

Computer Architecture - MIPS program assignment #2

1. Introduction

In this assignment, you are asked to write a MIPS **recursive** program that computes **the greatest common divisor** (GCD, 最大公因數) of **two** given positive integers.

2. Input

20

15

3. Output

5

4. MIPS simulator

MARS MIPS simulator: <http://courses.missouristate.edu/kenvollmar/mars/>

Please note

1. **FOR** loop is not a recursive function.
2. The due date is **5/12**. No late delivery is allowed.
3. Submit your source code to Portal on time; otherwise, you will get a zero.
4. Demonstrate your source code to TAs at the scheduled time slot; otherwise, you will get a zero as well.
5. You will get a very low score, if your code is similar to others.