

Problem C: GPU Accelerated Logic Re-simulation

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Q&A

Q1. Fail in launching on AWS. Cannot launch the EC2 VM .

A1. Please find updated instructions at

https://drive.google.com/drive/u/2/folders/1IrWXkHEED_gVsLPUGrIKNIOAE6BIp0WY

→AWSGettingStartedGuide.pdf →5. Launch a VM instance from AWS Console. Check that you have requested a 'spot' in AWS, and not a 'reserved' or 'dedicated' .

Q2. How do you determine if we use compilers other than gcc and g++ since we're not required to provide our source code? For example, participants using Intel C compiler (ICC) may take great advantage of ICC's superior single-instruction-multiple-data (SIMD) support. Our question is, how can the rules be imposed upon all participants such that no one will take advantage of this situation?

A2. From Problem C's perspective, we don't see an issue as we don't restrict compilers. We do state some restrictions on submission format, outlined in the problem description document for the contestants. Excerpt: "Problem Formulation: The code may be written in any language, for example including, but not limited to, C/C++, CUDA, or Python. However, keep in mind that the code will be run on the contest-supplied GPU platform for evaluation." "Evaluation: Submissions that do not utilize GPUs to achieve speedups over the baseline implementation will not be evaluated." Also, please reference Figure 5 for submission format.

We will not install any additional software packages on the testing platform. If they use specialized library, it needs to be included in the submission.