Assignment Case	
COMP6047 Algorithm and Programming	BINUS UNIVERSITY Software Laboratory Center
Computer Science	**<Case Code>**
Valid on *Compact Semester Year 2019/2020*	**Revision 00**

Soal
Case

Factor's Index

Jojo is wondering whether an integer N is a factor of another integer M. He also wants to know the index of integer N in the M's factors list sorted from the smallest value.

Format Input

The input consists of several test cases. Each test case consists of two integers M and N, where N is the number you need to find the index from factors of M. The input will be terminated by when both M and N value is zero.

Format Output

For each test case, the output will start with a line "Case #X:" where X is the number of test case. Following this line, print all the factors of M in ascending order. After that, print the index of N in factors list of M in the next line. If N is not a factor of M, print "-1" for Y instead.

Constraints

$1 \leq M, N < 2^{31}$

Sample Input 1	**Sample Output 1**
12 3 12 5	Case #1: 1 2 3 4 6 12 2 Case #2: 1 2 3 4 6 12 -1

Explanation:

In the first case, the factors of 12 is {1, 2, 3, 4, 6, 12}. The integer 3 is positioned at index 2. Therefore, the answer for the index is 2.

For the second case, since 5 is not a factor of 12, print -1 for the index instead.