1266. Find the Difference

Given two strings **s** and **t** which consist of only lowercase letters.

String **t** is generated by random shuffling string **s** and then add one more letter at a random position.

Find the letter that was added in **t**.

Example

Input:

s = "abcd"

t = "abcde"

Output:

e

Explanation:

'e' is the letter that was added.

<https://www.lintcode.com/problem/find-the-difference/description>

1. **public** **class** Solution {
2. ***/\*\****
3. ***\* @param s: a string***
4. ***\* @param t: a string***
5. ***\* @return: the letter that was added in t***
6. ***\*/***
7. **public** **char** findTheDifference(String s, String t) {
8. *// Write your code here*
9. **int** sum\_s = 0;
10. **for**(**int** i =0; i<s.length(); i++)
11. {
12. sum\_s += (**int**)s.charAt(i);
13. }
14. **int** sum\_t = 0;
15. **for**(**int** i =0; i<t.length(); i++)
16. {
17. sum\_t += (**int**)t.charAt(i);
18. }
20. **return** (**char**)(sum\_t - sum\_s);
21. }
22. }