

//Trie总模板

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#include <iostream>
#include <cstring>
#include <cmath>
#include <queue>
#include <algorithm>
using namespace std;
const int N=3e5+5;
const int sigma_size=26;
const int maxnode=4e5+1;
const int MOD=20071027;
struct Trie{
    int ch[maxnode][sigma_size];
    int val[maxnode];
    int sz;
    int idx(char c) {
        return c-'a';
    }

    void insert(char *s,int v){
        int u=0,n=strlen(s);
        for (int i=0;i<n;i++){
            int c=idx(s[i]);
            if (!ch[u][c]){
                memset(ch[sz],0,sizeof(ch[sz]));
                val[sz]=0;
                ch[u][c]=sz++;
            }
            u=ch[u][c];
        }
        val[u]=v;
    }
    int find(int k,int len){
        int ans=0,u=0;
        for (int i=k;i<len;i++){
            char c=idx(str[i]);
            if (!ch[u][c]) break;
            if ( val[ ch[u][c] ] ) ans=(ans+d[i+1])%MOD;
            u=ch[u][c];
        }
        return ans;
    }
};

int main(){
    // freopen("datain.txt","r",stdin);
    int cas=0;
    while(~scanf("%s",str)){
        printf("Case %d: ",++cas);
        solve();
    }
}
```