

A. Table:

Elapsed Vector Addition Kernel Execution Time (in milliseconds)	MFLOP/s	Memory Bandwidth Utilized in GB/s
920.028	.83747	.1304308
6,317,543,489	575.066584	.00000002
237,315,720	216.021213	.00000005
236,136,336	214.947656	.00000005
231,287,611	210.53401	.00000038

B. Analysis Questions:

1. What is the MFLOP/s performance gain going from the CPU-only code to the final version of your CUDA code (the one with the `cudaMemPrefetchAsync()` call)? Show your work on how you compute this result.
2. What is the memory bandwidth performance gain (or loss) going from the CPU-only code to the final version of your CUDA code (the one with the `cudaMemPrefetchAsync()` call)? Show your work on how you compute this result.
3. For the final version of your CUDA code (the one with the `cudaMemPrefetchAsync()` call), what is the total number of concurrent threads being run? Show your work on how you arrive at this result.