Thursday March 12, hours 26-27: Pursue Parity

March-10-15   7:06 PM

Student request: go over a writeup of Quiz 8 Problem 1.2.

The two problems I learned yesterday: The x+y movie problem, and the easiest Putnam ever.

Further problems:

3.3.20. For each positive integer n, let $H_n = 1 + 1/2 + \cdots + 1/n$. Show that for $n > 1$, H_n is not an integer. (Hint: Suppose H_n is an integer. Multiply each side of the equality by $\text{lcm}(1, 2, \ldots, n)$, and show that the left side of the resulting identity is even whereas the right side is odd.)

Hat problems.