

कोडिंग-डिकोडिंग

Coding-Decoding-2



- ✓ Letter to Letter Coding / लैटर से लैटर की कोडिंग

↳ concepts + thought process + Example + Practice

- Letter to Number Coding / लैटर से नंबर की कोडिंग

- Letter to LSN

- Chinese Coding / चीनीज़ कोडिंग

- Substitution Coding / प्रतिस्थापन कोडिंग

- Matrix coding



Letter to Letter Coding

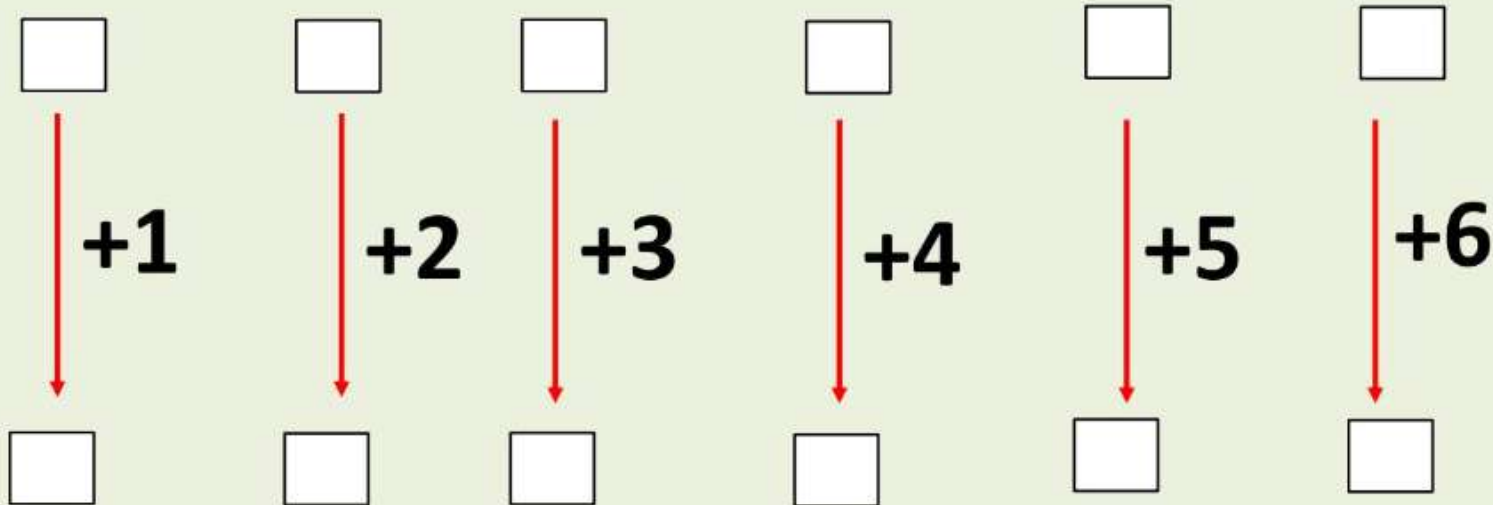
- First to First / पहले से पहले
- First to Last / पहले से आखिर तक
- Cross Coding / क्रॉस कोडिंग
- Sectional Coding(MIX) / सेक्शनल कोडिंग



