1001 – Opposite Task

This problem gives you a flavor the concept of special judge. That means the judge is smart enough to verify your code even though it may print different results. In this problem you are asked to find the opposite task of the previous problem.

To be specific, I have two computers where I stored my problems. Now I know the total number of problems is **n**. And there are no duplicate problems and there can be at most **10** problems in each computer. You have to find the number of problems in each of the computers.

Since there can be multiple solutions. Any valid solution will do.

Input

Input starts with an integer **T (≤ 25)**, denoting the number of test cases.

Each case starts with a line containing an integer **n (0 ≤ n ≤ 20)** denoting the total number of problems.

Output

For each case, print the number of problems stored in each computer in a single line. A single space should separate the non-negative integers.

Sample Input	Output for Sample Input
3 10 7 7	0 10 0 7 1 6