We wish to determine the number of ways of achieving a given score in football. For the purposes of this program, we assume that there are five ways of scoring:

- A safety: 2 points
- A field goal: 3 points
- A touchdown with no extra points: 6 points
- A touchdown with one extra point: 7 points
- A touchdown with two extra points: 8 points

For example, there are 4 ways to score 9 points:

- 3 safeties and 1 field goal
- 1 safety and 1 touchdown with one extra point
- 1 field goal and 1 touchdown with no extra point
- 3 field goals

Your program should take as input a single nonnegative integer score no greater than 100, and it should output the number of ways of achieving that score.

**Example 1:**

Enter score: 9  
Number of ways: 4

**Example 2:**

Enter score: 0  
Number of ways: 1