

कोडिंग-डिकोडिंग

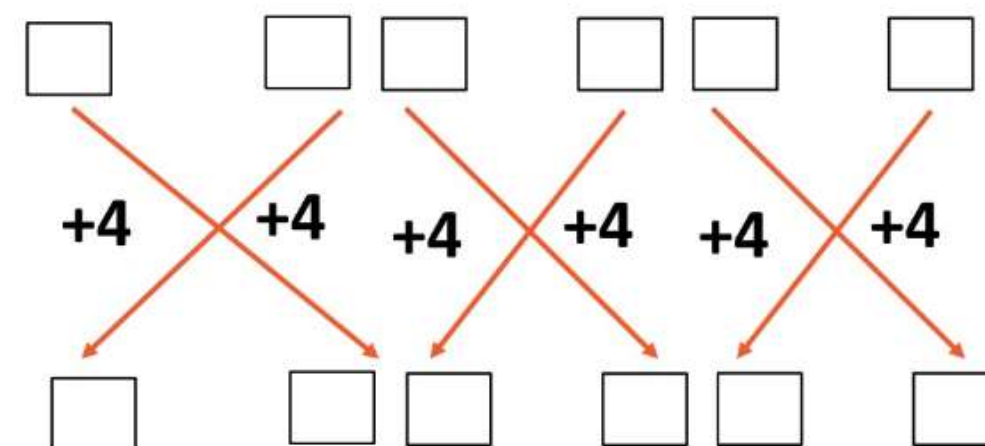
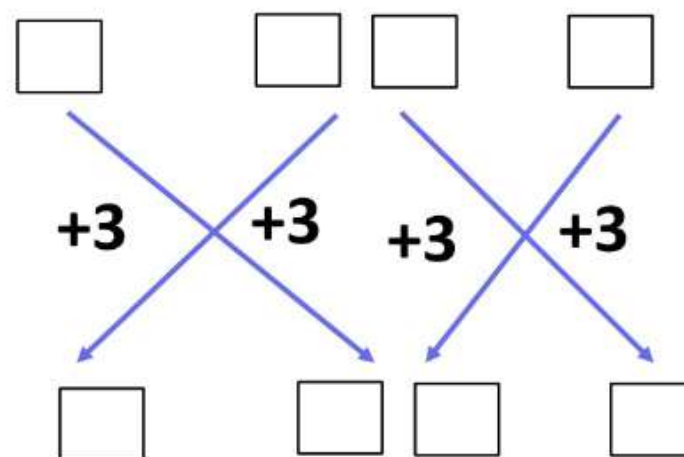
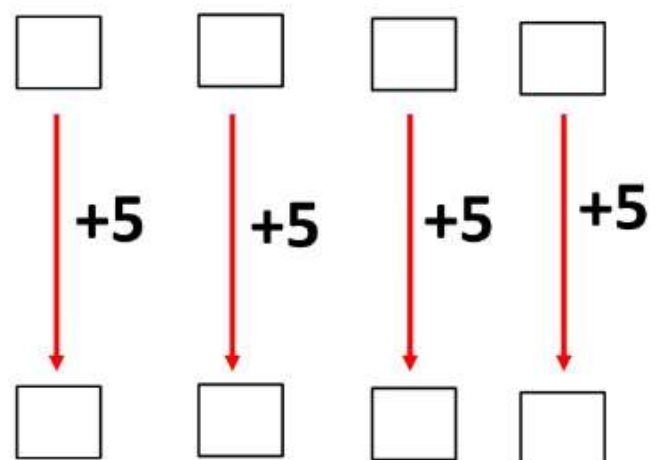
Coding-Decoding



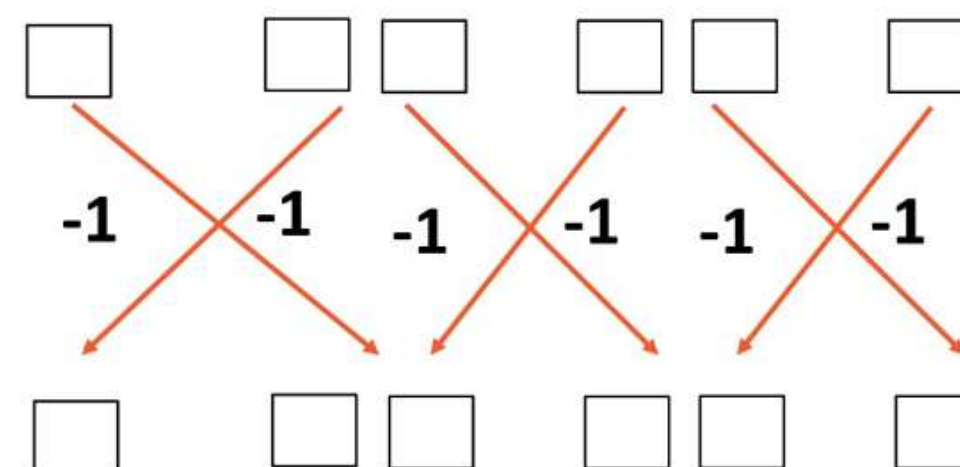
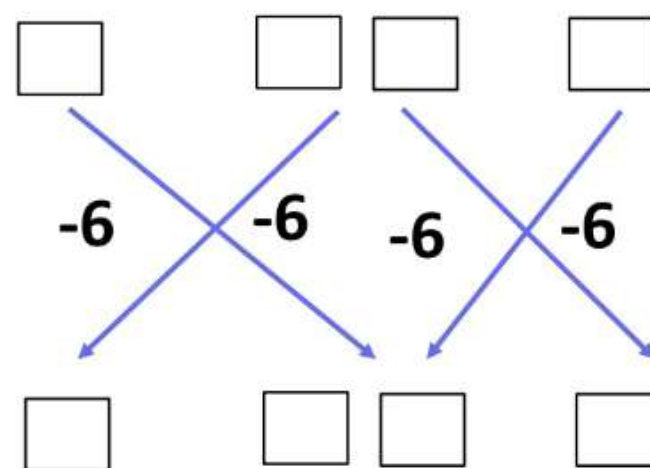
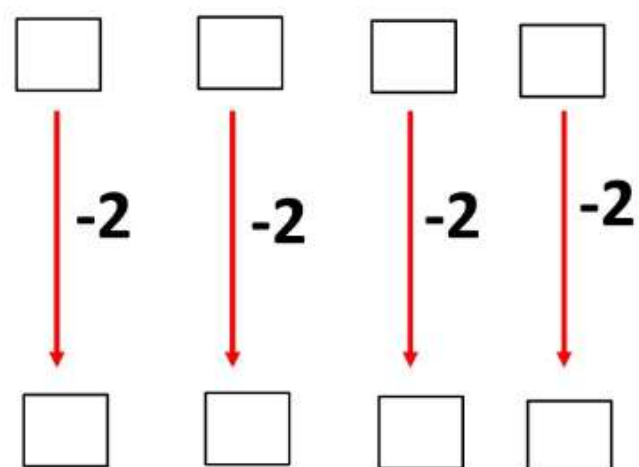
Logics of coding - decoding



Fixed Addition



Fixed Subtraction



If "LINCOLN" is written as "JGLAMJL", how will "OBAMA" be written?

यदि "LINCOLN" को "JGLAMJL" के रूप में लिखा जाता है, तो "OBAMA" कैसे लिखा जाएगा?

A. MZYKY

B. NZXIZ

C. MBZIY

D. NZXIZ

SSC - CGL - PRE - 2025 (24 SEP 2025 SHIFT-3)

If HARMONY is coded as KDUPRQB, then what would BALANCE be?

अगर HARMONY को KDUPRQB के रूप में कोड किया जाता है, तो BALANCE को कैसे कोड किया जाएगा?

A) EDODQFH

B) EDLDQFH

C) EDLDQGI

D) EDFDRFH

**SSC CHSL TIER-1, Exam 2025,
13 Nov 2025 01:30 PM (Shift-2)**

In a code language, GARDENING becomes LFWIJSNSL. How would FLOWERBED be written?

एक कोड भाषा में, GARDENING को LFWIJSNSL लिखा जाता है। FLOWERBED को कैसे लिखा जाएगा?

