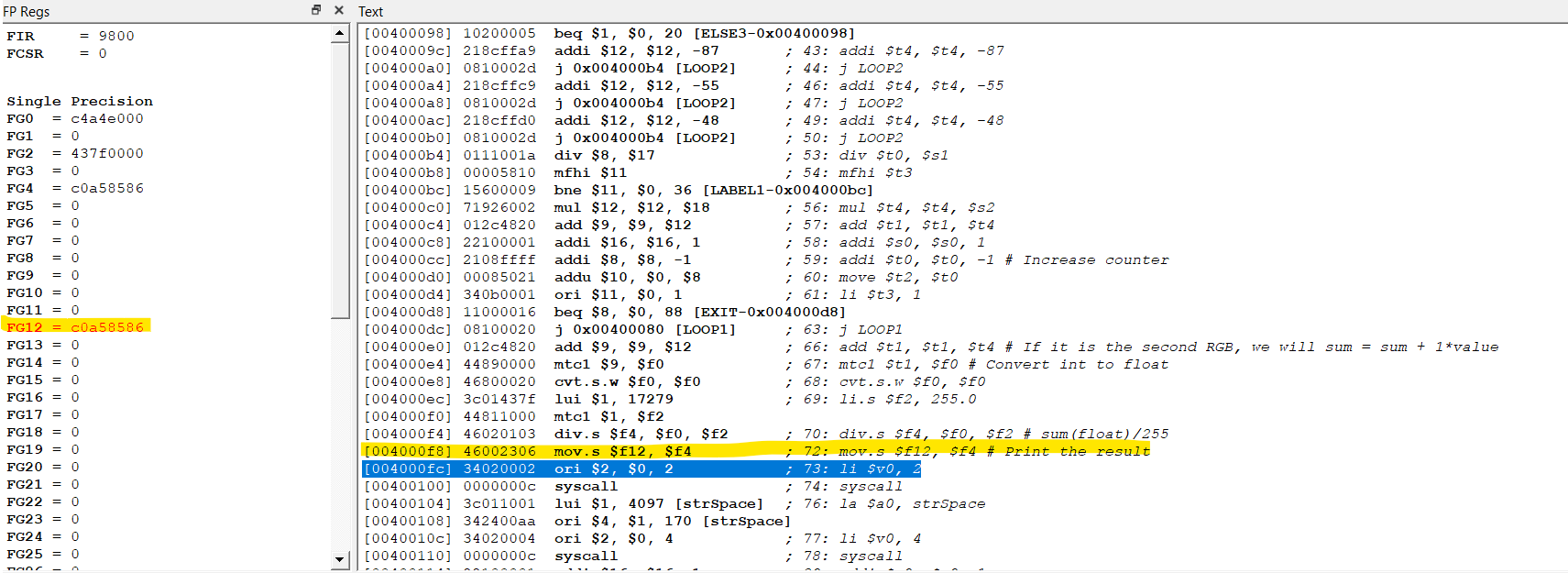


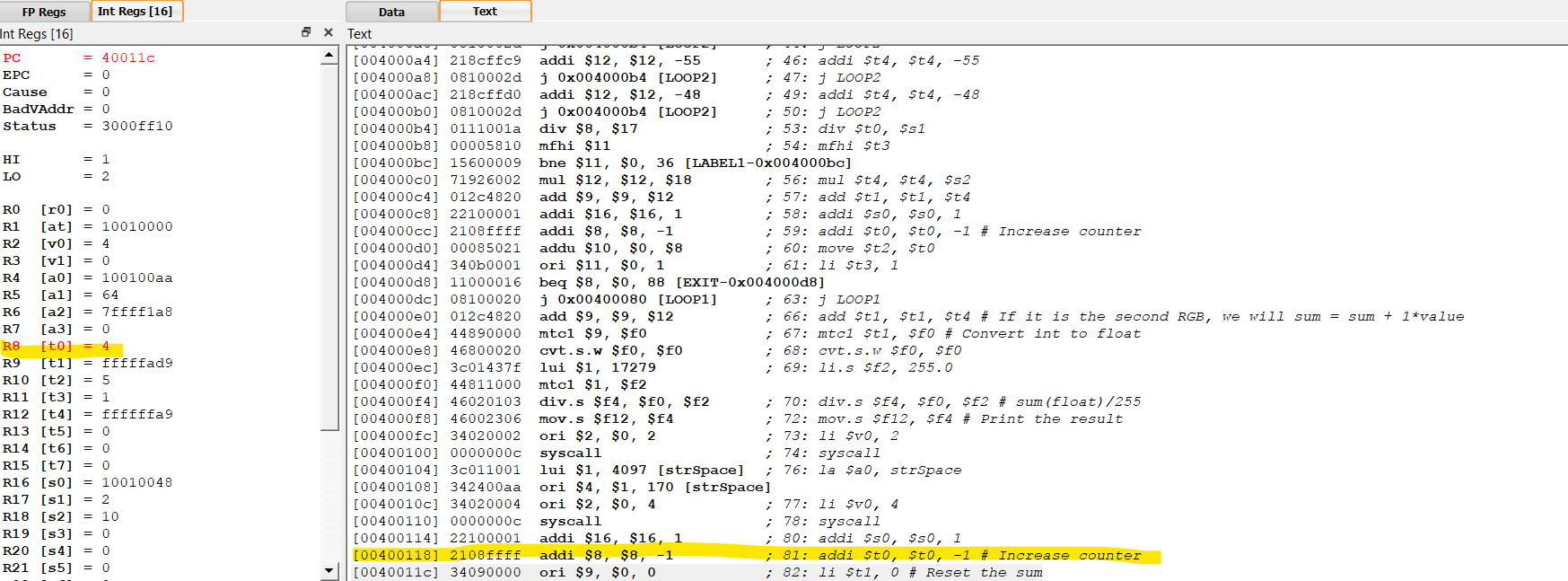
Divide the number to 255 step:





