```
simple example
nums: 3,2,4, target = 6
6 \rightarrow (2,4) \rightarrow (1,2)
1+4=6 indexes
Loging over numb

i=0, numblé 3, g=6-3=3 does it excists in numble and 3
i=4, nums[1]=2, y=6-2=4 does it .--
undexest, 2 (2+4=6)
we do she search with map (0(1)
         class Solution {
         public:
           std::vector<int> twoSum(std::vector<int> &nums, int target) {
              map<int, int> numsIndexes;
              for (int i = 0; i < nums.size(); i++) {
                numsIndexes[nums[i]] = i;
              }
              for (int i = 0; i < nums.size(); i++) {
                int calculatedTarget = target - nums[i];
                if (numsIndexes.contains(calculatedTarget)) {
                   int j = numsIndexes[calculatedTarget];
                   if (i == j) {
                     continue;
                   return {i, j};
              return {};
         };
```

```
index 0:3 _ 6_3=3 not in map entity
  descy: 2 >6-2 = 4 not in mar
       store I in map, we have (3,2)
indexel: 4 -> 6-4=2 -> exists in map
               20 9+2 = 6 (1/2)
          class Solution {
          public:
            std::vector<int> twoSum(std::vector<int> &nums, int target) {
              map<int, int> numsIndexes;
             for (int i = 0; i < nums.size(); i++) {
               int calculatedTarget = target - nums[i];
               if (numsIndexes.contains(calculatedTarget)) {
                 int j = numsIndexes[calculatedTarget];
                 if (i == j) {
                  continue;
                 return {j, i};
               } else {
                 numsIndexes[nums[i]] = i;
              return {};
          };
```