A) KQTBJWGJI

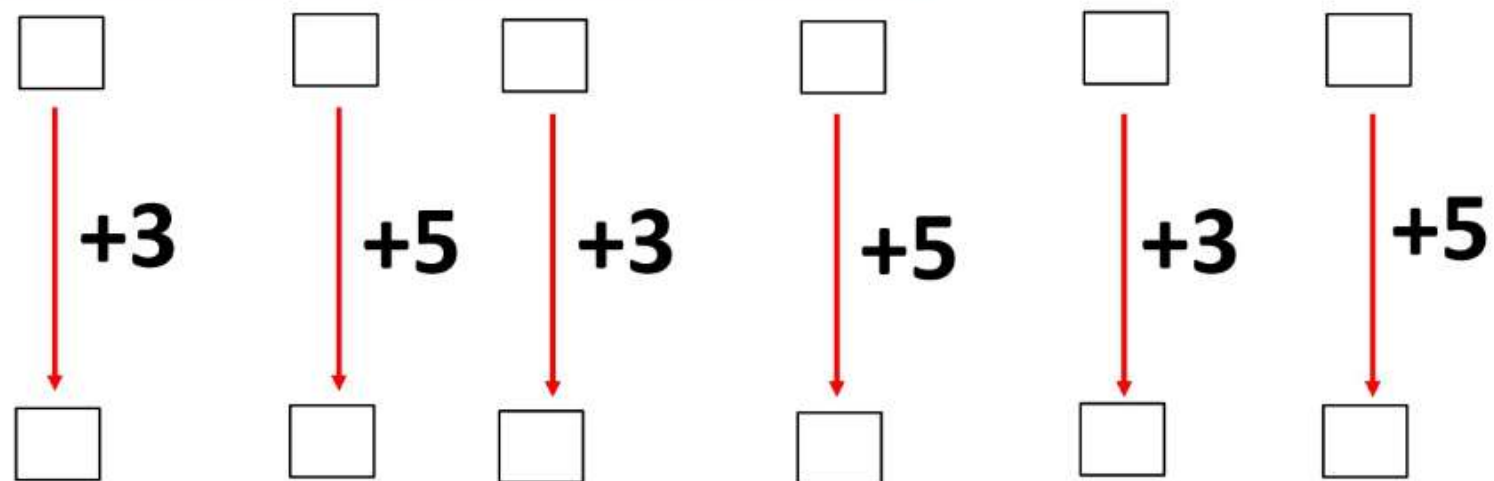
B) KQTCJXGJI

C) KQTBJXGJI

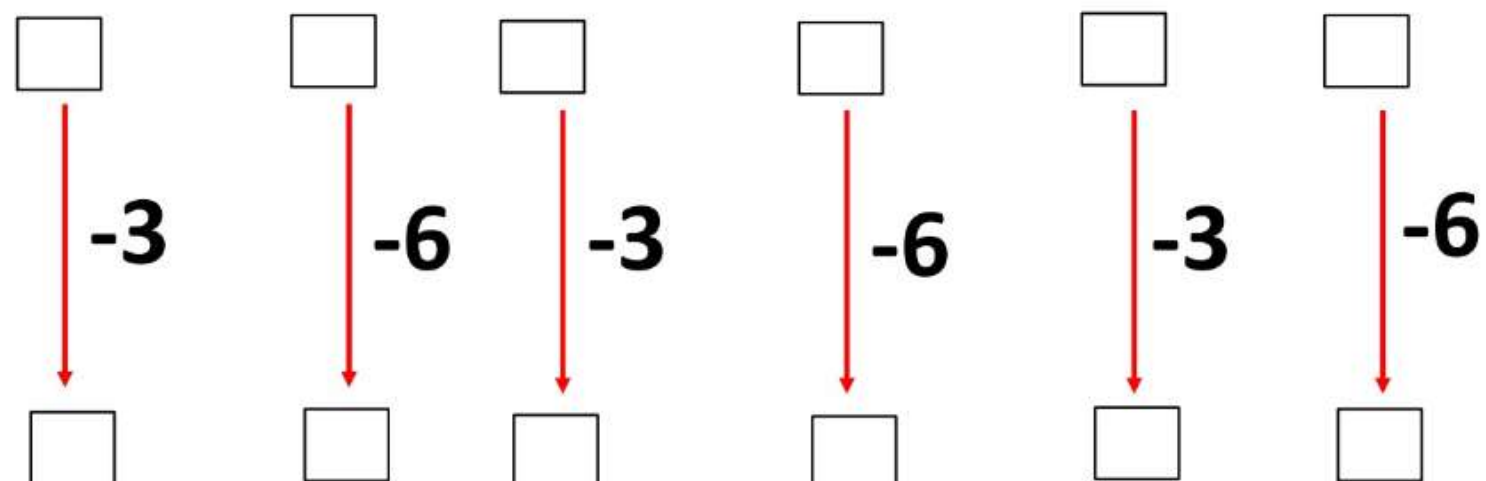
D) KQTBJGWJI

**SSC CHSL TIER-1, Exam 2025,
12 Nov 2025 01:30 PM (Shift-2)**

Alternate Addition

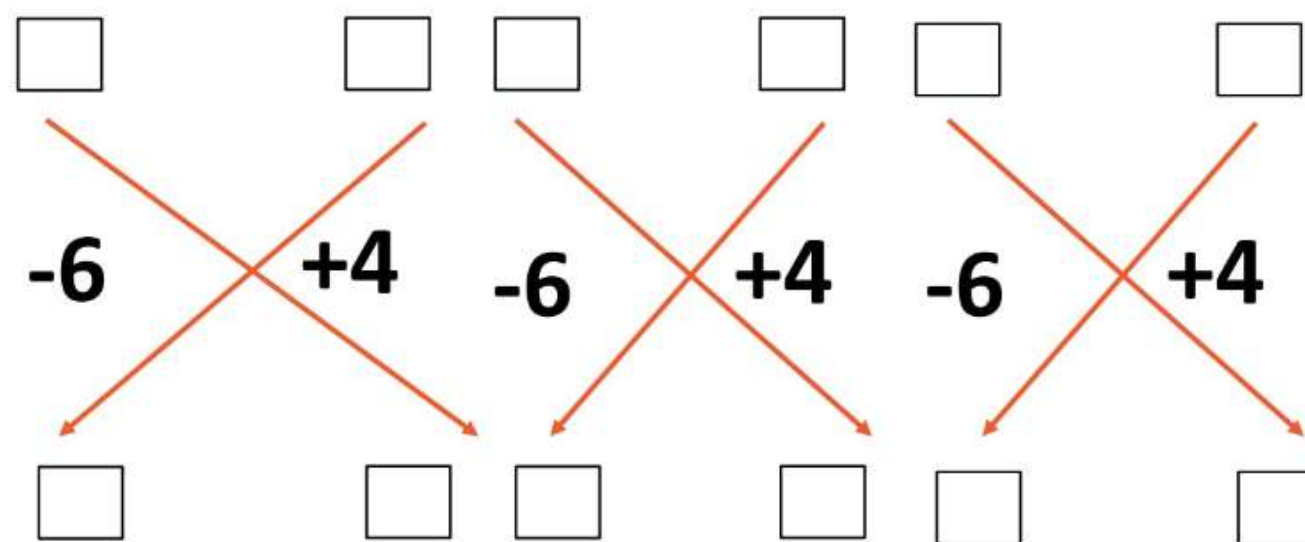
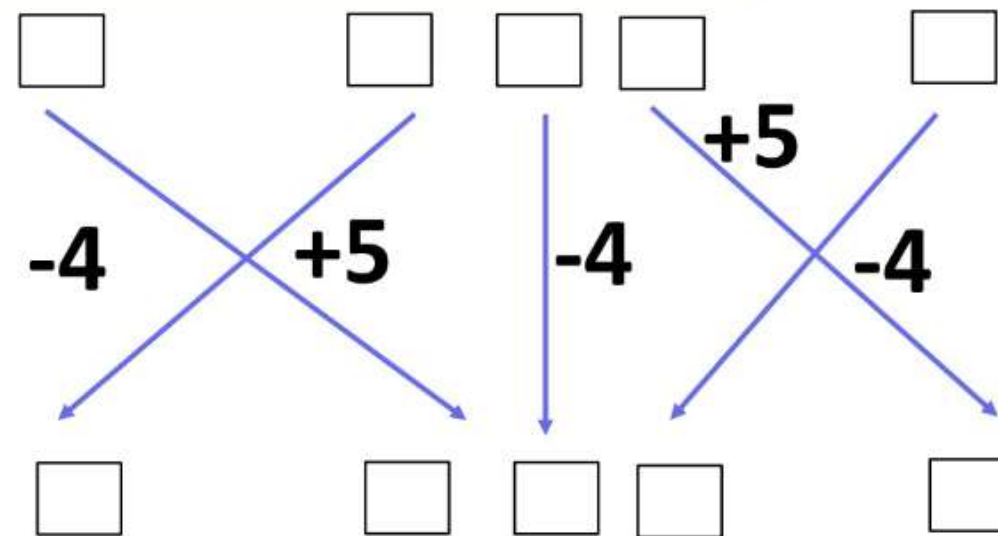
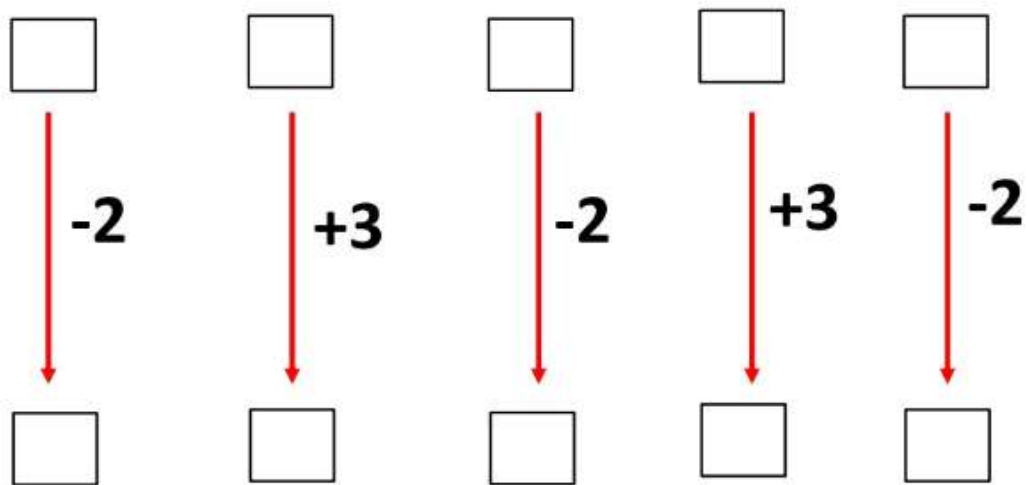


