Given two integers n and k, return all possible combinations of k numbers out of 1 ... n.

You may return the answer in any order.

## Example 1:

```
Input: n = 4, k = 2
Output:
[
  [2,4],
  [3,4],
  [2,3],
  [1,2],
  [1,3],
  [1,4],
```

## Example 2:

```
Input: n = 1, k = 1
Output: [[1]]
```

## Constraints:

- 1 <= n <= 20
- 1 <= k <= n