Our Solution(s) Run Code

Solution 1

```cpp
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

#include <cmath>
#include <vector>

using namespace std;

struct StringMeeting {
  string start;
  string end;
};

struct Meeting {
  int start;
  int end;
};

vector<Meeting> updateCalendar(vector<StringMeeting> calendar,
                               StringMeeting dailyBounds);
vector<Meeting> mergeCalendars(vector<Meeting> calendar1,
                               vector<Meeting> calendar2);
vector<Meeting> flattenCalendar(vector<Meeting> calendar);
vector<StringMeeting> getMatchingAvailabilities(vector<Meeting> calen
                                                int meetingDuration);
int timeToMinutes(string time);
string minutesToTime(int minutes);

// O(c1 + c2) time | O(c1 + c2) space - where c1 and c2 are the respec
// numbers of meetings in calendar1 and calendar2
vector<StringMeeting> calendarMatching(vector<StringMeeting> calendar1
                                       StringMeeting dailyBounds1,
                                       vector<StringMeeting> calendar2
                                       StringMeeting dailyBounds2,
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```cpp
#include <vector>

using namespace std;

struct StringMeeting {
  string start;
  string end;
};

vector<StringMeeting> calendarMatching(vector<StringMeeting> calendar1
                                       StringMeeting dailyBounds1,
                                       vector<StringMeeting> calendar2
                                       StringMeeting dailyBounds2,
                                       int meetingDuration) {
  // Write your code here.
  return {};
}

```

Our Tests

Custom Output Submit Code

```
        solution[i][j+1] != solution[i][j+1])
      return false;
  }
  return true;
}

class ProgramTest : public TestSuite {
public:
  void Run() {
    Runtest("Test Case 1", [](){
      vector<vector<string>> solution1 = {
          {"0.0", "10.0"}, {"2.0", "12.0"}, {"14.0", "16.0"}};
      vector<string> solution1 = {"0.0", "10.0"};
      vector<vector<string>> solution2 = {{"10.0", "12.0"},
                                          {"12.0", "14.0"},
```

Run or submit code when you're ready.