

Exemplification for

int i;

```
for (i = 5; i <= 9; i++)  
    cout << i << " ";
```

→ 5 6 7 8 9

Suma nr. de la 1 la n

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

```
cin >> n;
```

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

```
cout << S;
```

$n = 1000 \rightarrow 500500$

$10000 \rightarrow 50005000$

$100000 \rightarrow \cancel{5000050000}$   
nerepresentabil

$50.000 \rightarrow$  <sup>pe int</sup>  $1.250.025.000$

## Suma a n valori

```
int n, i, s, x;  
s = 0;  
cout << "Cate obiecte ai cumparat: ";  
cin >> n;    cout << "Baga pretul pt. fiecare: ";  
for (i = 1; i <= n; i++)  
{  
    cin >> x;  
    s = s + x;  
}  
cout << "Total = " << s;
```

Ex:  
5

12 8 5 2 14

ansp:  
41