Print the result:

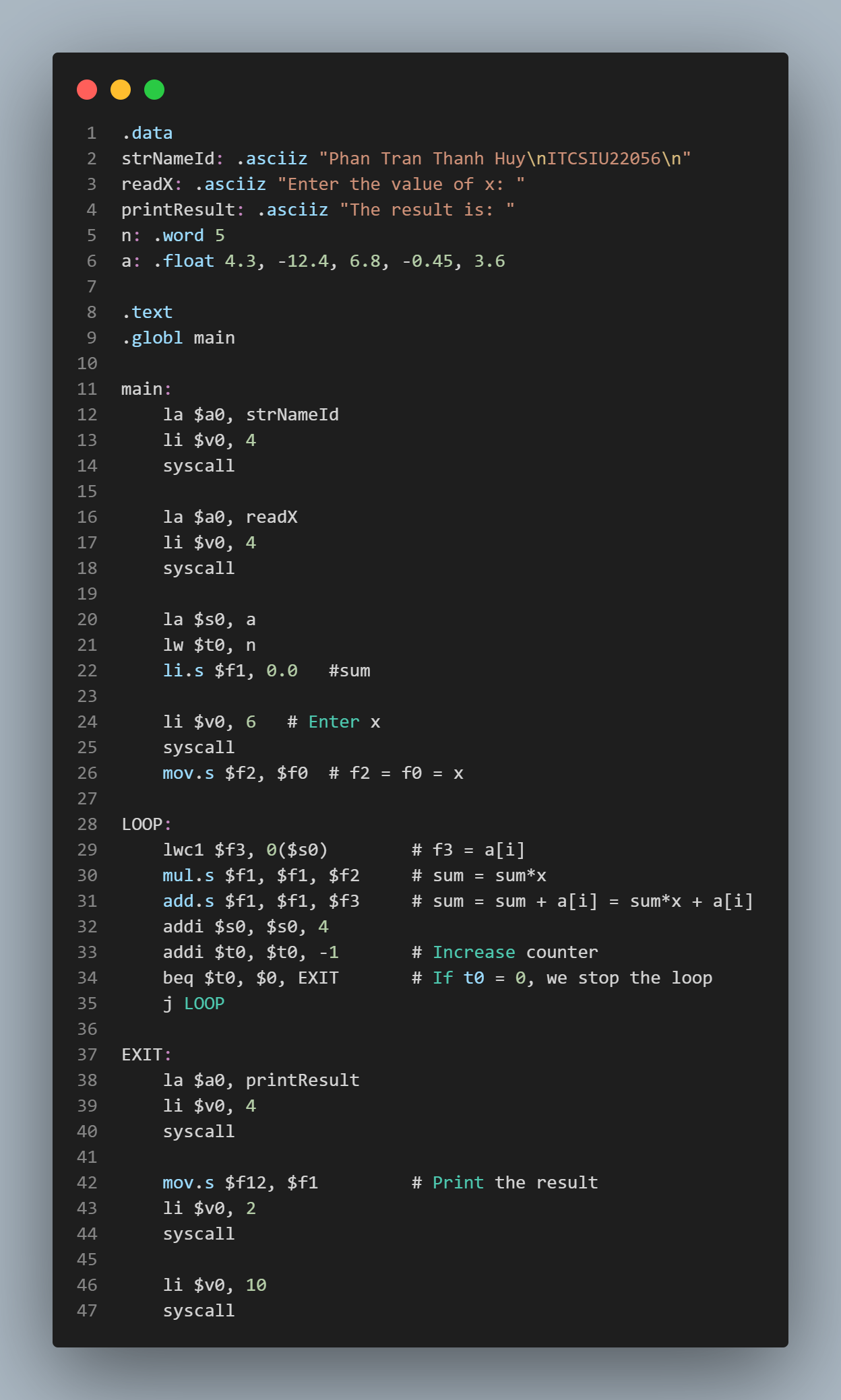




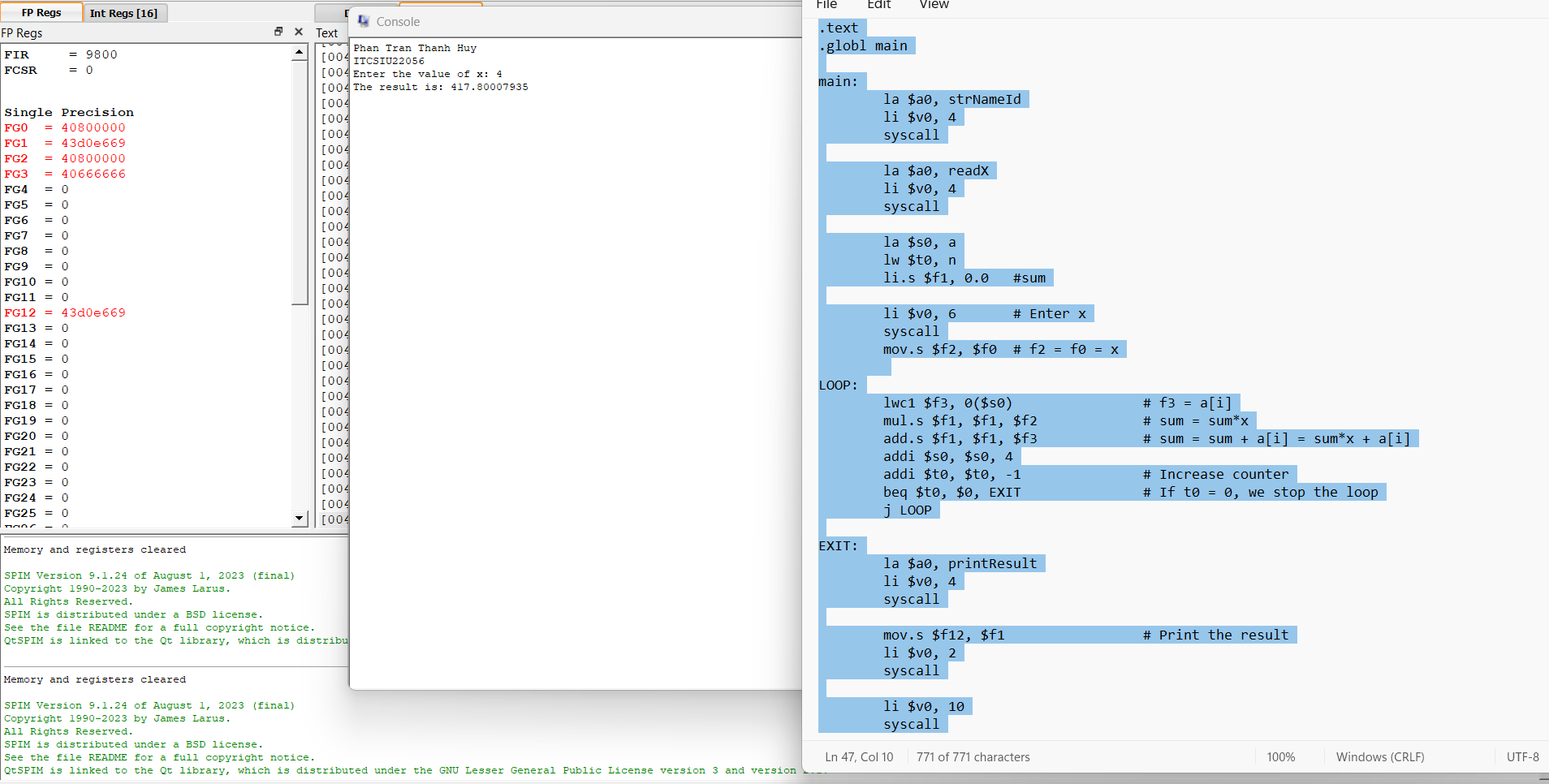
