Problem Link:

<https://leetcode.com/problems/arranging-coins/>

Solution:

class Solution {

public:

int arrangeCoins(int n) {

long long l = 0, r = n;

while(l <= r)

{

long long m = l + (r - l) / 2;

long long t = m \* (m + 1) / 2;

if(t == n)

return (int)m;

if(t < n)

l = m + 1;

else

r = m - 1;

}

return (int)r;

}

};