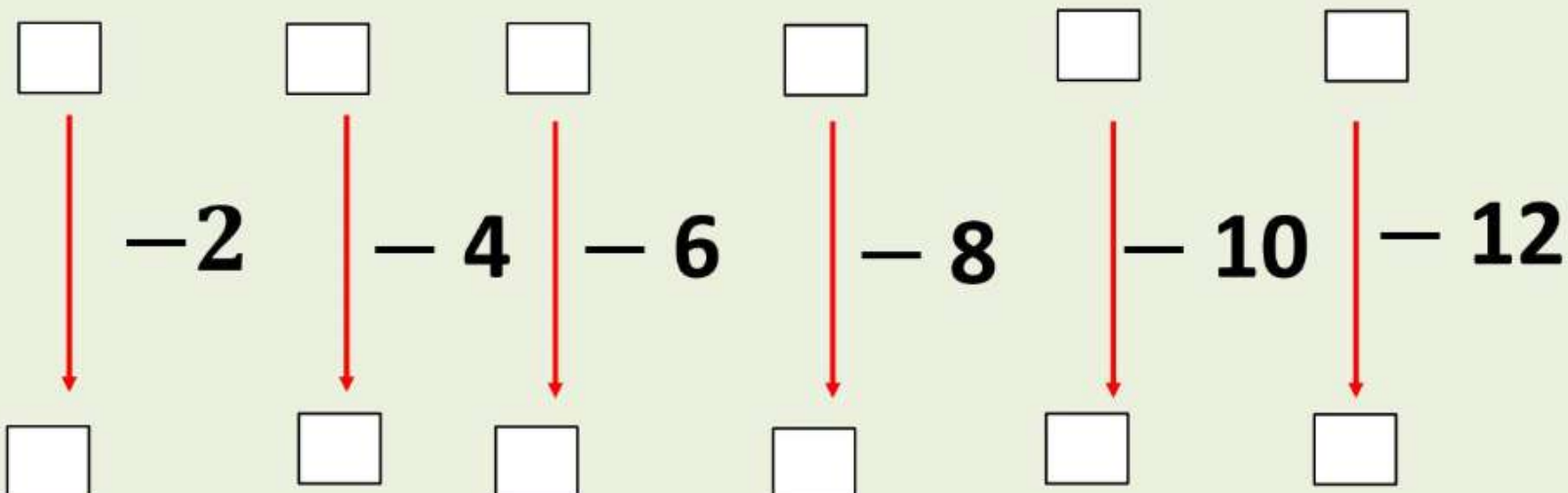
Logics of coding - decoding



Series Addition सीरीज



Series Subtraction



2 18 1 9 14
B R A I N
| +2 | +3 | +5 | +7 | +11
D U F P Y
4 21 6 16 25

A $\frac{+22}{-4}$ W

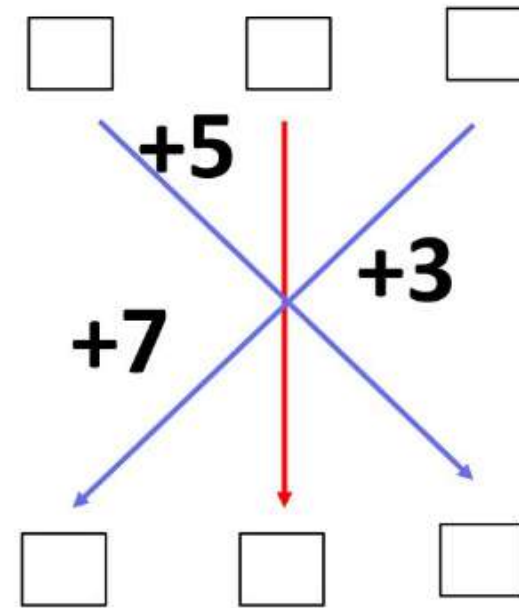
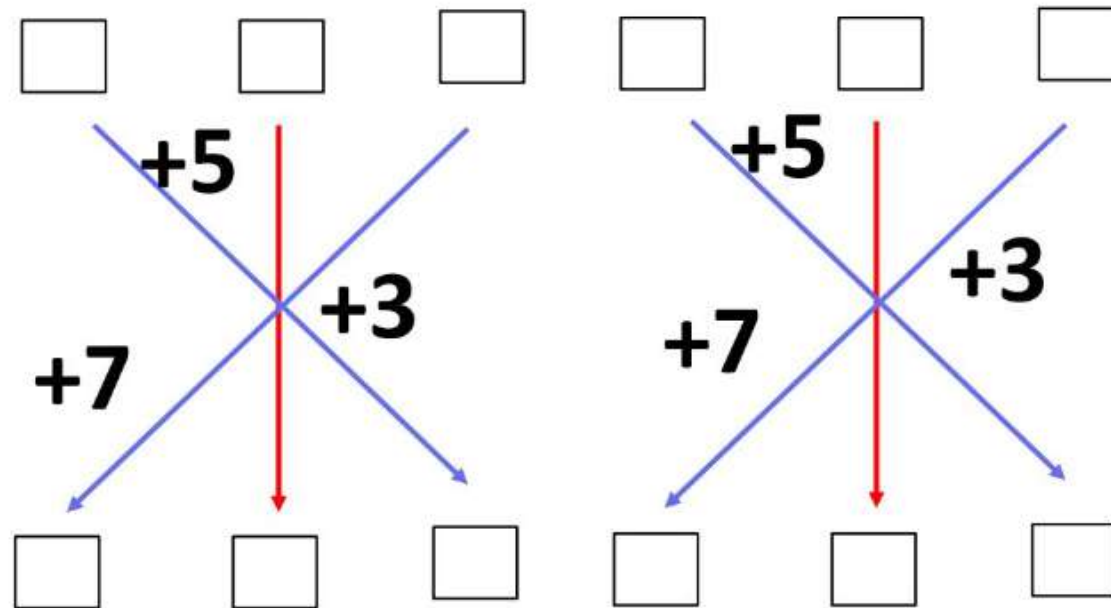
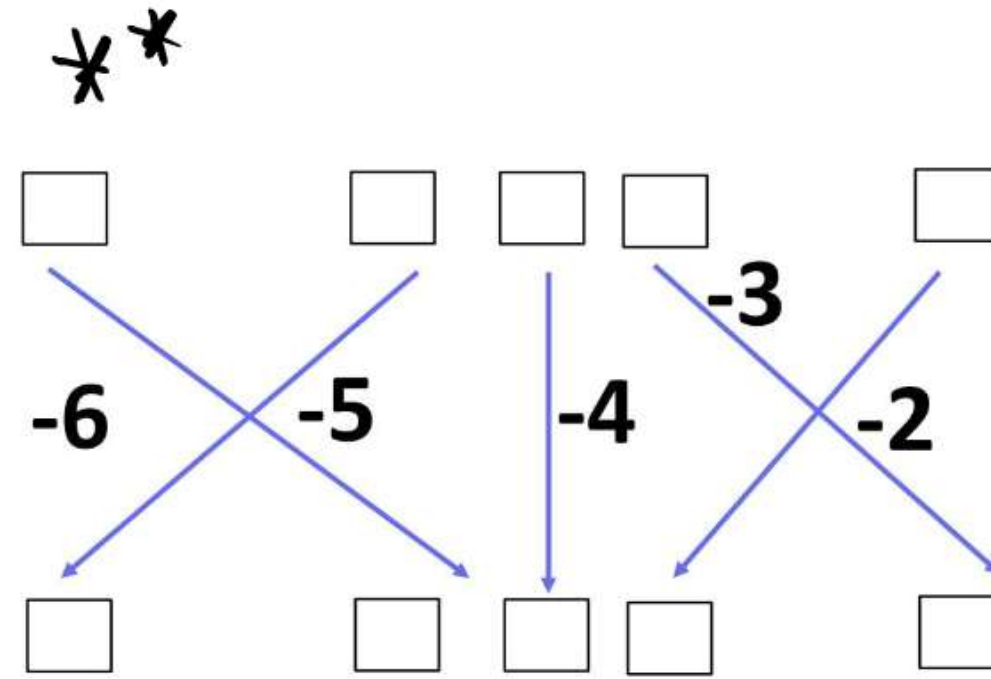
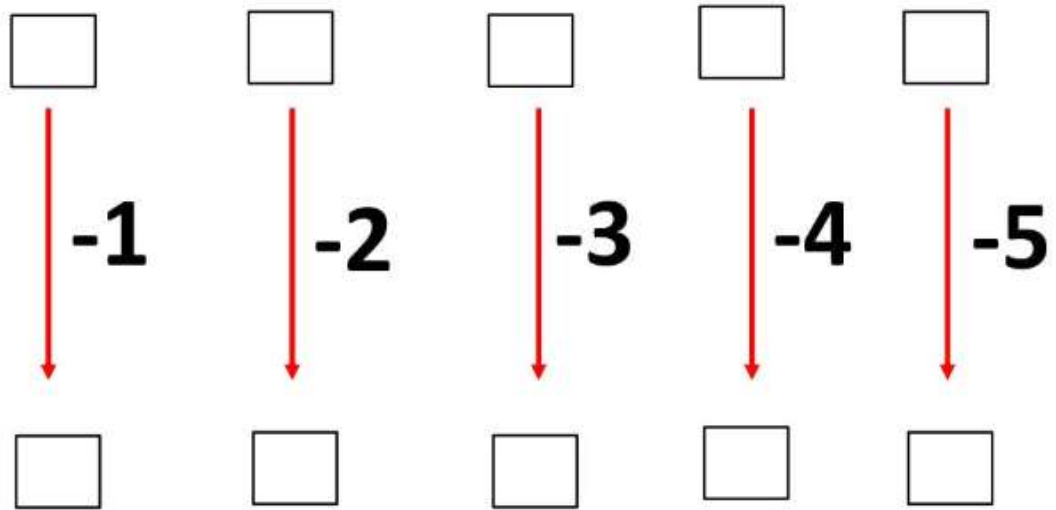
A $\frac{+20}{-6}$ V
21

