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Input Output Questions Overview

Input Output Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Input Output Questions.

Input Output Questions

Direction: A word and number arrangement machine, when given an input line of words and numbers, rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. Input: developer 76 carpenter 53 duster 61 per 24 storekeeper 38 Step1: 26 developer 76 carpenter 53 duster 61 storekeeper 38 per Step2: 40 26 developer 76 carpenter 53 61 storekeeper per duster Step3: 51 40 26 developer 76 61 storekeeper per duster carpenter Step4: 59 51 40 26 76 storekeeper per duster carpenter developer Step5: 78 59 51 40 26 per duster carpenter developer storekeeper Step 5 is the final output. Find the different steps of output using the above-mentioned logic for the following input. Input: flip 64 championship 37 internship 29 philip 71 companionship 55

Question

What is the difference between the highest and the lowest numbers of step 3?

Difficulty : Moderate   **Average Time : 59 Seconds**

Options :

1. 28

2. 44

3. 51

4. 56

5. None of these

Solution

The correct answer is **Option 2** i.e **44**

Understanding

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The logic followed is:

Change in Number: Change in numbers take place as per the ascending order. If the number is odd then subtract 2 from it and shift it to the extreme left end. If the number is even then add 2 to it and shift it to the extreme left end.

Change in Word: Change in words take place as per the ascending order of the number of vowels in each word. Words are shifted to the extreme right end.

 Changes in word and number take place simultaneously in each step.

Applications

Input: flip 64 championship 37 internship 29 philip 71 companionship 55

Step1: 27 64 championship 37 internship philip 71 companionship 55 flip

Step2: 35 27 64 championship internship 71 companionship 55 flip philip

Step3: 53 35 27 64 championship 71 companionship flip philip internship

Step4: 66 53 35 27 71 companionship flip philip internship championship

Step5: 69 66 53 35 27 flip philip internship championship companionship

Clearly, the highest number in step 3 is 71 and the lowest number in step 3 is 27.
Required difference = 44

Hence, the correct answer is **44.**