1999. Smallest Greater Multiple Made of Two Digits Premium Medium ♥ Topics 🖫 Companies 🗘 Hint Given three integers, k, digit1, and digit2, you want to find the smallest integer that is: • Larger than k, • A multiple of k, and Comprised of only the digits digit1 and/or digit2. Return the **smallest** such integer. If no such integer exists or the integer exceeds the limit of a signed 32-bit integer $(2^{31} - 1)$, return -1. Example 1: Input: k = 2, digit1 = 0, digit2 = 2 Output: 20 Explanation: 20 is the first integer larger than 2, a multiple of 2, and comprised of only the digits 0 and/or 2. Example 2: Input: k = 3, digit1 = 4, digit2 = 2 Output: 24 Explanation: 24 is the first integer larger than 3, a multiple of 3, and comprised of only the digits 4 and/or 2. Example 3: Input: k = 2, digit1 = 0, digit2 = 0 Output: -1 Explanation: No integer meets the requirements so return -1. Constraints: • 1 <= k <= 1000 • 0 <= digit1 <= 9 • 0 <= digit2 <= 9 Seen this question in a real interview before? 1/5 No Yes Submissions **4.1K** Acceptance Rate **48.3%** Accepted 2K ♥ Topics Math Enumeration **Companies** 0 - 6 months PayPal 2 Q Hint 1 Could you generate all the different numbers comprised of only digit1 and digit2 with the constraints? O Hint 2 Going from least to greatest, check if the number you generated is greater than k and a multiple of k. Discussion (1)