You are given an integer n, the number of teams in a tournament that has strange rules:

* If the current number of teams is **even**, each team gets paired with another team. A total of n / 2 matches are played, and n / 2 teams advance to the next round.
* If the current number of teams is **odd**, one team randomly advances in the tournament, and the rest gets paired. A total of (n - 1) / 2 matches are played, and (n - 1) / 2 + 1 teams advance to the next round.

Return *the number of matches played in the tournament until a winner is decided.*

**Example 1:**

Input: n = 7  
Output: 6  
Explanation: Details of the tournament:   
- 1st Round: Teams = 7, Matches = 3, and 4 teams advance.  
- 2nd Round: Teams = 4, Matches = 2, and 2 teams advance.  
- 3rd Round: Teams = 2, Matches = 1, and 1 team is declared the winner.  
Total number of matches = 3 + 2 + 1 = 6.

**Example 2:**

Input: n = 14  
Output: 13  
Explanation: Details of the tournament:  
- 1st Round: Teams = 14, Matches = 7, and 7 teams advance.  
- 2nd Round: Teams = 7, Matches = 3, and 4 teams advance.  
- 3rd Round: Teams = 4, Matches = 2, and 2 teams advance.  
- 4th Round: Teams = 2, Matches = 1, and 1 team is declared the winner.  
Total number of matches = 7 + 3 + 2 + 1 = 13.

**Constraints:**

* 1 <= n <= 200