13 1 12 1 25
M A L A Y
| -3 | -4 | -5 | -6 | -7
J W G U R
10 23 7 21 18

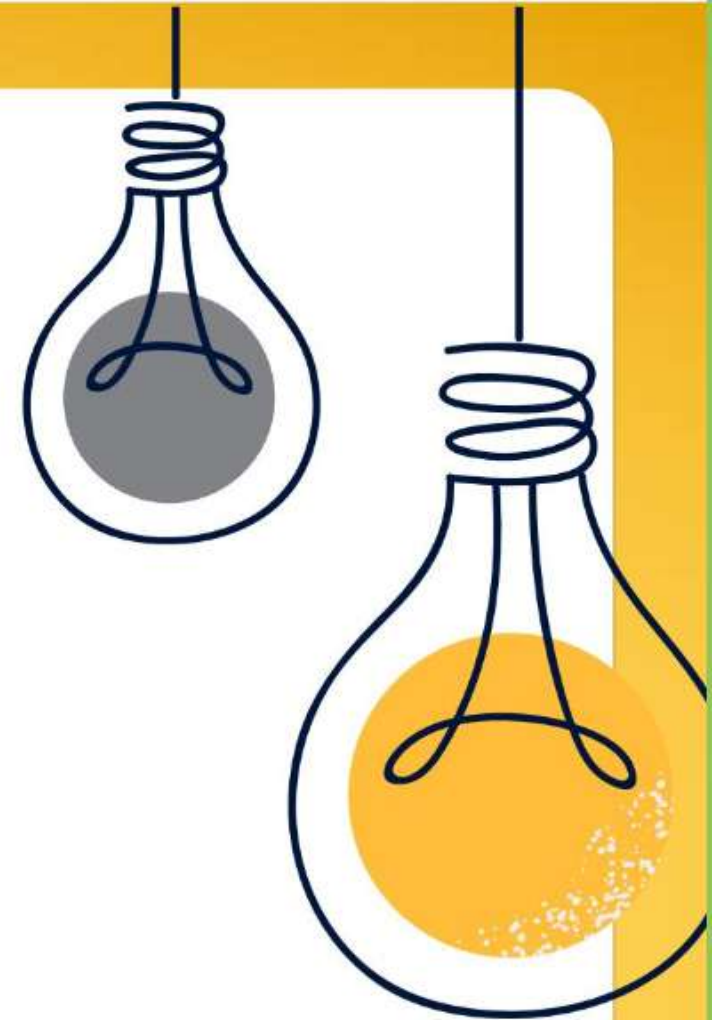
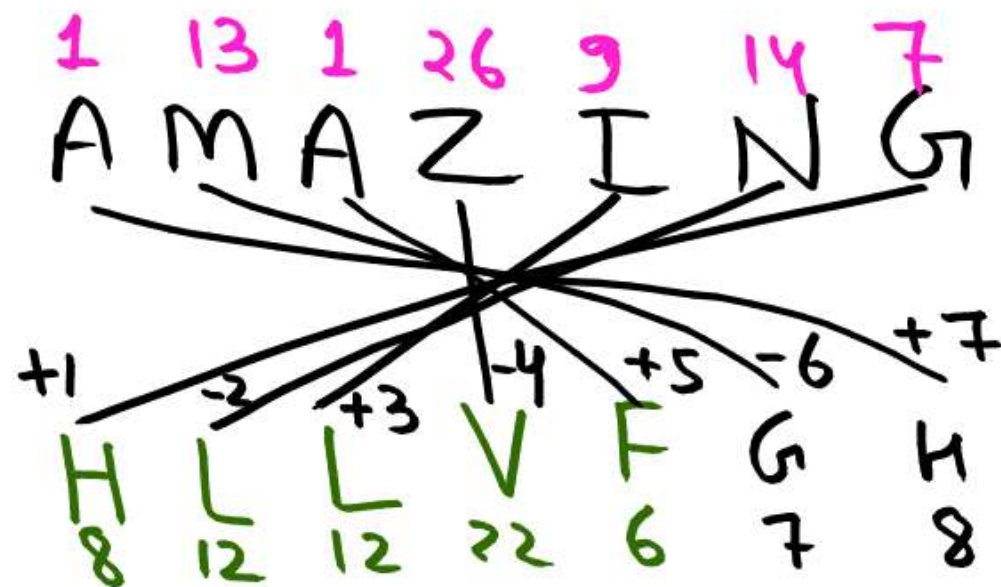
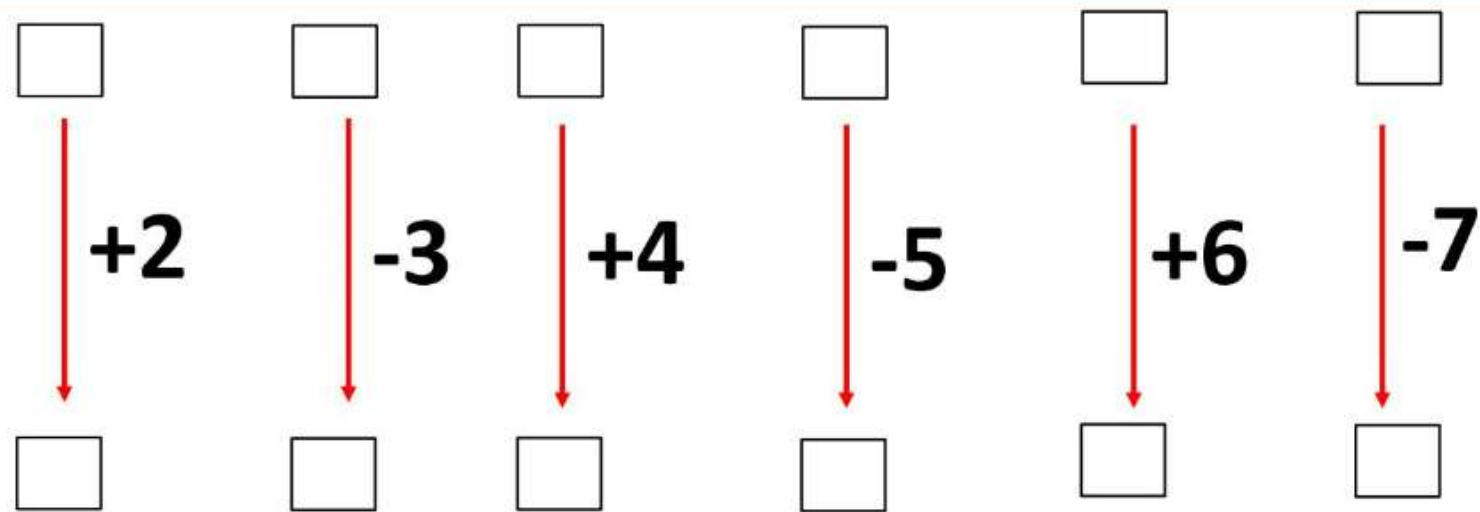




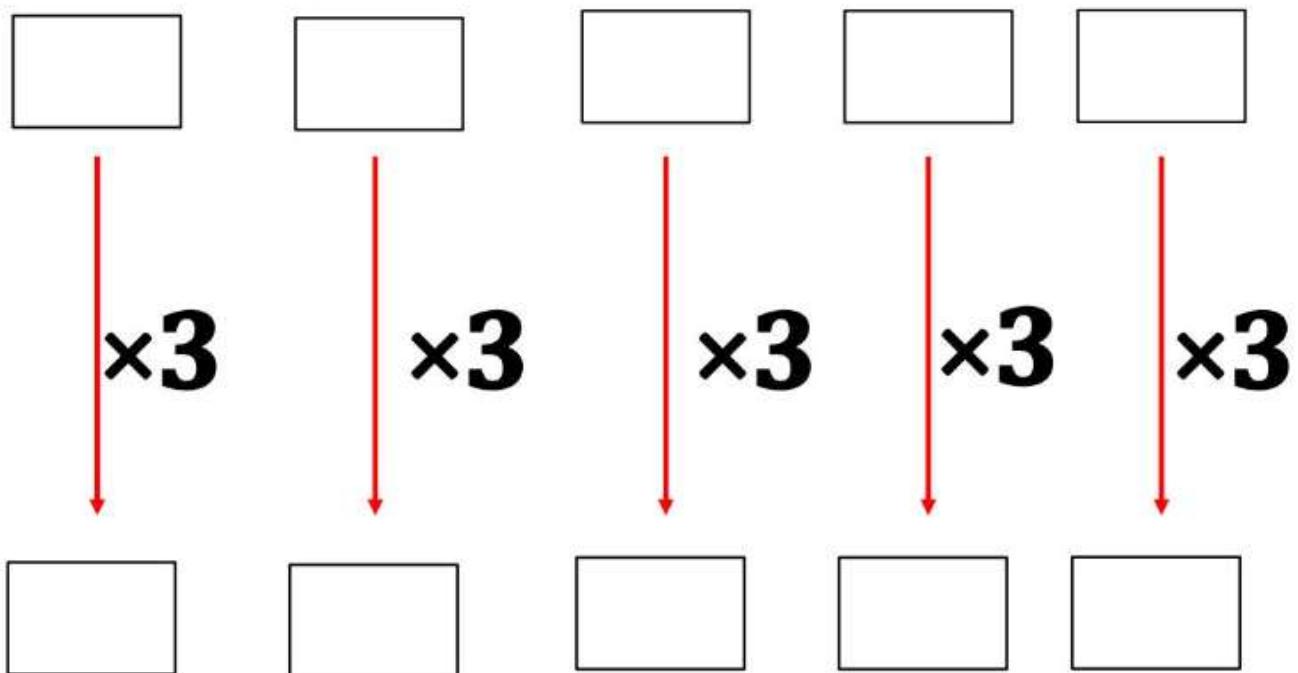
SERIES



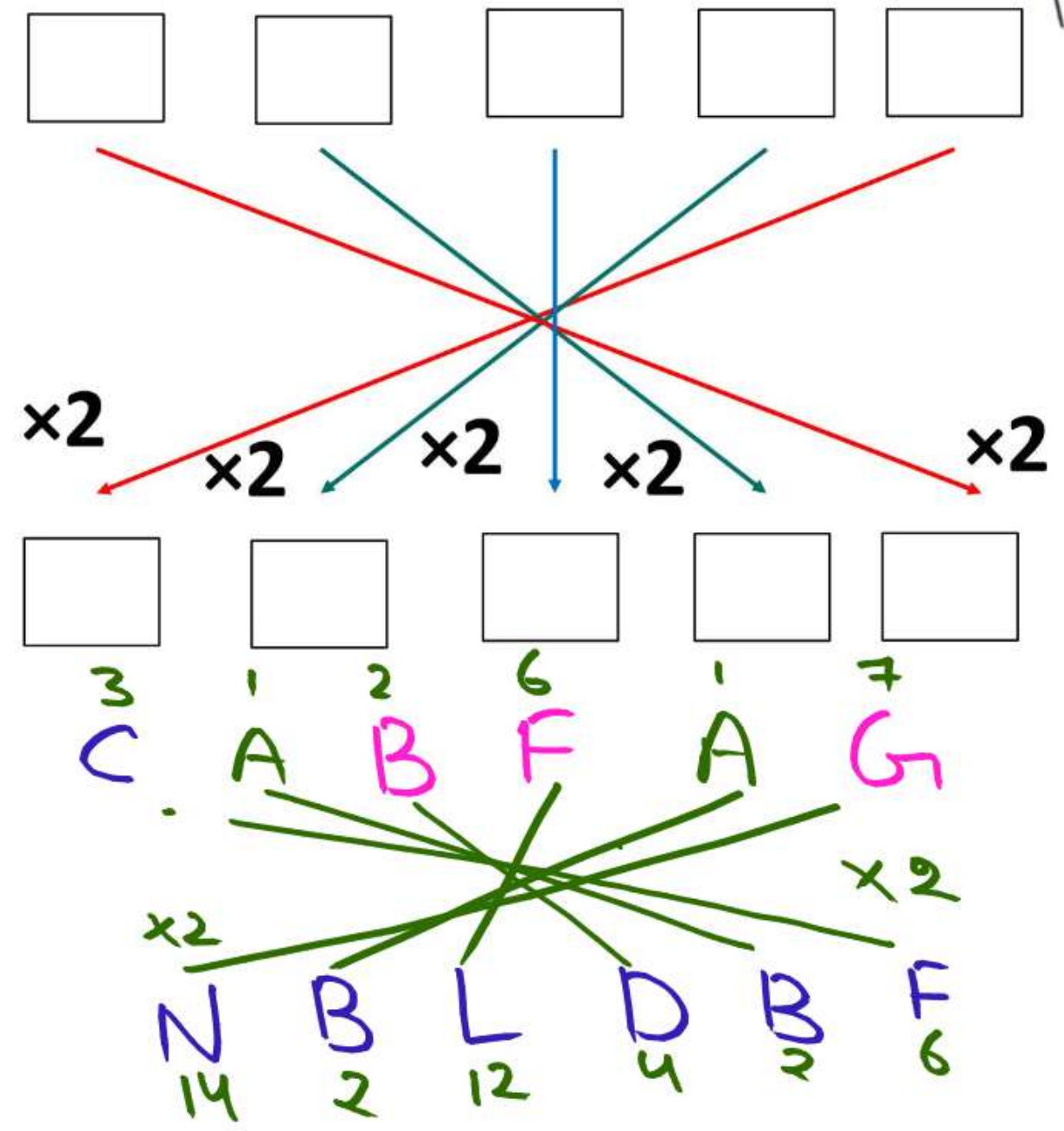
Series Alternative (Add+Subtraction)



Multiple Logic



²B ¹A ³C ⁶F ⁵E
 $\times 2 \mid +2$ $\mid \times 2$ $\mid \times 2$ $\mid \times 2$ $\mid \times 2$ ✓
⁴D ²B ⁶F ¹²L ¹⁰J



Digit Sum

M

4
13

(1+3=4)

D
4

K

2
11

(1+1=2)

B
2

P

7
16

(1+6=7)

G
7

U

3
21

(1+2=3)

