

⑥ First Non-Repeating Letter in a stream of characters.

dry run F.N.R.

Ex: aabccxb ← (input)

a a { output, we want }
 aa -1 a -1 b b b b x }
 aab b
 aabc b
 aabcc b
 aabccx b
 aabccxb x

• # given characters are in lower case.

Approach

map/count

→ arr

freq (count)[26] =

0	1	2	-	-	1	0	0
a	b	c			x	y	z

2 2 2 1
 a b c x

front

rear

a	a	b	c	x	b
---	---	---	---	---	---

printing

- ① "a" → a
- ② "aa" → -1
- ③ "aab" → b
- ④ "aabc" → b
- ⑤ "aabcc" → b
- ⑥ "aabccx" → b
- ⑦ "aabccxb" →

Logical question

Approach

① `freq[] = [26]` ('a' - 'z')

② `Queue <character>`

③ `for (int i = 0; i < str.length(); i++)`

`ch = str.charAt(i)`

`q.add(ch)`

`freq[ch]++`

`q.remove()` — (~~while~~ tell if find my non-repeating letter)

`if (q.isEmpty()) — -1`

}

`freq[q.peek()] = 1`