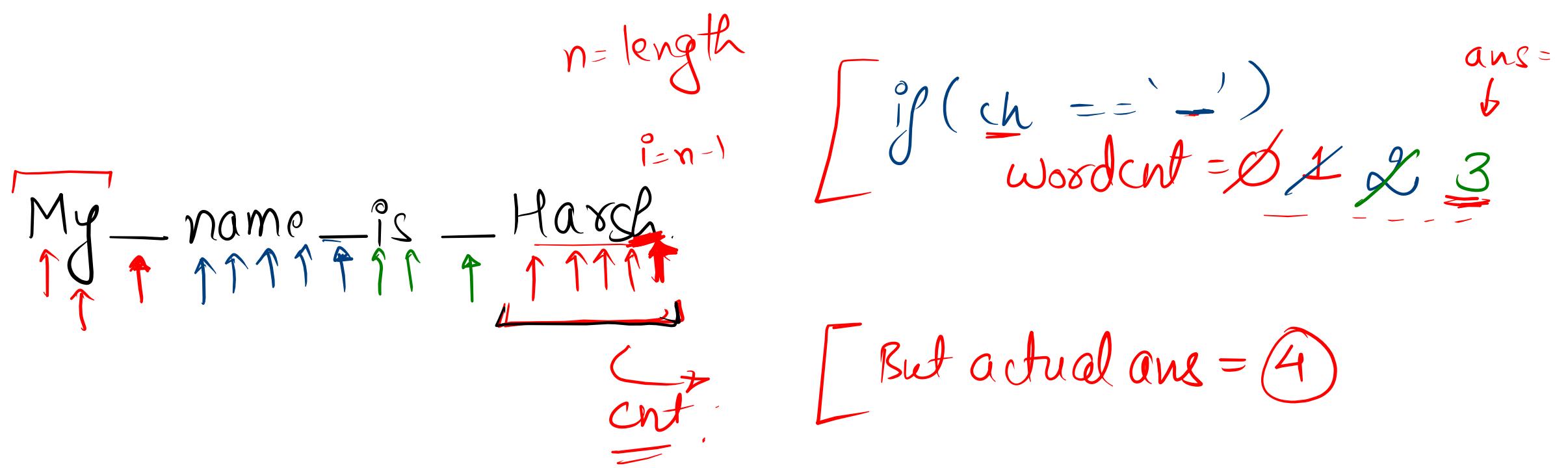


STRING - 02

① Count words in string.

if (ch == '-')
 && parenchar != '-')

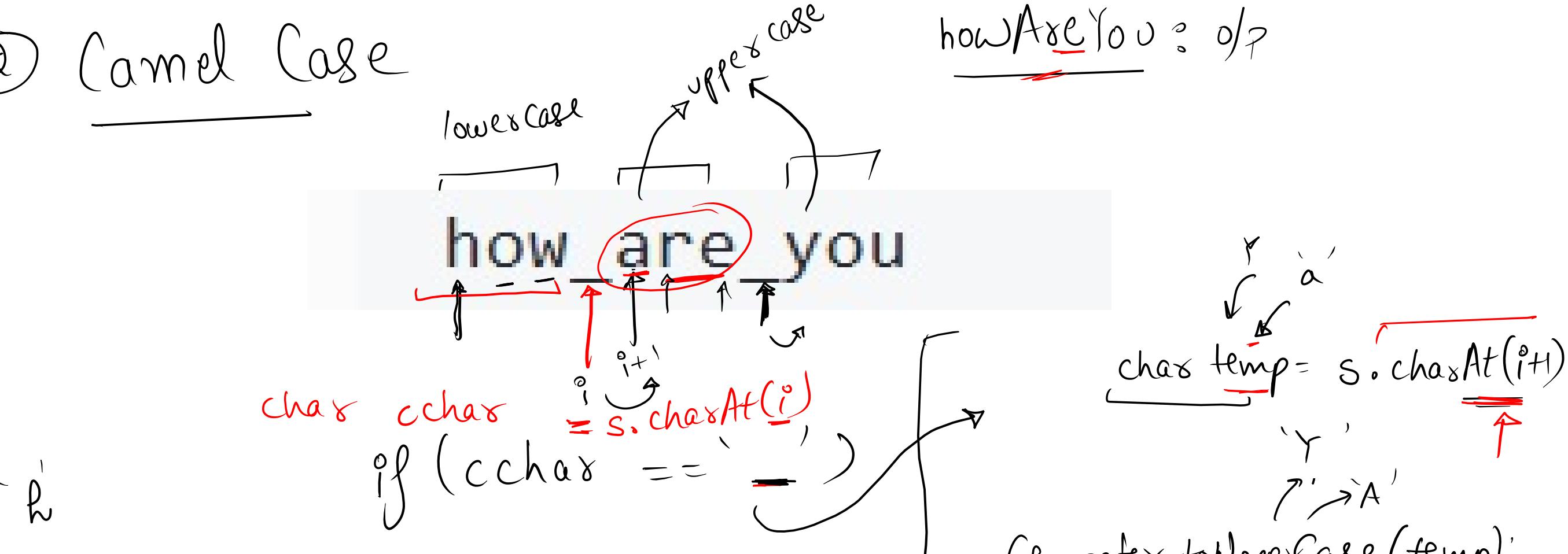


ω_1 — ω_2 \downarrow

$\boxed{\text{if } (i == n - 1 \text{ & } s.\text{charAt}(i) == ' ')}$
 $\quad \quad \quad \text{wordcnt} = 3$

if (cch == '-' || pch[0] == '-') wordcnt++;