It will repeat until t0 = 0

**Exercise 4 – Polynomial Evaluation**

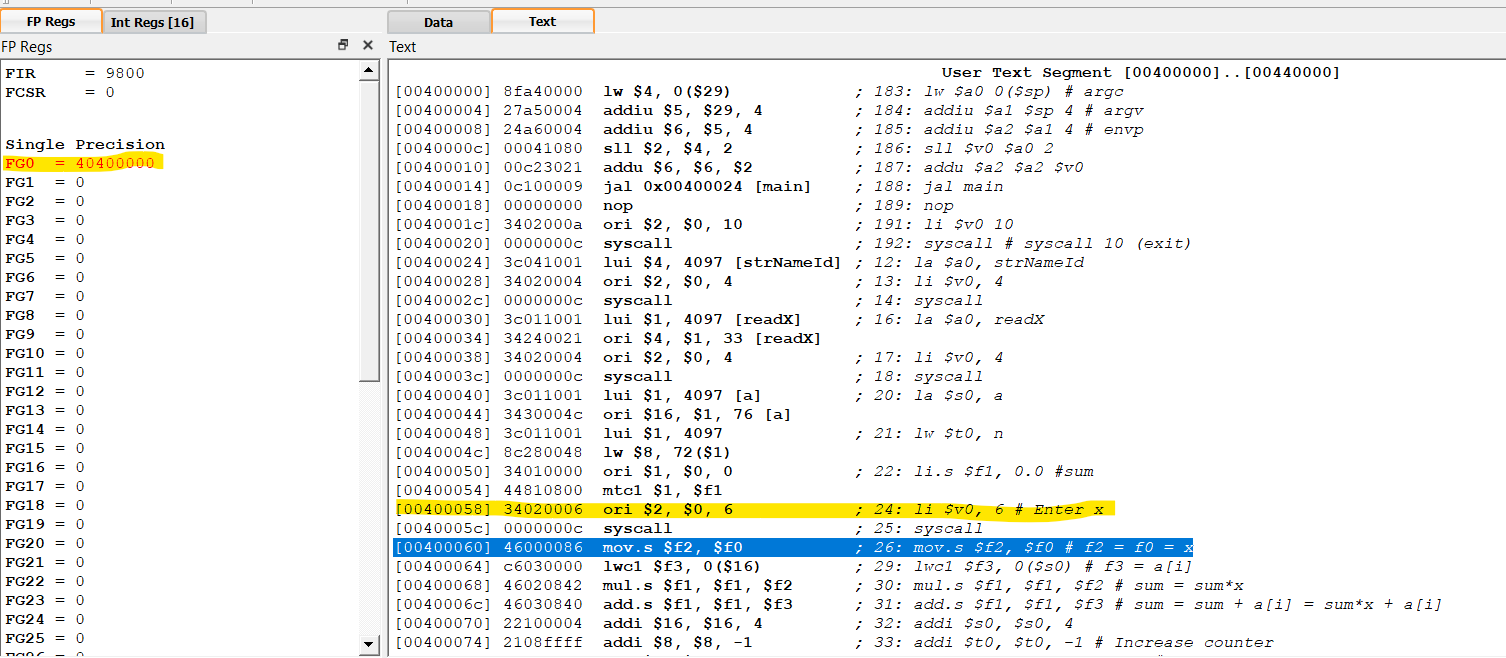
**Code:**

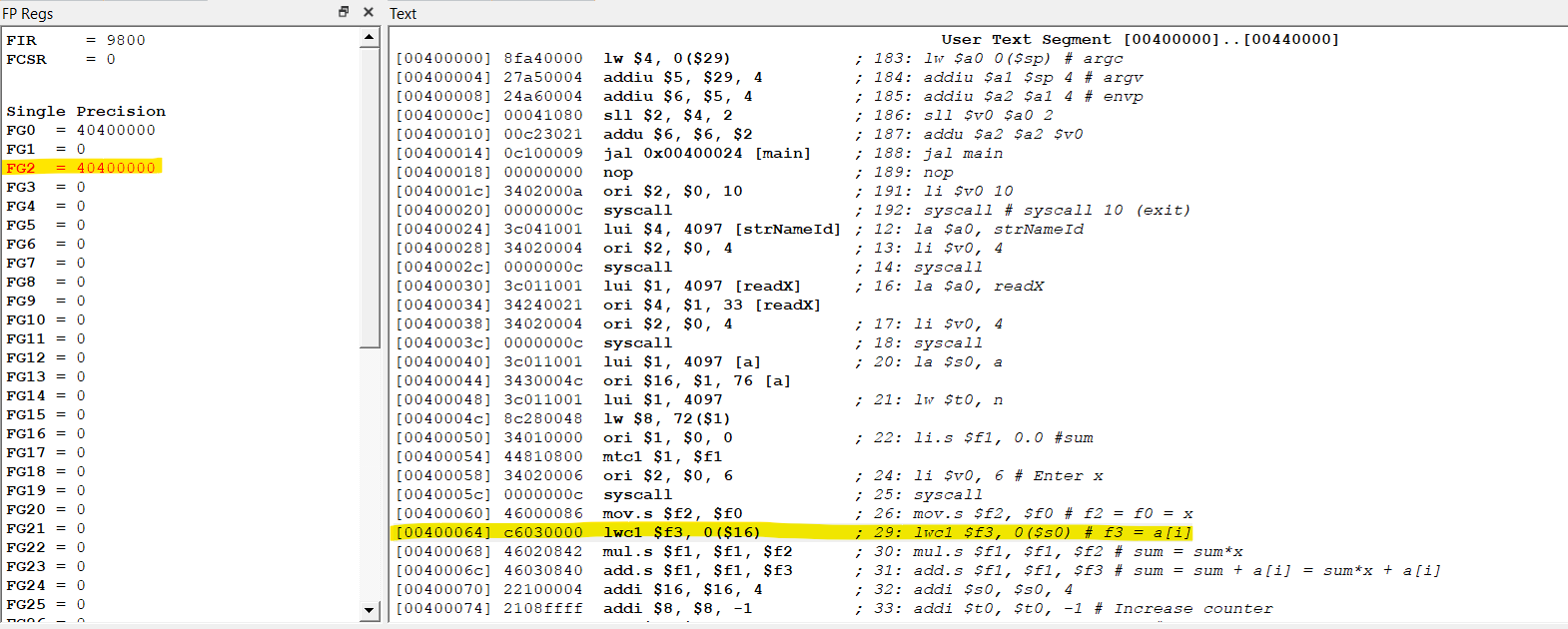
****

