

- You are climbing a staircase. It takes n steps to reach the top. Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?
- You are given an integer array cost where $\text{cost}[i]$ is the cost of i th step on a staircase. Once you pay the cost, you can either climb one or two steps. You can either start from the step with index 0, or the step with index 1. Return the minimum cost to reach the top of the staircase.
- In your country, there are only coins of denominations 1, 3, and 4. Given a nonnegative integer n , what is the fewest number of coins you can use to represent n ? If there is no way to represent n with these coins, return infinity.