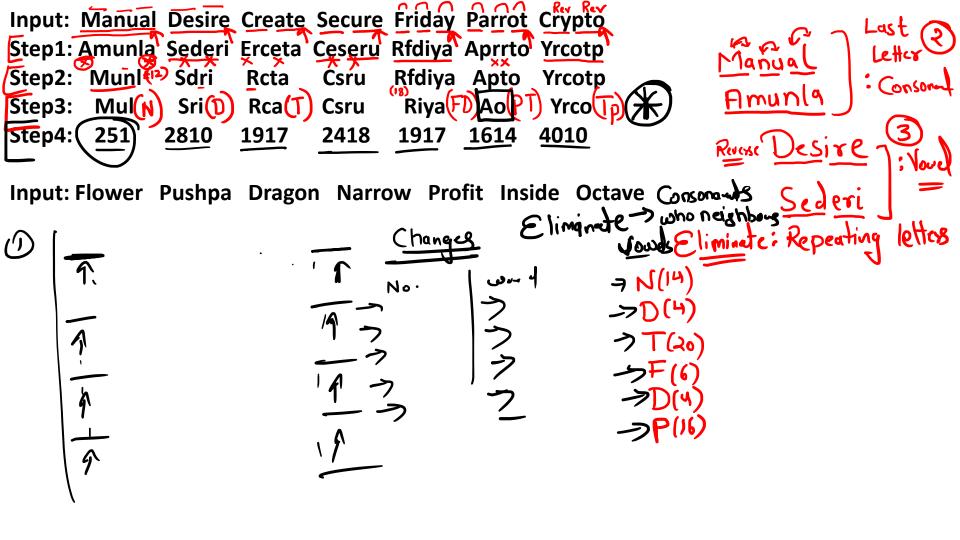
Machine I/O-1 [7 Sets]
Unsolved



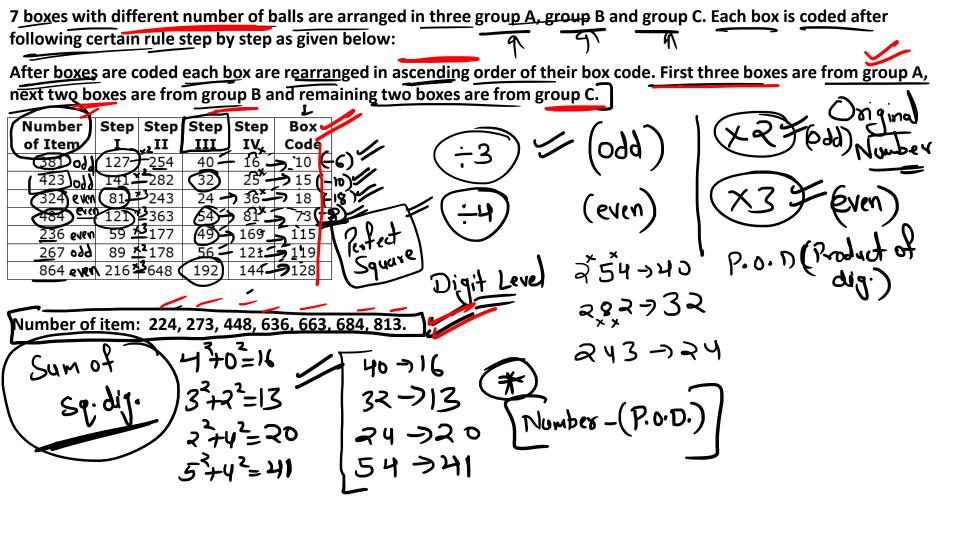
Q12. Which is the 3rd letter of the 2nd word from the left end in step 1?

