

5. Arithmetic question (coding of arithmetic.): Assume that there is a 128 bit value called A stored in memory starting at location 0xffff1000, and that there is a 128 bit value called B stored in memory starting at location 0xffff1010. In both cases, the least significant words are at the lower addresses. Create a set of instructions that will add these values together and store the result in a 128 bit value called C which starts at location 0xffff1020.

lis A, 0xffff1000 ✓
 addi A, A, 0xffff1000 ✓
 lis B, 0xffff1010
 addi B, B, 0xffff1010 not used
 lis C, 0xffff1020
 addi C, C, 0xffff1020
 addi A, B, C