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//STEMnArts
//Jeremy Tsai

#include <iomanip>
#include <iostream>
#include <cmath>
using namespace std;

long long int countDigit(long long int n)
{
    int count = 0;
    while (n != 0) {
        n = n / 10;
        ++count;
    }
    return count;
} //count the number of input N

int main(){

    long long int n, p, d;

    cout << "enter a num : "; // Asks to enter number N
    cin >> n;
    cout << " N :" << n << endl;

    cout << "enter a num : "; // Asks for the number second line
    cin >> p;
    cout << " P :" << p << endl;

    cout << "enter a num : "; // Asks for the number second line
    cin >> d;
    cout << " d :" << d << endl;

    int countN=countDigit(n);
    long long int tempN=n;

    int pValue[countN]={}; //a int array for the value of each digit

    for (int i=0;i<countN;i++)//store the value in array
    {
        pValue[i]=tempN%10;
        tempN=tempN/10;
        //cout<<pValue[i]<<endl;
    }

    long long int newValue=0;

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if(pValue[p-1]>=0 and pValue[p-1]<=5)
{
    pValue[p-1]=(pValue[p-1]+d)%10;

    for (int i=0;i<(p-1);i++)
        pValue[i]=0;

    for (int i=(countN-1);i>=0;i--)
    {
        newValue=newValue*10+pValue[i];
    }
}
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}
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if(pValue[p-1]>=5 and pValue[p-1]<=9)
{
    int newD=abs(pValue[p-1]-d);

    while(newD>10)
        newD=newD/10;

    pValue[p-1]=newD;

    for (int i=0;i<(p-1);i++)
        pValue[i]=0;

    for (int i=(countN-1);i>=0;i--)
    {
        newValue=newValue*10+pValue[i];
        //cout<<newValue<<endl;
        //pValue[i]=0;
    }
}
cout<<newValue<<endl;
```

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return 0;
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}
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