```cpp
1   #include<bits/stdc++.h>
2   using namespace std;
3   #define LL long long
4   #define PLL pair<LL,LL>
5   const LL MOD = 998244353ll;
6   PLL dp[1<<10][20][2][2];
7   LL power[20];
8   int k,sz;
9   char s[20];
10
11  PLL fun(int mask, int pos, int choto, int suru){
12      if(pos==sz){
13          int bit = __builtin_popcount(mask);
14          if(bit<=k && suru) return make_pair(0,1);
15          return make_pair(0,0);
16      }
17      PLL &ret = dp[mask][pos][choto][suru];
18      if(ret.first != -1)return ret;
19      ret = make_pair(0,0);
20      int lo = 0, hi = 9;
21      if(choto==0) hi = s[pos]-'0';
22      for(int i=lo; i<=hi; i++){
23          int Nmask = mask;
24          if(suru || i>0) Nmask = (Nmask|(1<<i));
25          PLL temp = fun(Nmask, pos+1, choto|(i<hi), suru|(i>0));
26          ret.first  += temp.first;
27          ret.first  += (((i*power[pos])%MOD) * (temp.second%MOD))%MOD;
28          ret.first  %= MOD;
29          ret.second += temp.second;
30          ret.second %= MOD;
31      }
32      return ret;
33  }
34  LL solve(LL n){
35      if(n==0) return 0LL;
36      sprintf(s,"%lld",n);
37      sz = strlen(s);
38      power[sz-1] = 1LL;
39      for(int i=sz-2; i>=0; i--){
40          power[i] = (power[i+1]*10)%MOD;
41      }
42      memset(dp,-1,sizeof(dp));
43      PLL res = fun(0,0,0,0);
44      return res.first;
45  }
46  int main(){
47      LL l,r; scanf("%lld %lld %d",&l,&r,&k);
48      LL ans = solve(r) - solve(l-1);
49      ans %= MOD; ans += MOD; ans %= MOD;
50      printf("%lld\n",ans);
51      return 0;
52  }
```