

Problem of the Month

September 2011

Palindromic Numbers

Palindromic Numbers are numbers that remain the same when their digits are reversed. For example, 77, 575, 14641, and 392293 are palindromic numbers.

In base 16, how many numbers from 1_{16} to $1,000,000_{16}$ are palindromes?

For contest rules and prize information see the Problem of the Month display on the first floor. Copies of problems are available in the student lounge on the third floor. Contact Dr. Kaczowski (kaczks@math.sc.edu) or Brett Barwick (barwicz@mailbox.sc.edu) for more details.

Solutions due in LC 411 by October 17th.