👉 Alternate Subtraction





Alternate Addition/ Subtraction



Example

19 8 1 13 1
S H A M A
| +2 | +4 | +2 | +4 | +2
U L C Q C
21 12 3 17 3

19 8 18 5 25 1
S H R E Y A
| +2 | +4 | +2 | +4 | +2 | +4
U L T I A E ✓

2
Y +2 A
25 -24 1



Opposite Logic



Opp.



Opp.



Opp.



Opp.

Ex)

M A H A K
↓ ↓ ↓ ↓ ↓
N Z S Z P

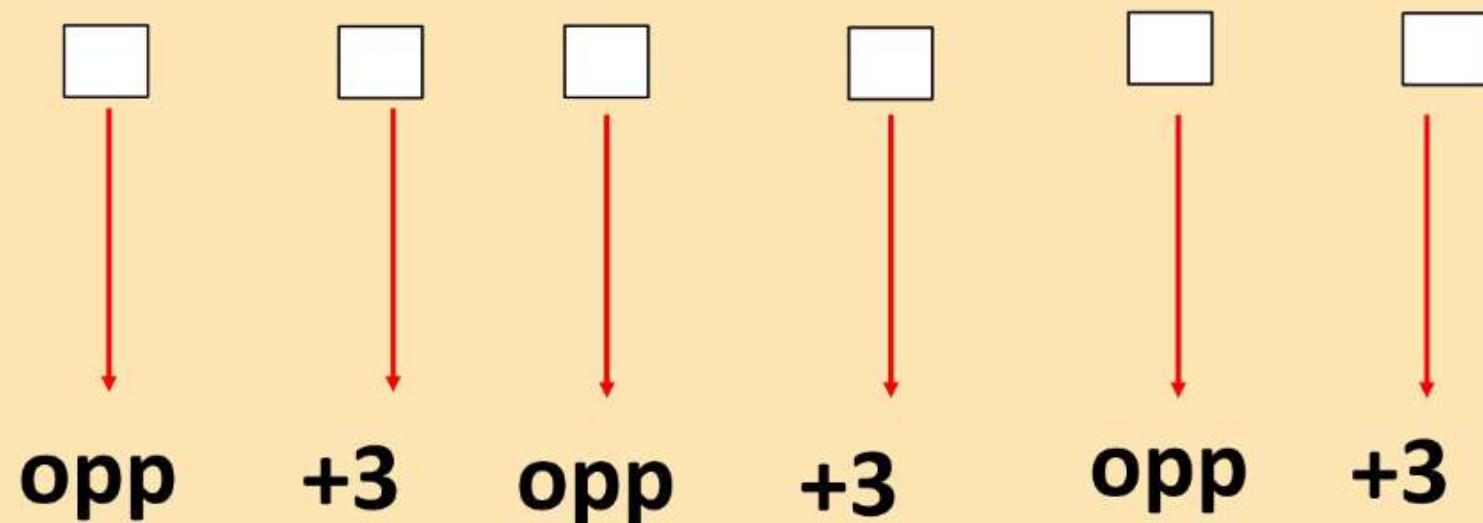
V I P U L
| | | | |
E R K F O

Alphabet		Opposite
A	↪	Z
B	↪	Y
C	↪	X
D	↪	W
E	↪	V
F	↪	U
G	↪	T
H	↪	S
I	↪	R
J	↪	Q
K	↪	P
L	↪	O
M	↪	N

LOVE

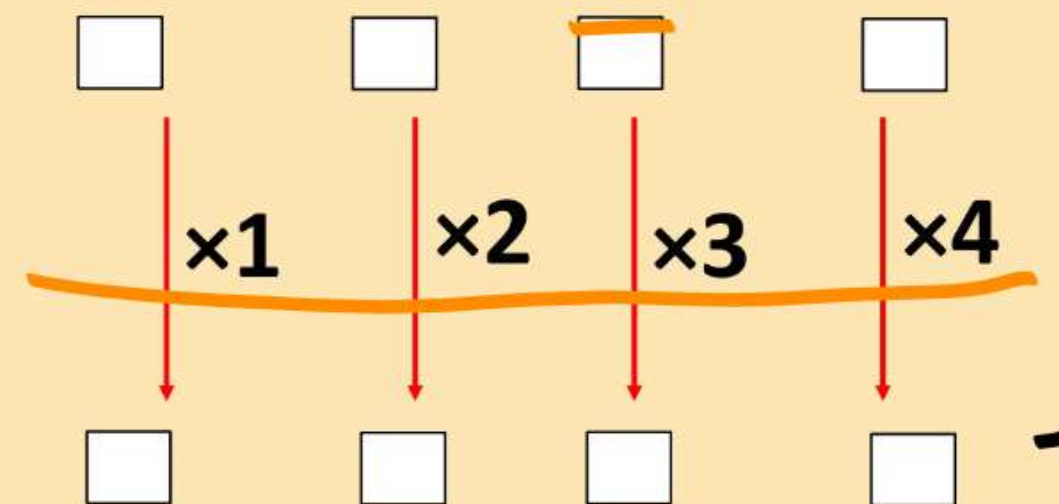
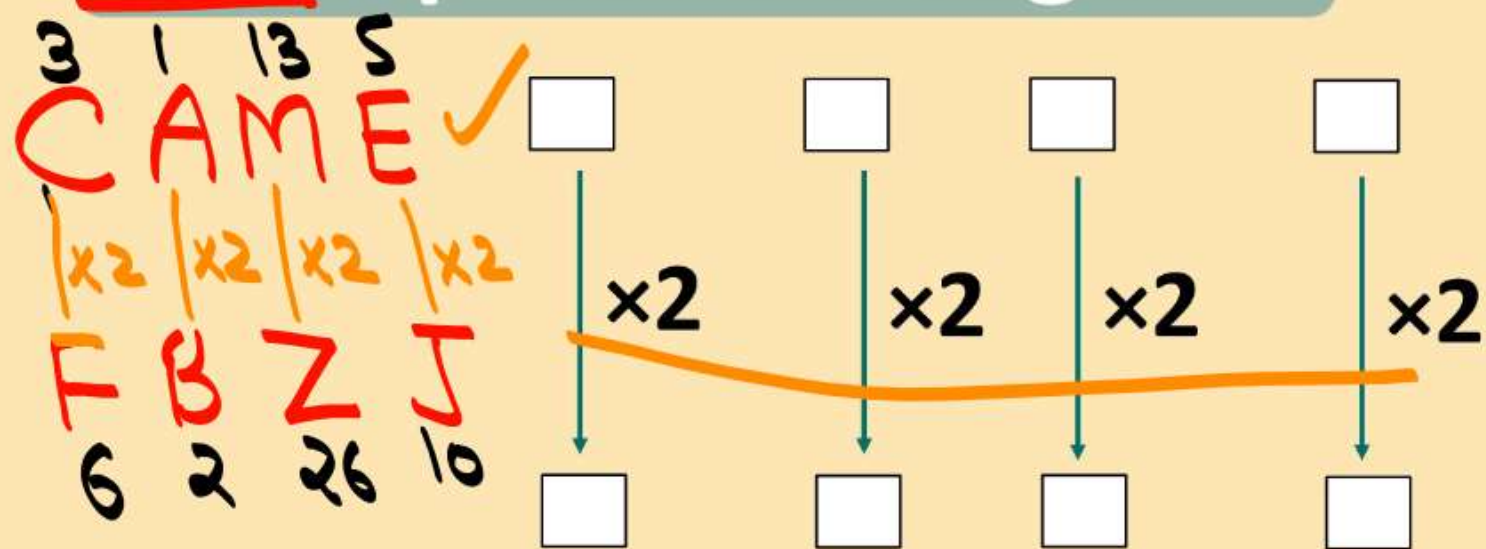


