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///  
//Popa Sebastian  
  
#include <bits/stdc++.h>  
  
using namespace std;  
  
ifstream fcin("input.txt");  
ofstream fcout("output.txt");  
  
int main()  
{  
    ios_base::sync_with_stdio(0), fcin.tie(NULL);  
    for (int test = 1; test <= 5; test++)  
    {  
        string s;  
        int p;  
        fcin >> s >> p;  
        int cif = s[s.size() - p] - '0';  
        for (int i = s.size() - 1, t = 1; i >= 0; i--, t++)  
            if (t < p)  
                s[i] = char('0' + max(cif, s[i] - '0') - min(cif, s[i] - '0'));  
            else if (t > p)  
                s[i] = char('0' + (cif + s[i] - '0') % 10);  
        fcout << s << "\n";  
    }  
    return 0;  
}
```