Lab 2: Compute N^M. 微算機原理及應用實習 2014/10/20-10/24

Name: Student Id: Class: Group Id:

- Task 1: Reading N, M from Switches
  - M := SW[2:0]; store SW[2:0] into memory location M.
  - N := SW[5:3]; store SW[5:3] into memory location N.
  - Show {b0000, SW[2:0], SW[5:3]} on LED[9:0].
  - Write down five examples you tested.
  - Write down the problems you had and how you solved them.
  - Signature of TA after checking your result:
- Task 2: Compute N*M
  - N := SW[7:4]; M := SW[3:0]; LED[9:0] := N * M
  - Show N*M on LED[9:0] at the end of your program.
  - Write down your flowchart, assembly code with comments.
  - Write down five examples you tested
  - Write down the problems you had and how you solved them.
  - Signature of TA after checking your result:
- Task 3: Compute N^M
  - N := SW[7:4]; M := SW[3:0]
  - Show N^M on LED9_0 at the end of your program.
  - Write down your flowchart (can use A*B), assembly code with comments.
  - Write down five examples you tested.
  - Write down the problems you had and how you solved them.
  - Signature of TA after checking your result: