



# IBPS/ BANK 2023



**REASONING**

# MACHINE INPUT OUTPUT

**(BASIC TO ADVANCE)**

सारे **CONCEPTS** सिर्फ एक क्लास में

**LIVE | 09:00 AM**

**BY KULDEEP MAHENDRAS**





# UPCOMING ONLINE BATCHES

## February 2023

**08 FEB 2023**

**03:00 PM to 05:00 PM**

**SSC ONLINE LIVE CLASS**

**BILINGUAL**

**15 FEB 2023**

**10:30 AM to 12:30 PM**

**BANK ONLINE LIVE CLASS**

**BILINGUAL**

**15 FEB 2023**

**06:30 PM to 08:30 PM**

**BANK ONLINE LIVE CLASS**

**English & Bengali**



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GANIE SHAKIR 7 hours ago 13 subscribers

None



The Shield TLC 🔥 7 hours ago 14 subscribers

Home Work Answer is None/ CND

Thank you sir thank you so much session is too good 🙌🔥🔥🔥🔥🔥🙌



Surbhi Sinha 7 hours ago 4 subscribers

Homework question answer 🙌 NONE THANK YOU SIR 🙌 DHAMAKEDAR SESSION THA BAHUT KUCHH NEW OR LOGICAL QUESTION SOLVE KIYE TRICK SMJHE AAYEGA



Aalap 11 hours ago 7 subscribers

Nice session 🔥 Thank You sir 🙌

HW ANSWER: None





Tanisha p 6 hours ago 1 subscribers

Thank u so much sir 🙏

Aaj ka session bahut accha tha or question bhi mst the sir 🙏🙏🙏

Homework --- NONE

👍 🗨️ Reply



monika kumari 6 hours ago

None

Thank you sir 🙏😊

Sir apke har class day to day jagab 🙏🙏🙏🔥🔥🔥🔥🔥🔥🔥🔥🔥

👍 🗨️ Reply



Niharika Jha 5 hours ago

Nice session sir 🙏🔥

Homework answer NONE/CND

👍 🗨️ Reply



Magic Life 2 hours ago 10 subscribers

HOME WORK ANSWER IS( NONE) New concept samajhne ko mila thankyou sir

👍 🗨️ Reply



harsh sharma 5 hours ago

Today's session is amazing ....sir

Homework answer.....none

👍 🗨️ Reply



Sarita Maurya 4 hours ago

None aayega sir very nice trick sir 🙏🙏🙏🙏

👍 🗨️ Reply



Sima Sharma 6 hours ago

None aayega dono ko merged kr ke bhi nhi bata sakteh " What " Ka code.

👍 🗨️ Reply



Nitika Gupta 5 hours ago 1 subscribers

None

👍 🗨️ Reply



Nitu Maurya 1 hour ago

Hw ans none.

Thanku sir for amazing session 🙏

👍 🗨️ Reply

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Q. WHAT' is written as \_\_\_\_\_.

I. 'WHAT IS INTELLIGENT ENOUGH' is written as '1 2 3 5'.

II. 'WHO IS INTELLIGENT BUT' is written as '2 6 3 4'.

प्र. 'WHAT' को \_\_\_\_\_ लिखा जाता है।



I. 'WHAT IS INTELLIGENT ENOUGH' को '1 2 3 5' लिखा जाता है।

II. 'WHO IS INTELLIGENT BUT' को '2 6 3 4' लिखा जाता है।



**Q. WHAT' is written as \_\_\_\_\_.**

**I. 'WHAT IS INTELLIGENT ENOUGH' is written as '1 2 3 5'.**

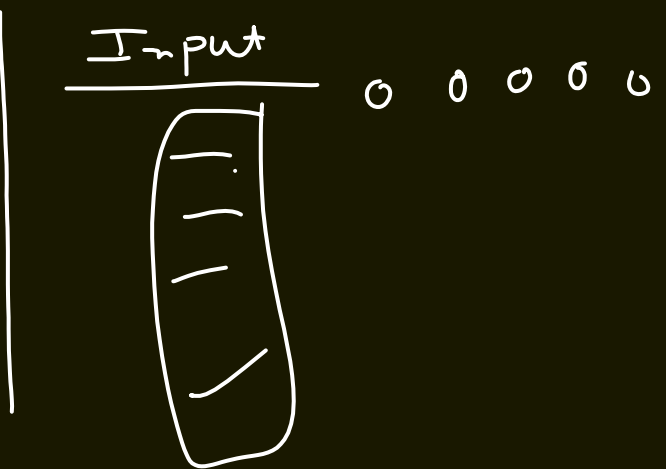
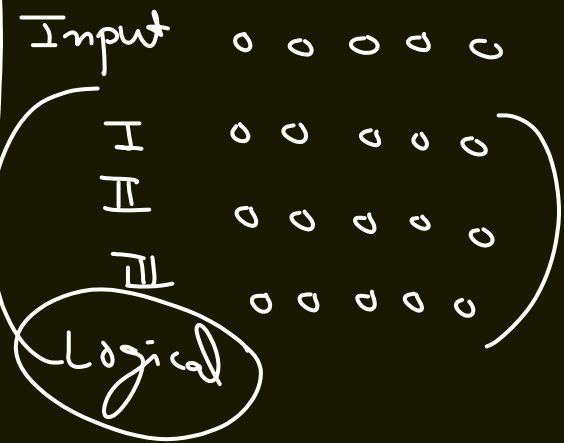
**II. 'WHO IS INTELLIGENT BUT' is written as '2 6 3 4'.**



# MACHINE INPUT

( मशीन इनपुट )

- Alp
- Increasing
- decreasing
- Number
- Vowel
- Con.
- Multiple





# Types of Machine Input

Arrangement

Shifting

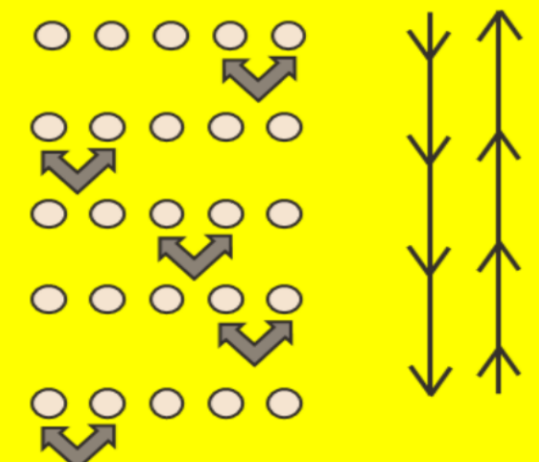
Box Based

Advance





# Formats of Machine Input

<u>Arrangement</u> <i>ending</i>	Shifting <i>Not ending</i>
<p>Input : DEBAC</p> <p>Step I : ADEBC</p> <p>Step II : ABDEC</p> <p>Step III: ABCDE</p> <p><u>(Last step)</u></p> <p>This is the last step</p>	<p>Input : DEBAC</p> <p>Step I : DEBCA</p> <p>Step II : EDBCA</p> <p>Step III: EDCBA</p> <p>Step IV : EDCAB</p> <p><u>DECAB</u></p> <p>And so on...</p> 



# About Arrangement

**Fixing**

**Shuffling**

**Position Interchange**



# Arrangement: Fixing

## Example:

Input : 14 good 63 66 39 for again

Step 1 : 66 14 good 63 39 for again

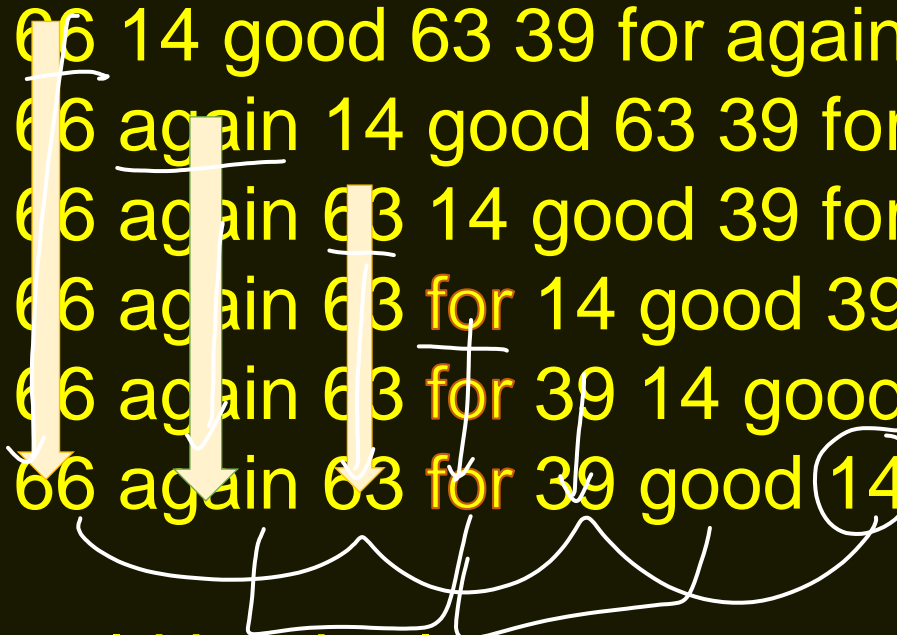
Step 2 : 66 again 14 good 63 39 for

Step 3 : 66 again 63 14 good 39 for

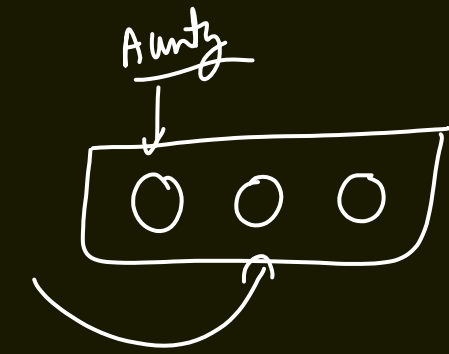
Step 4 : 66 again 63 for 14 good 39

Step 5 : 66 again 63 for 39 14 good

Step 6 : 66 again 63 for 39 good 14



Step 6 would be the last step.



Last Step



# Arrangement: Shuffling

**Example:** Input - 27 tract 13 add 94 multi

Step 1 - 27 tract 13 94 multi add

Step 2 - 27 tract 94 multi add 13

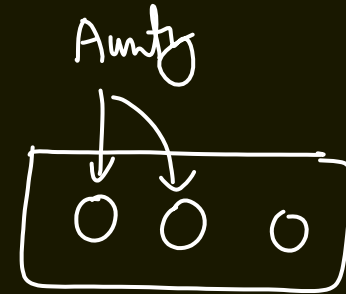
Step 3 - 27 tract 94 add 13 multi

Step 4 - tract 94 add 13 multi 27

Step 5 - 94 add 13 multi 27 tract

Step 6 - add 13 multi 27 tract 94

Step 6 would be the last step.





# Arrangement: Position Interchange

Example:

Input - 27 tract 13 add 94 multi

Step 1 - add tract 13 27 94 multi

Step 2 - add 13 tract 27 94 multi

Step 3 - add 13 multi 27 94 tract

Step 4 - add 13 multi 27 tract 94





Input : chammy wonky 26 33 58 hardstem Bataan 65

Step 1 : 65 C W 26 33 58 H B

Step 2 : 65 B C W 26 33 58 H

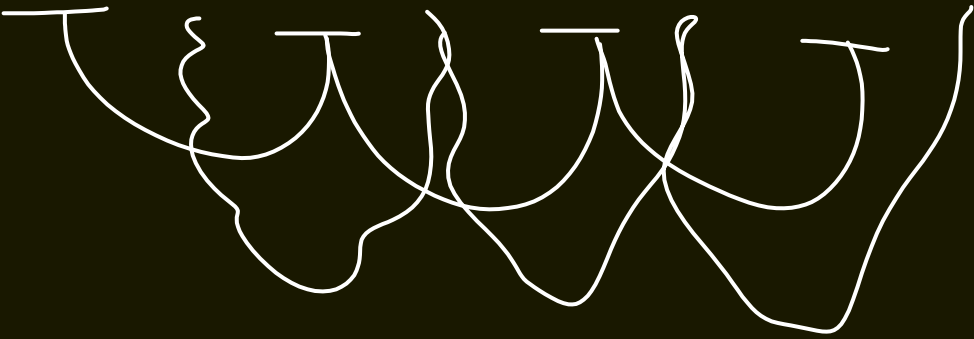
Step 3 : 65 B 58 C W 26 33 H

Step 4 : 65 B 58 C 33 W 26 H

Step 5 : 65 B 58 C 33 H W 26

Step 6 : 65 B 58 C 33 H 26 W

→ Last Step



Input : Determined Railway 16 38 47 Eenadu Apsrtc 55

(3) (11)

(6) (11)

(6) (11)

(4)

(3) (11)

(5)

(2)

(1)

Q.1. How many steps will be required to complete the rearrangement?

उपरोक्त व्यवस्था को पूरा करने के लिए कितने चरणों की आवश्यकता होगी?

