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.

Bonus: Do it in place.

Example

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

Periodic String:

Given two string p and q. You have to verify if p = q^k or not. k>=1;

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