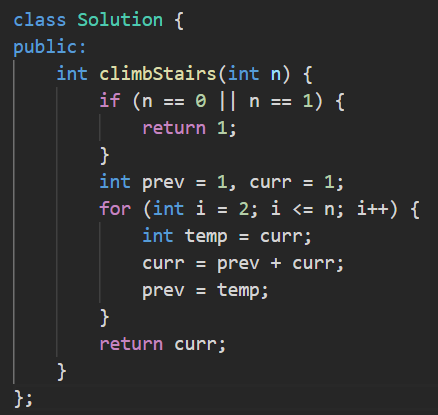
**AP 7th Assignment**

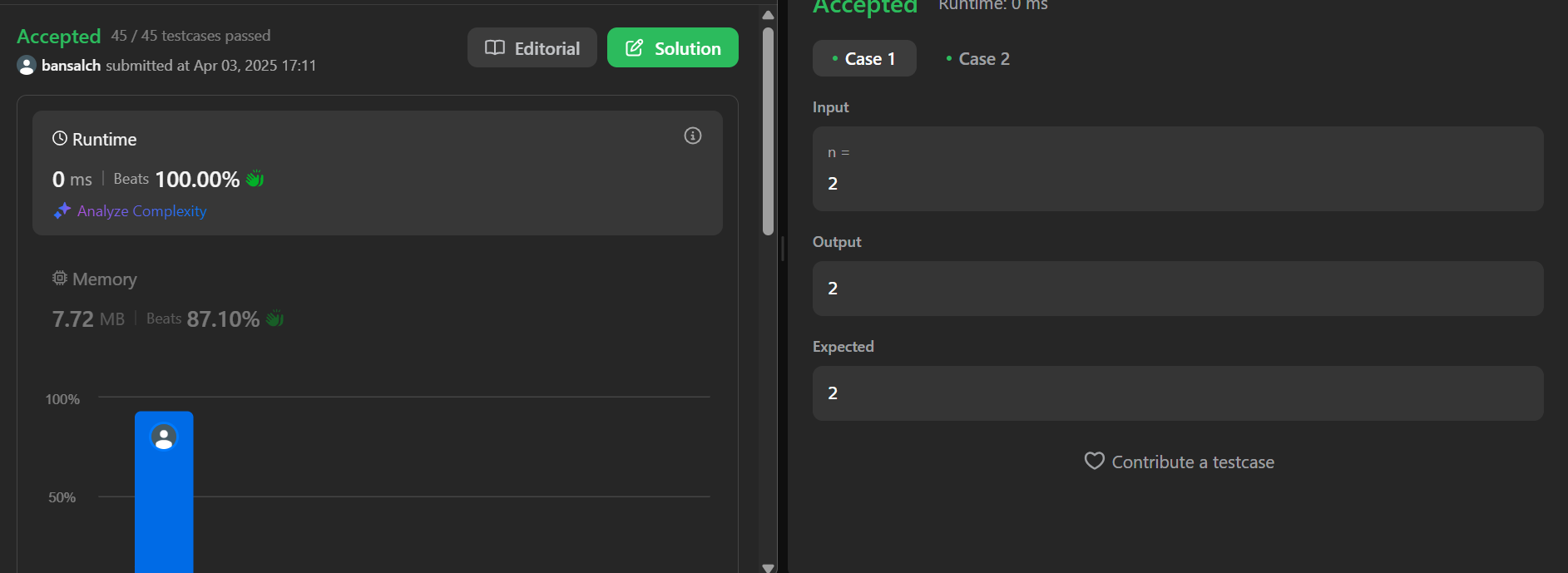
**#DP basic problems**

**Q1. Climbing Stairs**

**Code:**

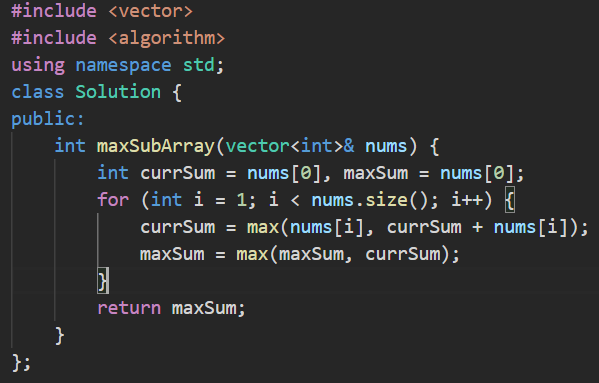
