时间限制：C/C++/Rust/Pascal 1秒，其他语言2秒
空间限制：C/C++/Rust/Pascal 512 M，其他语言1024 M
Special Judge, 64bit IO Format: %lld

题目描述

Yuki gives you three non-negative integers a, b, and c. You can perform the following operations up to $k = 64$ times:

1. $a \leftarrow a \cdot 2$;
2. $b \leftarrow \lfloor \frac{b}{2} \rfloor$;
3. $a \leftarrow a \oplus b$, where $\oplus$ denotes the bitwise XOR;
4. $b \leftarrow b \oplus a$.

Please make $a = b = c$ within no more than k operations, or report that there is no valid solution. It can be proven that under the constraints of the problem, there will be a valid solution that does not exceed $k = 64$ operations if a valid solution exists.

输入描述:

Each test contains multiple test cases. The first line of input contains a single integer t ($1 \leq t \leq 10^4$) — the number of test cases. The description of the test cases follows.

The first and only line of input of each test case contains three integers a, b, and c ($0 \leq a, b, c < 2^{31}$).

输出描述:

For each test case:

If there is no valid solution, output a single line containing an integer -1;
Otherwise, output two lines. The first line contains an integer p ($0 \leq p \leq k$), describing the number of operations you performed; the second line contains p integers, each in the range $[1, 4]$, indicating the sequence of the indices of the operations you performed.

示例1

输入 复制

```
4
3 5 6
0 0 1
7 7 7
```

C++（clang++18）

1

ACM模
请通过
入输出
出描述

运行结果 自测