

#3666**vernrimpdv**

```
#include <iostream>
using namespace std;
int main()
{
    int n = 0, d = 1, contor = 0;
    cin >> n;
    while( d * d < n )
    {
        if( n % d == 0 )
            contor += 2;
        ++d;
    }
    if( d * d == n ) ++contor;
    if( contor % 2 == 1 )
        cout << "da";
    else
        cout << "nu";
    return 0;
}
```

#2745 intrebari

```
#include <iostream>
using namespace std;
int main()
{
    long long n,p,t,x,mini,maxi,scif=0,nrdiv=0,d,suma=0,i;
    cin>>n>>t>>p;
    if(t==1)
    {
        mini= 1000000001;
        for(i=1; i<=p; i++)
        {
            cin>>x;
            if(x<mini) mini=x;
            suma=suma+x;
        }
        while(mini>0) {scif=scif+mini%10; mini=mini/10;}
        for(i=p+1; i<=n; i++) {cin>>x; suma=suma+x; }
        cout<<scif<<endl<<suma;
    }
    else
    {
        maxi=0;
        for(i=1; i<=p; i++)
        {
            cin>>x;
            if(x>maxi)maxi=x;
            suma=suma+x;
        }
        for(d=1;d*d<maxi;d++)
            if(maxi%d==0) nrdiv=nrdiv+2;
        if(d*d==maxi) nrdiv++;
        for(i=p+1; i<=n; i++) { cin>>x; suma=suma+x; }
        cout<<nrdiv<<endl<<suma;
    }
    return 0;
}
```

#373 nprime

```
#include <iostream>
using namespace std;
int main()
{
    int n,s=0, nr=2;
    cin>>n;
    while(s<n)
    {
        bool e=true;
        for(int d=2;d*d<=nr;d++)
            if(nr%d==0)
                e=false;
        if (e==true)
        {
            cout<<nr<<" ";
            s=s+1;
        }
        nr=nr+1;
    }
    return 0;
}
```

#380 aprim1

```
#include <iostream>
using namespace std;

int main(){
    int n, c = 0, x;;
    bool ok;
    cin >> n;
    for( ; n ; --n)
    {
        cin >> x;
        int d=2;
        ok = false;
        while(!ok && d*d<x){
            if(x % d == 0){
                int a = d, b = x / d;
                int prim = true;
                if(a < 2) prim = false;
                if(a > 2 && a % 2 == 0) prim = false;
                for(int k = 3; k * k <= a ; k += 2)
                    if(a % k == 0) prim = false;
                if(prim){
                    prim = true;
                    if(b < 2) prim = false;
                    if(b > 2 && b % 2 == 0) prim = false;
                    for(int k = 3; k * k <= b ; k += 2)
                        if(b % k == 0) prim = false;
                    if( prim ) ok = true;
                }
            }
            if(d==2) d++;
            else d += 2;
        }
        if(ok)
            c++;
    }
    cout << c;
    return 0;
}
```

#404

CifreNrPrime



```
#include <iostream>
using namespace std;
int main ()
{
    int n, v, d, nrcif(0);
    cin >> n;
    bool prim;
    for (int i = 1; i <= n; i++)
    {
        cin >> v;
        d = 2;
        prim = true;
        if (v % d == 0) prim = false;
        else
            for (d = 3; d * d <= v && prim==true; d = d + 2)
                if (v % d == 0)
                    prim = false;
        if (prim == true && v > 1)
            while (v > 0)
            {
                v /= 10;
                nrcif++;
            }
    }
    cout << nrcif;
}
```

#374 nprime1

```
#include <iostream>
using namespace std;
int main()
{
    int n,s=0,nr=2;
    cin>>n;
    while(s<n)
    {
        bool ok=true;
        for(int d=2;d*d<=nr && ok==true;d++)
            if(nr%d==0)
                ok=false;
        if (ok==true)
        {
            if(nr<n)
                cout<<nr<<" ";
            s=s+1;
        }
        nr=nr+1;
    }
    return 0;
}
```