****

**Output:**

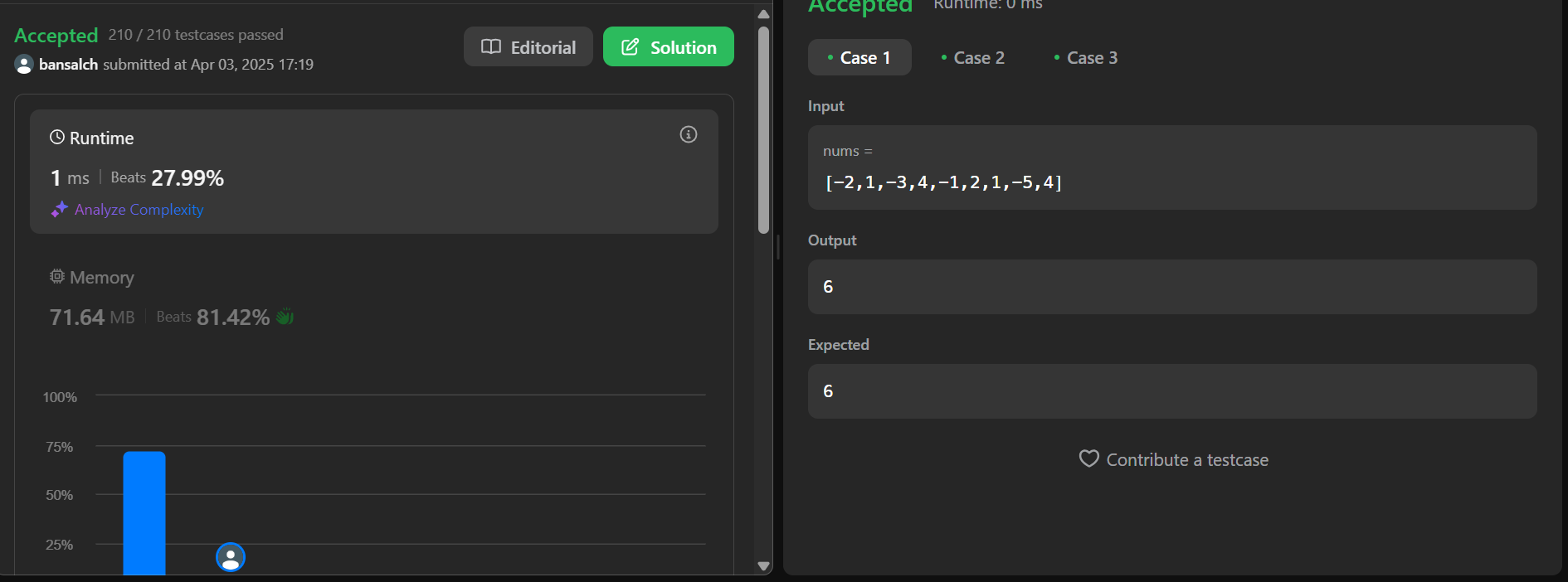
****

**Q2. Maximum Subarray**

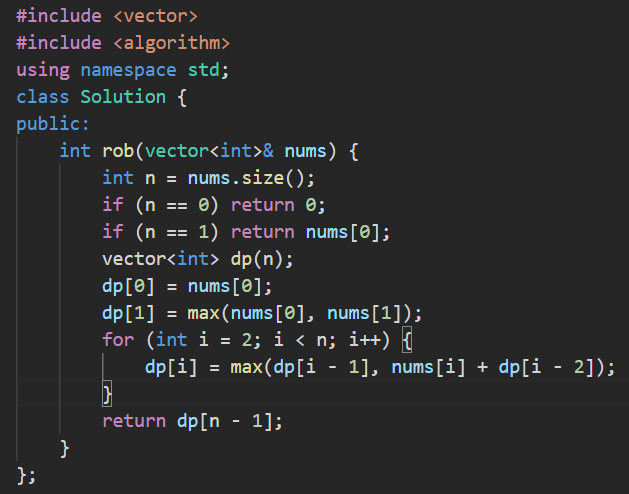
**Code:**

****

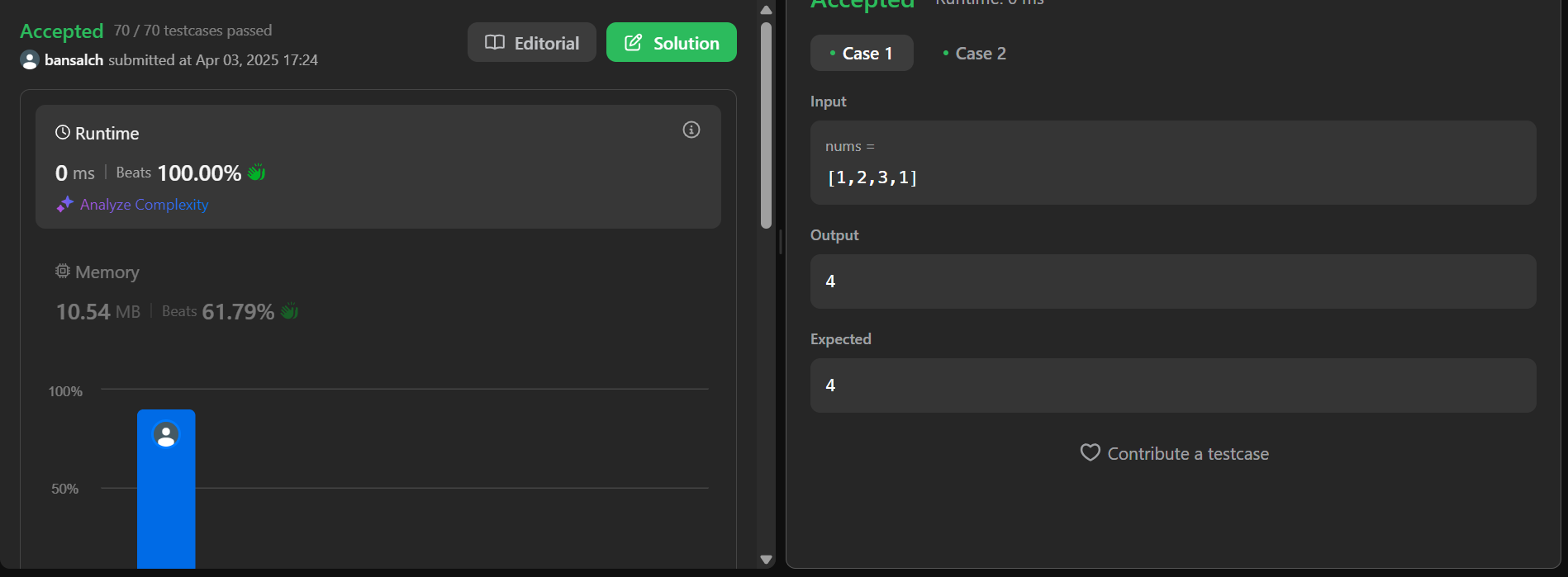
