

77. Combinations

Description

Given two integers `n` and `k`, return *all possible combinations of `k` numbers chosen from the range `[1, n]`*.

You may return the answer in **any order**.

Example 1:

Input: `n = 4, k = 2`

Output: `[[1,2],[1,3],[1,4],[2,3],[2,4],[3,4]]`

Explanation: There are 4 choose 2 = 6 total combinations.

Note that combinations are unordered, i.e., `[1,2]` and `[2,1]` are considered to be the same combination.

Example 2:

Input: `n = 1, k = 1`

Output: `[[1]]`

Explanation: There is 1 choose 1 = 1 total combination.

Constraints:

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

