

### Lift Problem

There is a  $n$  storey building. It has a total of  $n$  floors.

Each time you can either go 1 or 2 floors up through lift. In how many distinct ways can you take lift to the top from the ground floor.

**Note: Initially you are on the ground floor.**

Input will consist of one number.

Output the answer.

Input	Output	Explanation
2	2	There are two ways to reach the top. 1. 1 step + 1 step 2. 2 steps
3	3	There are three ways to reach the top. 1. 1 step + 1 step + 1 step 2. 1 step + 2 steps 3. 2 steps + 1 step