

1277. Largest Multiple of Three

Difficulty : Hard

<https://leetcode.com/problems/largest-multiple-of-three>

Given an array of digits `digits`, return *the largest multiple of **three** that can be formed by concatenating some of the given digits in any order*. If there is no answer return an empty string.

Since the answer may not fit in an integer data type, return the answer as a string. Note that the returning answer must not contain unnecessary leading zeros.

Example 1:

Input: `digits = [8,1,9]`

Output: `"981"`

Example 2:

Input: `digits = [8,6,7,1,0]`

Output: `"8760"`

Example 3:

Input: `digits = [1]`

Output: `" "`

Constraints:

- $1 \leq \text{digits.length} \leq 10^4$
- $0 \leq \text{digits}[i] \leq 9$