**Output:**

****

**Q3. House Robber**

**Code: **

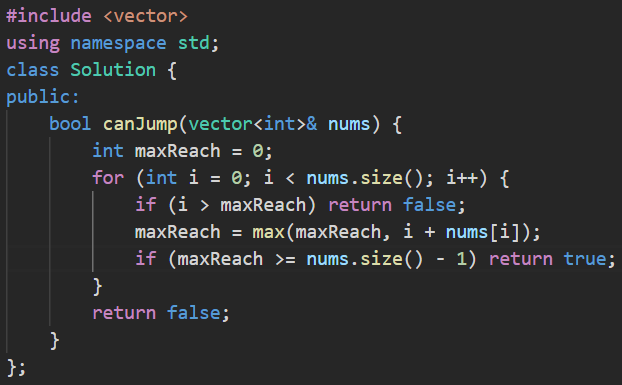
**Output:**

****

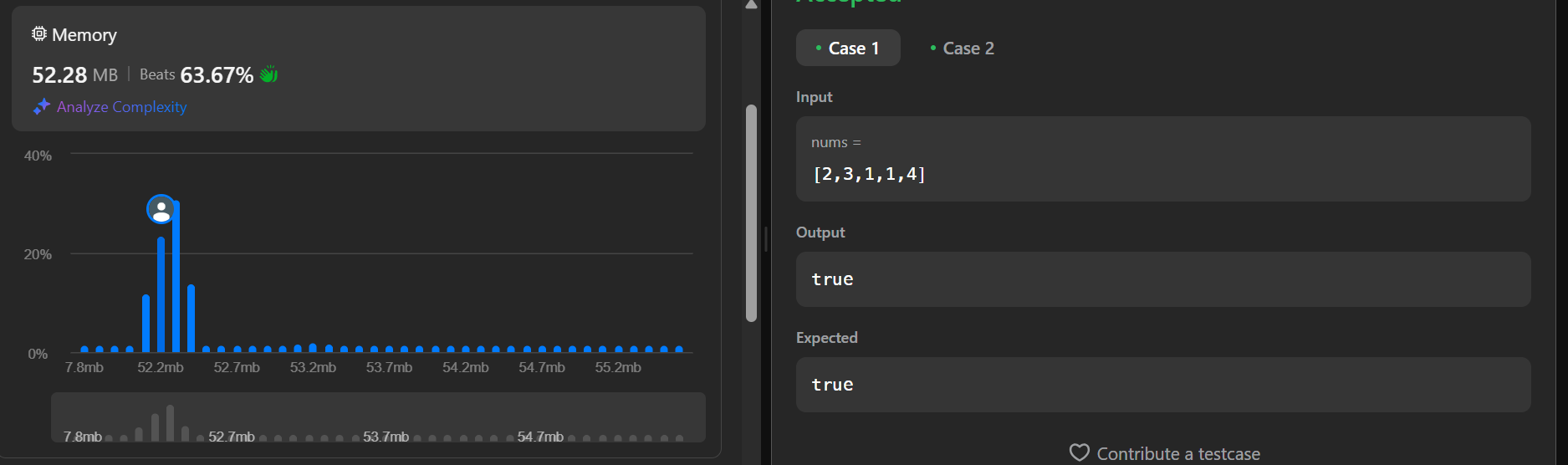
**#Dynamic Programming (Intermediate Problems)**