C
3

C

3

C
3

→ Positions of alphabate

S
19 → 1+9=10

N
14 → 1+4=5

1



Vowel Order

A E I O U

1 2 3 4 5 ✓

5 4 3 2 1 ✓

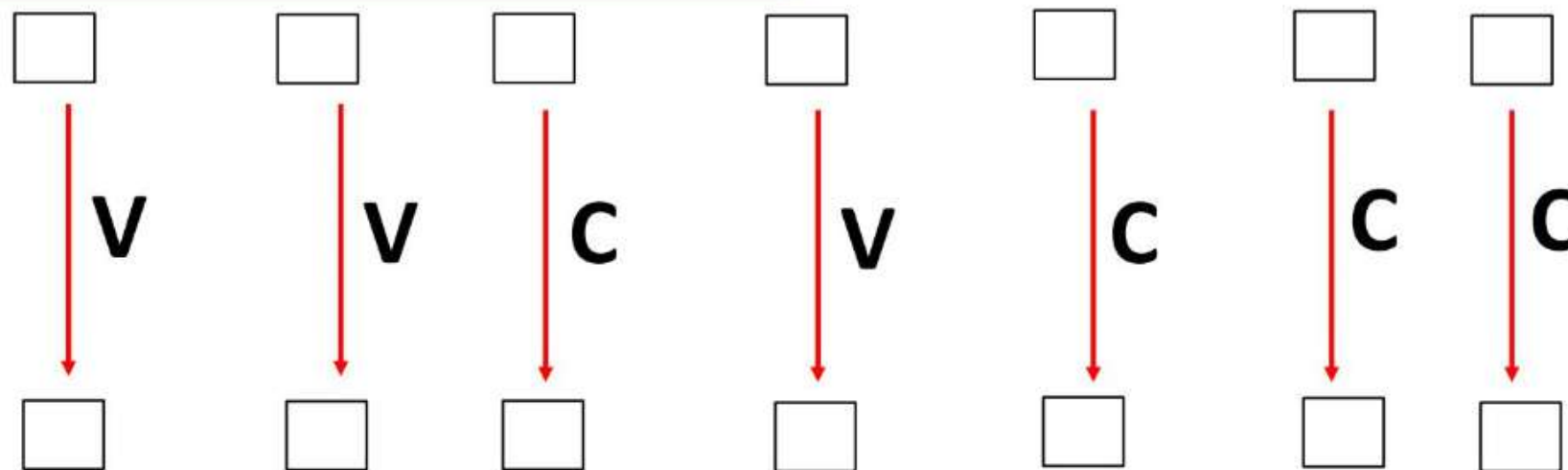
Consonant Order

B A T
1 1 20-4

B C D F G H J K L M N P Q R S T V W X Y Z
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

13-3
26-5

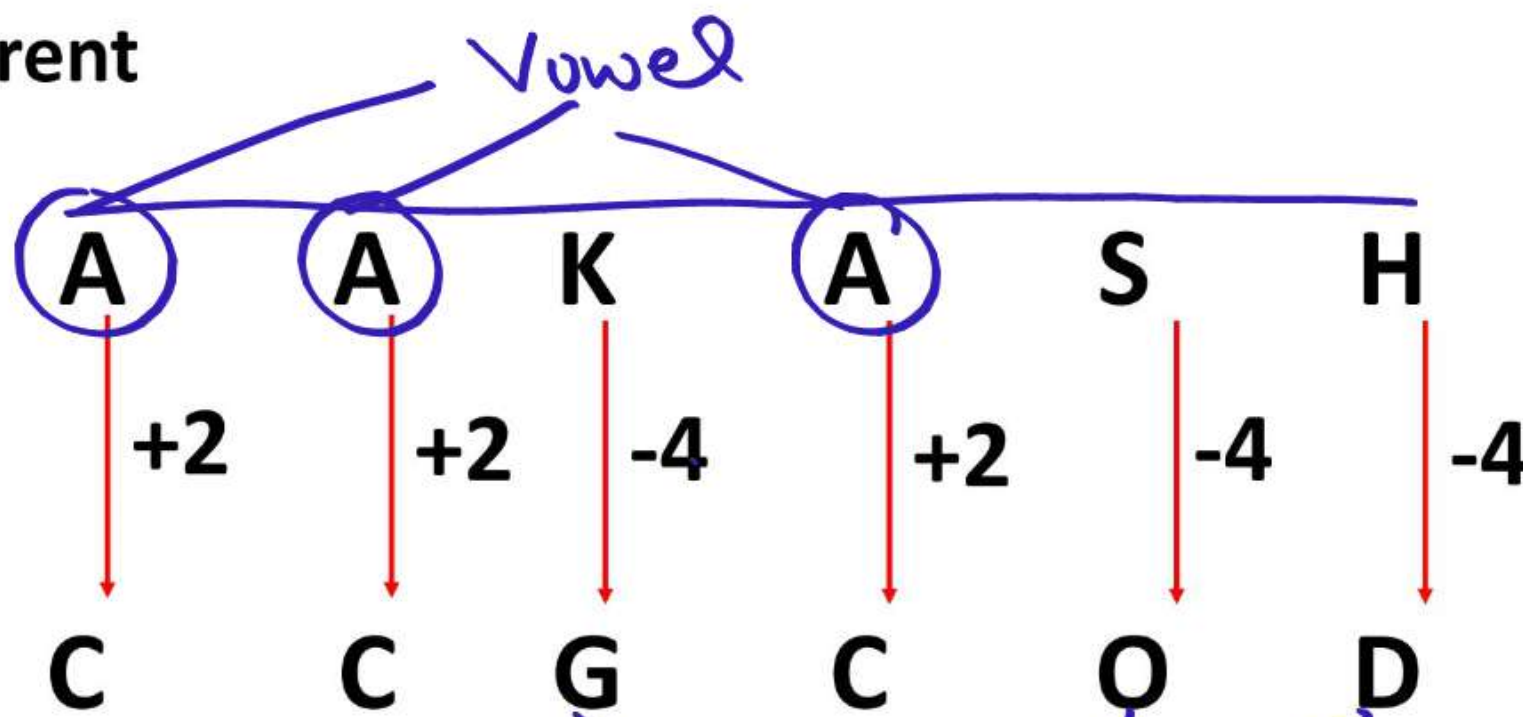
Vowel / Consonant



Vowel
Consonant

Both have Different
logic

Vowel $\rightarrow +2$
Consonant $\rightarrow -4$





digit Count के आधार पर Logic

Single Digit Alphabate

A → **I**
1 → 9

9 अक्षर

1st Logic

Double Digit Alphabate

J → **Z**
10 → 26

17 अक्षर

2nd Logic



DIGIT (SINGLE / Double Digit Sum)



ABCDEFGHI

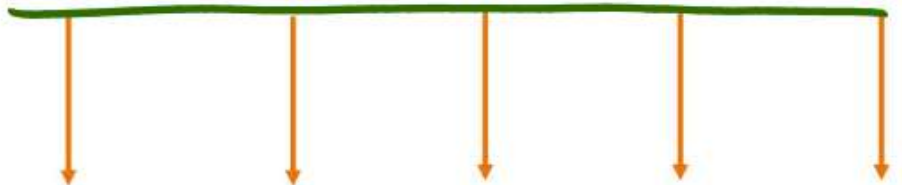
————→ **Single Digit Order**

[JKLMN OPQRS
TUVWXYZ

————→ **Double Digit Order**

Increasing Order
(बढ़ते क्रम में)

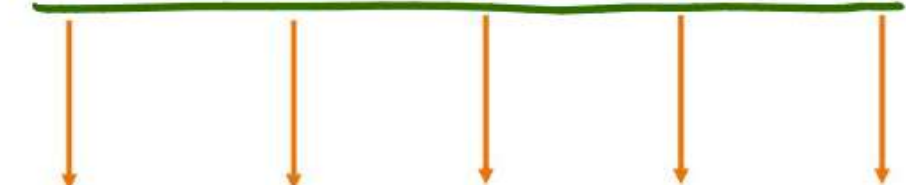
C A R O M
1 3 13 15 18
A C M O R



ऊपर लिखे तर्कों में से
कोई भी एक तर्क

Decreasing Order
(घटते क्रम में)

C A R O M
R O M C A



ऊपर लिखे तर्कों में से
कोई भी एक तर्क

opposite Letter than operation

**

P R A K S H

K I Z P H S

Logic - ऊपर लिखे logic
में से कोई भी एक logic

Digit Sum

A → I
1 9

ये सभी का क्रम 1 अंक में है।

J → Z
10 26

इसका क्रम 2 अंकों में है।



LOGIC (SQUARE/ CUBE MIX)



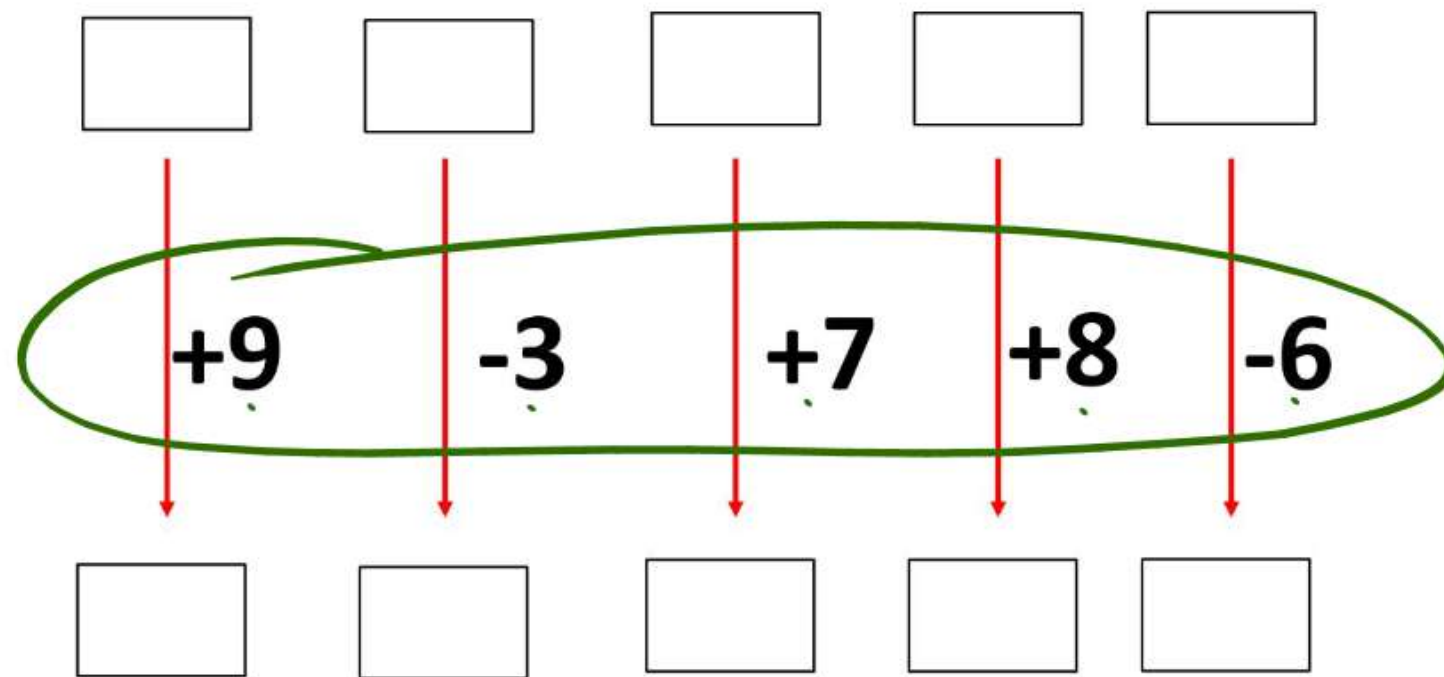
LOGIC (SQUARE)

A	B	E	D
1	2	5	4
↓	↓	↓	↓
A	D	Y	P
1	4	25	16

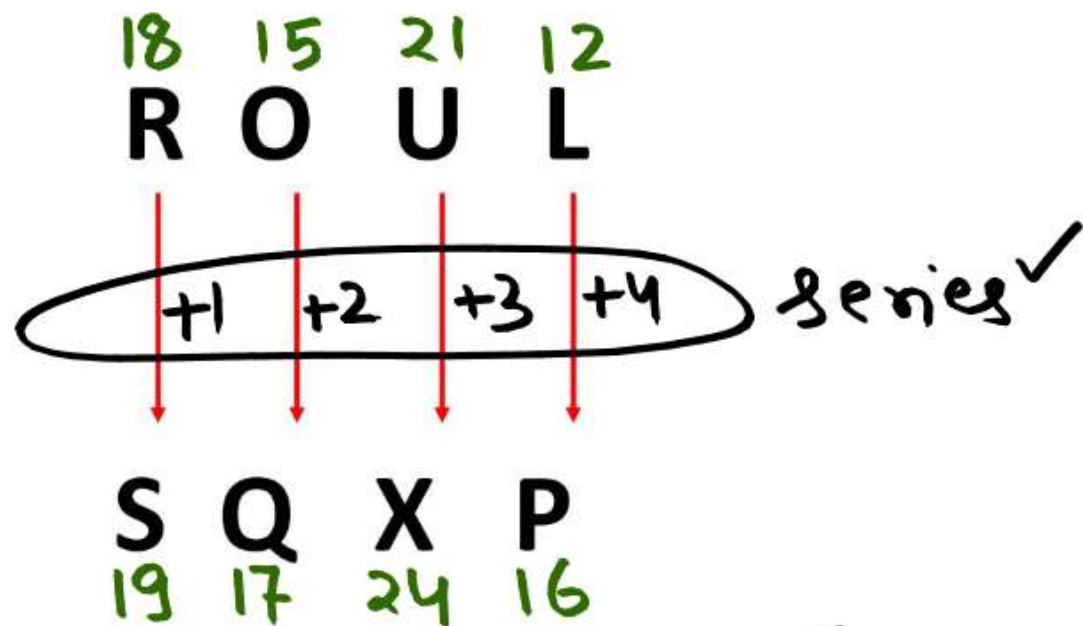
LOGIC (CUBE)

