





# Hash Map/Set



video - 18

{ My cousin is blessed with a  
BABY GIRL  }

Leetcode-  
781  
Medium

 → codestorywithmiK  
 → CSwithMIK  
 → codestorywithMIK



+ Tech ...

## Motivation :-

Turn every "WHY ME"  
into "WATCH ME".

Prepare to be a legend and always  
remember I trust you all a lot.  
We all can do it.



MIK...

### 781. Rabbits in Forest

Medium

Topics

Companies

There is a forest with an unknown number of rabbits. We asked n rabbits "How many rabbits have the same color as you?" and collected the answers in an integer array answers where answers[i] is the answer of the i<sup>th</sup> rabbit.

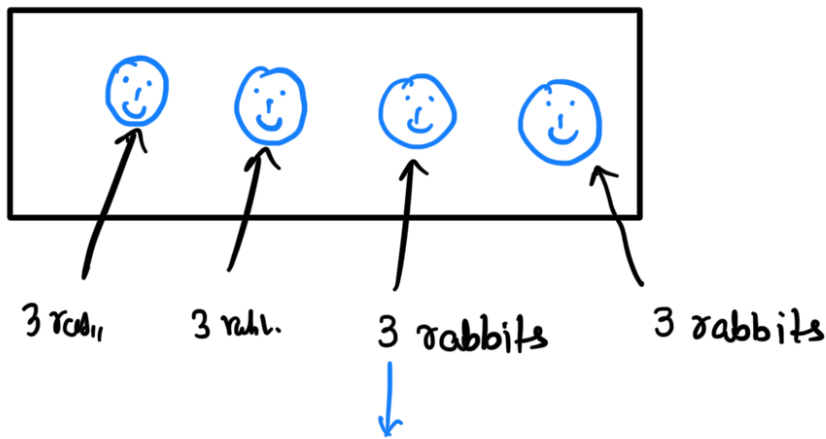
Given the array answers, return the minimum number of rabbits that could be in the forest.

Example :-  
$$\text{answers} = \overset{0}{[1, \overset{1}{1}, \overset{2}{2}]}$$
  
$$\text{output} = 5$$



# Thought Process

{ 1, 1, 2 }



$$x=3$$

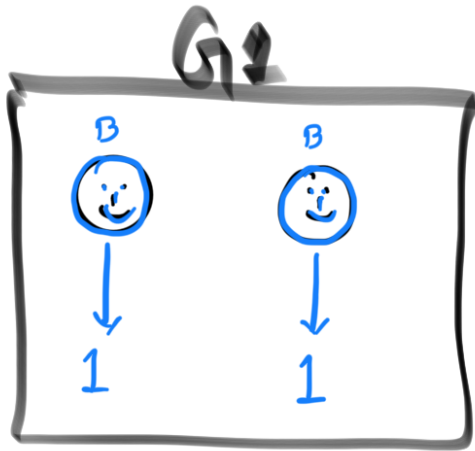
$$\text{total} = (x+1);$$

$$\text{Group size} = (x+1);$$

$$\text{Group size} = 4$$

$$\text{children}(x) = 3$$

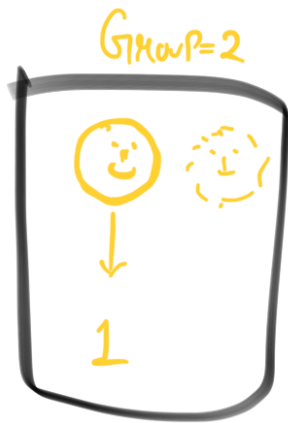
$$\text{Group size} = (x+1) = 3+1 = 4$$



$$\Rightarrow x = 1$$

$$\Rightarrow \text{Group size} = (x+1) = 2$$

$$1 * 2 = 2$$



$$\Rightarrow x = 1$$

$$\Rightarrow \text{Group size} = (x+1) = 2$$

$$1 * 2 = 2$$

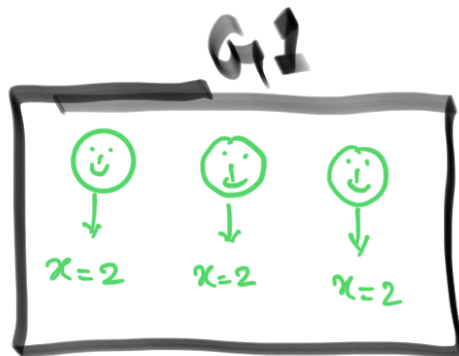
$$\text{Tot} = 2 + 2 = 4$$

We had to make a new

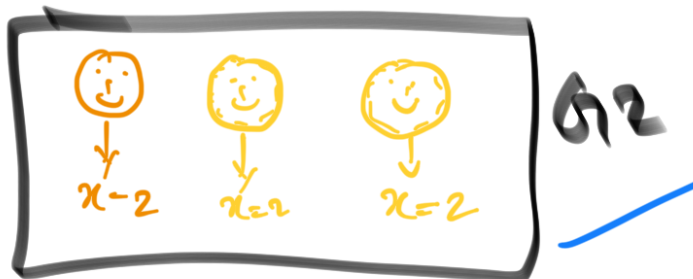
Group

{ 2, 2, 2, 2, 2, 2, 2 }

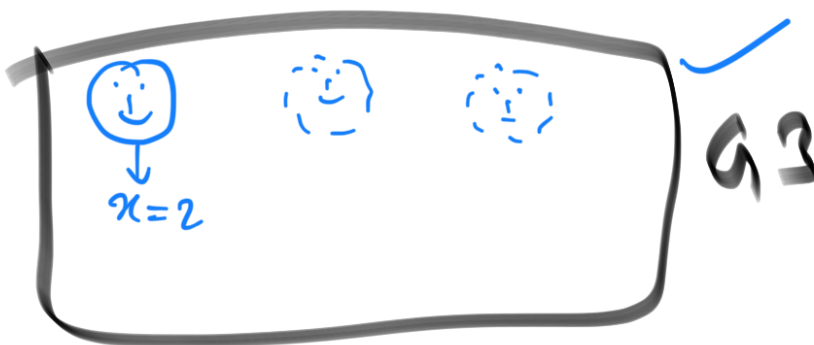
9 rabbits said  
 $x = "2"$



$x$  = answer given by rabbit  
 groupSize =  $(x+1)$ ;  
 Count = 9



groups =  $\binom{9}{2+1}$   
 $= 9/3 = 3$



3 Groups.  
 $(x+1)$

Total =  $3 * (x+1)$   
 $= 3 * (3)$   
 $= 9$

Answers = { 1, 1, 2 }

answer (x)	count
1	2
2	1