

Programming exercise 3 using ViSUAL ARM emulator

1. Write a program that compares two numbers stored in registers r1 and r2. If the numbers are the same it adds 2 to r1. If they are different it subtracts 2 from both numbers.
2. Write a program that compares two numbers stored in memory locations 0x100 and 0x104. If they are equal it outputs the number to memory location 0x108.
[Note: In the ViSUAL ARM emulator you may need to go into settings and ensure that the “* **Restrict memory write access to pre-defined addresses only**” box is unticked.]