A	B	A	B
1	2	1	2
↓	↓	↓	↓
A	H	A	H
1	8	1	8

Random Logic

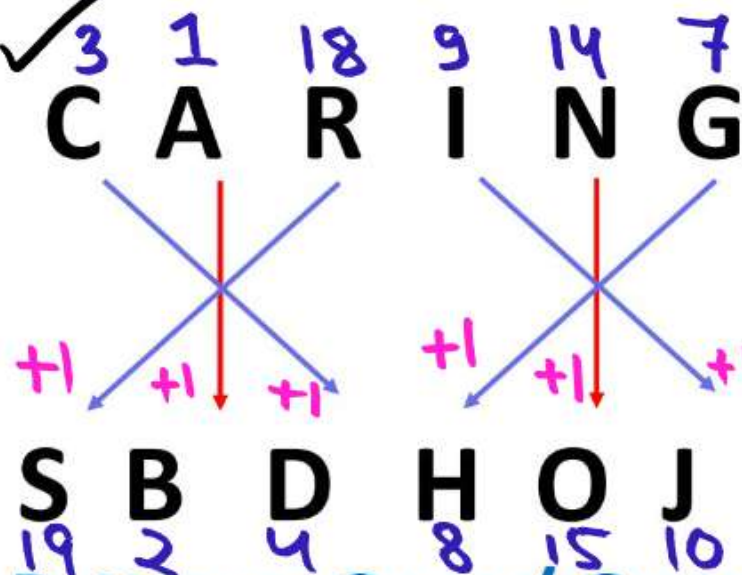


EXAMPLE :-



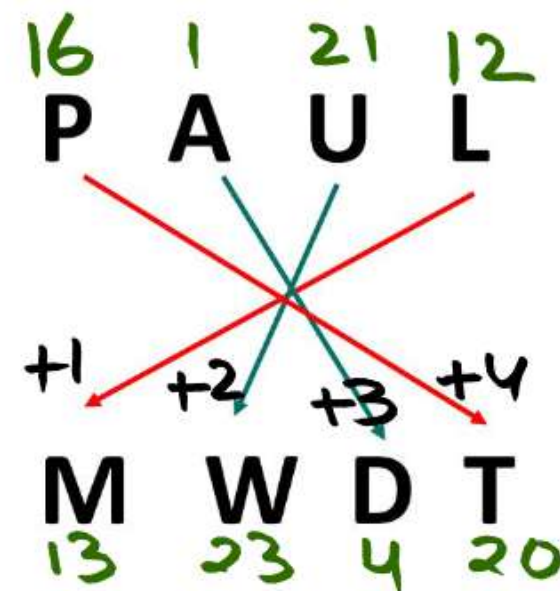
Pattern : First to First ✓

Logic- series addition ✓



Pattern : Cross/ Grouping ✓

Logic- ~~series~~ addition ✓



Pattern : First to Last ✓

Logic- series addition ✓

EXAMPLE :-

¹⁰J ¹A ⁹I ¹⁶P ²¹U ¹⁸R

↓ +2 ↓ +2 ↓ +2 ↓ +2 ↓ +2 ↓ +2

¹²L ³C ¹¹K ¹⁸R ²³W ²⁰T

Pattern : First to First ✓
Logic : Fixed Addition ✓

¹⁸R ¹A ¹¹K ⁵E ¹⁹S ⁸H

↘ ↙ ↘ ↙ ↘ ↙
-2 -2 -2 -2 -2 -2

⁶F ¹⁷Q ³C ⁴I ²⁵Y ¹⁶P

Pattern : First to Last ✓
Logic : Fixed Subtraction ✓

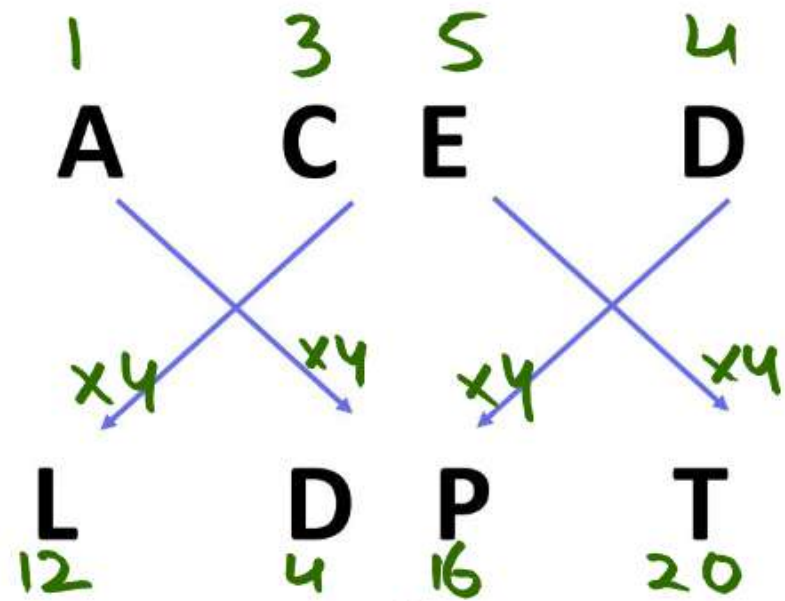
³R ¹A ⁸H ²¹U ¹²L

↘ ↙ ↘ ↙
+1 +1 +1 +1

²B ¹⁹S ⁹I ¹³M ²²V

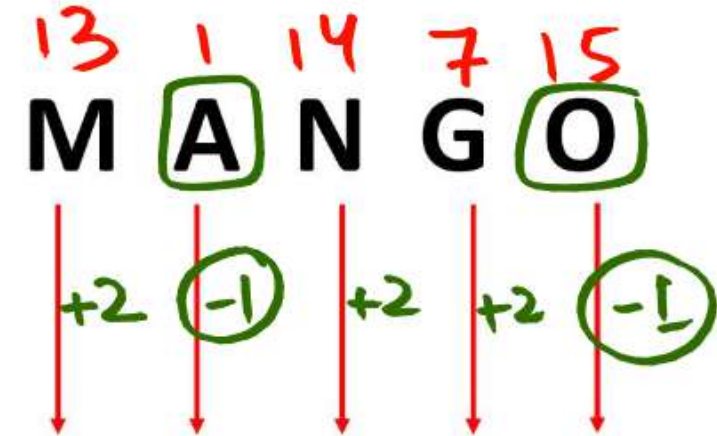
Pattern : Cross Coding
Logic : Fixed Addition ✓

EXAMPLE :-



Pattern : Cross/ Grouping Coding ✓

Logic : Multiplication ✓ (x4)



Pattern : First to Last ✓

Logic :

Vowel = -1 ✓

Consonant = +2 ✓

3	8	1	18
C	H	A	R
↓	↓	↓	↓
X	S	Z	I
24	19	26	9

Up-down

pattern: - First to first

Logic → opposite



Practice Questions ✓



1. In a certain code language, 'RETAIL' is written as 'FNQWJY' and 'POLICE' is written as 'NHJUTQ'. How will 'HARBOR' be written in that language?

एक निश्चित कूट भाषा में, 'RETAIL' को 'FNQWJY' और 'POLICE' को 'NHJUTQ' लिखा जाता है। उसी भाषा में 'HARBOR' को कैसे लिखा जाएगा?

