

```
1 #include<iostream>
2 #define ll long long int
3 #define max 500001
4 using namespace std;
5 int main()
6 {
7     ll t;
8     ll nod[max] = {0};
9
10    cin >> t;
11    for(ll i=1; i<max; i++)
12    {
13        for(ll j=i; j<max; j+=i)
14        {
15            nod[j]=nod[j]+i;
16        }
17    }
18    while(t-->0)
19    {
20        ll temp;
21        cin >> temp;
22        cout << nod[temp]-temp << endl;
23    }
24
25
26    return 0;
27 }
```