

Find The Plus:

Given an m x n matrix of 0s and 1s. Find the largest plus '+'.
The plus sign is formed by a horizontal line of 1s and a vertical line of 1s intersecting at a central cell. The length of the horizontal and vertical lines can be different, but they must both be at least 3. The output is the size of the plus sign, which is the maximum of the horizontal and vertical lengths.

Input	Output
3 3 1 1 0 1 1 1 0 1 1	1 [1, 1] 1 [1, 2] 0 2 [2, 2] 1 [3, 3]
4 5 0 1 1 1 1 0 1 1 1 1 1 1 1 0 1 0 1 0 0 1	
5 5 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1	
5 5 0 0 1 0 0 0 0 1 0 0 1 1 1 1 1 0 0 1 0 0 0 0 1 0 0	
5 5 1 1 1 1 1 1 0 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1	

Periodic String:

Given two string p and q. Replace all occurrences of q in p with string of #
You may use library function `strlen()`.

Input	Output
asdsdkrws skk	asd###rws
abcdabcdabcd abcd	#####
abcdabcdabcdk abcd	#####k
abcdabcdabc abcd	#####abc
aaaa aaa	###a
adc abc	adc
abcgabc abc	###g###