18 5 20 1 9 12
R E T A I L
+5 +5 +5 +5 +5 +5
F N Q W J Y
6 14 17 23 10 25

W J Y F N Q

[A] GTWMFW

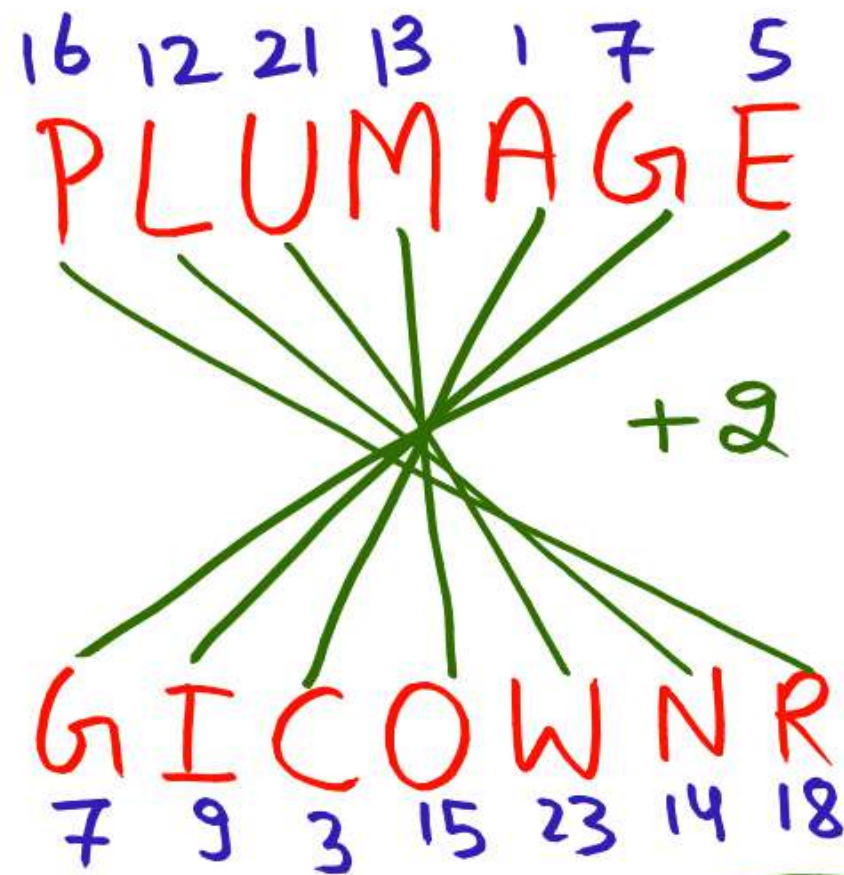
[B] GTMWWF

[C] GTMWWF

[D] GTWMWF

H A R B O R
G J W M F W

2. In a code language, 'PLUMAGE' is written as 'GICOWNR' and 'CRUSH' is written as 'JUWTE'. How will 'TRIBAL' be written in that language?
- एक कूट भाषा में, 'PLUMAGE' को 'GICOWNR' और 'CRUSH' को 'JUWTE' लिखा जाता है। उस भाषा में, 'TRIBAL' कैसे लिखा जाएगा?



First to Last
Logic +2

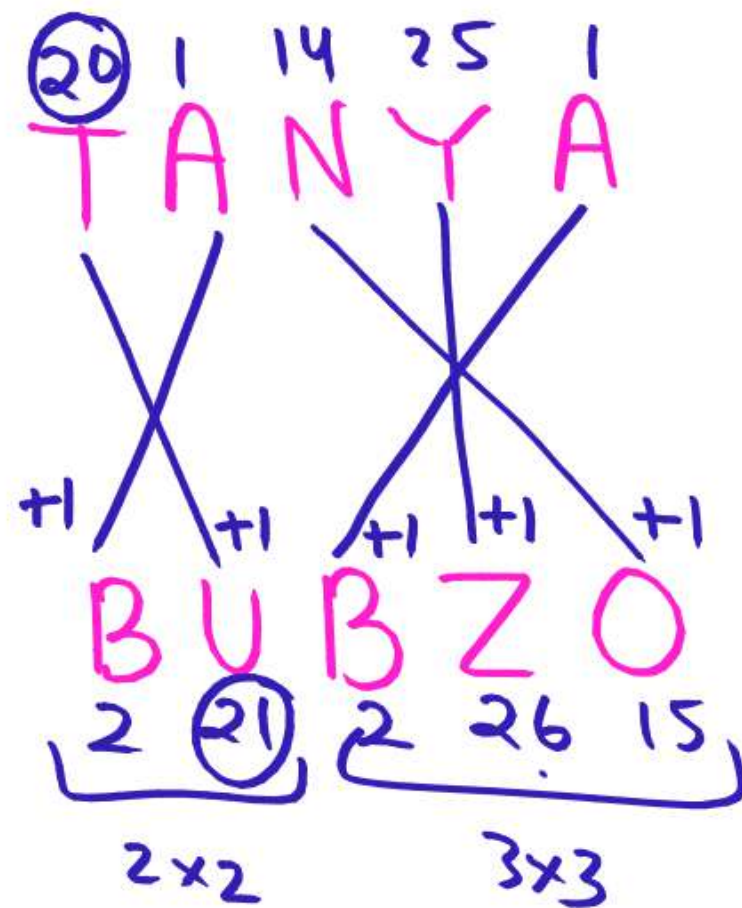
[A] NCDJTV
[C] NCBJTV

[B] NCBKTV
[D] NCDKTV



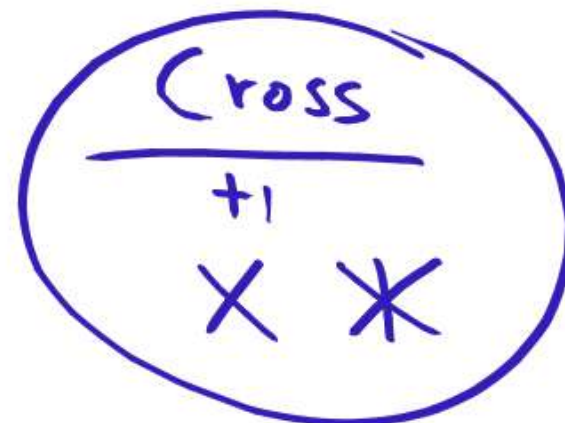
3. In a code language, 'TANYA' is coded as BUBZO and 'RAHUL' is coded as BSMVI. How will 'MOHIT' be coded in the same language?

एक कोड भाषा में, 'TANYA' को BUBZO के रूप में कोड किया जाता है और 'RAHUL' को BSMVI के रूप में कोड किया जाता है। तो 'मोहित' किस भाषा में कोडित किया जाएगा?



[A] PNUJI
[C] QNUJI

[B] PMUKI
[D] PNUIJ



4. In a certain code language, 'MERCHANT' is written as 'NFSCHCPV' and 'INTERIOR' is written as 'JOUERKQT'. How will 'JUNCTION' be written in that language?

M	E	R	C	H	A	N	T
13	5	18	3	8	1	14	20
+1	+1	+1			+2	+2	+2
N	F	S	C	H	C	P	V
14	6	19	3	8	3	16	22

एक निश्चित कूट भाषा में, 'MERCHANT' को 'NFSCHCPV' और 'INTERIOR' को 'JOUERKQT' लिखा जाता है। उस भाषा में 'JUNCTION' कैसे लिखा जाएगा?

KVOCTKQP

[A] KVOCTKQP
[C] KVOCTJPO

[B] KVOCTKPQ
[D] KVOCTJQP

Section-wise

---	-	---
+1	+0	+2

5. In a certain code language, 'GATE' will be written as 'JOFB' and 'MILK' will be written in that language?

एक निश्चित कूट भाषा में 'GATE' को 'JOFB' तथा 'MILK' को किस भाषा में लिखा जाए?

[A] PNGH

[C] OFMG

☒ [B] PGNH

[D] OMFG

