

항목들을 조합하여 만들 수 있는 가장 큰 수를 출력하라.

Input: nums = [10,2]

Output: "210"

1. 'a'+'b' > 'b' + 'a' 비교 정렬

class Solution:

```
def largestNumber(self, nums: List[int]) -> str:
    for i in range(len(nums) - 1):
        for j in range(len(nums) - 1 - i):
            if str(nums[j]) + str(nums[j + 1]) < str(nums[j + 1]) + str(nums[j]):
                nums[j], nums[j + 1] = nums[j + 1], nums[j]
    return str(int(''.join([str(n) for n in nums])))
```

class Solution:

```
@staticmethod
def to_swap(n1: int, n2: int) -> bool:
    return str(n1) + str(n2) < str(n2) + str(n1)
```

```
def largestNumber(self, nums: List[int]) -> str:
    i = 1
    while i < len(nums):
        j = i
        while j > 0 and self.to_swap(nums[j - 1], nums[j]):
            nums[j], nums[j - 1] = nums[j - 1], nums[j]
        j -= 1
        i += 1
    return str(int(''.join(map(str, nums))))
```

from functools import cmp_to_key

class Solution:

```
def largestNumber(self, nums: List[int]) -> str:
    return str(int(''.join(sorted([str(n) for n in nums], key = cmp_to_key(lambda a, b:-1 if int(a + b) < int(b + a) else 1), reverse = True))))
```