Problem Link:

<https://codeforces.com/problemset/problem/492/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** maxheight(**int** n) {
* **int** t = 0;
* **int** h = 0;
* **while**(**true**)
* {
* h++;
* t += (h \* (h + 1)) / 2;
* **if**(t > n)
* {
* **break**;
* }
* }
* **return** h - 1;
* }
* **int** main() {
* **int** n;
* cin >> n;
* cout << maxheight(n) << **"\n"**;
* **return** 0;
* }