# String Sorts

Given a **series of strings of same length**. Series of strings can be pin codes, phone numbers, address, etc. Your task is to sort the series of strings using **radix sorts**. (Ascending order)

Example : Your roll numbers, which are shuffled.
201585103
201585001
201585020
201585030

**Task - 1 :** By this time, you now LSD, MSD and 3 way radix quicksort. Implement the best to the given series to pass test cases.

**Task - 2 :** Note the time complexities of the all the three sorts. Which of them are suitable for this format of the inputs ?

**Input Format:**
First line contains N, number of strings to read.
From second line to the N, each line has a string to read.

**Output Format:**
Print the array format of the given Strings(ascending order).