**Q1. Jump Game**

**Code:**

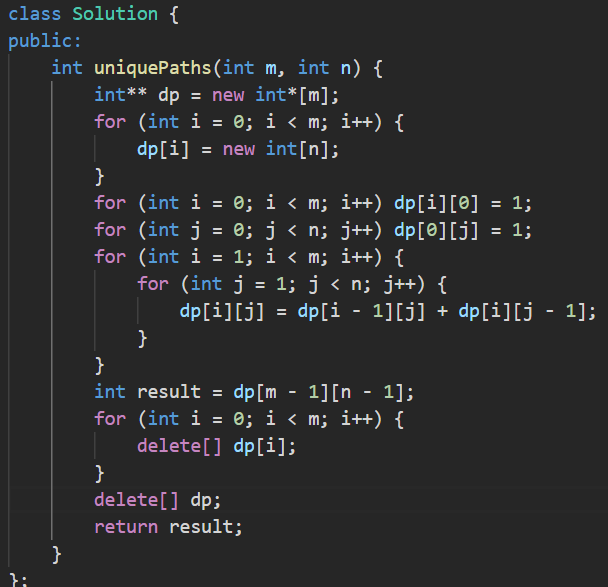
****

**Output:**

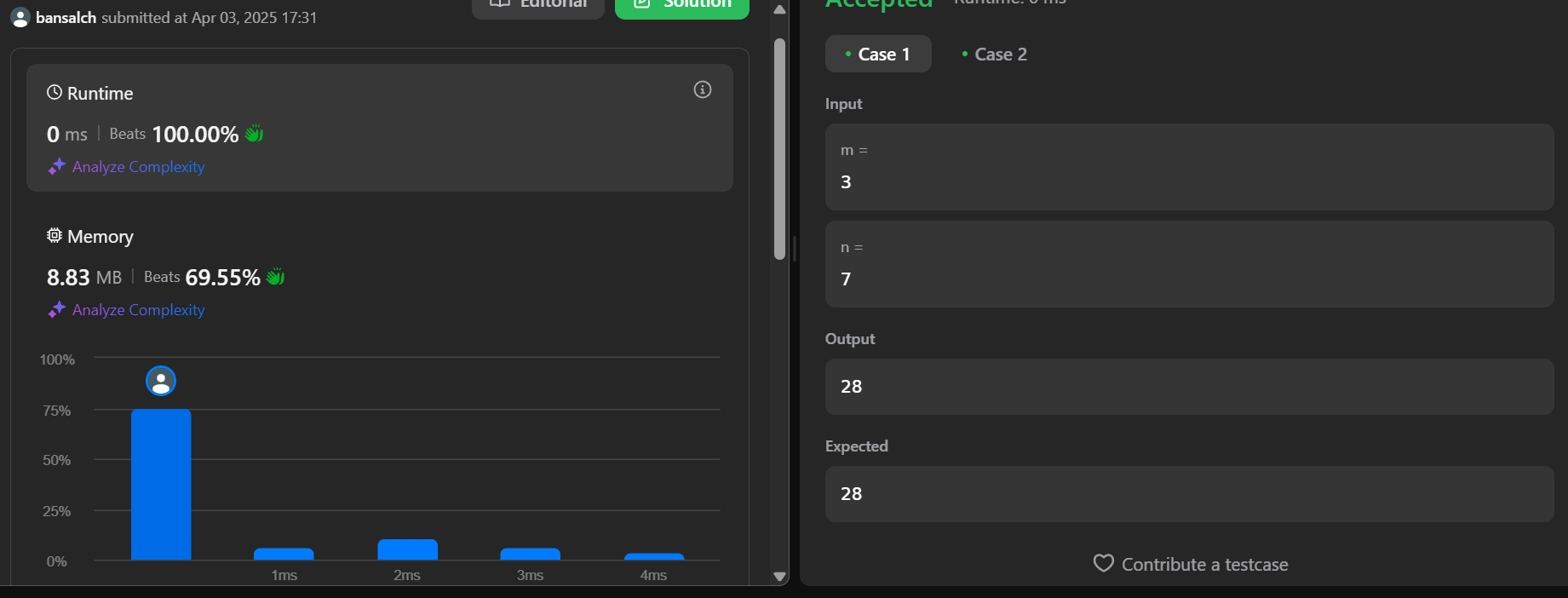
