

Leet Code

Day-44 Q-01 Combinations

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

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`