

~~R22~~
~~12/1~~

The question might be seeming confusing at first, but then, only thing is you need to read the problem statement correctly.

(S, t) are isomorphic if S becomes equal to t by the following operation

Operation:-

~~Occurrences of All characters~~ Let's say you map a character in S , to a character in t . then you replace all the occurrences of that character with the character in new mapped character in the string t . Like this if you are able to do for all the ~~strings~~ characters and somehow $(S=t)$ then isomorphic.

Condition. 1) One character can only be mapped to one character.
one to one mapping.

Condition 2) A character already if it's been mapped by another character, then another character cannot choose to be mapped by it.

$x \rightarrow y$ [x is mapped y].

$p \rightarrow y$ [this cannot happen, since y is already taken].

$\begin{bmatrix} x \rightarrow y \\ x \rightarrow p \end{bmatrix}$ (this also cannot happen)

I was overcomplicating the process, ~~what~~ for any character $s[i]$ just try to find what is the corresponding $t[i]$ and map it, if not already mapped previously.

You can keep a hashmap to store mappings and check at each stage if condition is broken

Example (^segg, ^tadd)

(S to T mapping)		(T to S mapping)	
$i=0$	$e \rightarrow a$		$a \rightarrow e$
$i=1$	$g \rightarrow d$		$d \rightarrow g$
$i=2$	$g \rightarrow d$		$d \rightarrow g$

~~g → d~~

If fine, no one breaks any law.

Example (^sfoo, ^tbar)

(S to T mapping)		(T to S mapping)	
$i=0$	$f \rightarrow b$		$b \rightarrow f$
$i=1$	$o \rightarrow a$		$a \rightarrow o$
$i=2$	$\times \quad o \rightarrow r$ (Fails as o.getMapping has a value)		$r \rightarrow o$

let's exchange the strings to show you which test case you might miss.

[foo → t, bar → s]

(S to T mapping)

i=0

b → f ✓

i=1

a → o ✓

i=2

✓ r → o → here we will

(check

if mappings contains
key(r))

↓
No, self, no

(T to S) mapping

f → b ✓

o → a ✓

X o → r

⇓

But in this part

mappings contains key(r)

⇓

this is not true.
Hence rejected.