

EE3450 Hw1 - Question 3 - 1

總分 6/6 ?

Chapter 1 Computer Abstraction and Technology

0分, 共0分

Email Address *

zxc36mn999947@gmail.com

Name *

陳彥文

Student ID *

106061242

Question 3 - 1 (1.7.a)

6分, 共6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.

Find the average CPI for each program given that the processor has a clock cycle time of 1 ns.

✓ Average CPI for A program *

3/3

1.4



✓ Average CPI for B program *

3/3

1.2



這份表單是在 清華大學 中建立。