667. Beautiful Arrangement II

Description

Given two integers `n` and `k`, construct a list `answer` that contains `n` different positive integers ranging from `1` to `n` and obeys the following requirement:

- Suppose this list is `answer = [a[1], a[2], a[3], ... , a[n]]`, then the list `[|a[1] - a[2]|, |a[2] - a[3]|, |a[3] - a[4]|, ... , |a[n-1] - a[n]|]` has exactly `k` distinct integers.

Return *the list* `answer`. If there multiple valid answers, return **any of them**.

Example 1:

```
Input: n = 3, k = 1
Output: [1,2,3]
Explanation: The [1,2,3] has three different positive integers ranging from 1 to 3, and the [1,1] has exactly 1 distinct integer: 1
```

Example 2:

```
Input: n = 3, k = 2
Output: [1,3,2]
Explanation: The [1,3,2] has three different positive integers ranging from 1 to 3, and the [2,1] has exactly 2 distinct integers: 1 and 2.
```

Constraints:

- `1 <= k < n <= 10^4`