② Camel Case



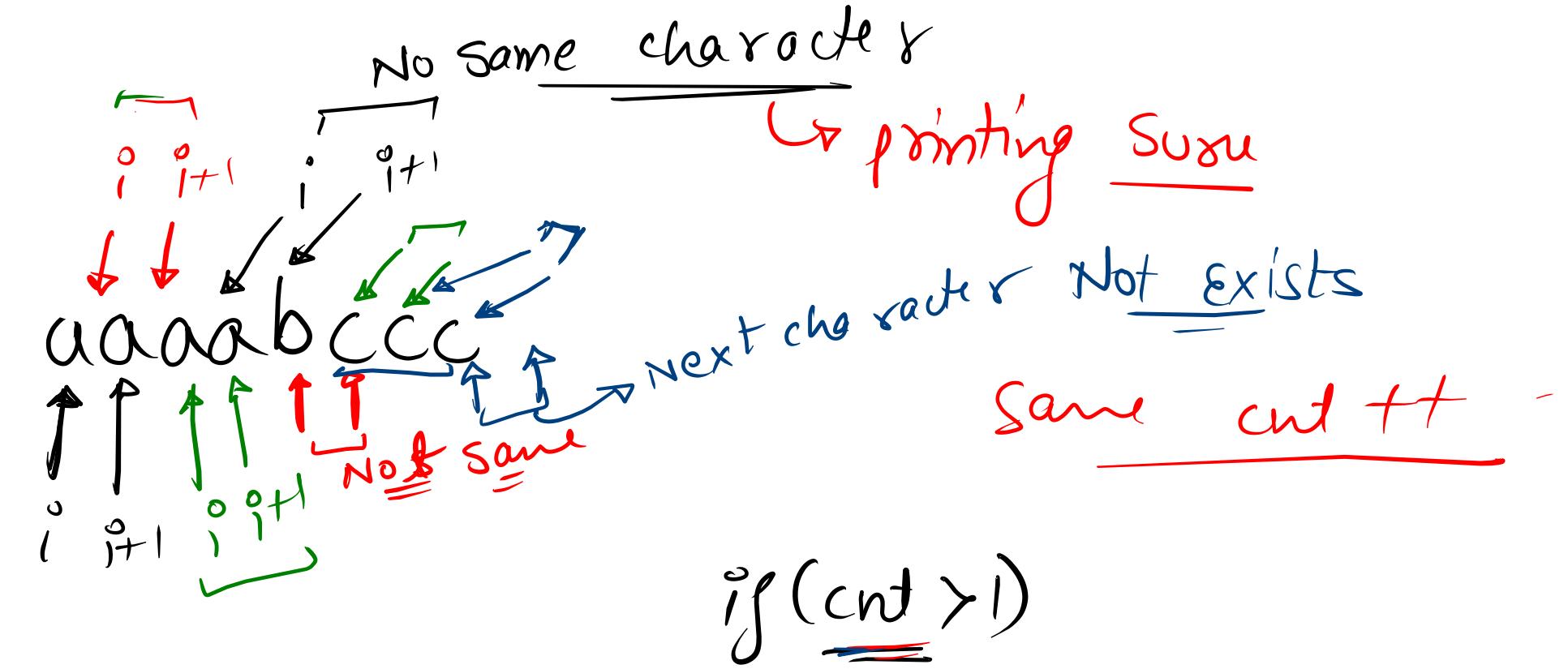
cchar	temp
'o'	f → point
'w'	f
'-'	T → <u>A</u> → point
'r'	f → point
'e'	f
' '	T → Y → point
'o'	f, f → point

