

전체 수 n을 입력받아 k개의 조합을 리턴하라.

Input: n = 4, k = 2

Output:

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

1.dfs

import itertools

class Solution:

def combine(self, n: int, k: int) -> List[List[int]]:

def dfs(cur, nex):

if len(cur) == k:

result.append(cur)

return

for i, n in enumerate(nex):

_cur = cur[:]

_nex = nex[i + 1:]

_cur.append(n)

dfs(_cur, _nex)

result = []

nums = [_n for _n in range(1, n + 1)]

dfs([], nums)

return result

2.itertools.combinations 모듈

import itertools

class Solution:

def combine(self, n: int, k: int) -> List[List[int]]:

return list(itertools.combinations(range(1, n + 1), k))