1. Four

2. Five

3. Six

4. Seven

5. None of these

Basic Method

Input -	D	R	16	38	47	E	A	55
I -	55	<u>D</u>	<u>R</u>	<u>16</u>	<u>38</u>	<u>47</u>	<u>E</u>	<u>A</u>
II -	55	A	<u>D</u>	<u>R</u>	<u>16</u>	<u>38</u>	<u>47</u>	<u>E</u>
III -	55	A	47	<u>D</u>	<u>R</u>	<u>16</u>	<u>38</u>	<u>E</u>
IV -	55	A	47	D	<u>38</u>	<u>R</u>	<u>16</u>	<u>E</u>
V -	55	A	47	D	38	E	R	16
VI -	55	A	47	D	38	E	16	R



### Example:-

Input : 51 pour 31 star new 23 47 home

Step 1 : 23 51 pour 31 star new 47 home

Step 2 : 23 star 51 pour 31 new 47 home

Step 3 : 23 star 31 51 pour new 47 home

Step 4 : 23 star 31 pour 51 new 47 home

Step 5 : 23 star 31 pour 47 51 new home

Step 6 : 23 star 31 pour 47 new 51 home

CAR - 3  
TOY - 3







Q.2. How many more steps will require to complete the rearrangement ?

पुनर्गठन को पूरा करने के लिए कितने और चरणों की आवश्यकता होगी?

If Step II : 18 task bear cold duck 81 64 32

①      ②      ⑦<sub>(11)</sub>      ⑥      ④      ⑦<sub>(4)</sub>      ⑤      ③

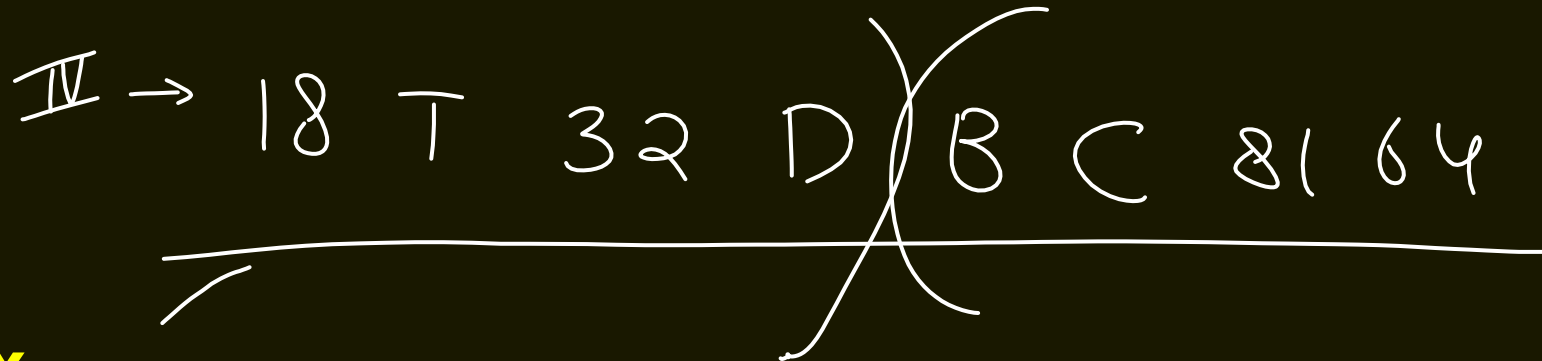
1. Three

2. Four

3. Five

4. Six

5. More than six





## Example:-

Input : some found 19 other 99 27 came 45

Step 1 : came some found 19 other 99 27 45

Step 2 : came 99 some found 19 other 27 45

Step 3 : came 99 found some 19 other 27 45

Step 4 : came 99 found 45 some 19 other 27

Step 5 : came 99 found 45 other some 19 27

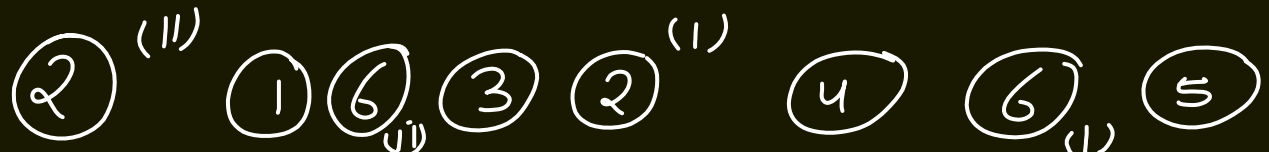
Step 6 : came 99 found 45 other 27 some 19





Q.3. Which of the following is **step IV** of the given input?

