Problem Link:

<https://leetcode.com/problems/guess-number-higher-or-lower/?envType=daily-question&envId=2025-05-23>

Solution:

/\*\*

\* Forward declaration of guess API.

\* @param num your guess

\* @return -1 if num is higher than the picked number

\* 1 if num is lower than the picked number

\* otherwise return 0

\* int guess(int num);

\*/

class Solution {

public:

int guessNumber(int n) {

int l = 1, h = n;

while(l <= h) {

int m = l + (h - l) / 2;

int r = guess(m);

if(r == 0)

return m;

else if(r < 0)

h = m - 1;

else

l = m + 1;

}

return -1;

}

};