→ : howAreYou

Pointing answer

③ Compressed String

int cnt = 1



a - ~~1 2 3 4~~ → a⁴

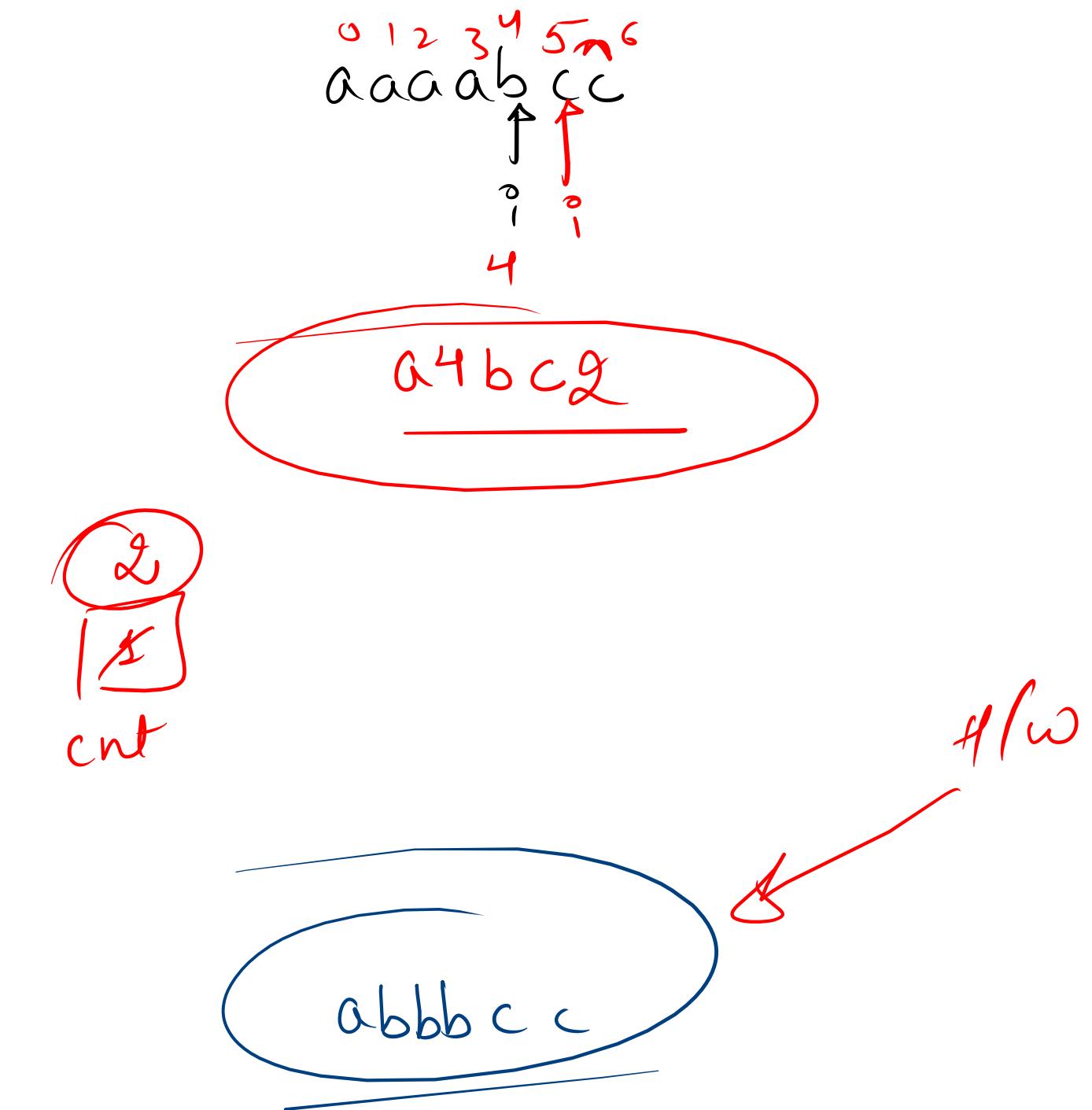
b - 1 → b.

c - ~~1 2 3~~ → c³

a⁴ b c³

```

5 static void compressedString(String s) {
6     // write your code here
7
8     int n = s.length(); → f
9
10    for(int i = 0 ; i<n ; i++) { → false
11        char ch = s.charAt(i); → c
12        int count = 1 ;
13        //aaab → 6x < 7 → false
14        while(i+1 < n && ch == s.charAt(i+1)){ → c
15            count++;
16            i++; → 6
17        }
18        System.out.print(ch);
19        if(count>1){ → 27 → true
20            System.out.print(count);
21        }
22    }
23
24 }
```



