NAJPF - Pattern Find

#kmp-algorithm

Your task is so simple given a string and a pattern. You find the pattern on the given string. If found print how many time found the pattern and their index. Otherwise print 'Not Found'

Input:

The input   line consists of a number T $(1 \leq T \leq 50)$ test cases.

For each case given two string number A,B. the string and the pattern $1 \leq |A|, |B| \leq 10^6$

All character will be lower case Latin character. And | | is the length of string.

Output:

For each case print the number (found pattern from the given string) next line there position And Otherwise print 'Not Found' without quota.
There will a blank line between two cases.

Sample:

Input	Output
3 ababab ab aaaaa bbb aafafaasf aaf	3 1 3 5 Not Found 1 1

Hints:

Here all index is 1 base.