numere.out

```
23 207751
```

numar.in

```
7894561
```

*main.cpp

```cpp
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    long n,c;
    int s;
    ifstream f("numar.in");
    ofstream g("numere.out");
    f>>n;
    f.close();
    s=0;c=n;
    while(c!=0)
    {
        s=s+(c%10);
        c=c/10;
    }
    g<<n%s<<' '<<n/s;
    g.close();
    return 0;
}
```

Tema 2

numere.out

```
8 1
```

numar.in

```
245863
```

main.cpp

```cpp
using namespace std;
int main()
{
    long n,c;
    int cmax,nr;
    ifstream f("numar.in");
    ofstream g("numere.out");
    f>>n;
    f.close();
    cmax=0;c=n;
    while(c!=0)
    {
        if(c%10>cmax)
            cmax=c%10;
        c=c/10;
    }
    nr=0;c=n;
    while(c!=0)
    {
        if(c%10==cmax)
            nr++;
        c=c/10;
    }
    g<<cmax<<' '<<nr;
    g.close();
    return 0;
}
```

Tema 3

numere.out

```
1 3
```

numar.in

```
4516112
```

main.cpp

```cpp
#include <fstream>
using namespace std;
int main()
{
    long n,c;
    int cmin,nr;
    ifstream f("numar.in");
    ofstream g("numere.out");
    f>>n;
    f.close();
    cmin=10;c=n;
    while(c!=0)
    {
        if(c%10<cmin)
            cmin=c%10;
        c=c/10;
    }
    nr=0;c=n;
    while(c!=0)
    {
        if(c%10==cmin)
            nr++;
        c=c/10;
    }
    g<<cmin<<' '<<nr;
    g.close();
    return 0;
}
```

Tema 4

numere.out

```
1 4
```

numar.in

```
5456955 5
```

main.cpp

```cpp
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    long n,c;
    int cif,nr;
    ifstream f("numar.in");
    ofstream g("numere.out");
    f>>n>>cif;
    f.close();
    nr=0;c=n;
    while(c!=0)
    {
        if(c%10==cif)
            nr++;
        c=c/10;
    }
    g<<nr;
    g.close();
    return 0;
}
```

Tema 5

numere.out

```
DA
```

numar.in

```
1331
```

main.cpp

```cpp
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    long n,c,ogl;
    ifstream f("numar.in");
    ofstream g("numere.out");
    f>>n;
    f.close();
    ogl=0;c=n;
    while(c!=0)
    {
        ogl=ogl*10+(c%10);
        c=c/10;
    }
    if(n==ogl)
        g<<"DA";
    else g<<"NU";
    g.close();
    return 0;
}
```

Tema 6

numere.out

```
54 73
```

numar.in

```
549873
```

main.cpp

```cpp
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    long n,c,ogl;
    ifstream f("numar.in");
    ofstream g("numere.out");
    f>>n;
    f.close();
    c=n;
    while(c>99)
            c=c/10;
    g<<c<<' '<<n%100;
    g.close();
    return 0;
}
```

Tema 7