```cpp
    /**
 * H:\Dropbox\Code\SPOJ\20150221\IM21F.cpp
 * Created on: 2015-02-21-23.45.35, Saturday
 * Verdict: Solved
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 **/

#include <bits/stdc++.h>
#define _ ios_base::sync_with_stdio(0);cin.tie(0);

#define sz 200005
#define pb(a) push_back(a)
#define pp pop_back()
#define all(a) a.begin(),a.end()
#define ll long long
#define cntbit(mask) __builtin_popcount(mask)
#define unify(a) stable_sort(a.begin(),a.end());a.resize(distance(a.begin(),unique(all(a))));
#define fread freopen("input.txt","r",stdin)
#define fwrite freopen("output.txt","w",stdout)
#define inf (1e18)
#define chng(a,b) a^=b^=a^=b;
#define clr(abc,z) memset(abc,z,sizeof(abc))
#define PI acos(-1)
#define pi 3.14159265358979323846264338327950288419716939937510
#define fr(i,a,b) for(i=a;i<=b;i++)
#define print1(a)    cout<<a<<endl
#define print2(a,b) cout<<a<<" "<<b<<endl
#define print3(a,b,c) cout<<a<<" "<<b<<" "<<c<<endl
#define mod 1000000007LL
ll bigmod(ll sonkha,ll ghat,ll vag_const){ll vag_shesh=1;while(ghat>0){if(ghat%2==1){vag_shesh=(vag_shesh*sonkha)%vag_const;}ghat/=2;sonkha=(sonkha*sonkha)%vag_const;}return vag_shesh;}
ll inverse_mod(ll bivajok, ll vag_const){return bigmod(bivajok,vag_const-2,vag_const);}

using namespace std;
char line[105];
int n;
pair<ll,ll> dp[105][11][2];

pair<ll,ll>  rec(int pos, int pre, bool flag)
{
    if(pos==n) return make_pair(0,1);
    pair<ll,ll> &ret = dp[pos][pre][flag];
    if(ret.first!=-1) return ret;

    ret = make_pair(0,0);

    int en = (flag?line[pos]:'9')-'0';
    pair<ll,ll> temp;
    for (int i = 0; i<=en; i++)
    {
        temp = rec(pos+1,i,flag&&i==en);
        ret.first+=temp.first;
        ret.first%=mod;
        ret.second+=temp.second;
        ret.second%=mod;
        if(i==1&&pre==2) ret.first+=temp.second;
        ret.first%=mod;
    }
    return ret;
}
```

```
int main()
{
#ifdef ENAM
//      fread;
//  fwrite;
#endif // ENAM
    int t, m, cas=1;
//    clock_t begin, end;
//    double time_spent;
//    begin = clock();
    ll ans;
    scanf("%d", &t);

    while(t--)
    {
        scanf("%s", line);
        n = strlen(line);
        for (int i = n-1; i>=0; i--)
        {
            if(line[i] == '0') line[i] = '9';
            else
            {
                line[i]--;
                break;
            }
        }
        clr(dp,-1);
        ans  = rec(0,0,1).first;
//        cout<<line<<"LLLLLL\n";
        clr(dp,-1);
        scanf("%s", line);
        n = strlen(line);
        ans=rec(0,0,1).first-ans;
//        cout<<ans<<"LLLLLL\n";
        ans%=mod;
        printf("%lld\n", (ans+mod)%mod);

    }


//    end = clock();
//    time_spent = (double)(end - begin) / CLOCKS_PER_SEC;
//    cerr<<"Time spent = "<<time_spent<<endl;

   return 0;
}
```