Our Solution(s)   Run Code

Solution 1   Solution 2

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

// O(n) time | O(n) space
int maxSubsetSumNoAdjacent(vector<int> array) {
  if (array.size() == 0) {
    return 0;
  } else if (array.size() == 1) {
    return array[0];
  }
  vector<int> maxSums = array;
  maxSums[1] = max(array[0], array[1]);
  for (int i = 2; i < array.size(); i++) {
    maxSums[i] = max(maxSums[i - 1], maxSums[i - 2] + array[i]);
  }
  return maxSums[array.size() - 1];
}
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

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

int maxSubsetSumNoAdjacent(vector<int> array) {
  // Write your code here.
  return -1;
}
```

Custom Output   Raw Output   Submit Code

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

int maxSubsetSumNoAdjacent(vector<int> array) {
```

Run or submit code when you're ready.