

Tuesday Jan 27, hour 10: Quiz 3, Modify the Problem

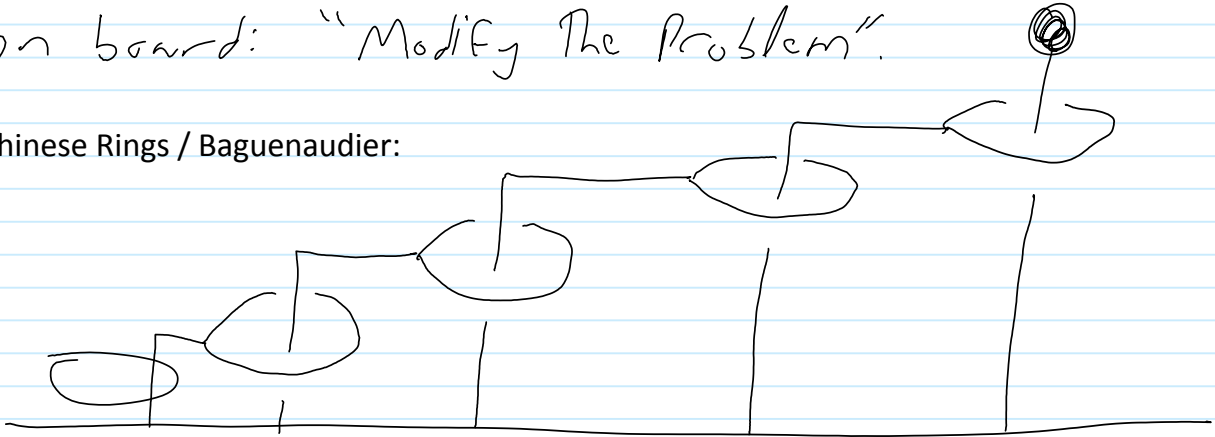
January-27-15 9:05 AM

\$5 -> Ian!

Then quiz, then quiz discussion, then

on board: "Modify The Problem".

Chinese Rings / Baguenaudier:

**1.4.3.** Prove that there do not exist positive integers x, y, z such that

$$x^2 + y^2 + z^2 = 2xyz.$$

1.4.4. Evaluate $\int_0^{\infty} e^{-x^2} dx$.

↑
a classic.

↑
modify to $x^2 + y^2 + z^2$
 $= (\text{even})xyz$
& consider all possible
partitions.