Problem of the Month – September 2009

An experiment. You are given two identical bowling balls. Your goal is to determine the maximum height a bowling ball doesn't break when it is dropped from this height. You use a 150 floor building for your experiment, and you find the maximum height in terms of floors from the ground level.

In order to find the maximum height, what is the least number of drops needed?

Deadline: September 24, 2009, 5:00pm.

- You may get a copy of this from the wall behind you.

- Submit your solution to

    - Dr. Yuanhui Xiao @ *matyxx@langate.gsu.edu* or
    - Dr. Erol Akabs @ *matexa@langate.gsu.edu*,
    - or drop a hard copy in their mailbox before the deadline.

- This is the first problem of this semester! Good luck!