STRING - 02

① Autori

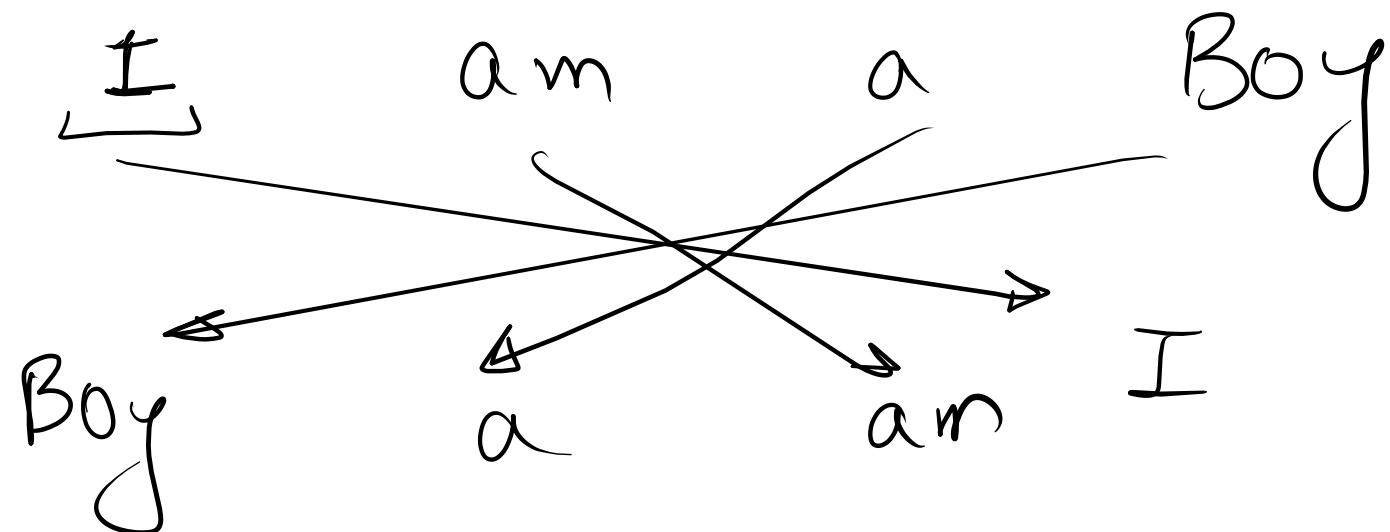
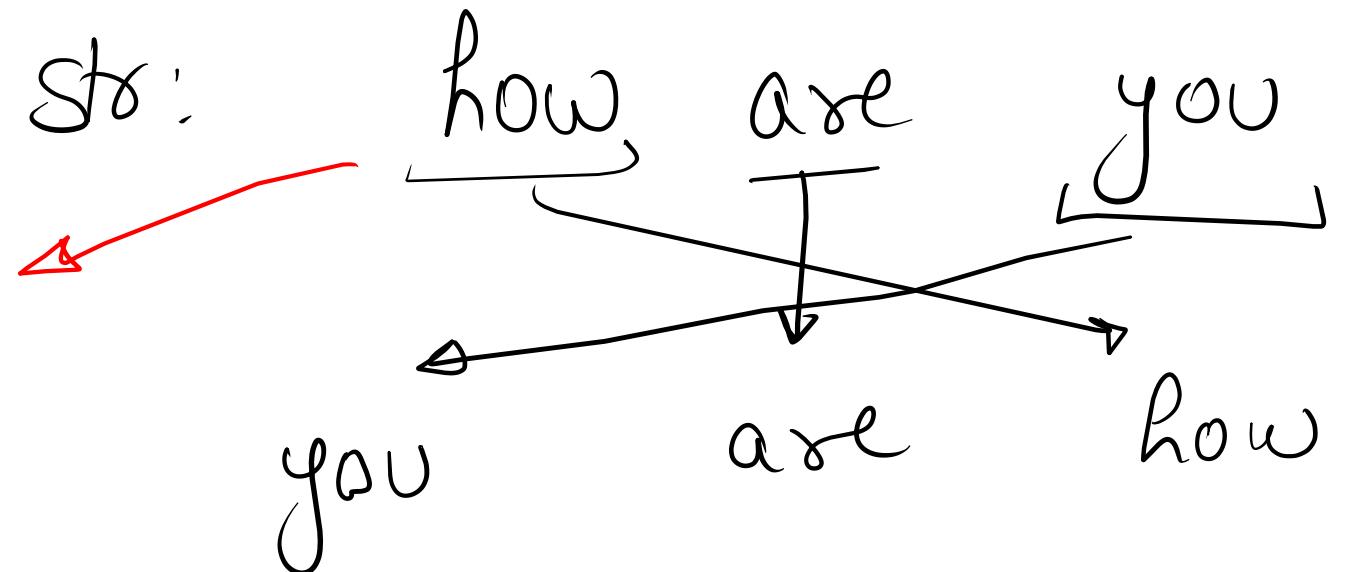
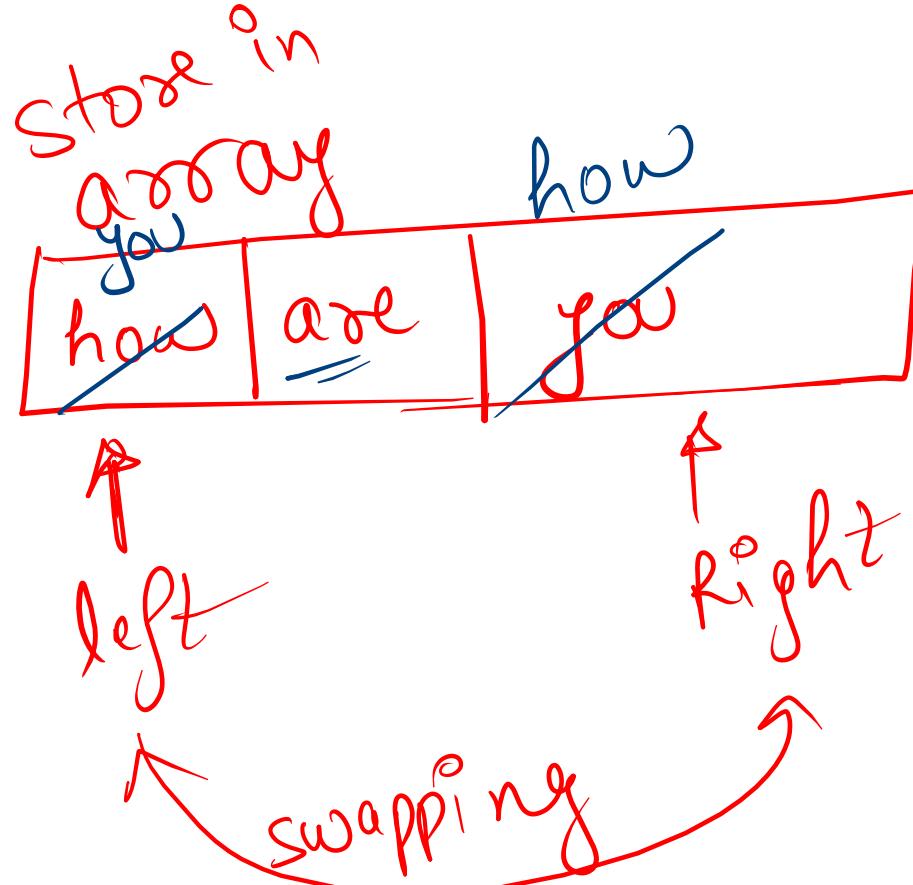
- Yash ~~f~~ Deep \rightarrow YD
= =
- Rahul - Dongre \rightarrow RD

