Section 3

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1. What do you think caused the difference between the requested sleep time and the "actual" sleep time when you run lab2a.c?

> The operating system may be running some threads or processes to manage its own tasks in the background. Some tasks with a higher priority than the task running the code from lab2a.c may run for a short period of time before letting the code from lab2a.c resume execution. This would delay how fast the task running code from lab2a.c can respond to real time requests, making the actual sleep time be longer than the requested sleep time.

2. Run the required program for Exercise 2.2 on a workstation in ENG413 and record the execution time per operation for the four basic mathematical operations in the table below:

Execution Time per Operation			
+	−	×	÷
2.009210 ns	2.011437 ns	1.974923 ns	3.765315 ns

ran on EE machine sokolov

a = 2.3, b = 4.5

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