Problem Statement 1 – Best Bowler

Board of Control for Cricket in India wants to award all the best bowlers, based on their performances in a year. A Bowler is called the Best, if the average wickets taken by him during the year is 5 and above. The number of matches played is calculated by the number of digits provided against a player. Assume that no bowler has taken 10 wickets in a match and the maximum number of matches played by one player is 100.

BCCI has assigned you task to write a program that calculates the count of best bowlers among the given lot.

Note: You need to handle the condition when there are no bowlers for a given year.

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Input/Output Specs

Input Sepcifications:

Your program must read two arguments (input1, input2) where

input1 is an integer that provides you the count of players details provided in input2

input2 is a string that provides you each player details. The string starts and ends with a curly braces { }. Between the curly braces are the player details which are separated by comma (,)

 A sample representation of the same is as follows
{2210011,1115422363,4645637468,023013,1323402022}.

 Output Specifications:

The function must return the number of Best Players to the output variable 'output1'

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Examples

Sample Input:

input1 = 5

input2 = {2210011, 1115422363, 4645637468, 023013, 1323402022}

Note: Provide (:) between input1 and input2 while providing custom inputs in the simulator. Otherwise it is not necessary.

Sample Output:

1

Explanation:

Here 5 represents the number of player information that is provided to you. Considering the 5 players as V. Kumar, R. Ashwin, P. Ojha, V. Aaron, U. Yadav

Vinay Kumar has played 7 matches and the performances are 2,2,1,0,0,1,1. The average wickets taken in those 7 matches are 1 wicket per match. Since the criteria are 5, his is not included in the Best Bowlers list.

For Ashwin, the number of matches played is 10 and his performances are 1,1,1,5,4,2,2,3,6,3. The average wickets taken per match are 2.8. Since the critera are 5, his is also not included in the list.

Similarly for P. Ojha, average wickets taken based on the given details are 5.3. As he fits the criteria of 5 and above, he is included in the Best Bowlers list.

For V. Aaron, he doesn't fit the criteria because the average wickets taken by him are only 1.5

For U. Yadav, he also doesn't fit the criteria because the average wickets taken by him are only 1.9

So the total number bowlers who satisfied the criteria for Best Bowler is only one (P.Ojha). The output is 1

Problem Statement 2- T20 Scores

The Official ICPL database was hacked by a Russian hacker who had altered the official scores of some of the players. For example, the new changed scores of batting maestro Sachin Tondulkar became.

55 99 99 100 101 101 34 35 36 5 28 7 50 50 51 52 52 24 13 14 15 5 6 7 37 31 37 38 39 36 40

The ICPL team found out that the Russian hacker created a sequence of consecutive integers around the player's original scores. The team was able to get back the original score by finding out all the occurrences of 3 consecutive integers and replacing it with the middle value and deleting the other two. They kept on doing that until there was no occurrence of consecutive integers.

The original scores of Sachin made public after restoration are:

55 100 35 5 28 7 51 24 14 6 37 31 38 36 40.

Find out that program written by ICPL team to identify the occurrences of 3 consecutive integers in a given array of N numbers and replace them with the middle value by deleting the other two from the list to restore the original score of other players.

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Input/Output Specs

Input

Your program must read two arguments i.e. MatchesPlayed and PlayerScore[] where

MatchesPlayed is the count of number of matches played by the player as shown by the system after being hacked and (1<=MachesPlayed<=10000)

PlayerScore[] is an array of Scores of the player. (0<=PlayerScore<=200)

Output

Your function GetOriginalScore should remove the fake entries inserted by the hacker and set the output variable 'output1' with the original score of the player.

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Examples

Sample input 1: 7:{1, 3, 4, 5, 5, 6, 8}

Here 7 is the number of matches played by the player and the next array of inputs are the scores of the player.

Sample output 1: {1, 5, 8}

Sample input 2: 7:{100, 98, 99, 99, 100, 101, 98}

Sample output 2: {99}