## HW4.7. RISC-V-Binary Translation (Randomized)

Feel free to check out the guide that we have prepared to help you in this problem.

For the following problems, you would need to refer to the Reference Card to help you with the conversion.

Translate the following instructions from RISC-V to hexadecimal. Note that we use integer values for branches and jumps, instead of labels (this is permitted by the ISA, but normally discouraged since it makes debugging incredibly hard).

Q1.1: `auipc s6 11`

> 0x [                    ] ❓

Q1.2: `slt s9 a0 a6`

> 0x [                    ] ❓

Q1.3: `jal s1 40`

> 0x [                    ] ❓

Translate the following instructions from hexadecimal to RISC-V. Follow these conventions when writing your answer:
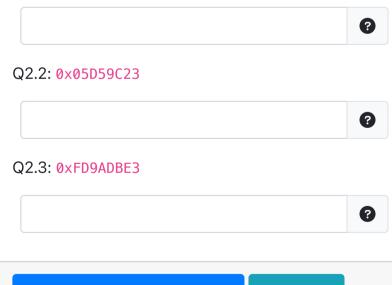
  Do not include commas in your answer.

  For immediates, submit a number in decimal. We have guaranteed that all immediates have absolute value 100 or less.

  As with the above, use integer values for branches and jumps.

  Use the register names (s0, a4, etc.) for all registers *except* register x0 (which should use x0).

Q2.1: `0x041B5703`

> [                    ] ❓

Q2.2: `0x05D59C23`

> [                    ] ❓

Q2.3: `0xFD9ADBE3`

> [                    ] ❓

**Save & Grade**  *20 attempts left*   **Save only**   *Additional attempts available with new variants* ❓