



Lewis & Clark College

Department of Mathematical Sciences

Problem of the Week #4 (Fall 2011)

Find a 10-digit integer, N , with the property that the one's digit of N is the number of 9's in N , the ten's digit is the number of 8's, the hundred's digit is the number of 7's, and so on, with the leading digit being the number of 0's.

- Solvers should include their name, address, and status at the College. Solutions can be mailed to MSC 110 via campus mail or placed in Yung-Pin Chen's mailbox in the Math Department Office. Solutions to the above *Problem of the Week* should be received by 5:00 p.m. Monday, September 26, 2011.
- Jeff Cruttenden (sr.), Kathleen Daly (jr.), Colin Gavin (fr.), Yusef Shari'ati (sr.), Sean Stroud (so.), Brian Walters (sr.), and Erin Yoshida (so.) solved *Problem of the Week* #3. Congratulations to them.