****

**Q2. Unique Paths**

**Code:**

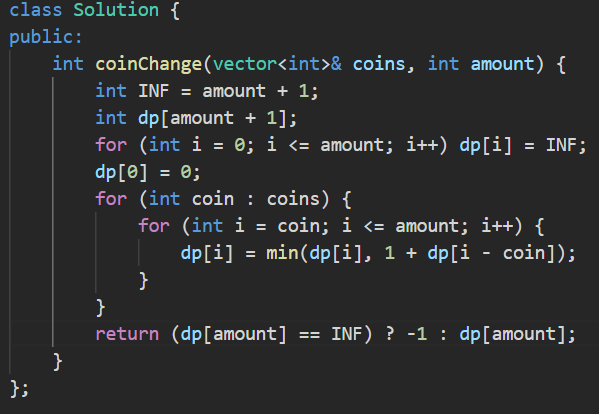
****

**Output:**

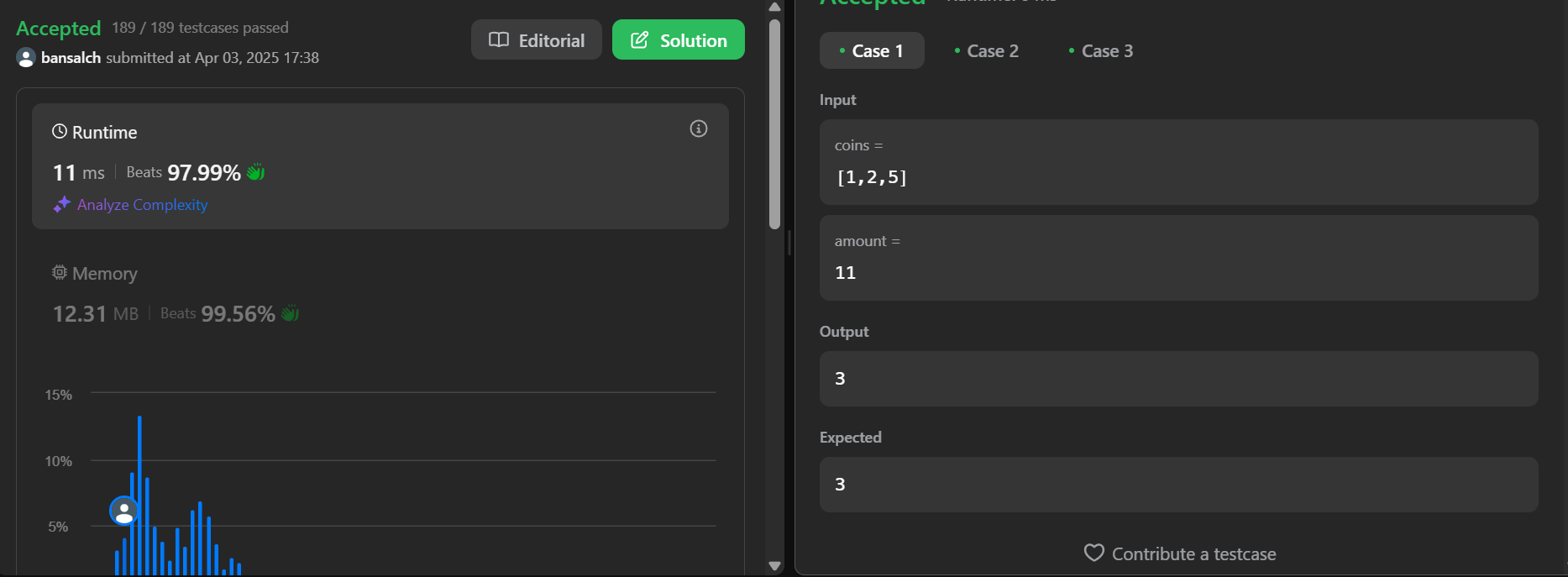
****

**Q3. Coin Change**

