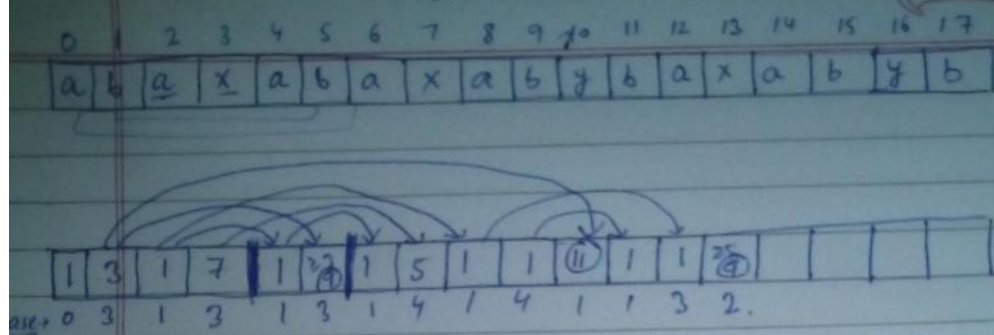


→ For odd length string



① → new center

↓ After this we have to find new center

Cases:-

- ① Min length of largest Palindromic substring
- ② Right side palindrome totally Contained under Current Palindrome. In this Case, don't consider this as center.
- ③ Current Palindrome is proper suffix of input (Current palindrome expand till the end of string). Terminate loop in this Case. No better palindrome will be found on right.
- ④ Right side palindrome is proper suffix & its corresponding left side palindrome is proper prefix of current palindrome. make largest such point as next center.
- ⑤ Right Side palindrome is proper ^{suffix} ~~prefix~~ of & its corresponding left side palindrome is beyond current Palindrome. Don't consider this as center it will not extend at all.

For generalization (OR) To handle even length string
append '\$'

abcd → \$a\$b\$c\$d\$

Take as new input.