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ASM1 Report

1. Median address: 0x00400190

2. lui $1,0x00001001

2. ori $16,$1,0x00000008

3. 0x3c011001

3. 0x34300008

**Part 2.1**

1. “sum: ”

2. 73 75 6d 3a

3. 0x100100a0

4. 0x73006576 0x203a6d75

Something new I learned was that when strings are stored in memory, they are actually stored backwards, and can be in the same word as other words in memory. This could be useful in the future to help identify where the strings are stored if I need to load it from memory. One question I had was why the strings were stored backwards. To find the info for this exercise, I had to use MARs breakpoint function and line numbers to accurately determine what a variables address was in memory. Looking at the instructions, constants are stored in the register, because ORI stores the result of a register and an immediate value there.