(D)

(RD)

②

Reverse String



how are you

ans = " "



how | are | you

i = 0



i = 1

ans = ans + str[i]



```

public static String reverseWords(String s)
{
    String[] str = s.split(" ");
    int n = str.length;
    String ans = "";
    for(int i = n-1 ; i>=0 ; i--) {
        ans = ans + str[i] + " "; always adding spaces
    }
    return ans.substring(0,s.length());
}

```

*So to remove it
 we uses substring
 method.*

how are you \rightarrow *size = 11*
 Str | how | are | you \rightarrow *size = 3*
SubString
 | ans = you - are - how -
remove
return ans.substring(0,n)

③ Ptice

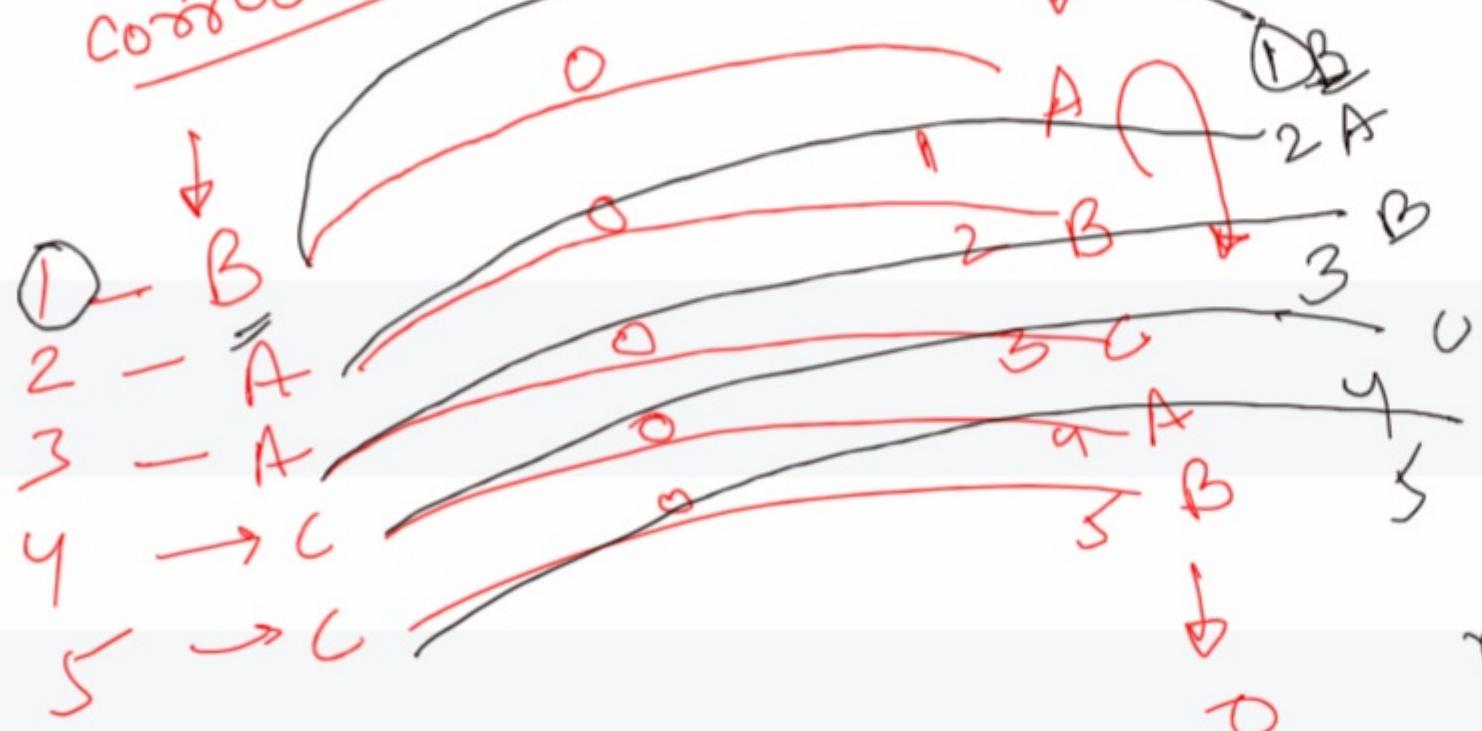
Ans Hint ? Help

dices separated by space.

