



trivialbox ▾

IEEEXtreme 10.0 > Playing 20 Questions with an Unreliable Friend

Playing 20 Questions with an Unreliable Friend

 by IEEEXtreme

🔒 locked

Problem

Submissions

Leaderboard

Discussions

Editorial

Since there are ten balloons, and each balloon can be one of three colors, it is possible to consider all 3^{10} possible configurations within the time limits provided. One approach to this problem, then, would be to go run each of the possible configurations through the list of questions. If the answers to the questions given the candidate configuration differ from answers given in the test case by the number of lies told, then the candidate configuration is feasible. After finding all feasible configurations, one could determine the possible colors for each balloon across all configurations.

Statistics

Difficulty: Hard

Publish Date: Jun 23 2016

Join us on IRC at [#hackerrank](#) on freenode for hugs or bugs.[Contest Calendar](#) | [Interview Prep](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [Terms Of Service](#) | [Privacy Policy](#)