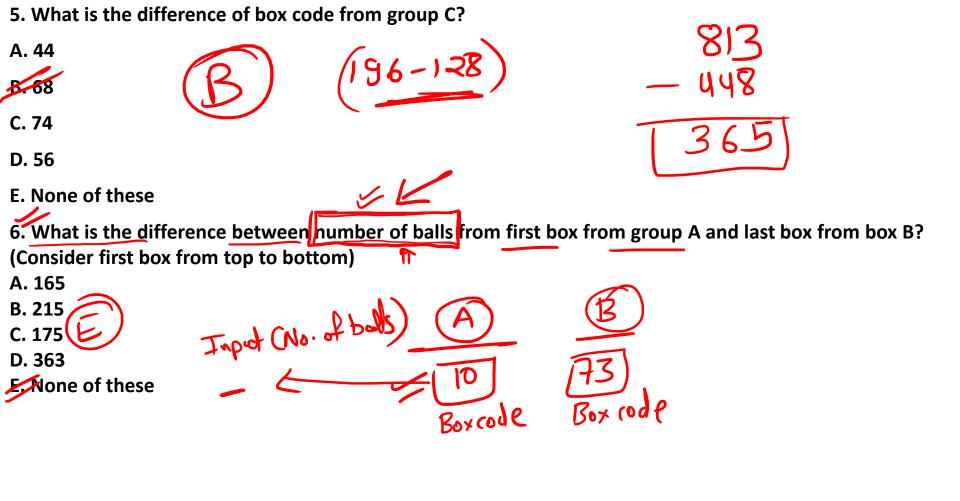
Q13. How many letters are there between 3rd letter of the 4th word from the right end and 3rd letter of the 2nd word from the right end in step 2?

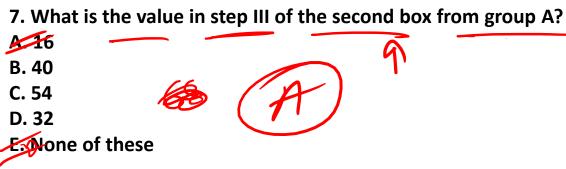
Q14. How many letters are there in total in step 3?

Q15. What is the difference between 4th highest & 3rd lowest number in step 4?

Input: Flower Pushpa Dragon Narrow Profit Inside Octave Step1: Lfwore Supaph Rdgano Anrrwo Rpfoti Sniedi Tcoeya= Step2: Lfwore Suah Rdgano Anwo Rpfoti Sned Tcoeva/ Words > Alphabetal Step3: Lwore Sua Rgao Awo Roi Se Coea Step4: 177 2018 333 1614 279 2414 42 Norw ing hom