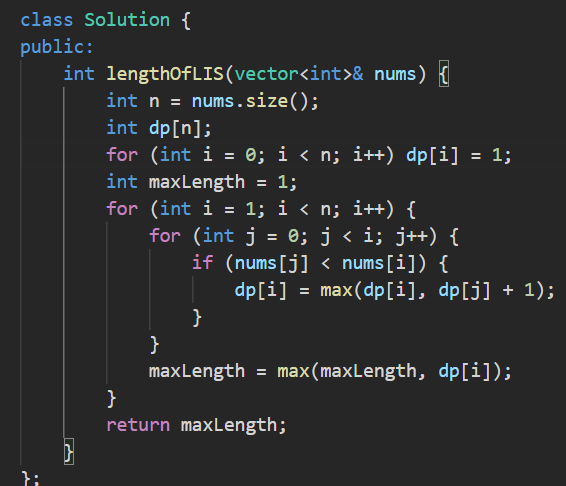
**Code:**

****

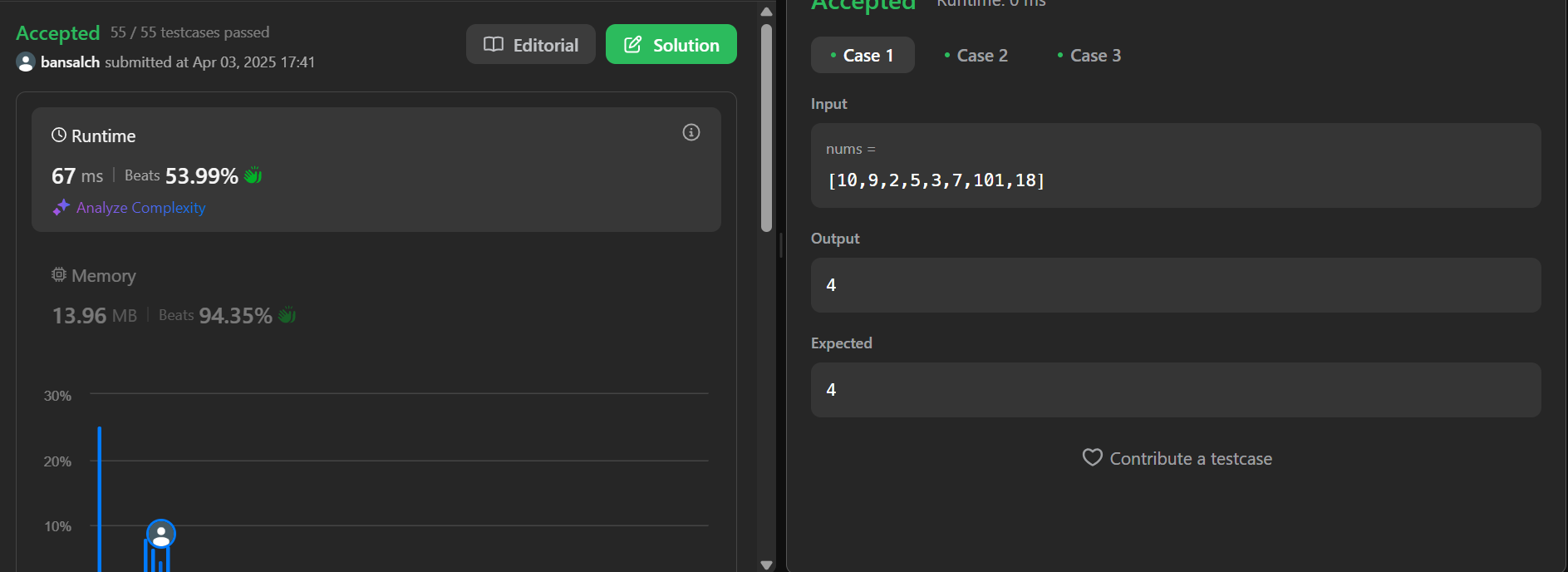
**Output:**

****

**Q4. Longest Increasing Subsequence**

**Code: **

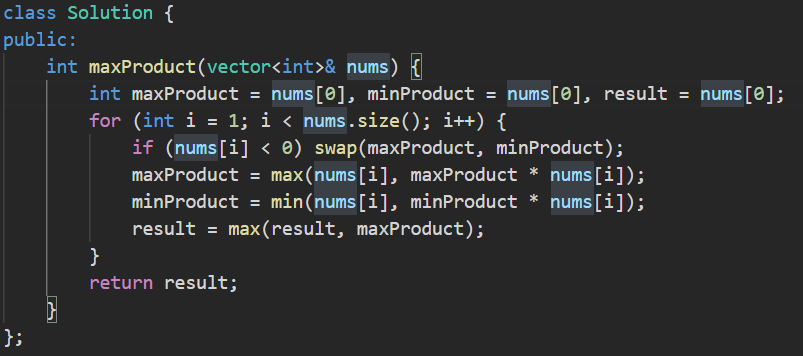
**Output:**

****

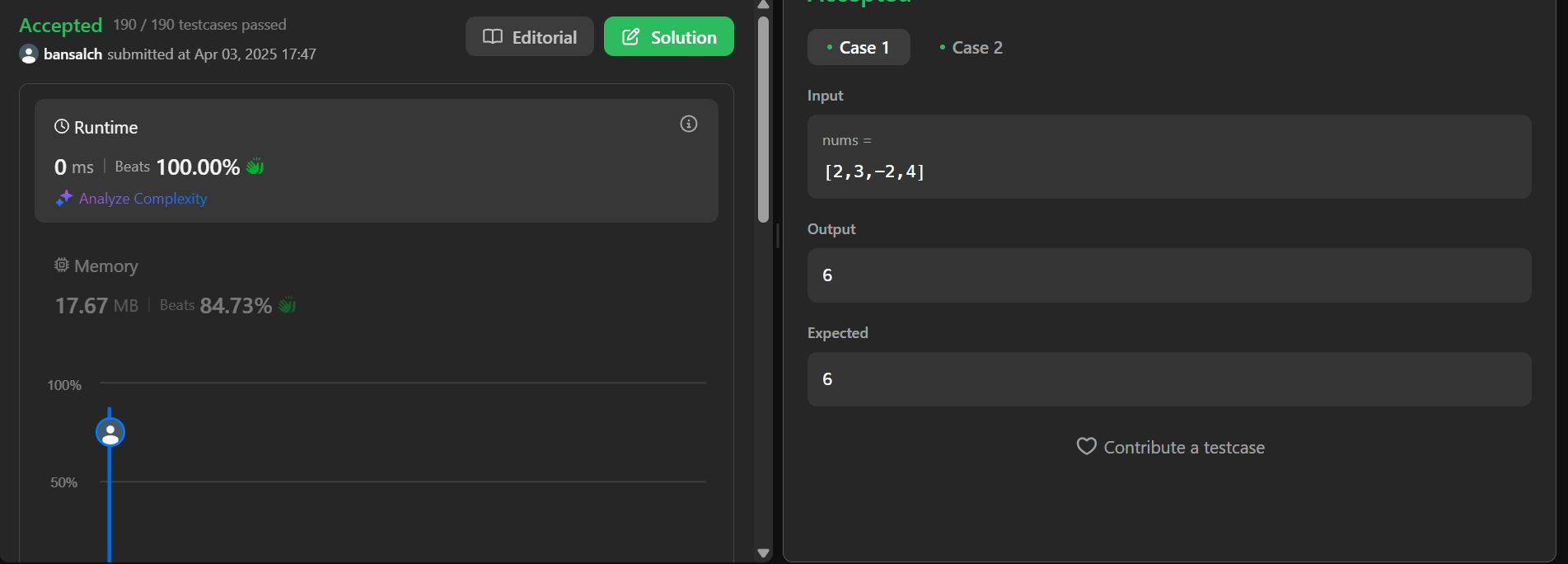
**#Dynamic Programming (Advanced Problems)**

