Set Matrix Zero:

Given an m x n matrix of 0s and 1s, if an element is 0, set its entire row and column to 0.

Input	Output
3 3 1 0 1 1 1 1 1 1 1	0 0 0 1 0 1 1 0 1
3 2 0 1 0 1 1 1	0 0 0 0 0 1
3 2 0 1 1 0 1 1	0 0 0 0 0 0
3 3 0 1 1 1 0 1 1 1 0	0 0 0 0 0 0 0 0 0

Bonus: Do it in place.
Doing inplace means you are not using any additional array for this.

Periodic String:

Given two string p and q. You have to verify if p = q^k or not. k>=1;
You may use library function `strlen()`.

Input	Output
abcdabcdabcd abcd abcdabcdabcdk abcd abcdabcdabc abcd aaaa aa abc abc abcgabcabc	YES NO NO YES YES NO

Hints:
1. Length of p should be divisible by length of q.
2. Write a function `subStrPos(char p[], int start, char q[])`. That will return 1, if q can be found at position `start` of string p, else return 0.
3. If `subStrPos(p, 0, q), subStrPos(p, strlen(q), q), subStrPos(p, 2*strlen(q), q) ….` all are true, that means string q sums up string p.