

EE3450 Hw2 - Question 6 (2.24)

總分 6/6 ?

Chapter 2 : Instructions: Language of the Computer

0分, 共0分

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Question 6 (2.24)

6分, 共6分

Consider the following RISC-V loop:

```
LOOP:  beq    x6, x0, DONE
       addi   x6, x6, -1
       addi   x5, x5, 2
       jal   x0, LOOP
DONE:
```

✓ 1. [2.7] Assume that the register "x6" is initialized to the value 16 in decimal. What is the final value in register "x5" assuming the "x5" is initially zero? *

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0x0000000000000014

0x0000000000000020 ✓

0x0000000000000010

0x0000000000000032

✓ 2. [2.7] Assume that the register "x6" is initialized to the value 18. How many RISC-V instructions are executed? *

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73 ✓

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