Petya loves lucky numbers very much. Everybody knows that lucky numbers are positive integers which decimal representations contain only the lucky digits 4and 7. For example, numbers 47, 744, 4are lucky and 5, 17, 467 are not.

Petya loves tickets very much. As we know, each ticket has a number that is a positive integer. Its length equals n. Petya calls a ticket lucky if the ticket's number is a lucky number, and the sum of the digits in the first half (the sum of the first n / 2 digits) equals the sum of digits in the second half (the sum of the last n / 2 digits). Check if the given ticket is lucky.

**Example:**

LuckyTicket(2, "47") = "NO"

* **[input] integer n**
  + The number of digits. n is always even, 2 ≤ n ≤ 50
* **[input] string s**
  + The number of the ticket.
* **[output] string**
  + "YES" if the given number is lucky,"NO" otherwise.

<https://codefights.com/challenge/qqCQZZWBnD6G9Zs4C>

static string LuckyTicket(int n, string s)

{

int s1 = 0, s2 = 0;

for (int i = 0; i < n; i++)

{

if (s[i] != '4' && s[i] != '7')

{

return "NO";

}

if (i < n / 2)

{

s1 += int.Parse(s[i].ToString());

}

else

{

s2 += int.Parse(s[i].ToString());

}

}

if (s1 == s2)

{

return "YES";

}

return "NO";

}