Mix with Opposite

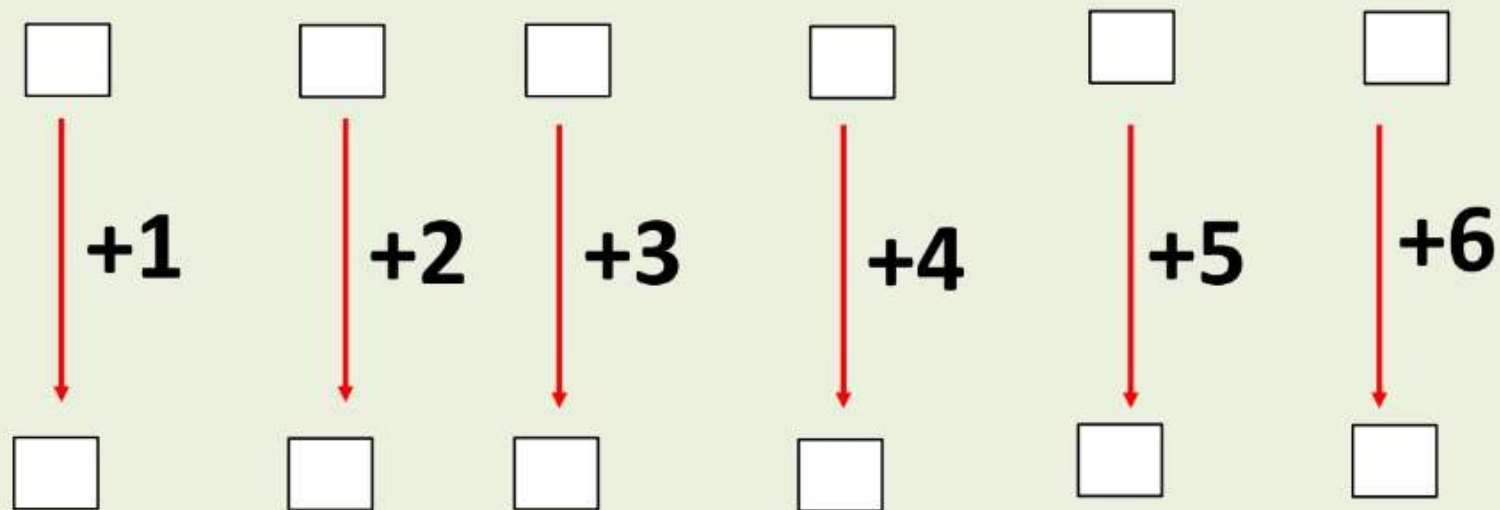


25 15 7 5 19 8
 Y O G E S H
 +4 opp +4 opp +4 opp
 C L K V W S
 3 12 11 22 23 19

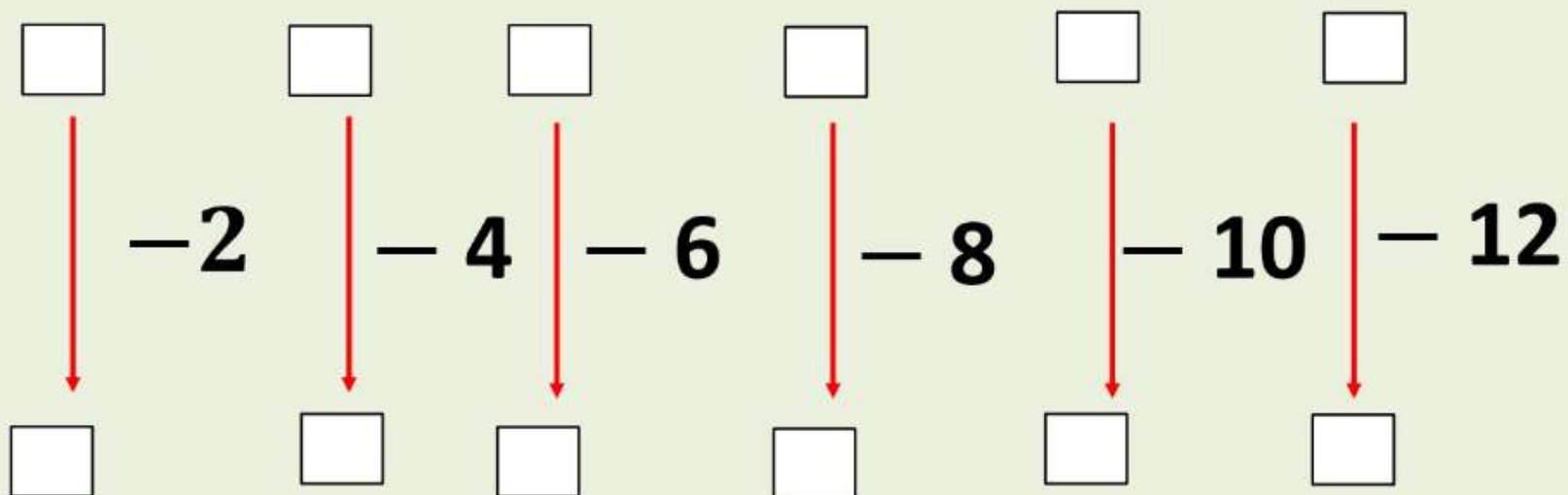
Multiplication Logic



Series Addition



Series Subtraction

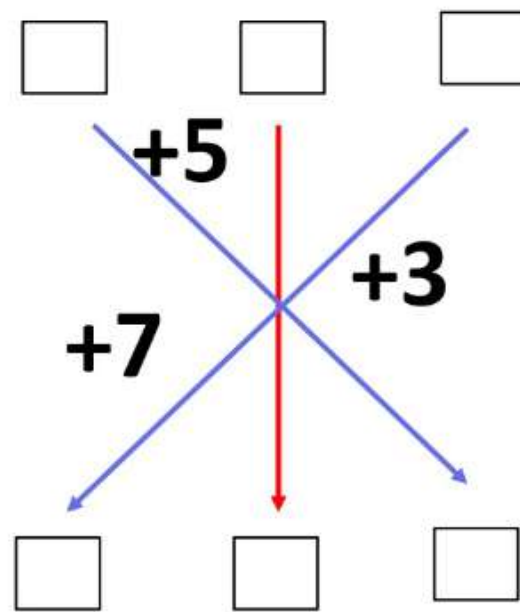
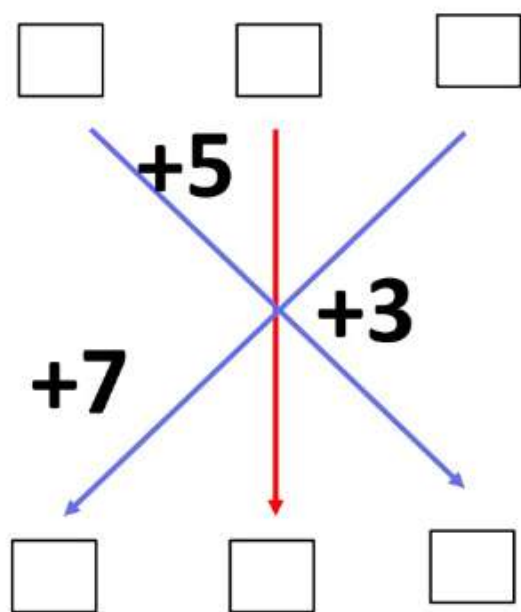
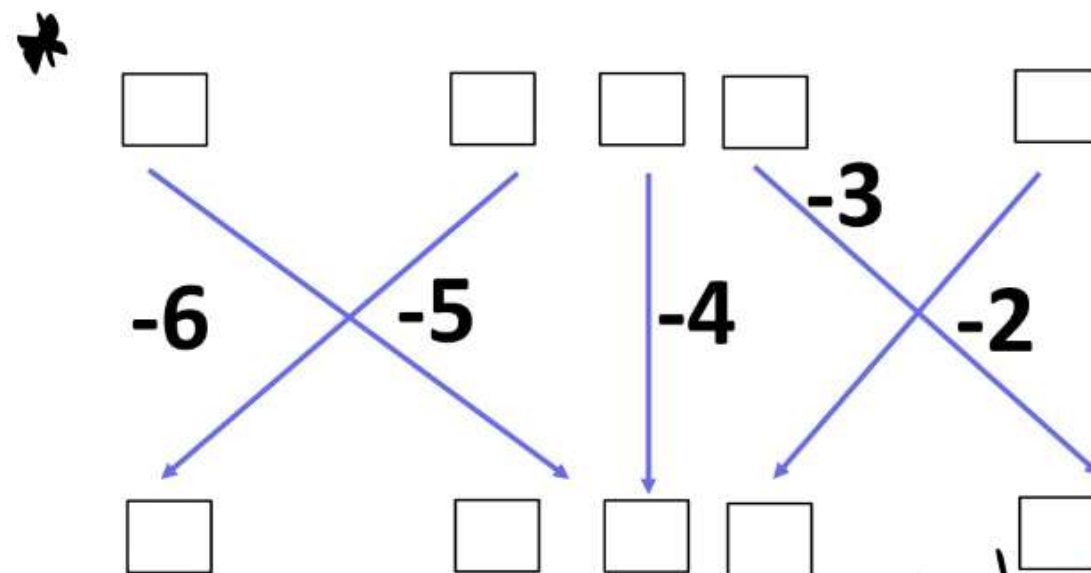