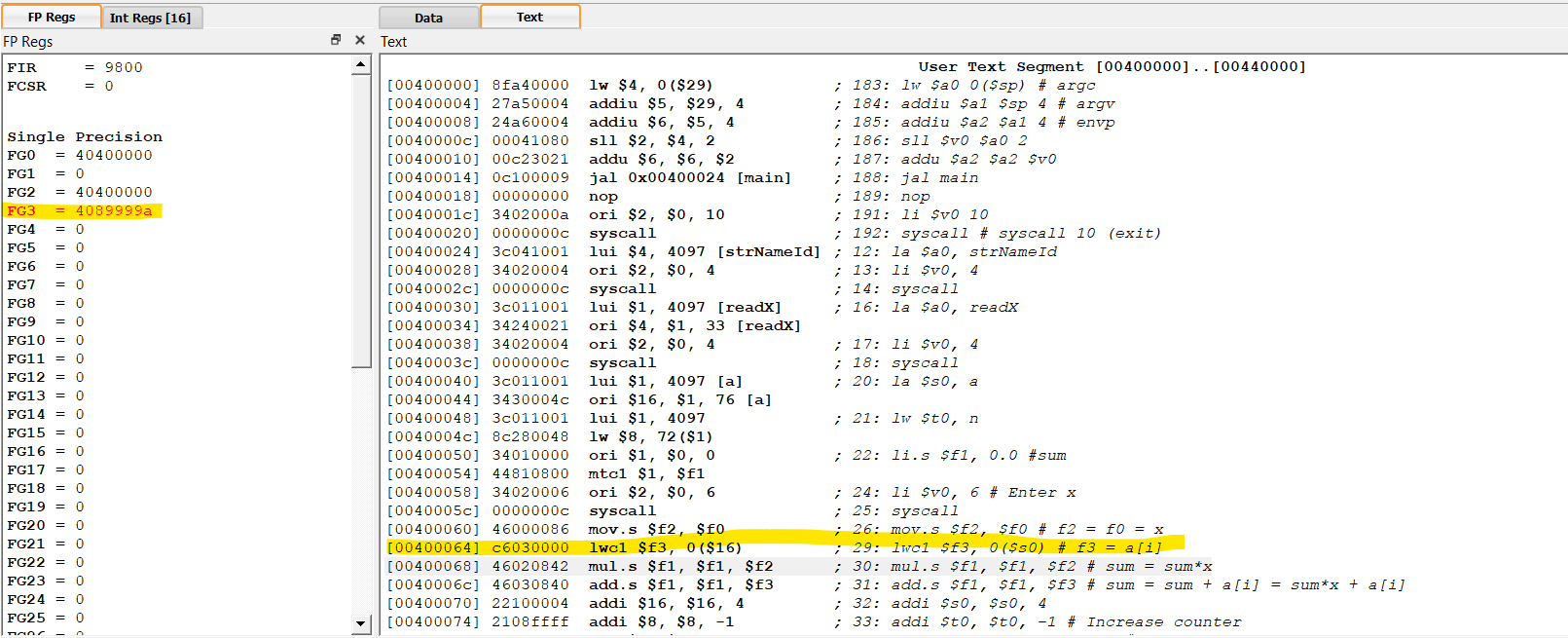
**Test case:**

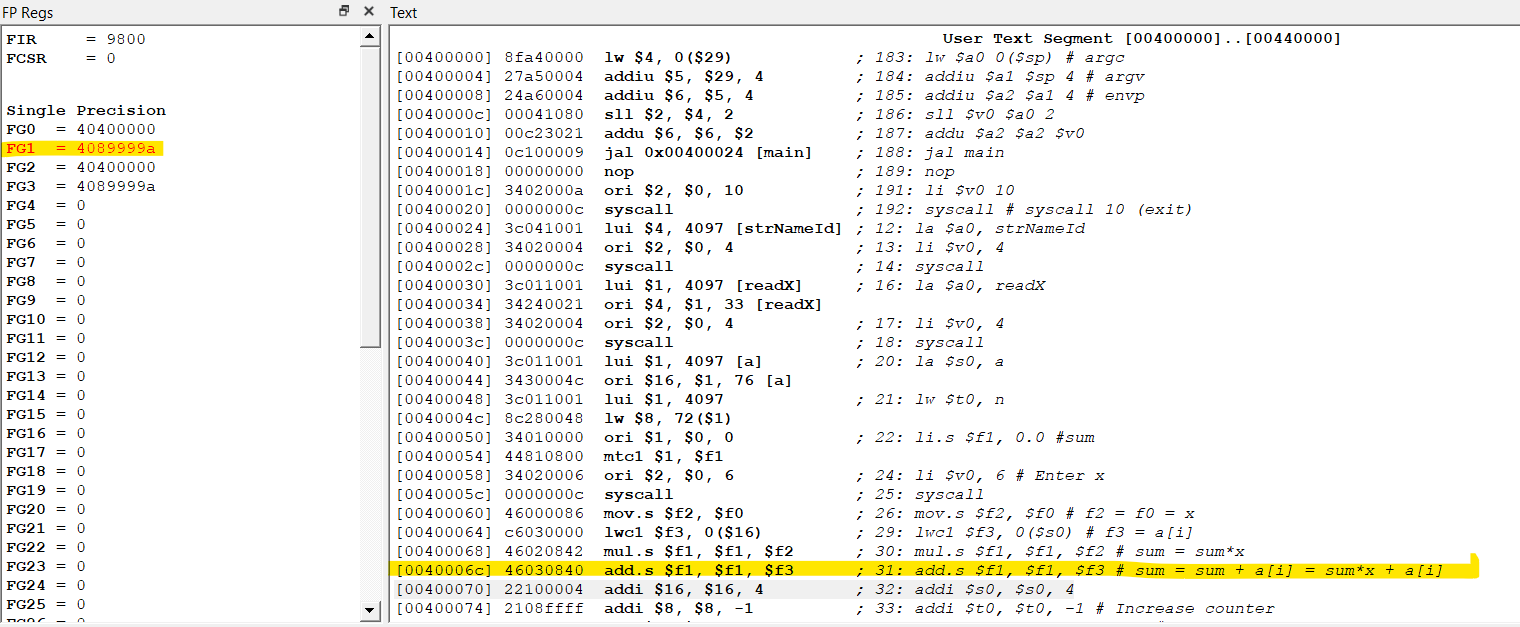
