# Task 1

Given an array of string arr[], the task is to find the Greatest Common Divisor of the given array of string.

In strings ‘A’ and ‘B’, we say “B divides A” if and only if A = concatenation of B one or more times. Find the largest string which divides both A and B.

Sample

Input: arr[] = { “GFGGFG”, “GFGGFG”, “GFGGFGGFGGFG” }

Output: “GFGGFG” // expl.: “GFGGFG” is the largest string which divides the whole array elements.

# Task 2

An encoded string (s) is given, the task is to decode it. The pattern in which the strings were encoded were as follows.

original string: abbbababbbababbbab

encoded string: 3[a3[b]1[ab]]

Sample

Input: “3[b2[ca]]”

Output: bcacabcacabcaca

# Task 3

# Task 4

# Task 5

# Task 6

# Task 7

# Task 8