1641. Count Sorted Vowel Strings

Given an integer `n`, return *the number of strings of length `n` that consist only of vowels (`a`, `e`, `i`, `o`, `u`) and are lexicographically sorted.*

A string `s` is lexicographically sorted if for all valid `i`, `s[i]` is the same as or comes before `s[i+1]` in the alphabet.

Example 1:

```
Input: n = 1
Output: 5
Explanation: The 5 sorted strings that consist of vowels only are
`["a","e","i","o","u"].`
```

Example 2:

```
Input: n = 2
Output: 15
Explanation: The 15 sorted strings that consist of vowels only are
["aa","ae","ai","ao","au","ee","ei","eo","eu","ii","io","iu","oo","ou","uu
"].
Note that "ea" is not a valid string since 'e' comes after 'a' in the
alphabet.
```

Example 3:

```
Input: n = 33
Output: 66045
```

Constraints:

- `1 <= n <= 50`
-
```
        def countVowelStrings(self, n: int) -> int:
                dp = [i for i in range(1,6)][::-1]
                if n==1:
                    return 5
                if n==2:
                    return 15
                for i in range(3,n+1):
```

```
                    dp[0] = sum(dp)
                    dp[1] = sum(dp[1:])
                    dp[2] = sum(dp[2:])
                    dp[3] = sum(dp[3:])
                    dp[4] = 1
                return sum(dp)
```