6354. K Items With the Maximum Sum

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User Accepted:	1390
User Tried:	1856
Total Accepted:	1746
Total Submissions:	2533
Difficulty:	Easy

There is a bag that consists of items, each item has a number `1`, `0`, or `-1` written on it.

You are given four **non-negative** integers `numOnes`, `numZeros`, `numNegOnes`, and `k`.

The bag initially contains:

- `numOnes` items with `1`s written on them.
- `numZeroes` items with `0`s written on them.
- `numNegOnes` items with `-1`s written on them.

We want to pick exactly `k` items among the available items. Return *the **maximum** possible sum of numbers written on the items*.

Example 1:

```
Input: numOnes = 3, numZeros = 2, numNegOnes = 0, k = 2
Output: 2
Explanation: We have a bag of items with numbers written on them {1, 1, 1, 0, 0}. We take 2 items with 1 written on them and ge
It can be proven that 2 is the maximum possible sum.
```

Example 2:

```
Input: numOnes = 3, numZeros = 2, numNegOnes = 0, k = 4
Output: 3
Explanation: We have a bag of items with numbers written on them {1, 1, 1, 0, 0}. We take 3 items with 1 written on them, and 1
It can be proven that 3 is the maximum possible sum.
```

Constraints:

- `0 <= numOnes, numZeros, numNegOnes <= 50`
- `0 <= k <= numOnes + numZeros + numNegOnes`

JavaScript

```
const kItemsWithMaximumSum = (numOnes, numZeros, numNegOnes, k) => {
    let a = Array(numOnes).fill(1).concat(Array(numZeros).fill(0)).concat(Array(numNegOnes).fill(-1)).sort((x, y) => y -
x), res = 0, p = 0;
    while (k--) res += a[p++];
    return res;
};
```

Custom Testcase Use Example Testcases

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Submission Result: Accepted (/submissions/detail/922161618/) More Details (/submissions/detail/922161618/)

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