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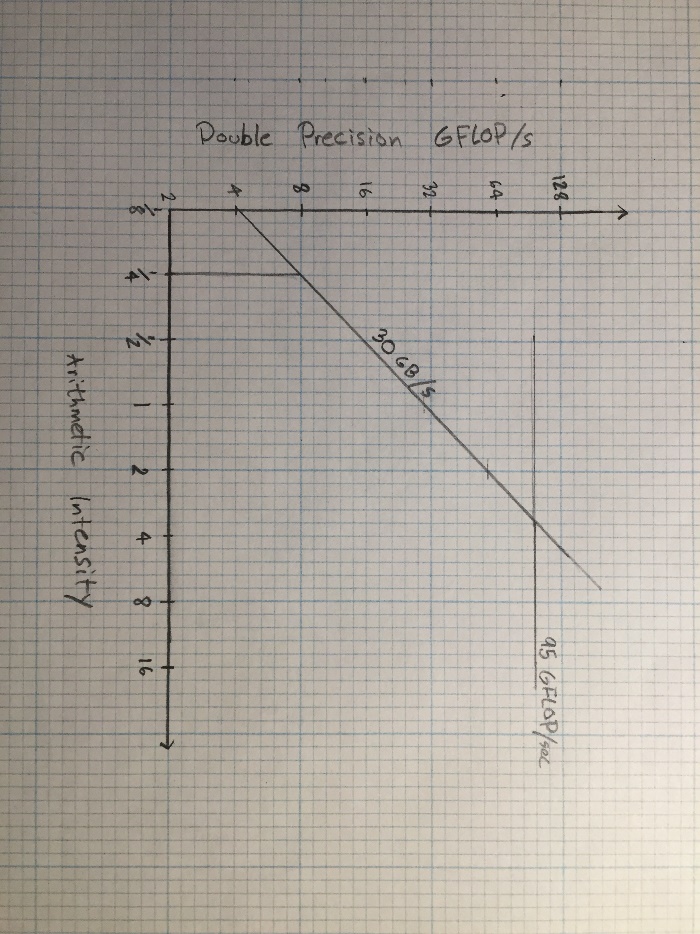
1.

1. Arithmetic Intensity of a kernel:

Floating point operations: 6 total (2 add, 4 multiply)

Memory operations: 2 (8 byte) loads, 1 (8 byte) write

1. Roofline Model:



The expected performance of the kernel is about 7.5 GFLOP/s.

This performance is memory-bound.