****

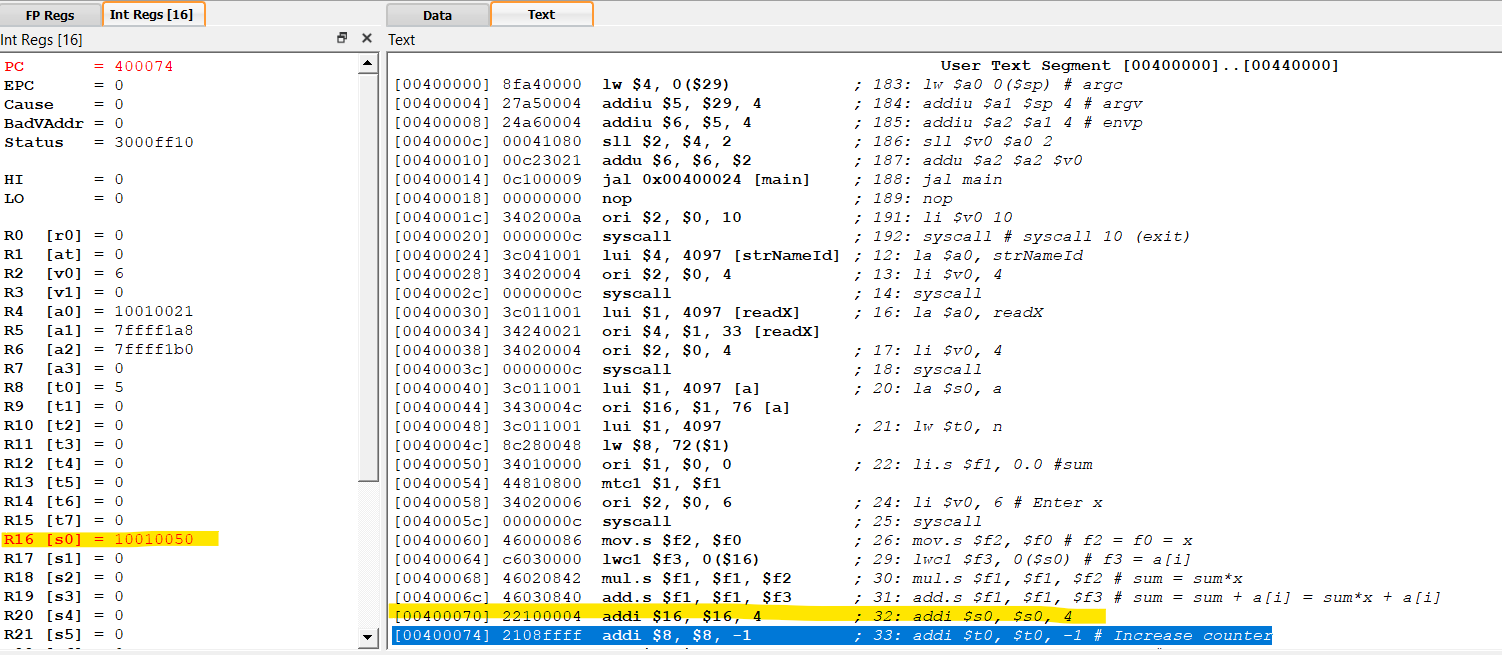
**Single Step:**

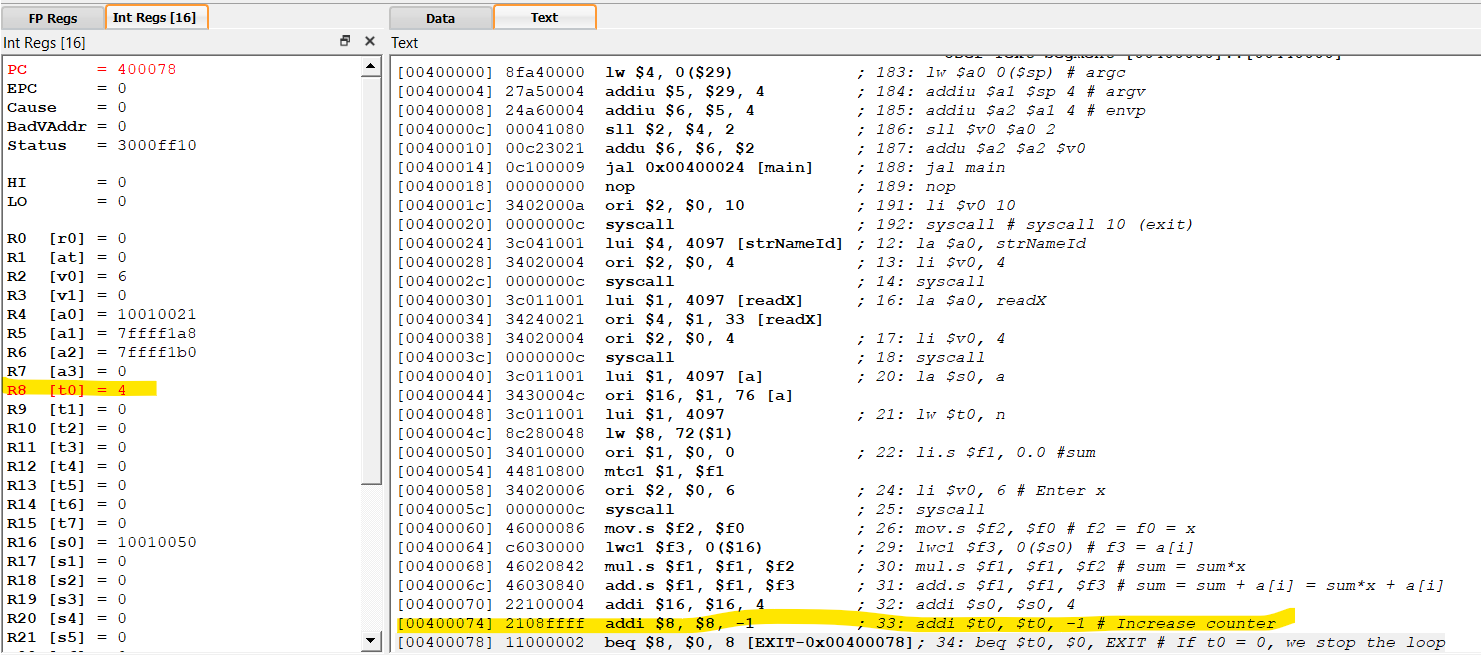
