6 It's the final countdown
3 points

Introduction
Different space agencies around the world plan to send manned missions to Mars during 21st century.

Many challenges are involved in these projects, like economic funding and astronaut health risks. Some scientists are currently developing and testing the different technologies to provide the first step towards Mars colonization.

And here is a critical part -- we need you to develop the software to generate the final countdown for the spaceship launch. Would you be able to do it?

Input
The input will be a single positive integer number indicating the first value of the countdown.

Output
Print out the countdown, that is the sequence backward counting starting with the input value.

Example

Input
3

Output
3 2 1 0