Our Solution(s) Run Code

Solution 1 Solution 2 Solution 3

```cpp
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#include <vector>
#include <unordered_set>
using namespace std;

// O(n) time | O(n) space
vector<int> twoNumberSum(vector<int> array, int targetSum) {
  unordered_set<int> nums;
  for (int num : array) {
    int potentialMatch = targetSum - num;
    if (nums.find(potentialMatch) != nums.end()) {
      return vector<int>{potentialMatch, num};
    } else {
      nums.insert(num);
    }
  }
  return {};
}
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```cpp
#include <vector>
using namespace std;

vector<int> twoNumberSum(vector<int> array, int targetSum) {
  // Write your code here.
  return {};
}

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.