repeat repeat repeat
ABC BABC CAAABBB
A B G

m, the largest number of correct answers one of the three boys gets.

names of the boys (in alphabetical order) whose sequences result in m correct answers.



$$mG^{-1}$$

$$mG^{-1} \times 3$$

Aptitude

1.

a

Rahul

YD

Ankit

D/P

2.

a

a

a

b

3.

b

b

a

a

4.

c

a

c

a

Correct ans

=

$mR = \cancel{Q} \cancel{L} \cancel{2}$

↑

$mY = \cancel{S} \cancel{L} \cancel{2} \cancel{3}$

↑

$mA = \cancel{O}$

① maxans = (2, 3, 0)

point = 3

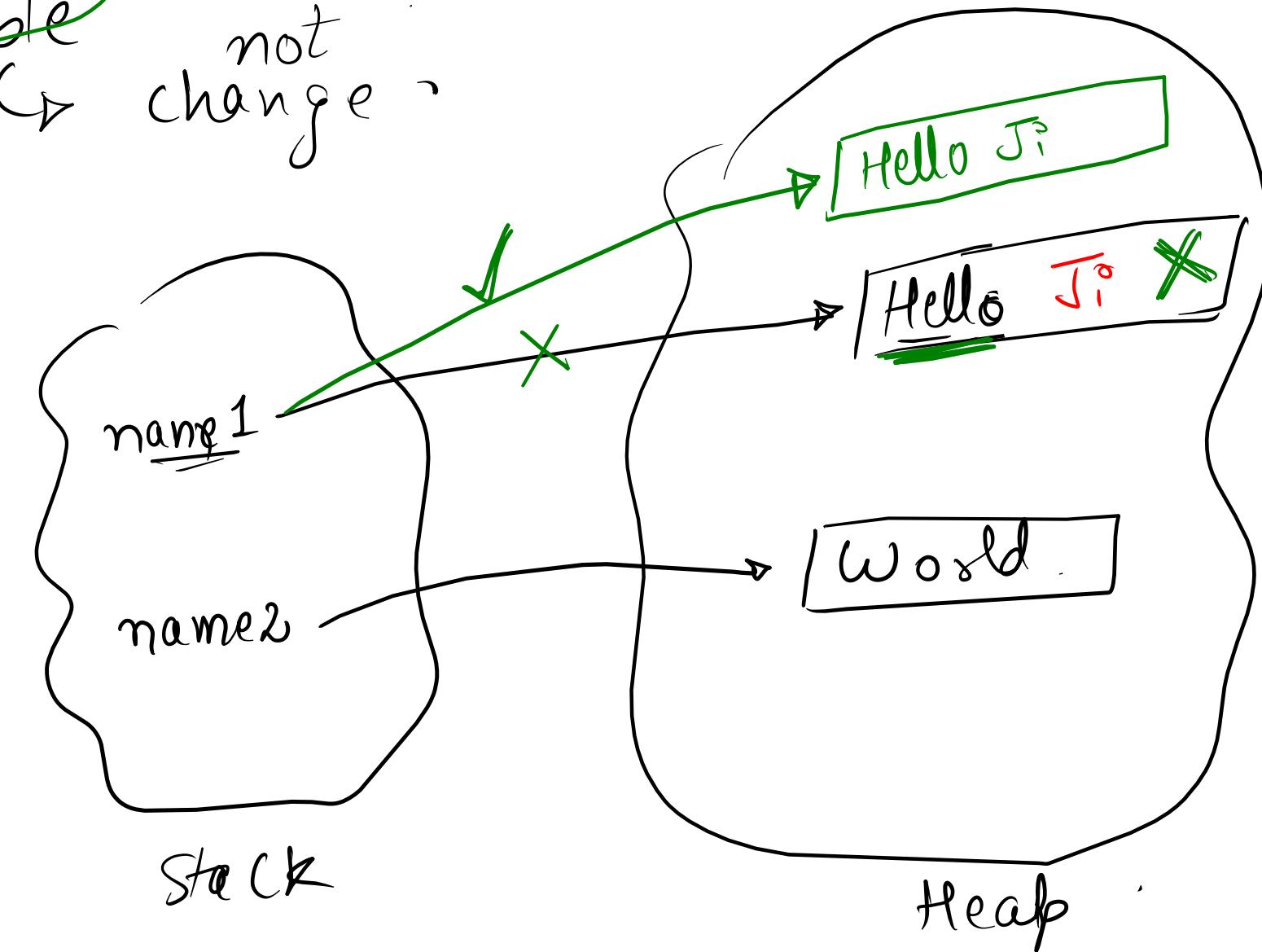
② YD

① String

→ String in Java is immutable → not change
→ efficiency ↓↓

```
String name1 = "Hello";  
String name2 = "World";  
name1 = name1 + " Ji";  
=====
```