दिए गए इनपुट का चरण IV क्या है?



Input: books all 25 57 67 create new 39

IV → A 67 B 57 C 25 N 39

- 1. all 67 books 57 25 create new 39
- 2. all 67 57 books create 25 new 39
- ~~3. all 67 books 57 25 create new 39~~
- 4. all 67 books 57 create 25 new 39**
- 5. None of these



**Q.3. Which of the following is step IV of the given input?**

दिए गए इनपुट का चरण IV क्या है?

**Input: books all 25 57 67 create new 39**

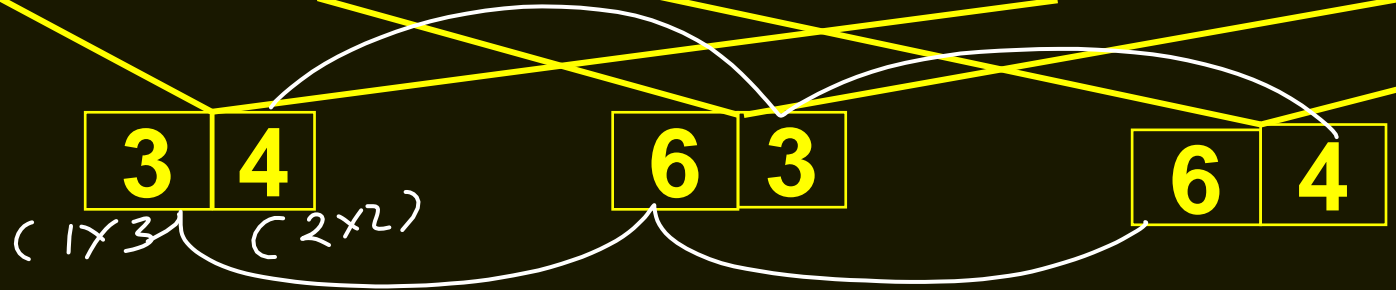
- 1. all 67 books 57 25 create new 39**
- 2. all 67 57 books create 25 new 39**
- 3. all 67 books 57 25 create new 39**
- 4. all 67 books 57 create 25 new 39**
- 5. None of these**



Input- 

1	2	2	1	3	1	2	3	3	3	4	2
---	---	---	---	---	---	---	---	---	---	---	---

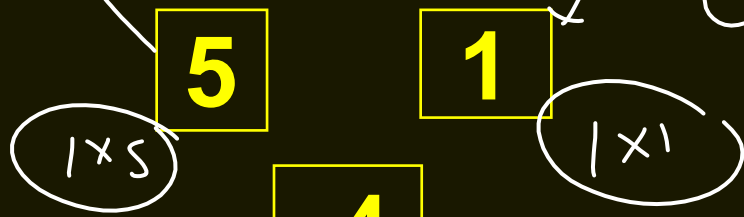
Step-I



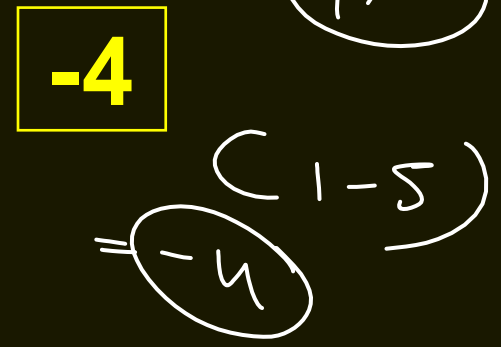
Step-II



Step-III



Step-IV





Input :- 

1	2
---	---

2	2
---	---

3	1
---	---

4	3
---	---

2	3
---	---

2	1
---	---

Find out the last two elements in step -I ?

(1) 23

(2) 63

(3) 32

(4) Cannot be determine

(5) None of these.



Input- 

4	4
---	---

5	1
---	---

1	5
---	---

1	2
---	---

4	1
---	---

1	6
---	---

Step-I

8	4
---	---

5	4
---	---

6	5
---	---

Step-II

$(8+5+6) \times 2$ 

3	8
---	---

2	6
---	---

 $(4+4+5) \times 2$

Step-III

$\frac{26}{2} + 1$ 

1	4
---	---

2	0
---	---

 $\frac{38}{2} + 1$

Step-IV

1	7
---	---

 $\frac{14+20}{2} = \frac{34}{2} = 17$