Christmas Tree

Chirag is a pure Desi boy. And his one and only dream is to meet Santa Claus. He decided to decorate a Christmas tree for Santa on coming Christmas. Chirag made an interesting Christmas tree that grows day by day.

The Christmas tree is comprised of the following

- Parts
- Stand

Each Part is further comprised of Branches. Branches are comprised of Leaves.

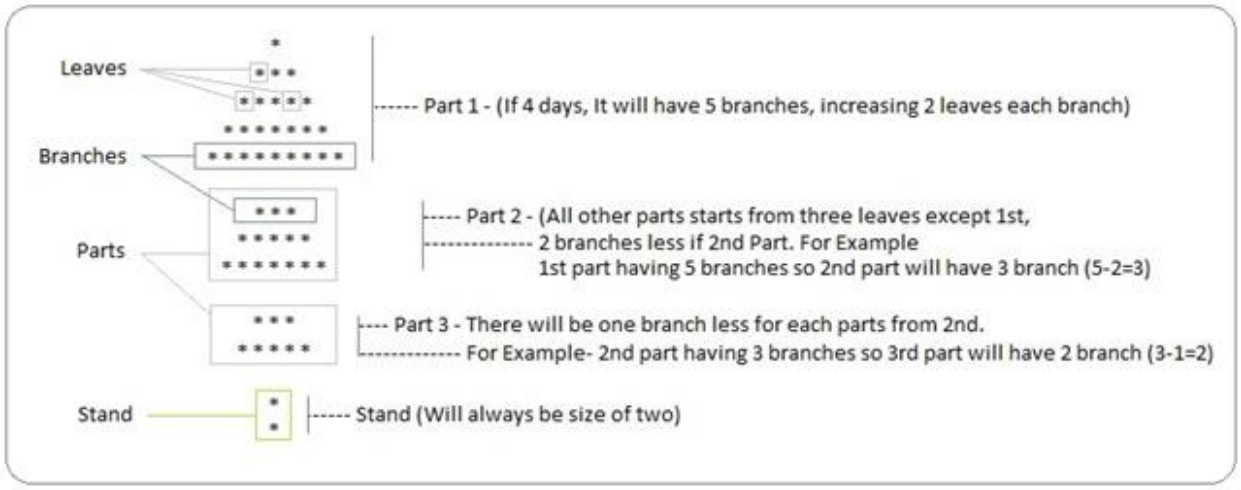
How the tree appears as a function of days should be understood. Basis that print the tree as it appears on the given day. Below are the rules that govern how the tree appears on a given day.

Write a program to generate such a Christmas tree whose input is number of days.

Rules:

1. If tree is one day old you cannot grow. Print a message “You cannot generate christmas tree”
2. Tree will die after 20 days; it should give a message “Tree is no more”
3. Tree will have one part less than the number of days. E.g.
   - On 2nd day tree will have 1 part and one stand.
   - On 3rd day tree will have 2 parts and one stand
   - On 4th day tree will have 3 parts and one stand and so on.
4. Top-most part will be the widest and bottom-most part will be the narrowest.
5. Difference in number of branches between top-most and second from top will be 2
6. Difference in number of branches between second from top and bottom-most part will be 1

Below is an illustration of how the tree looks like on 4th day



Input Format:

First line of input contains `k` - the number of inputs
The next `k` lines denote the number of days `N`

Output Format:

Print Christmas Tree for given `N`
OR

Print “You cannot generate christmas tree” if `N <= 1`
OR

Print “Tree is no more” if `N > 20`

Constraints:

0<= N <=20

Example:

Input:

k = 2

N = 1

N = 2

Output:

You cannot generate christmas tree

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