B. 185

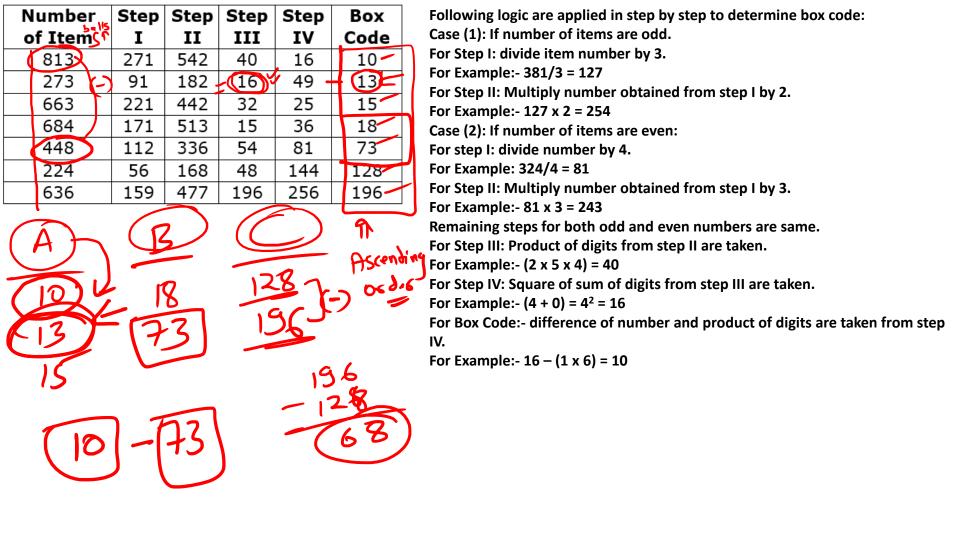
196

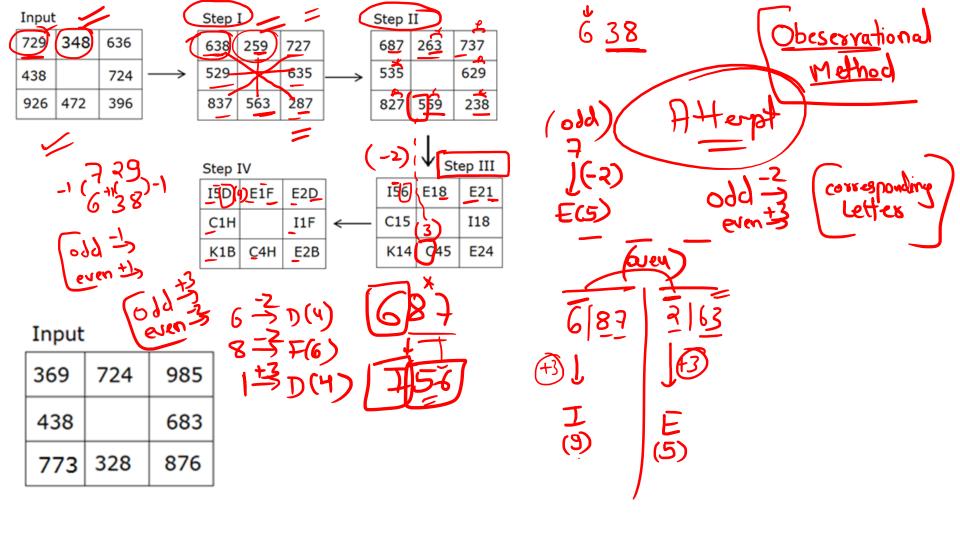
D. 155 E. None of these











9. What is the product of digits of the	number at cell 3x1 in	step II?	
A.378			
B.144		_	$/ \subset_{V_{1}}$
C.324		MID	(Skib)
D.216			
E. None of these			
10. Which of the following represents	the code at 1x3 in ste	ep IV?	

A.K1Z

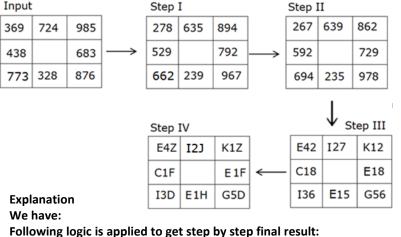
B.L3X

C.Z1M

D.K3Y

E. None of these

1. What is the difference between the numbers formed in the cell 1x2 and 3x1 in step II?
A.43
3.72
2.55
0.102
.56
2. Which of the following cell number represents the code "Z15" in step III?
A.3x3
3.1x2
2.3x1
0.2x3
.None of these



For Step I: from each odd digit '1' is subtracted and from each even digit '1' is added within the three-digit number.

For Step II: last two digits of the number formed from step 1 are interchanged with cell number as given below in the form of (Row, Column).

 $(1, 1) \rightarrow (3, 3)$

 $(1, 2) \rightarrow (3, 2)$

 $(1, 3) \rightarrow (3, 1)$

 $(2, 1) \rightarrow (2, 3)$

For step III: we have two possible conditions:

Case (1): If the first digit from step II is an even digit, then add '3' and replace that number with a corresponding letter in English alphabetical series, similarly multiply last

two digits.

For Example: 687 -> 156

Case (2): If the first digit from step II is odd, then subtract '2' and replace that number with a corresponding letter in English alphabetical series, similarly multiply last two

digits.

For Example: 737 -> E21

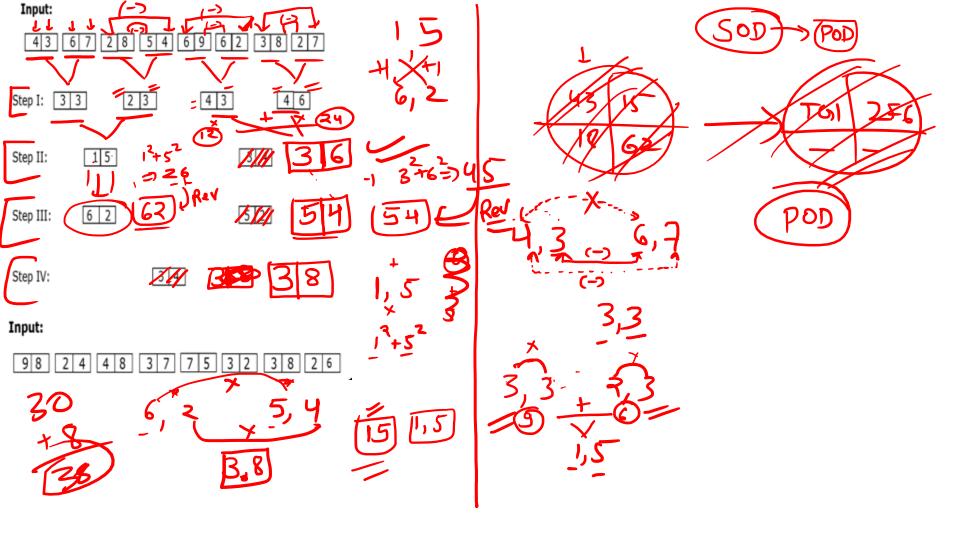
For Step IV: We have two possible conditions:

Case (1): If the last digit from step III is an even digit, then subtract '2' and replace that number with a corresponding letter in English alphabetical series.