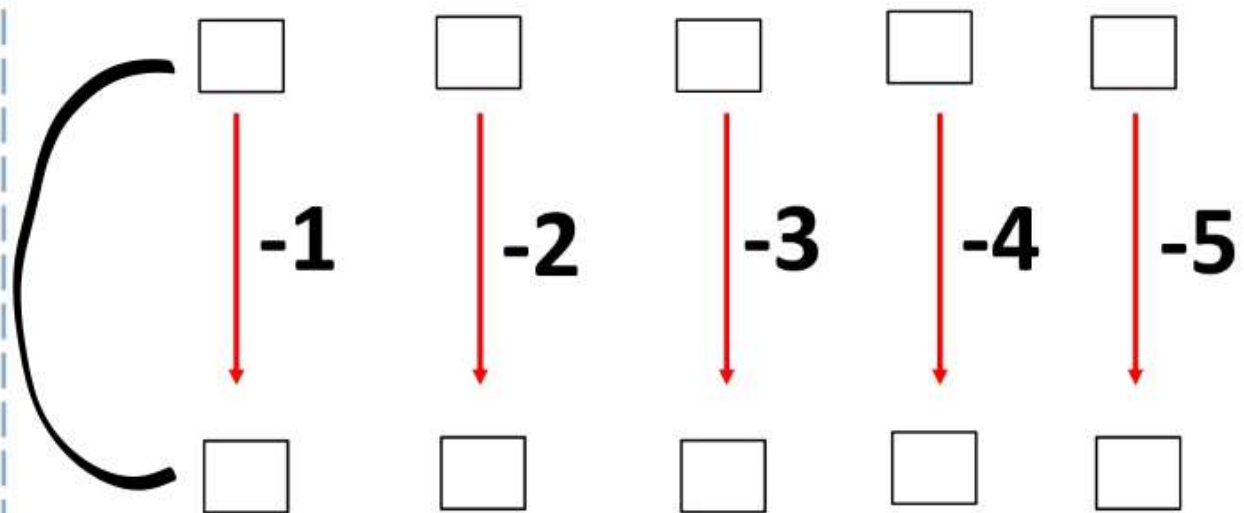


21 20 11 1 12
U T K A L
| +2 | +3 | +5 | +7 | +11 ✓
W W P H W
23 23 16 8 23



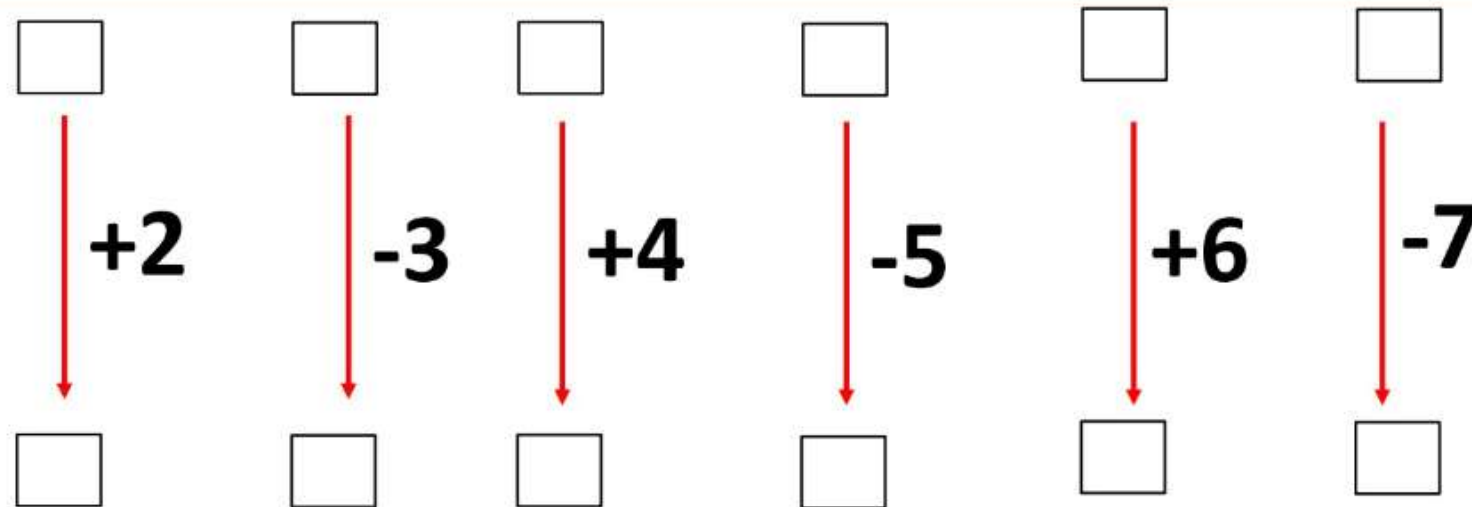
V A N S H
| +2 | +3 | +5 | +7 | +11
X D S Z S

✓ SERIES ✓



K	H	U	S	H	I
11	8	21	19	8	10
S	E	G	G	E	O
19	5	7	7	5	15

Series Alternative (Add+Subtraction)



Example

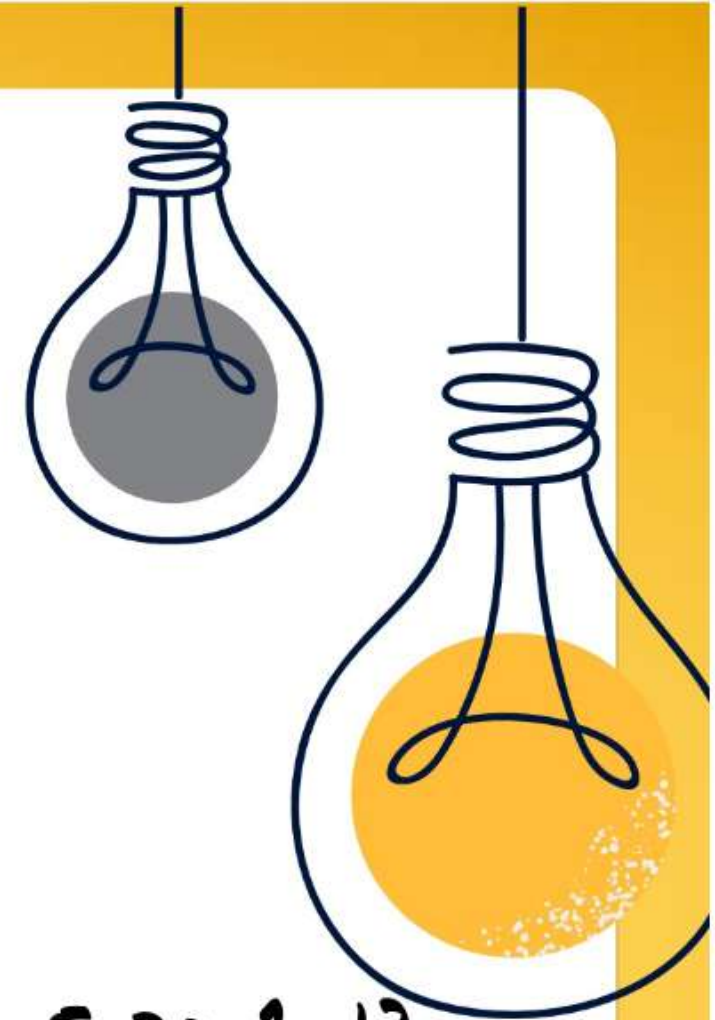
Handwritten example of the series:

