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Course: CS 465-002
Assignment: Homework 2

Instruction count: 18307

Algorithm: Due to the nature of this problem, we used a more mathematical approach to solving it.

There is a loop in main that calls the recursive label 16 times since we are going through [2,9] inclusive – that is an 8 number range. Each number has at least 2 other values it can jump through. So $8 * 2 = 16$. Cool!

The recursive call literally just counts up to 7 by calling itself over and over. It skips or double the recursive call based on the loop value we are on. If it finds 7 numbers, it goes to another label that increments the total number counter. After loop ends, we print it.