

1688. Count of Matches in Tournament(計算錦標賽的對戰場數)

傳入一個整數 n , 代表參加錦標賽的隊伍數目, 此錦標賽的賽程規則如下:

- 如果目前參數競賽的隊伍數目是 **偶數**, 則兩兩對戰, 有一半隊伍被淘汰, 另一半晉級.
- 如果目前參數競賽的隊伍數目是 **奇數**, 則抽籤一隊自動晉級, 剩下的兩兩對戰, 參加對戰的有一半隊伍被淘汰, 另一半晉級..

回傳總共要有幾場對戰才會產生冠軍.

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:

- $1 \leq n \leq 200$