

EE3450 Hw1 - Question 3 - 2

總分 4/4 ?

Chapter 1 Computer Abstraction and Technology

0分, 共0分

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Question 3 - 2 (1.7.b)

4分, 共4分

Section 1.6

Compilers can have a profound impact on the performance of an application. Assume that for a program, compiler A results in a dynamic instruction count of $1.0E+9$ and has an execution time of 1.4 s, while compiler B results in a dynamic instruction count of $1.2E+9$ and an execution time of 1.44 s.

✓ Assume the compiled programs run on two different processors. If the execution times on the two processors are the same, how much faster is the clock of the processor running compiler B's code versus the clock of the processor running compiler A's code? (Round off to the 2nd decimal place) * 4/4

1.03



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