

Roll the characters of string

Given a string s and an array $roll$ where $roll[i]$ represents rolling first $roll[i]$ characters in string. We need to apply every $roll[i]$ on string and output final string. Rolling means increasing ASCII value of character, like rolling 'z' would result in 'a', rolling 'b' would result in 'c', etc.

constraints:

$$1 \leq |s| \leq 10^5$$

$$1 \leq roll[i] \leq 10^5$$

Examples:

Input : $s = \text{"bca"}$

$roll[] = \{1, 2, 3\}$

Output : eeb

Explanation :

$arr[0] = 1$ means roll first character of string -> cca

$arr[1] = 2$ means roll first two characters of string -> dda

$arr[2] = 3$ means roll first three characters of string -> eeb

So final ans is "eeb"

Input : $s = \text{"zcza"}$

$roll[] = \{1, 1, 3, 4\}$

Output : debb