# Problem 3 – Fallen In Love

Ivancho is a student in high school. One of his classmates is his best friend Mariyka. They have known each other since they were born and it was when they were in first grade that Ivancho realized he was in love with Mariyka. Now that he is already a grown up man, he decides he can hide his feelings no more. Mariyka’s birthday is coming and Ivancho wants to impress her. He knows that recently Mariyka has started a Programming Basics course in SoftUni, so he decides to surprise her with a “virtual present”. He asked you as Mariyka’s classmate in SoftUni to write him a program, which prints a flower on the console.

## Input

The input data should be read from the console.

* On the only input line you will be given the **number** **N**.

The input data will always be valid and in the format described. There is no need to check it explicitly.

## Output

* The output should be printed on the console. Use the **“#” (number sign)** for the flower and **“~” sign for the leaves**, and **“.” dot for background**. Follow the examples below.

## Constraints

* **N** will always be a positive number in the range [**1 … 18].**
* Allowed working time for your program: 0.1 seconds. Allowed memory: 16 MB.

## Examples

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Output** | **Input** | **Output** |
| 5 | ##..........##..........##  #~#........#..#........#~#  #~~#......#....#......#~~#  #~~~#....#......#....#~~~#  #~~~~#..#........#..#~~~~#  .#~~~~~#..........#~~~~~#.  ...#~~~~#........#~~~~#...  .....#~~~#......#~~~#.....  .......#~~#....#~~#.......  .........#~#..#~#.........  ...........####...........  ............##............  ............##............  ............##............  ............##............  ............##............ | 3 | ##......##......##  #~#....#..#....#~#  #~~#..#....#..#~~#  .#~~~#......#~~~#.  ...#~~#....#~~#...  .....#~#..#~#.....  .......####.......  ........##........  ........##........  ........##........ |