→ new object created and the reference variable is pointing new memory address



② StringBuilder

→ Mutable ✓

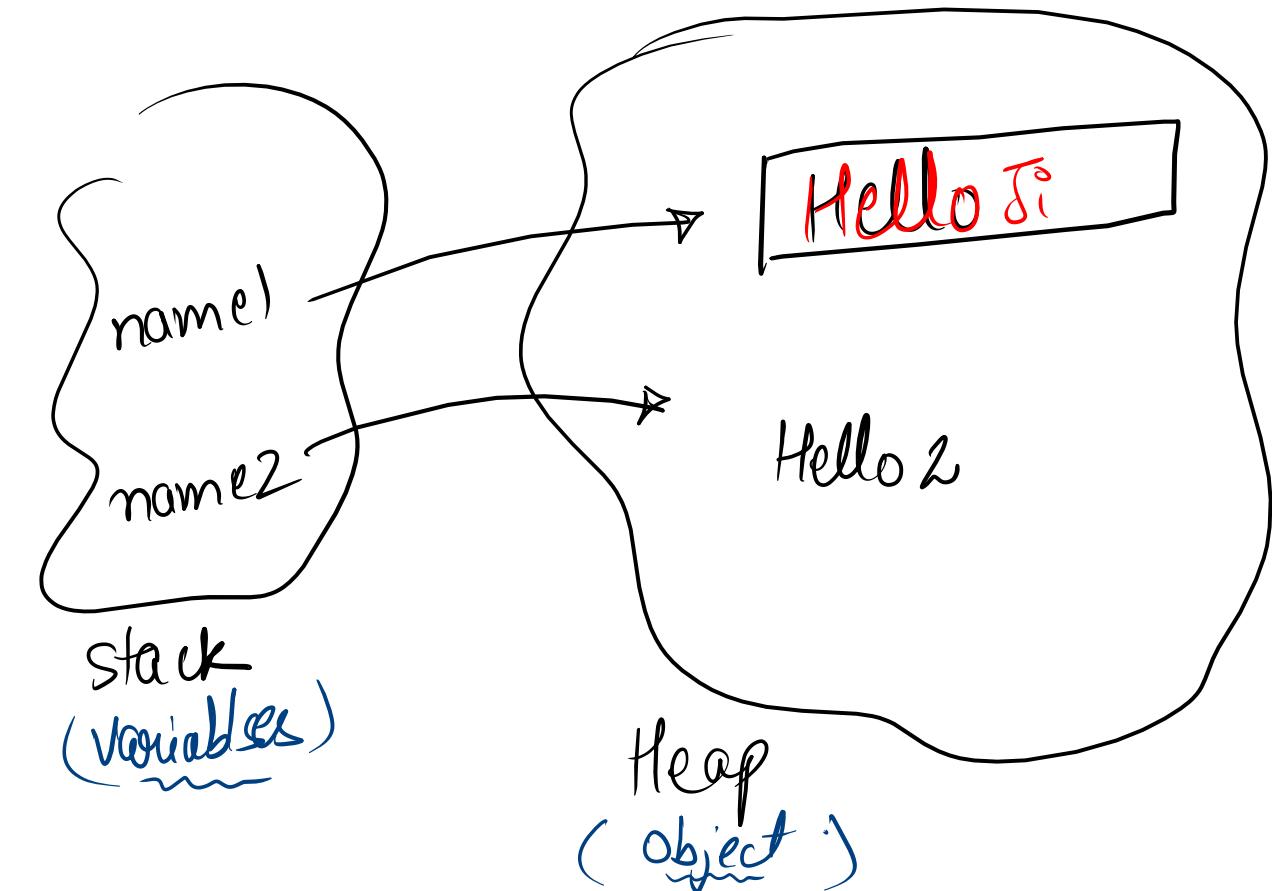
→ Efficiency high ✓

```
StringBuilder name1 = "Hello";  
StringBuilder name2 = "Hello2";  
name1 = name1 + " Ji";
```

change done
at the
same memory
address

String name = new String("Hello");

StringBuilder name2 = new StringBuilder("Hello1")



Method

StringBuilder name = "Subhas";

- name.length()
- // name.append('z') → Subhasz // adding at last idx.
- name.insert('M') → Msuhas // adding at 0th idx.
 - name.trim();
 - name.charAt(i);
 - name.set(0, 'B'); → Bankay
 - name.set(idx, 'B');

