**Checking If a String Is a Valid Shuffle of Two Other Strings**

let str1 = "XTY";

let str2 = "YTY";

let str3 = "XTYTYY";

let str4 = "TTT";

function checkShuffle(str1, str2, str3) {

  if (str1.length + str2.length !== str3.length) {

    return false;

  }

  let m = new Map();

  for (let i = 0; i < str1.length; i++) {

    m.set(str1[i], (m.get(str1[i]) ?? 0) + 1);

  }

  for (let i = 0; i < str2.length; i++) {

    m.set(str2[i], (m.get(str2[i]) ?? 0) + 1);

  }

  for (let i = 0; i < str3.length; i++) {

    if (m.has(str3[i]) && m.get(str3[i]) >= 0) {

      m.set(str3[i], m.get(str3[i]) - 1);

    } else if (m.has(str3[i]) && m.get(str3[i]) < 0) {

      return false;

    } else {

      return false;

    }

  }

  return true;

}

console.log(checkShuffle(str1, str2, str3))

console.log(checkShuffle(str1, str4, str3))