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## The Captain's Room ☆

78/115 challenges solved

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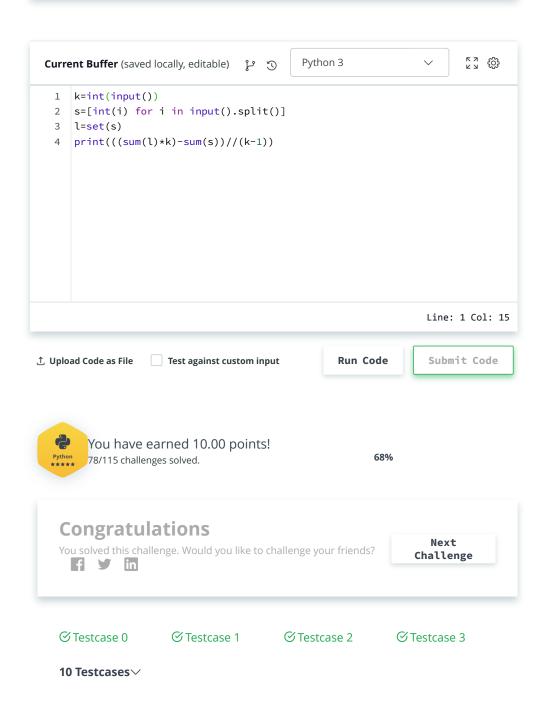
Easy 10 19186

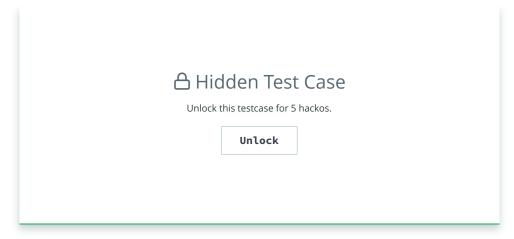
## Your The Captain's Room submission got 10.00 points. Share Tweet Try the next challenge | Try a Random Challenge

Problem	Submissions	Leaderboard	Discussions	Editorial 合		
Mr. Anant Asankhya is the manager at the <i>INFINITE</i> hotel. The hotel has an infinite amount of rooms.					Author	
One fine day, a <i>finite</i> number of tourists come to stay at the hotel.					Difficulty	
The tourists consist of:					Max Score	
ightarrow A Captain.					Submitted By	
$ ightarrow$ An unknown group of families consisting of $m{K}$ members per group where $m{K}  eq m{1}$ .					NEED HELP?	
The Captain was given a separate room, and the rest were given one room per group.					View discussions	
Mr. Anant has an unordered list of randomly arranged room entries. The list consists of the room					☐ View editorial	
numbers for all of the tourists. The room numbers will appear $m{K}$ times per group except for the					▼ View top submissions	
Captain's room.					▼ view top submissions	
Mr. Anant needs you to help him find the Captain's room number.					RATE THIS CHALLENGE	
The total number of tourists or the total number of groups of families is not known to you. You only know the value of $K$ and the room number list.					公 公 公 公 公	
					MORE DETAILS	
Input Format						nt
The first line consists of an integer, $oldsymbol{K}$ , the size of each group.					Download sample test cases     ■    ■    Download sample test cases     ■    ■    Download sample test cases     ■	
The second line con	ntains the unordered ele	ments of the room num	nber list.			
					Suggest Edits	
Constraints					f y in	
1 < K < 1000						
Output Format						
Output the Captain'	's room number.					
Sample Input						
5	2 5 2 6 1 6 5 2 2 4 1	2514260421	F. C. 2			
12365442	25361653241	2514368431	5 6 2			
Sample Output						
8						
Explanation						

The list of room numbers contains  $\bf 31$  elements. Since  $\bf K$  is  $\bf 5$ , there must be  $\bf 6$  groups of families. In the given list, all of the numbers repeat  $\bf 5$  times except for room number  $\bf 8$ .

Hence,  $\bf 8$  is the Captain's room number.





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