The event of zero and one ACM Template



目录

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1 String

1.1 Manacher

```
5e04
                                                                                                        if (i<=p) {
                                                                                     24a1
                                                                                                            lc[i]=min(lc[2*k-i],p-i+1);
      #include<bits/stdc++.h>
302f
                                                                                                        }else{ lc[i]=1; }
                                                                                     87d6
      using namespace std;
421c
                                                                                     aa80
                                                                                                        while (ch[i+lc[i]]==ch[i-lc[i]])lc[i]++;
      const int MAX = 2e5+10000;
571f
                                                                                     2b9a
                                                                                                        if (i+lc[i]>k+lc[k])k=i;
      char s[MAX];
99d0
                                                                                     95cf
      struct Manacher{
81d4
                                                                                     95cf
          int lc[MAX];
9ccd
                                                                                     56dd
                                                                                               void debug() {
          char ch[MAX];
04f3
                                                                                                    puts(ch);
                                                                                     b492
d7af
          int N;
                                                                                                    for (int i=1;i<=N;i++) {</pre>
                                                                                     cd0f
          Manacher(char *s) {init(s); manacher();}
053c
                                                                                                        printf("lc[%d]=%d\n",i,lc[i]);
                                                                                     0d62
44ca
          /* s 1 bas */
                                                                                     95cf
          void init(char *s) {
e798
                                                                                     95cf
0de8
              int n = strlen(s+1);
                                                                                     329b
                                                                                            };
              ch[n*2 +1] = '#';
ad19
                                                                                     3117
                                                                                           int main() {
              ch[0] = '@';
ce0d
                                                                                                scanf("%s",s+1);
                                                                                     a275
              ch[n*2 +2] = ' \0';
46cd
                                                                                               Manacher manacher(s);
                                                                                     382e
0c3f
              for (int i=n; i>=1; i---) {
                                                                                               manacher.debug();
                                                                                     9c07
                  ch[i*2] = s[i]; ch[i*2 -1] = '#';
6beb
                                                                                     7021
                                                                                                return 0;
95cf
              }
                                                                                     95cf
              N = 2* n +1;
5991
95cf
6c5f
          void manacher() {
```

a461

256b

7957

lc[1]=1; int k=1;

for (int i=2;i<=N;i++) {</pre>

int p = k+lc[k]-1;