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Code-

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class Solution {
public:

    string nearestPalindromic(string n) {
        if(n.length()==1) return to_string(stoi(n)-1); //Special case for single digit
        numbers

        int digits=n.length();
        vector<long>candidates;
        candidates.push_back(pow(10,digits-1)-1); //Case 1
        candidates.push_back(pow(10,digits)+1); //Case 2

        int mid=(digits+1)/2;
        long prefix=stol(n.substr(0,mid));
        //Case 3
        vector<long>v={prefix,prefix+1,prefix-1};
        for(long i:v)
        {
            string postfix=to_string(i);
            if(digits%2!=0) postfix.pop_back(); // If the total length is odd number,
            pop the middle number in postfix
            reverse(postfix.begin(),postfix.end());
            string c=to_string(i)+postfix;
            candidates.push_back(stol(c));
        }
        long mindiff=LONG_MAX; long result; long num=stol(n);
        for(int i=0;i<5;i++)
        {
            if(candidates[i]!=num&&abs(candidates[i]-num)<mindiff) //Candidate must not
            be the same number and abs diff is minm
            {
                mindiff=abs(candidates[i]-num);
                result=candidates[i];
            }
            else if(abs(candidates[i]-num)==mindiff) result=min(result,candidates[i]);
        }
        return to_string(result);
    }
};
```

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Time Complexity -O(N)

Space complexity- O(n)

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