Palindrome Permutation: Given a string, write a function to check it it is a permutation of a palindrome. Ex) input: Tact Coa output: true ("taco cat", "atco cta", etc). A palindrome is a string that: 1) has at least two characters ("a" wint a powerdrome) 2) if It has a length that is an even number, then each recorded character must exist in the string an even number of instances 3) it it has an odd length, then one character is allowed to have an odd number of instances ex) racecar, 3 length = 7 this matches 3's r - 2 criteria, and 980 tells us to use a dictionary, where the keys are the characters e - 1 of the string, I the values are the number of instances of the key in the string. Implementation: is Permutation of Palindrome (str) { if (str.length < 2) { neturn false; lut charmap = new Map();

for(lut i=0; i < 6tr.length; it+){

if(charmap.has(6tr[i]) {

charmap.set(str[i], charmap.get(str[i]) + 1);

} else {

charmap.set(6tr[i], 1);

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  let nonEvenCount = D;
  for(let value of charmap. values ()) {
      if (value % 2 !== 0) {
         non Even Count ++;
   3
  it (str.length % 2 === 0) ?
       7.f (non Even Count > 1) {
          neturn falsei
       3 else ?
         netum true;
   3 el se 2
       14 (non Even co unt === 1) {
          return thu;
       7
   bet um false;
Complexity:
Time: 2n = 0(n)
 space: O(n), due to the harh map
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