14	1	14	4	9	14	10
N	A	N	D	I	N	I
+8	+19	+6	-5	+4	-3	+2
V	T	T	Y	M	K	K
22	20	20	25	13	11	12

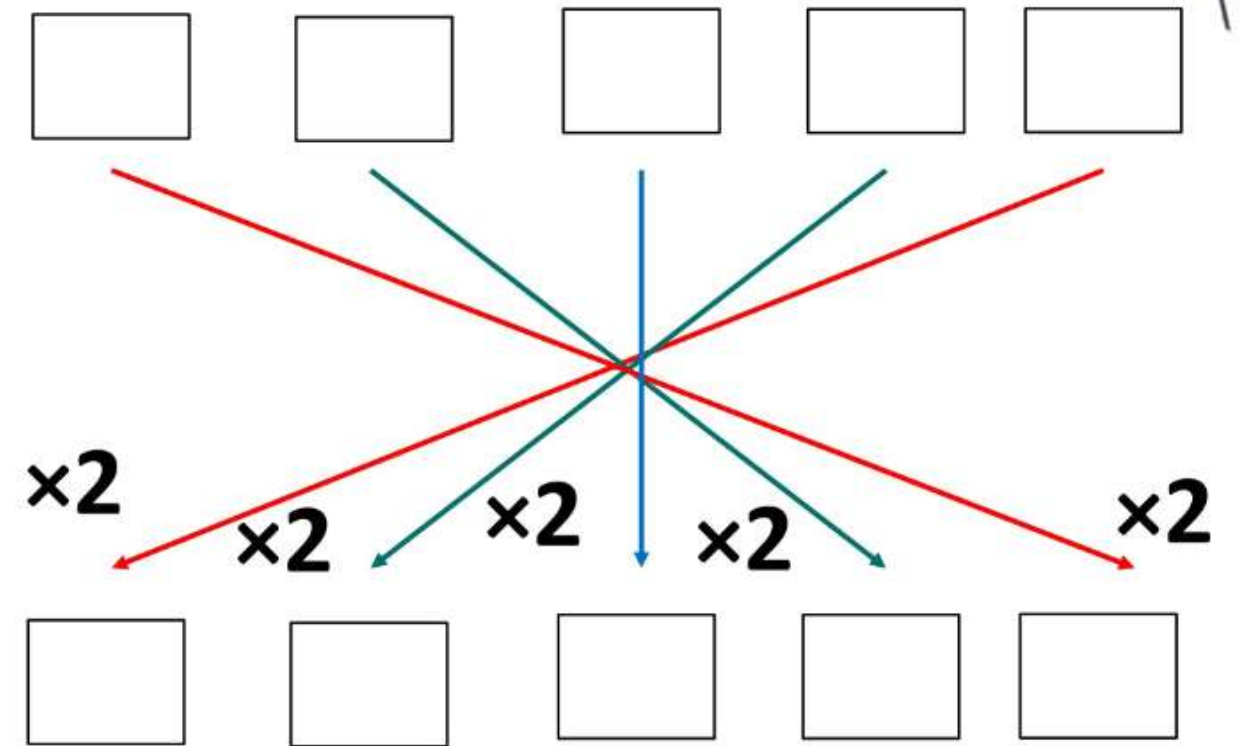
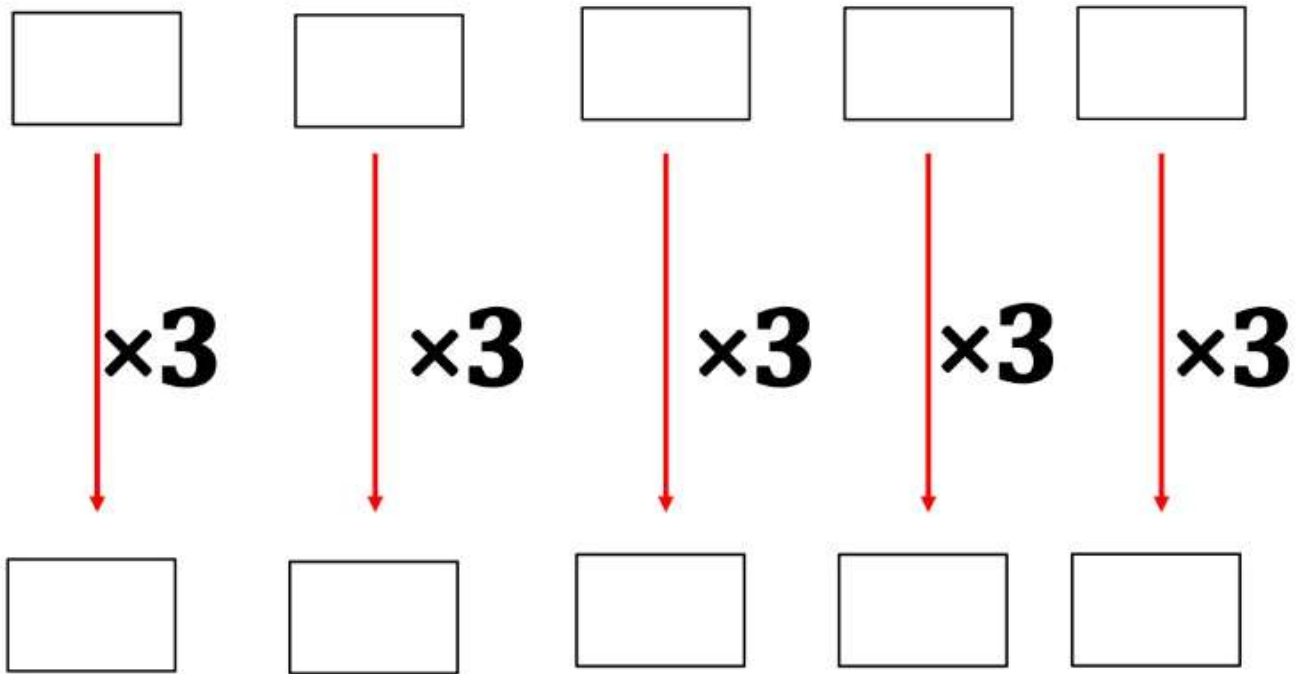
Handwritten word and sequence:

SHEETAL

A A K Z x x N



Multiple Logic



Digit Sum (अंकीय योग)

M	K	P	U	C
↓	↓	↓	↓	↓
13	11	16	21	3
(1+3=4)	(1+1=2)	(1+6=7)	(1+2=3)	(3)

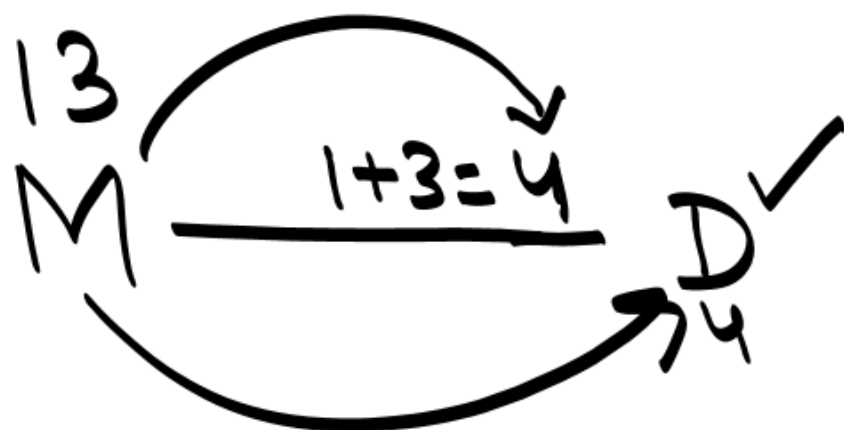
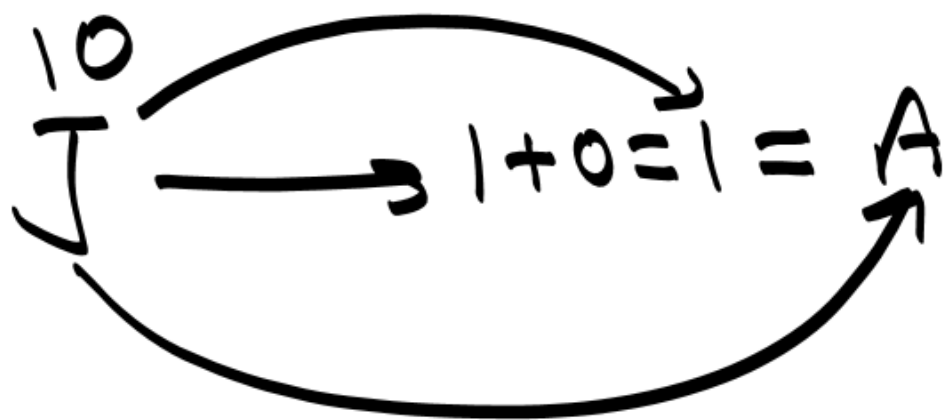
↓	↓	↓	↓	↓
4	2	7	3	3
D	B	G	C	C

