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525. Contiquous Array
Given a binary array nuns, return the maximum length of a contiguous
Subarray vith an equal number of Os and 1s.
Ex.
    Input: 001011000
     Output: 6
Constraints:
       1 <= nums. length <= 105
     nuns[i] = 1 or D
 Solution # 1: Brute Force
   for (auto it arr. chegin() 3; ic arr. cend(); tti) ( O(1)
       for (auto j & i+1 3; j c = arr.cend (); ++j) { (a)
           constanto zero = std::count (i, j, 0); o(n) > o(1)
           Const auto one = std:: count(i, j, 1); by having variables
           if ( one == zero ) {
              answer = std:: max l one + zero, answer);
```

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Improvements:
     001101
Comt -1-2-10-10
       1 1 1
   1.) If count == 0 =7 ans = current iterator
      If m.contains(count) => ans = std:: max(ans, i - n at(count))
   n will contain the index of the first count.
   auto find Max Length (const std:: vector cint 7 & nuns) - int &
         if (nums. size () == 1) {
           return 1;
         int count {};
         int ans {1};
         std:: unordered_nap & int, int > m;
         for ( int its; ic nums.size(); ++i) {
             (ount += nums.at(i) ? 1:-1;
              if ( 0 = > count) {
                 ans = i + 1;
              5 continue;
             if (m. contains (count)) ¿
                ans = std::naxlans, i-m.at(count);
               Continue;
             m.insert ( & count, i3);
         return ans;
```