

Given a non-negative number represented as an array of digits,

add 1 to the number (increment the number represented by the digits).

The digits are stored such that the most significant digit is at the head of the list.

Example:

If the vector has `[1, 2, 3]`

the returned vector should be `[1, 2, 4]`

as `123 + 1 = 124` .

“ **NOTE:** Certain things are intentionally left unclear in this question which you should practice asking the interviewer.

For example, for this problem, following are some good questions to ask :

Q : Can the input have 0's before the most significant digit. Or in other words, is `0 1 2 3` a valid input?

A : For the purpose of this question, **YES**

Q : Can the output have 0's before the most significant digit? Or in other words, is `0 1 2 4` a valid output?

A : For the purpose of this question, **NO**. Even if the input has zeroes before the most significant digit.