6450. Determine the Minimum Sum of a k-avoiding Array

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You are given two integers, `n` and `k`.

An array of **distinct** positive integers is called a **k-avoiding** array if there does not exist any pair of distinct elements that sum to `k`.

Return *the **minimum** possible sum of a k-avoiding array of length* `n`.

User Accepted:	4121
User Tried:	4839
Total Accepted:	4150
Total Submissions:	5678
Difficulty:	Medium

Example 1:

```
Input: n = 5, k = 4
Output: 18
Explanation: Consider the k-avoiding array [1,2,4,5,6], which has a sum of 18.
It can be proven that there is no k-avoiding array with a sum less than 18.
```

Example 2:

```
Input: n = 2, k = 6
Output: 3
Explanation: We can construct the array [1,2], which has a sum of 3.
It can be proven that there is no k-avoiding array with a sum less than 3.
```

Constraints:

- `1 <= n, k <= 50`

JavaScript

```
const minimumSum = (n, k) => {
    let se = new Set(), upper = Math.max(n, k);
    for (let i = 1; i < upper; i++) {
        if (!se.has(k - i)) se.add(i);
    }
    if (se.size >= n) return [...se].slice(0, n).reduce(((x, y) => x + y), 0);
    // pr("111", se);
    let v = upper, res = 0;
    while (se.size < n) {
        if (!se.has(v)) se.add(v);
        v++;
    }
    // pr(se)
    for (const x of se) res += x;
    return res;
};
```

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