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Project Proposal

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To: Abhimanyu <abhiy.iitk@gmail.com>

Hi Abhimanyu,

The project proposal is fine. Couple of things to keep in mind:

1. I will expect to see an evaluation (in terms of L3 MPKI) in a three-level cache hierarchy. Assume that L1 instruction cache is 32 KB 8-way, L1 data cache is 32 KB 8-way, L2 cache is 256 KB 8-way, and L3 cache is 2 MB 16-way. Assume that all levels use 64-byte blocks. Also, you can assume LRU replacement in L1 and L2 caches and experiment with L3 cache replacement policy and index functions.

2. In the report, just documenting the results will not earn you much score. I will expect an insightful analysis and explanation of the results.

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Best regards

Mainak

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