For Example:- I56 -> I5D

Case (2): If the last digit from step III is odd, then add '3' and replace that number with a corresponding letter in English alphabetical series.

For Example: E21 -> E2D



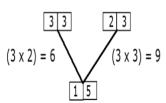
- 13) What is the difference of the square of the digits in step IV of the given input? A. 12 B. 13 C. 5 D. 16 E. None of these
- 14) What is different of the square of the numbers obtained in step II of the given input? A. 1296 B. 832 C. 1071 D. 1362 E. 616
- 15) What is the sum of the digits of the highest number in step III of the given input?

 A. 5 B. 8 C. 9 D. 12 E. None of these

Input: 3 7 7 5 3 2 3 8 2 6 9 8 2 4 4 8 5 6 3 5 3 6 Step I: 5 2 2 7 Step II: 4 5 3 5 Step III: 1 4 2 3 Step IV:

Step I: In this step following logic is applied:

Step II: In this step following logic is applied:

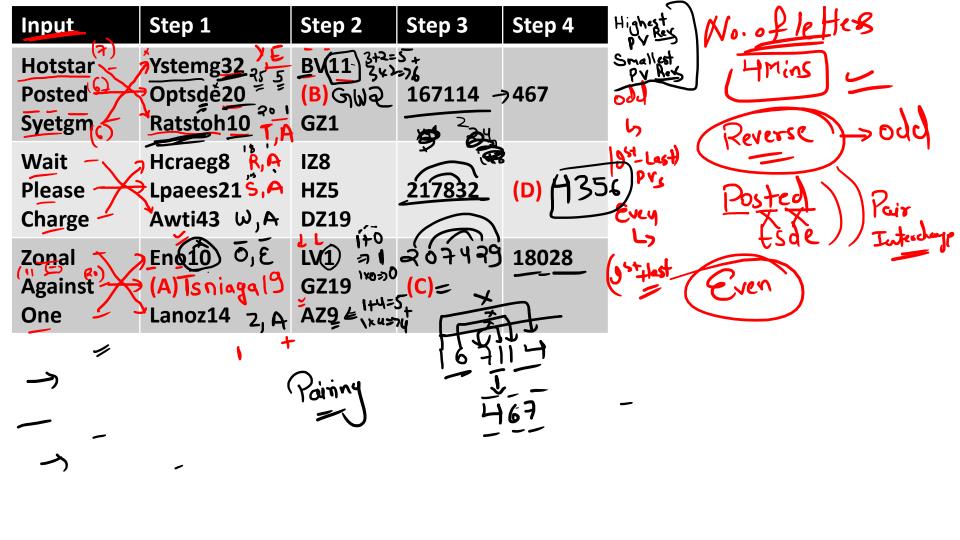


$$(1^2 + 5^2 = 26) \qquad (3^2 + 4^2 = 25)$$

Clearly, in step 3, the digits of the result are reversed.

Step IV: In this step following logic is applied:

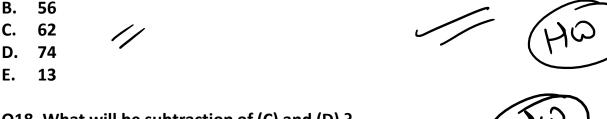
$$(6 \times 5) + (2 \times 2) = 34$$



Q16. If all the letters are replaced with opposite letters (according to the alphabetical order) in (A) then its letters are written in reverse alphabetical order from left to right so find the 4th letter from the left in this new word?



Q17. What will be the sum of squared digits of the alphabetical place values of letters in (B)? 49



Q18. What will be subtraction of (C) and (D)?

307 180437 20307

1837 None of these

Α.



Logic:
Step 1 – If number of letters in the word is odd, then reverse the order of the word and if the number of letters in the word is even, then exchange 1st letter with 2nd letter, 3rd letter with 4th letter and so on. For number add the alphabetical place value of 1st and last letter if number of letter is even and subtract the alphabetical place value of 1st and last letter if number of letter is odd.

Step 2 – Reverse of highest and lowest letter is written and for number add sum of the digits and product of the digits of the number.

Step 3 – Add all the place values of the 1st letter then add all the place values of the 2nd letter and add all the numbers and write it in this order.

Step 4 – Write product of 1st and last digit, 2nd and 2nd last digit and so on.