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Google Interview Experience for Internship (Coding Round)

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Google Internship (North America) coding round was held between 28th August to 5th September 2020 by Google(NA) for Software Engineering students of Pre-final and final year. The level of this Coding Round was easy. \xc2\xa0The coding round comprised of two questions which are as follows :

Question 1: Most Booked Hotel Room

Problem Description: Given a hotel which has 10 floors [0-9] and each floor has 26 rooms [A-Z]. You are given a sequence of rooms, where + suggests the room is booked, \xe2\x80\x93 the room is freed. You have to find the number of rooms that were booked.

You may assume that the list describes a correct sequence of bookings in chronological order; that is, only free rooms can be booked, and only booked rooms can be freed.\xc2\xa0

You may assume:

- N (length of input) is an integer within the range [1, 600]
- Each element of array A is a string consisting of three characters: \xe2\x80\x9c+\xe2\x80\x9d or \xe2\x80\x9c-\xe2\x80\x9c; a digit \xe2\x80\x9c0\xe2\x80\x9d-\xe2\x80\x9c9\xe2\x80\x9d; and uppercase English letter \xe2\x80\x9cA\xe2\x80\x9d \xe2\x80\x93 \xe2\x80\x9cZ\xe2\x80\x9d

Example:

Input: ["+1A", "+3E", "-1A", "+4F", "+1A", "-3E"]\r\n**Output:** 4\r\n**Explanation:** 4 rooms are booked at this time.\r\n**Inpu

Question 2: Maximum Time

Problem Description: You are given a string that represents time in the format HH: MM. Some digits are blank (represented by ?). Fill in? With the same digit such that the time represented by this string is the maximum possible.

\xc2\xa0Maximum time: 23:59, minimum time: 00:00. You can assume that the input string is always valid.

Example :

Input: "?4:5?"\r\n**Output:** "14:51"\r\n**Input:** "23:5?"\r\n**Output:** "23:59"\r\n**Input:** "0?:??"\r\n**Output:** "05:55"\r\n**Input:** "

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