

MODULUS

Problem1: MODULUS

Problem

Given an integer n print all the possibilities of $a\%n$.

Input

The first line consists of an integer t , the number of test cases followed by t lines containing an integer n .

Output

For each test case print all the possibilities of $a\%n$ in descending order separated by a single space. After each test case print a new line character. If there are no possibilities print "NOT POSSIBLE".

Input specifications:

$$0 < t \leq 100$$

$$0 \leq N \leq 100$$

Time limit: 1 second

Example

Sample Input

2

1

2

Sample Output

0

1 0