1 0 2 1 5 10 8 1
A K A N S H A

A H U E A B A

Positions of alphabate

~~2 1 5 1 5 10 8 1~~
~~U U U B H U I~~



Vowel Order

स्वर क्रम

A E I O U

1 2 3 4 5

5 4 3 2 1

✓ Consonant Order

व्यंजन

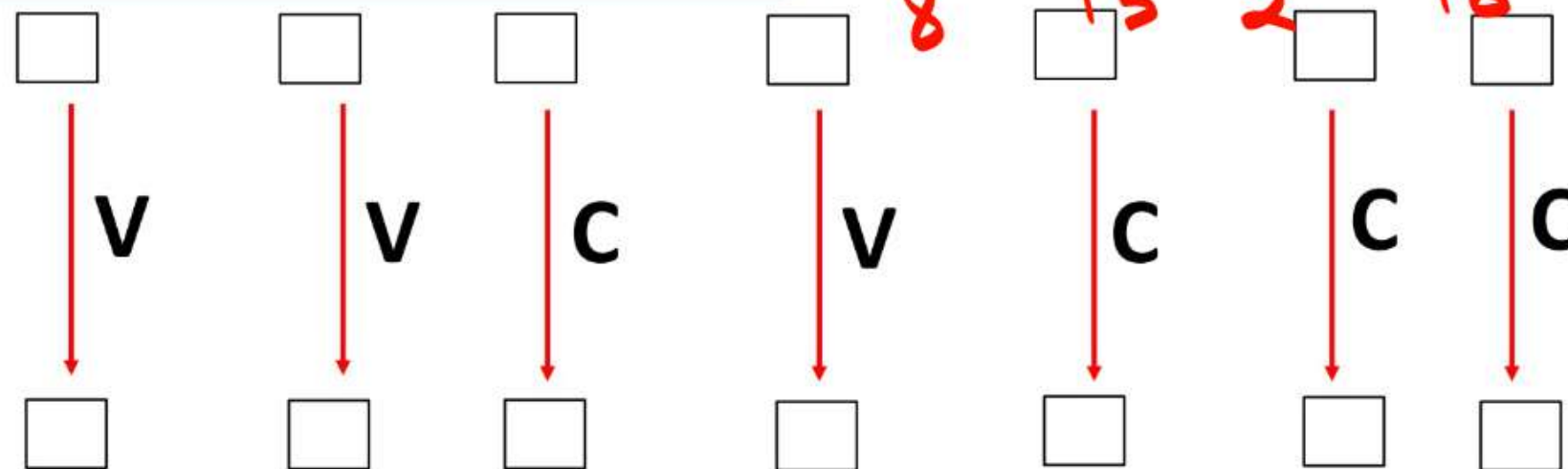
B C D F G H J K L M N P Q R S T V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

P R I T A M

12 14 3 16 1 10

Vowel / Consonant



Handwritten numbers and letters above the boxes:

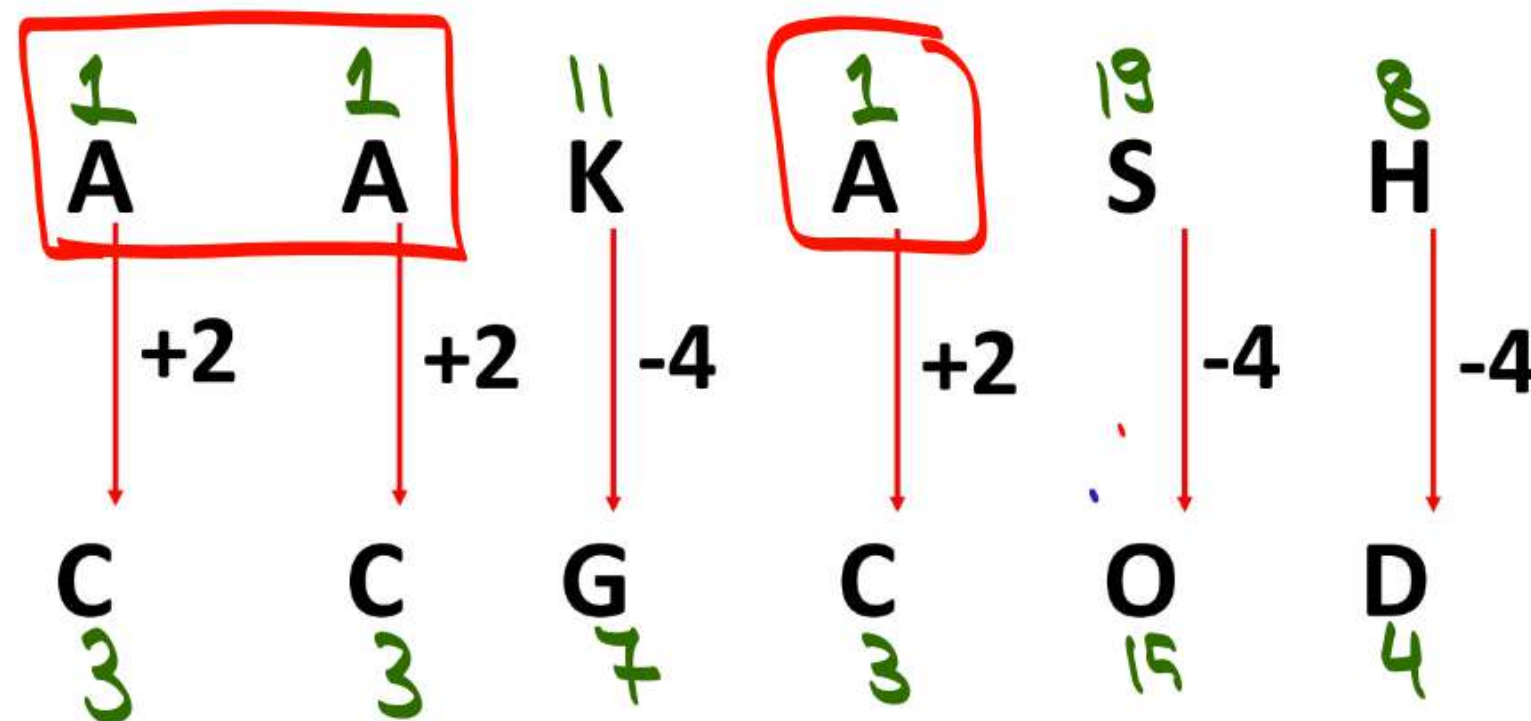
- Column 1: H (8), I (+5), U (3)
- Column 2: M (13), I (+5), I (8)
- Column 3: B (2), A (+1), A (13)
- Column 4: R (18), A (+1), M (13)
- Column 5: B (2), A (+1), A (13)
- Column 6: S (19), I (+5), Z (14)

Handwritten word: **B I S W A I I T**
 Below it: I G Z D Y Q G A
 Handwritten numbers below the word: +7, -2, +7, +7, -2, +7, -2, +7

✓ Vowel
Consonant

Both have Different logic

Vowel → +2
Consonant → -4





digit Count के आधार पर Logic

16 18 1 4 9 16
P R A D I D
↓ ↓ +5 ↓ +5 ↓ +5 ↓
G I F I N G
7 9 6 9 14 7

Single → +5
double → digit sum

Single Digit Alphabate

A

1

I

9

9 अक्षर

1st Logic

Double Digit Alphabate

J

10

Z

26

17 अक्षर

2nd Logic



DIGIT (SINGLE / Double Digit Sum)



ABCDEFGHI I → Single Digit Order

JKLMNOPQRS S → Double Digit Order

TUVWXYZ

✓ Increasing Order
(बढ़ते क्रम में)

C A R O M
A C M O R

1 3 13 15 18

ऊपर लखे तर्कों में से
कोई भी एक तर्क

✓ Decreasing Order
(घटते क्रम में)

