# Sphere online judge (/)

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# TRIALDIV - Trial Division

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In this problem, your task is to compute the decomposition of an integer into prime factors.

## Input

The first line of the input contains an integer **T** denoting the number of test cases. The description of **T** test cases follows. Each test case is described in a single line containing a single integer « n » ($1 \leq n \leq 10^6$).

## Output

For each test case, print in a single line the decomposition of an integer into prime factors as a list of increasing space-separated integers.

## Example

```
Input:
6
16
127
256
513
2048
5097

Output:
2 2 2 2
127
2 2 2 2 2 2 2 2
3 3 3 19
2 2 2 2 2 2 2 2 2 2 2
3 1699
```

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ntnguyen (/users/ntnguyen): 2019-12-29 09:57:14
Tks @sapjv!!! :>

**sapjv (/users/sapjv):** 2019-09-12 23:44:36

Remember : Don't print any extra space after the output for each number!

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