"Pankaj"
starting whitespaces
ending whitespaces

Trim

→ name.delete(0, 1) → n⁰kaj¹²³

→ name.setcharAt(idx, 'A')
↓
| → nAkaj

~~n~~⁰akaj¹²³

① Ultra Mathematician

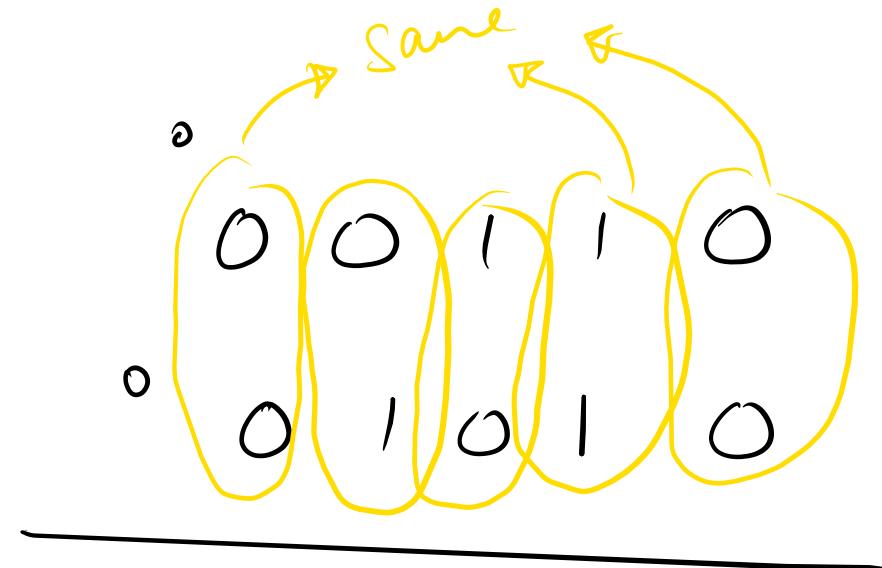
if $o_1 \neq o_2$ { diff

ans \leftarrow 1

else $o_1 = o_2$ { same

ans \leftarrow 0

a
b



Cans

0 11 0 0

[
if (a.charAt(i) == b.charAt(i)) c.append('0')
else c.append('1');

② ASCII string

task → difference of consecutive character

Input

↓↓
abec
↑↑d

Output

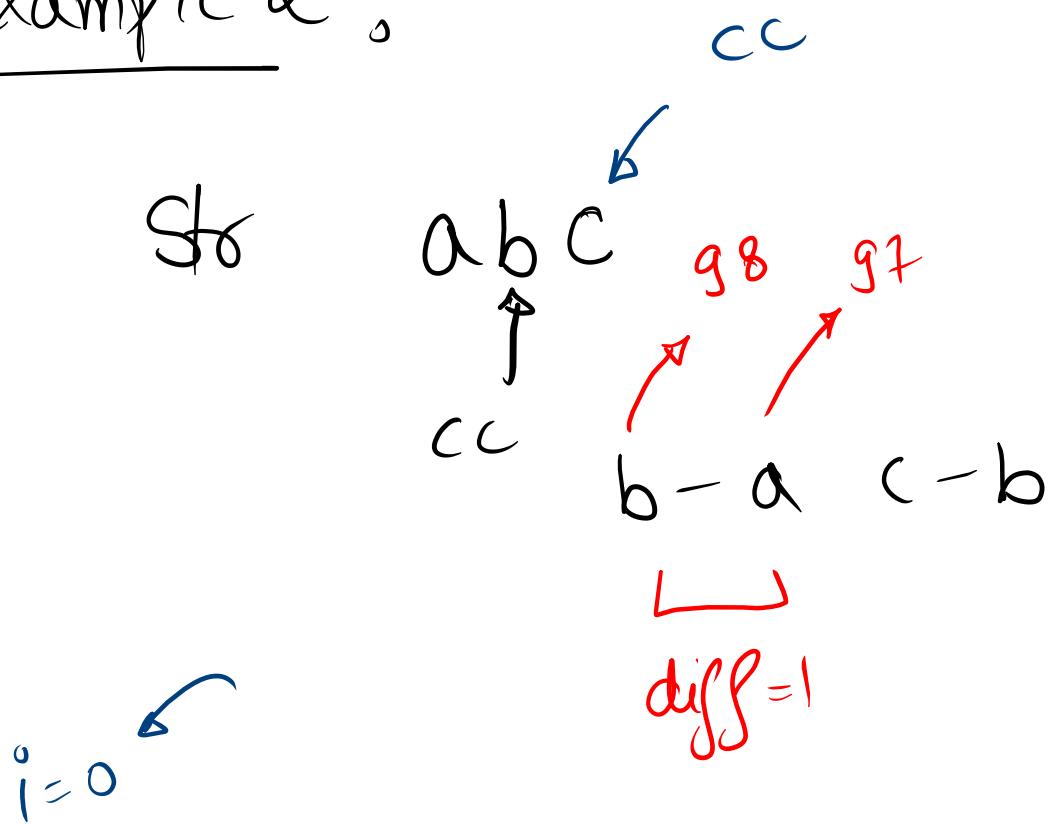
a1b3e-2c1d

█		
b - a	→ 1	a1b
c - b	→ 3	b3e
c - c	→ -2	e -2c
d - c	→ 1	c1d

point

a1b3e-2c1d

Example 2 :



$$\text{diff} = \begin{matrix} b - a \\ cc \end{matrix} \Rightarrow 1$$

$$\text{diff.} \quad \begin{matrix} c - b \\ cc \end{matrix} \Rightarrow 1$$

$$i = 1 \quad \text{ans} = a1b$$

$$i = 2 \quad = \underline{a1b1c}$$

step1: diff find .

step2: ans.append(diff)

step3: ans.append(cc);