Problem L
Luansheng Divisor

Time limit: 10 seconds

Memory limit: 1024 megabytes

Problem Description

A Luansheng divisor of n is an positive integer x that both x and $x + 1$ are divisor of n. For example 6 is a Luansheng divisor of 84 because both 6 and 7 are divisor of 84.

You are given a positive integer n. Your task is to find all Luansheng divisors of n.

Input Format

First line contains the number of testcases T. Each testcase is a line containing a positive integer n.

Output Format

For each testcase, output a line containing all Luansheng divisor of n in increasing order. If n doesn't have any Luansheng divisor, output -1.

Technical Specification

- $1 \leq T \leq 100$
- $1 \leq n \leq 10^{18}$

Sample Input 1

```
4
35
40
50
60
```

Sample Output 1

```
-1
1  4
1
1  2  3  4  5
```