#include<iostream>

#include<string>

#include<algorithm>

#include<queue>

#include<vector>

#include<sstream>

using namespace std;

string mult\_imaitation(string num)

{

int former = 0;

string num2;

num2.resize(num.size() + 1);

num2[0] = '0';

for (int i = num.size() - 1; i >= 0; i--)

{

int temp = num[i] - '0';

temp \*= 2;

int j = i + 1;

if (temp > 9)

{

num2[j] = temp - 10 + former + '0';

former = 1;

}

else

{

num2[j] = temp + former + '0';

former = 0;

}

}

if (former == 1)

num2[0] = '1';

return num2;

}

int check(string num1, string num2) {

if (num2[0] == '1')

return 0;

num2.erase(num2.begin());

int num1\_check[10] = { 0 }, num2\_check[10] = {0};

for (int i = 0; i < num1.length(); i++)

num1\_check[num1[i] - '0']++;

for (int i = 0; i < num2.length();i++)

num2\_check[num2[i] - '0']++;

for (int i = 0; i < 10; i++)

if (num1\_check[i] != num2\_check[i])

return 0;

return 1;

}

int main()

{

string num1;

cin >> num1;

string num2 = mult\_imaitation(num1);

if (check(num1, num2))

{

if(num2[0]=='0')

num2.erase(num2.begin());

cout << "Yes" << endl << num2;

}

else

{

if (num2[0] == '0')

num2.erase(num2.begin());

cout << "No" << endl << num2;

}

}