

CP With Shibam

Day-24

[A. Vanya and Cubes](#)

```
#include<bits/stdc++.h>

using namespace std;

main()
{
    int n,i;

    cin>>n;

    for (i=0; i*(i+1)*(i+2)/6 <= n; i++);

    cout<<i-1;

}
```

[A. Floor Number](#)

```
#import<bits/stdc++.h>

using namespace std;

int n,t,x;

main()
{
    for(cin>>t;t--;)
    {
        cin>>n>>x;

        cout<<(n<3?1:(n-3)/x+2)<<endl;

    }

}
```