

//装箱问题，洛谷 P1049

```
#include <iostream>
```

```
using namespace std;
```

```
int main(){
```

```
    bool a[200005]={false};
```

```
    a[0]=true;
```

```
    int v, n;
```

```
    cin >> v >> n;    //24 6
```

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

```
        int x;
```

```
        cin >> x;        //8 3 12 7 9 7
```

```
        for (int j=v; j>=x; j--){
```

```
            if (a[j-x]) a[j]=true;
```

```
        }
```

```
    }
```

```
    int i=v;
```

```
    while (!a[i]) i--;
```

```
    cout << v-i;
```

```
    return 0;
```

```
}
```