**Problem 1.**

#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

using namespace std;

string maxNum(string n,int m){

sort(n.begin(),n.end());

for(int i=0; i < n.size();i++){

for (int j = i + 1; j < n.size(); j++) {

string t = n;

swap(t[j], t[i]);

sort(t.begin() + i + 1, t.end());

if (stoll(t) > stoll(n) && stoll(t) <= m)

swap(n[i], n[j]);

}

}

return n;

}

int main() {

/\* Enter your code here. Read input from STDIN. Print output to STDOUT \*/

string n;

int m;

cin>>n;

cin>>m;

cout<<maxNum(n,m);

return 0;

}