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- Varianta 6:

```
#include <iostream>
```

```
using namespace std;
```

```
int n,a[101],i;
```

```
void sum(int n,int a[101])
```

```
{
```

```
    int k=n,s=0;
```

```
    while(k)
```

```
    {
```

```
        s=0;
```

```
        for(i=1;i<=k;i++)
```

```
            s+=a[i];
```

```
        cout<<s<<endl;
```

```
        k--;
```

```
    }
```

```
}
```

```
int main()
```

```
{
```

```
    cout<<"n=";<<cin>>n;
```

```
    for(i=1;i<=n;i++)
```

```
    {
```

```
        cout<<"a["<<i<<"]="<<
```

```
        cin>>a[i];
```

```
    }
```

```
    cout<<endl;
```

```
    sum(n,a);
```

```
    return 0;
```

```
}
```

- Varianta 7:

```
#include <iostream>
```

```
using namespace std;
```

```
int n,s,c,ok=1;
```

```
int sub(int n)
```

```
{  
    int f1,f2;  
    if(n<=5)  
        return n;  
    else  
    {  
        f1=5;  
        f2=2*f1;  
        while(f2<=n)  
        {  
            f1=f2;  
            f2=2*f1;  
            if(f2==n)  
                return f2;  
        }  
        return f1;  
    }  
}
```

```
int main()
```

```
{  
    cout<<"n=";<<cin>>n;  
    c=n;  
    if(c<6)  
    {  
        cout<<c;  
        ok=0;  
    }  
}
```

```

if(c==sub(c) && ok)
{
    cout<<c;
    ok=0;
}
while(s!=n-n%10 && ok)
{
    if(c==sub(c))
        c/=2;
    c=sub(c);
    s+=c;
    cout<<c<<" ";
}
if(n%10!=0 && ok)
    cout<<n%10;
return 0;
}

```

- Varianta 8:

```
#include <iostream>
```

```
using namespace std;
```

```
int n,m,a[101],b[101],i,j;
```

```
void sub(int n,int m,int a[101],int b[101])
```

```

{
    int p,x=1;
    i=1;
    j=1;
    while(i<=n && j<=m)
    {
        if(a[i]<b[j] && x%2!=0)
        {
            cout<<a[i]<<" ";

```

```

        i++;
        x=a[i];
    }
    else
    {
        cout<<b[j]<<" ";
        j++;
        x=b[j];
    }
}
if(i<=n)
    cout<<a[i]<<" ";
if(j<=m)
    cout<<b[j]<<" ";
}

int main()
{
    cout<<"n=";cin>>n;
    for(i=1;i<=n;i++)
    {
        cout<<"a["<<i<<"]="";
        cin>>a[i];
    }
    cout<<"m=";cin>>m;
    for(j=1;j<=m;j++)
    {
        cout<<"b["<<j<<"]="";
        cin>>b[j];
    }
    sub(n,m,a,b);
    return 0;
}

```

- Varianta 9:

```
#include <iostream>
```

```
using namespace std;
```

```
int n,k;
```

```
void sub(int n,int k)
```

```
{  
    int v[100],p=k,i,j=0;  
    for(i=1;i<=n;i++)  
        v[++j]=p*i;  
    for(i=j;i>=1;i--)  
        cout<<v[i]<<" ";  
}
```

```
int main()
```

```
{  
    cout<<"n=";cin>>n;  
    cout<<"k=";cin>>k;  
    sub(n,k);  
    return 0;  
}
```

- Varianta 10:

```
#include <iostream>
```

```
using namespace std;
```

```
int n,a,b;
```

```
void sub(int n,int &a,int &b)
```

```
{  
    int ok,i,m=n;  
    while(1)  
    {  
        ok=1;  
        if(n<2)ok=0;  
        for(i=2;i*i<=n;i++)  
            if(n%i==0)  
            {  
                ok=0;  
                break;  
            }  
        if(ok)  
        {  
            b=n;  
            break;  
        }  
        n++;  
    }  
    while(1)  
    {  
  
        ok=1;  
        if(m<2)ok=0;  
        for(i=2;i*i<=m;i++)  
            if(m%i==0)  
            {  
                ok=0;
```

```
        break;
    }
    if(ok)
    {
        a=m;
        break;
    }
    m--;
}
}
```

```
int main()
{
    cout<<"n=";<<cin>>n;
    sub(n,a,b);
    cout<<a<<" "<<b;
    return 0;
}
```