

Day 2

Contest system downtime

- CMS was inaccessible for 5 minutes (11:40-11:45)
- Graders were offline for 20 minutes
- The longest a contestant had to wait for the score was 12 minutes
- No complaints were received

Demarcation

- Only one contestant received positive score (12 points)
- We examined their submissions
- Almost all incorrect answers are due to NOT finding a division when it exists
or due to the dividing line overlapping with a side
- There is no reason to suspect anything wrong about the tests or the checker

Senior postmen I

- There have been complaints regarding the time limit of 0.5 s
- $O(N \log N)$ solutions score 55 points
- Inefficient $O(N)$ solutions score 55 points
- Using 500 000 vectors is considered inefficient

Vectors

- Simulation: store 500 000 zeros in array or vectors
- Array: 0.01s
- One vector: 0.03s
- 500 000 vectors: 0.08s
- 500 000 vectors: 0.37s

Vectors

- What is the complexity of storing N items in M vectors? Is it $O(N)$ or $O(f(M)N)$?

Senior postmen II

- We confirmed an error in the checker
- Two contestants scored more points than they would have otherwise