****

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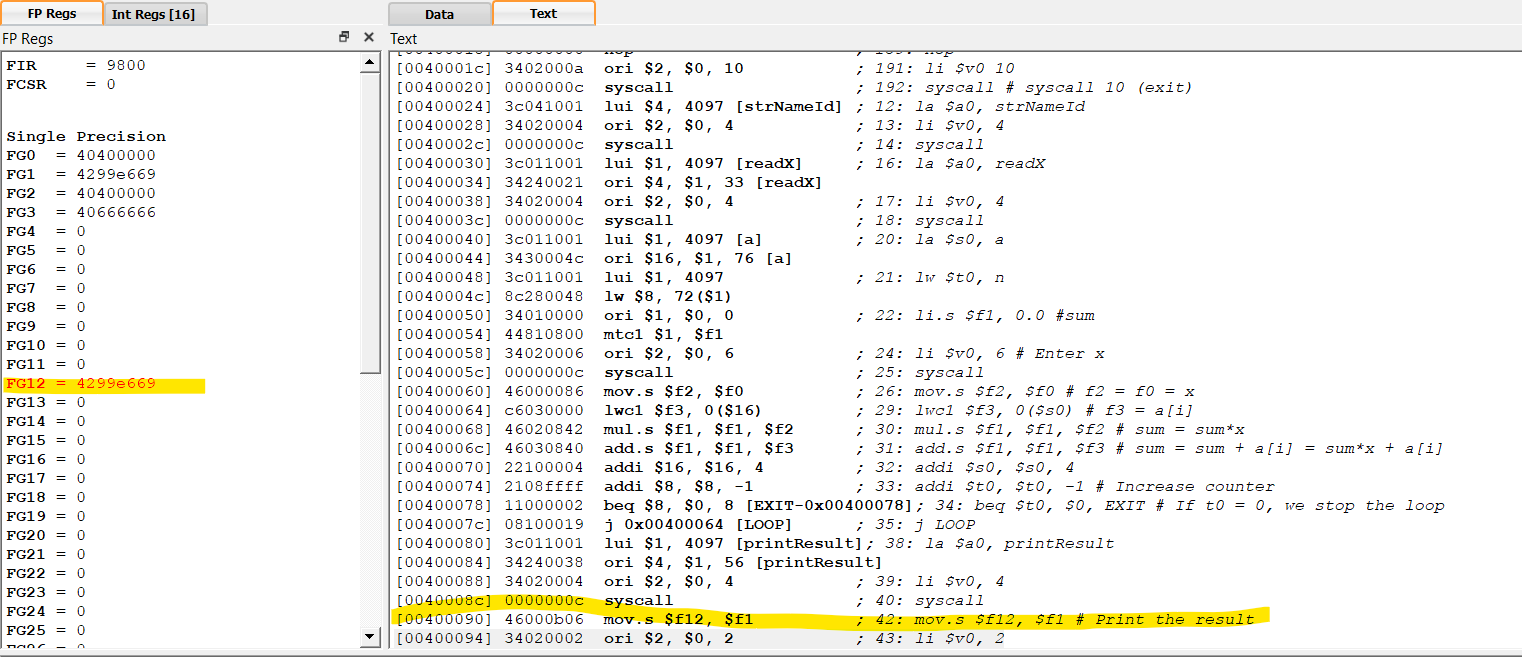
****

****

****

It will repeat the same step until the t0 = 0

Print the result:

****