

HW4.6. RISC-V Instruction Classification (Randomized)

Classify the following instructions as one of the 6 instruction types. Note that I*-type instructions still belong to I-type class.

Refer to the [Reference Card](#) to help you out.

1: ori a3 s2 0x3DE

☐

(a) R

☐

(b) I

☐

(c) S

☐

(d) B

☐

(e) U

☐

(f) J

2: sub t5 s2 s8

☐

(a) R

☐

(b) I

☐

(c) S

☐

(d) B

☐

(e) U

☐

(f) J

3: sh sp 0x5CF(t1)

☐

(a) R

☐

(b) I

☐

(c) S

☐

(d) B

☐

(e) U

☐

(f) J

4: jal x0 0xD5216

☐

(a) R

☐

(b) I

☐

(c) S

☐

(d) B

☐

(e) U

☐

(f) J

5: auipc gp 0x9BFCE

☐

(a) R

☐

(b) I

☐

(c) S

☐

(d) B

☐

(e) U

☐

(f) J

6: bge x0 s0 0x33E

☐

(a) R

☐

(b) I

☐

(c) S

☐

Homework 4

Assessment overview

Total points: 50/100

Score: 50%

Question

Value: 12

History:

Awarded points: 0/12

Report an error in this question

Previous question

Next question

Attached files

No attached files

Attach a file

Attach text

- ☒ (d) B
- ☐ (e) U
- ☐ (f) J

Save & Grade 20 attempts left

Save only

Additional attempts available with new variants ?