**Q1. Maximum Product Subarray**

**Code:**

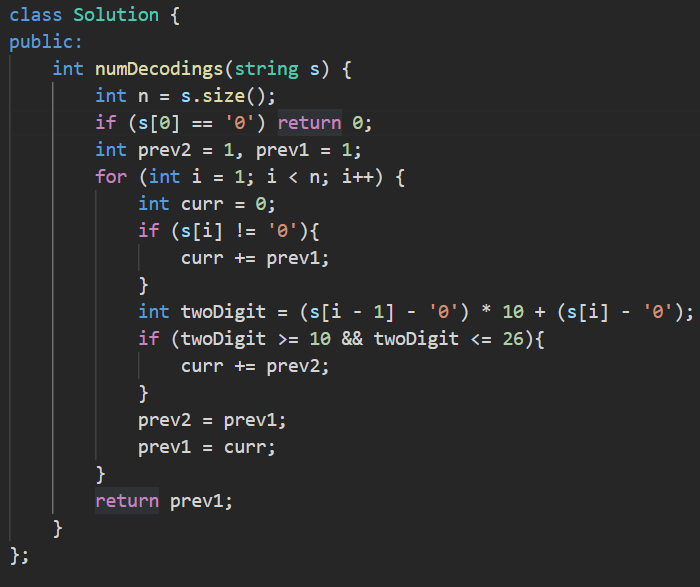
****

**Output:**

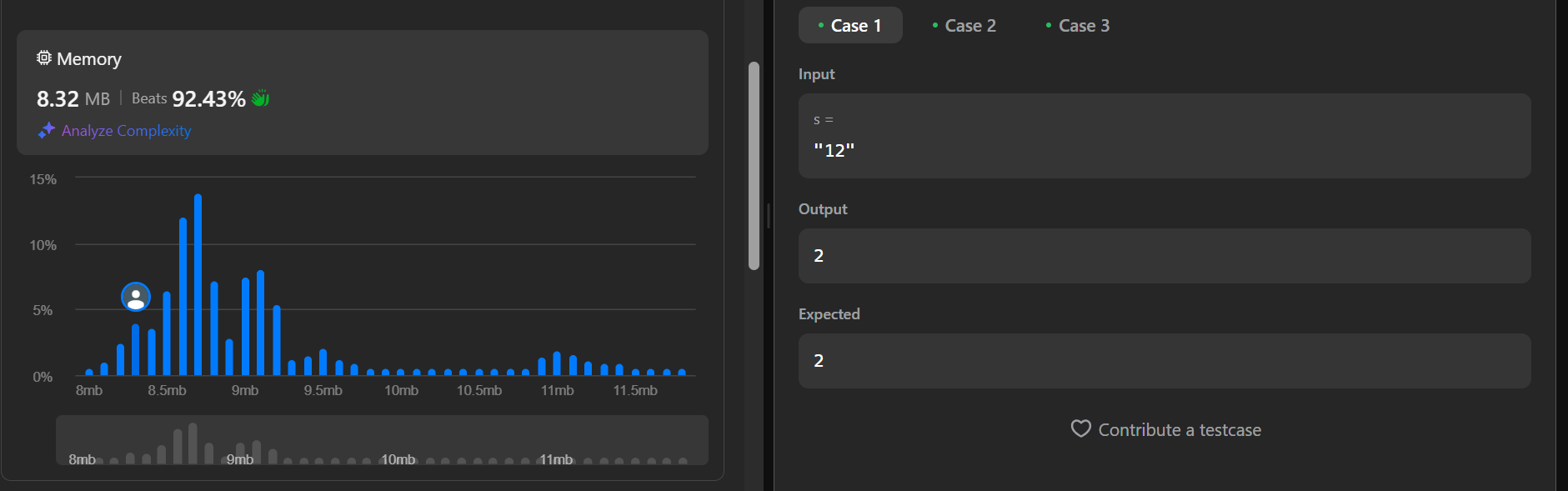
****

**Q2. Decode Ways**

**Code:**

****

**Output:**

****