

**Problem Name:** Factorization**Description:**

Suppose, Rayhan is a well-known programmer of BUBT. He wants to teach programming to his juniors. To evaluate their existing skill in programming, he give them a simple problem. The problem is given below:

Two integer number **M**, **N** is given ( $1 < M, N < 2^{32}$ ). You have to do prime factorization of those numbers (M and N). Then you have to print the prime factors of those numbers. Finally, you have to print the largest common prime factor of **M** and **N**.

**Input:**

Input two integer **M** and **N** ( $1 < M, N < 2^{32}$ )

**Output:**

First line will contain prime Factors of M, Second line will contain prime factors of N and Last line will contain the largest common prime factor of M and N. (If there is no common prime factor, Print -1)

**Sample Input and Output:**

Input	Output
30 25	2 3 5 5 5