Online problem

Given a positive integer n (n<=30), generate all distinct ways to write n as the sum of positive integers using recursion. For example, with n = 4, the options are 4, 3 + 1, 2 + 2, 2 + 1 + 1, and 1 + 1 + 1 + 1.

- Each combination of sum will be considered as a distinct way. For example, 2 + 1 + 1, 1+2+1 and 1+1+2 represent the same way. You need to print the combination so that higher number are placed before the lower numbers.
- You need to print the outputs in an increasing order of integers that are present in the representation. For example, 3 + 1 should be printed before 2 + 1 + 1
- If two representations have same number of integers, the one with the highest number should be printed before. For example, 3+1 should be printed before 2+2

Sample input	**Corresponding output**
4	4 3+1 2+2 2+1+1 1+1+1+1
3	3 2+1 1+1+1
5	5 4+1 3+2 3+1+1 2+2+1 2+1+1+1 1+1+1+1+1