2834. Find the Minimum Possible Sum of a Beautiful Array

Description

You are given positive integers `n` and `target`.

An array `nums` is **beautiful** if it meets the following conditions:

- `nums.length == n`.
- `nums` consists of pairwise **distinct** **positive** integers.
- There doesn't exist two **distinct** indices, `i` and `j`, in the range `[0, n - 1]`, such that `nums[i] + nums[j] == target`.

Return *the* ***minimum*** *possible sum that a beautiful array could have modulo* `10^9 + 7`.

Example 1:

```
Input: n = 2, target = 3
Output: 4
Explanation: We can see that nums = [1,3] is beautiful.
- The array nums has length n = 2.
- The array nums consists of pairwise distinct positive integers.
- There doesn't exist two distinct indices, i and j, with nums[i] + nums[j] == 3.
It can be proven that 4 is the minimum possible sum that a beautiful array could have.
```

Example 2:

```
Input: n = 3, target = 3
Output: 8
Explanation: We can see that nums = [1,3,4] is beautiful.
- The array nums has length n = 3.
- The array nums consists of pairwise distinct positive integers.
- There doesn't exist two distinct indices, i and j, with nums[i] + nums[j] == 3.
It can be proven that 8 is the minimum possible sum that a beautiful array could have.
```

Example 3:

```
Input: n = 1, target = 1
Output: 1
Explanation: We can see, that nums = [1] is beautiful.
```

Constraints:

- `1 <= n <= 10^9`
- `1 <= target <= 10^9`