

```
/*NAME:ZOTA ANA-MARIA
```

```
GRADE:11
```

```
DIVISION:INT5
```

```
SCHOOL:GRIGORE MOISIL NCSC BRASOV
```

```
*/
```

```
#include <iostream>
```

```
#include <fstream>
```

```
#include <cmath>
```

```
using namespace std;
```

```
ifstream fin("number.in");
```

```
long long n,a[100000000],b[100000000],p,c,nr,poz,v;
```

```
void transformare()
```

```
{
```

```
    c=1;
```

```
    while(n)
```

```
    {
```

```
        b[c]=n%10;
```

```
        c++;
```

```
        n/=10;
```

```
    }
```

```
    c--;
```

```
    nr=1;
```

```
    for(int i=c;i>=1;i--)
```

```
    {
```

```
        a[nr]=b[i];
```

```
        nr++;
```

```
    }
```

```
    nr--;
```

```
}
```

```
void solve()
{
    int contor=0;
    for(int i=nr;i>=1;i--)
    {
        contor++;
        if(contor==p)
        {
            poz=i;
            v=a[i];
            break;
        }
    }

}

void stanga()
{
    for(int i=poz-1;i>=1;i--)
    { long long s=a[i]+v;
        if(s>9)
        {
            a[i]=s%10;
        }
        else
        {
            a[i]=s;
        }
    }
}
```

```
void dreapta()
{
    for(int i=poz+1;i<=nr;i++)
    {
        long long d=a[i]-v;
        a[i]=abs(d);
    }
}

int main()
{

    for(int acsl=0;acsl<5;acsl++)
    {
        fin>>n>>p;
        transformare();
        solve();
        stanga();
        dreapta();
        for(int i=1;i<=nr;i++)
            cout<<a[i];
        cout<<"\n";
    }
    return 0;
}
```