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Monotonically Increasing Digits. Preliminary report.

A digit that is monotonically increasing from right to left in a string of digits is called a monotonically increasing digit. In this talk, we will count the number of monotonically increasing digits in the n -ary representation of an integer, for any integer $n > 1$. Then, we will calculate the digit sum of a multiple of $n - 1$ in the n -ary representation. (Received September 19, 2016)