Our Solution(s) Run Code

Solution 1 Solution 2

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

vector<vector<int>> powersetHelper(vector<int> array, int idx);

// O(n*2^n) time | O(n*2^n) space
vector<vector<int>> powerset(vector<int> array) {
  return powersetHelper(array, array.size() - 1);
}

vector<vector<int>> powersetHelper(vector<int> array, int idx) {
  if (idx < 0) {
    return vector<vector<int>>{{}};
  }
  int ele = array[idx];
  vector<vector<int>> subsets = powersetHelper(array, idx - 1);
  int length = subsets.size();
  for (int i = 0; i < length; i++) {
    vector<int> currentSubset = subsets[i];
    vector<int> newSubset = currentSubset;
    newSubset.push_back(ele);
    subsets.push_back(newSubset);
  }
  return subsets;
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

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

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

```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.