Solution:

We will base on those equations:

(1)

(2)

Algorithms:

+ Step 1: put every element to hashmap

+ Step 2: based on 1th equation. find every number sequences like: 0, 0, 1, 2…,n and replace by (n+1). Put (n+1) to hashmap

+ Repeat step 2

+ Step 3: based on 2th equation, loop thought hashmap, find any element “n” have value>1, replace with (n+1) and reduce value of n.

+ Step 4: return hashmap.size()