

Shift Instructions

(V03, V04, V06) Given that register `s3` contains the value `0xF0000013`, answer the following questions: What is the binary representation of the instruction `lw s3, 0(t1)`?

Question 2: (5 points)

Assuming an unsigned representation, what is the decimal value of `t1` after executing the instruction `slli t1, s3, 2`?

Question 3: (5 points)

Assuming a signed representation, what is the decimal value of `t1` after executing the instruction `slli t1, s3, 2`?

Question 4: (5 points)

Assuming a signed representation, what is the decimal value of `t1` after executing the instruction `srlt t1, s3, 2`?

Question 5: (5 points)

Assuming a signed representation, what is the decimal value of `t1` after executing the instruction `srai t1, s3, 2`?