CSCI 2500 Assignment 3

September 30, 2016

Matrix Multiplication

Due Date: Wednesday, October 12th, 11:59:59 PM

In this assignment we will be using the SPIM simulator that you installed in lab. Your task will be to implement a matrix multiplication algorithm in MIPS assembly. Your code only needs to support a 4×4 matrix. Only unsigned integer values need to be supported.

Below are some sample output. Note that your program should match these samples exactly. Printing the tab character is often enough to achieve acceptable spacing.

```
Enter the values for matrix A:
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Enter the values for matrix B:
1
2
3
4
5
6
7
8
9
10
11
12
```

```
13
14
15
16
Product A x B matrices:
90      100     110     120
202     228     254     280
314     356     398     440
426     484     542     600
```