

EE3450 Hw2 - Question 4 (2.17)

總分 10/10 ?

Chapter 2 : Instructions: Language of the Computer

0分, 共0分

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Question 4 (2.17)

10分, 共10分

Assume the following register contents:

x5 = 0x00000000AAAAAAAA

x6 = 0x1234567812345678

✓ 1. [2.6] For the register values shown above, what is the value of "x7" for the following sequence of instructions? (in hexadecimal, write "0x" first. For example, 0x500) * 3/3

```
slli x7, x5, 4  
or x7, x7, x6
```

0x1234567ababefef8 ✓

✓ 2. [2.6] For the register values shown above, what is the value of "x7" for the following sequence of instructions? * 3/3

```
slli x7, x6, 4
```

0x2345678123456780 ✓

0x0123456781234567

0x5678123456780000

0x0000123456781234

✓ 3. [2.6] For the register values shown above, what is the value of "x7" for the following sequence of instructions? (Notice the Instruction fields) * 4/4

```
srli x7, x5, 3  
andi x7, x7, 0xFEF
```

0x0000000000000540

0x0000000000000545 ✓

0x00000000000003c0

0x0000000000000ACF