

1 Problems

Problem 1. *Alice and Bob play a game over the natural numbers. Starting with 2, they alternate increasing this number by a quantity between 1 and 1000 (inclusive). If at the end of a turn, the number is composite, then the game ends, and the player who made the last move loses. Who has a winning strategy? Hint 1.*

2 Hints

1. If Alice does not have a winning strategy, how would Bob start the game?

3 Solutions

Solution 1. *cannotbebotheredatthemoment*