V I J A Y

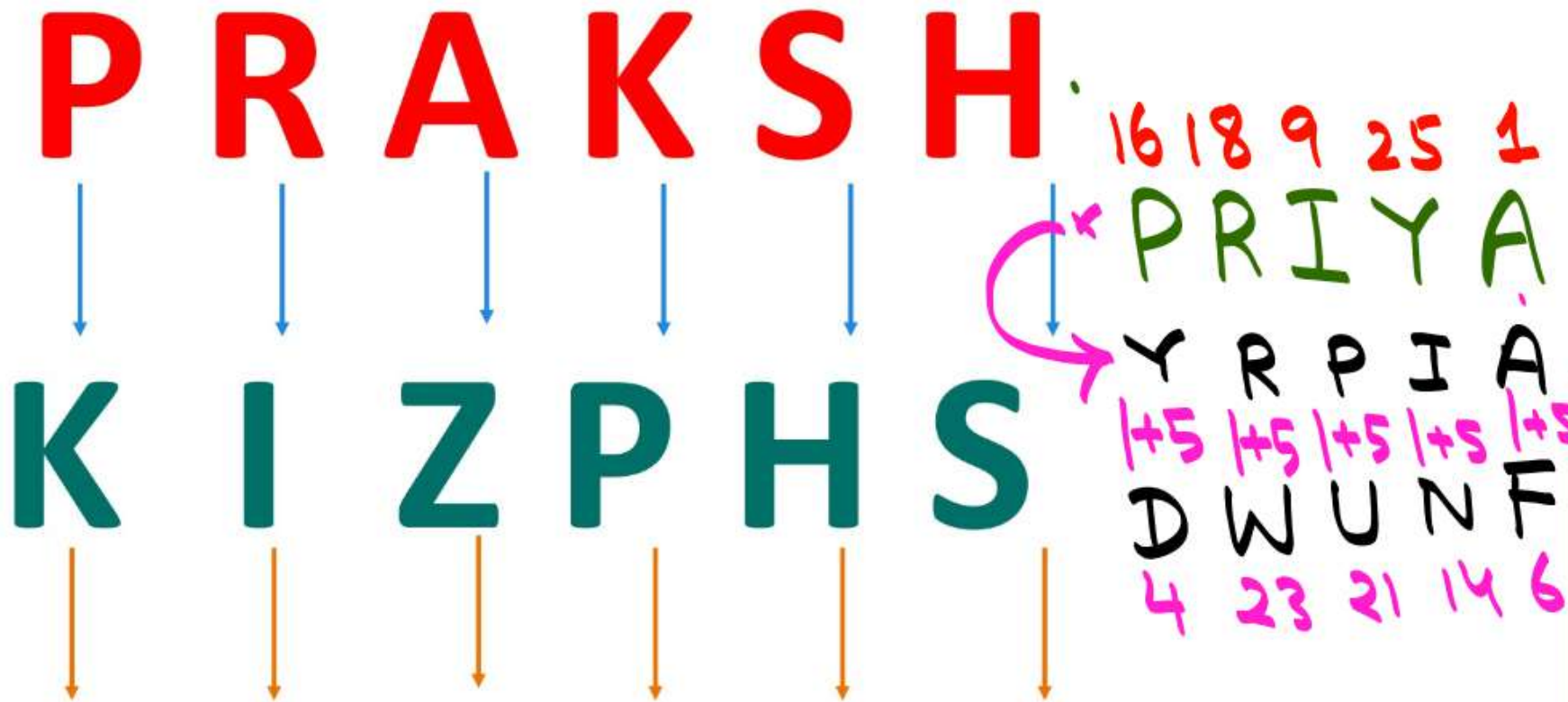
A I J V Y
1 9 10 22 25

C A R O M
R O M C A

18 15 13 3 1

ऊपर लखे तर्कों में से
कोई भी एक तर्क

opposite Letter than operation



Logic - ऊपर लखे 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)



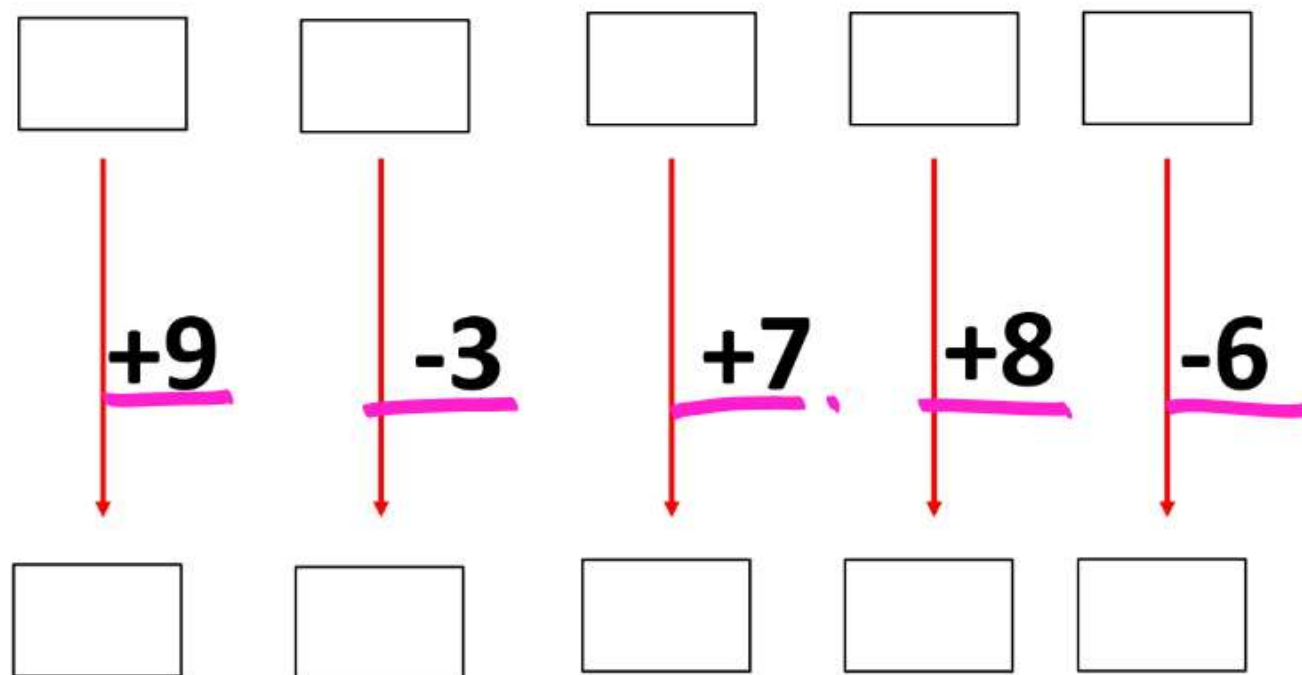
LOGIC (SQUARE)

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

LOGIC (CUBE)

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

Random Logic



EXAMPLE :-

R O U L
+1 +2 +3 +4
S Q X P

Pattern : First to First ✓

Logic- series addition

16 1 21 12
P A U L
+1 +2 +3 +4
M W D T
13 23 4 20

Pattern : First to Last ✓

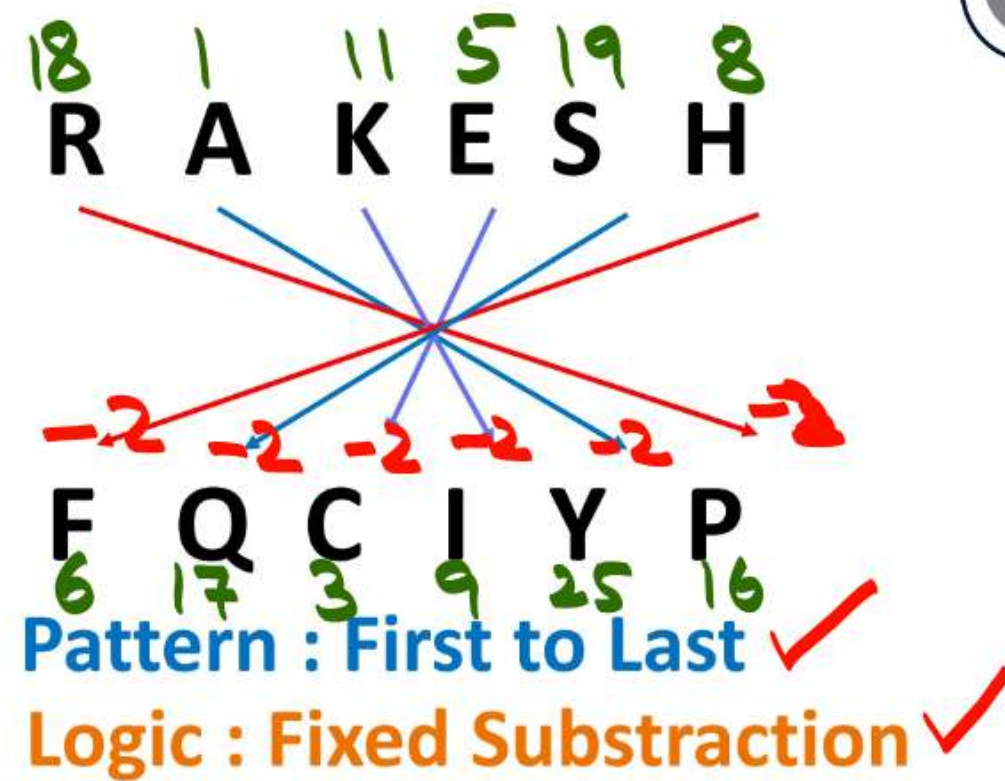
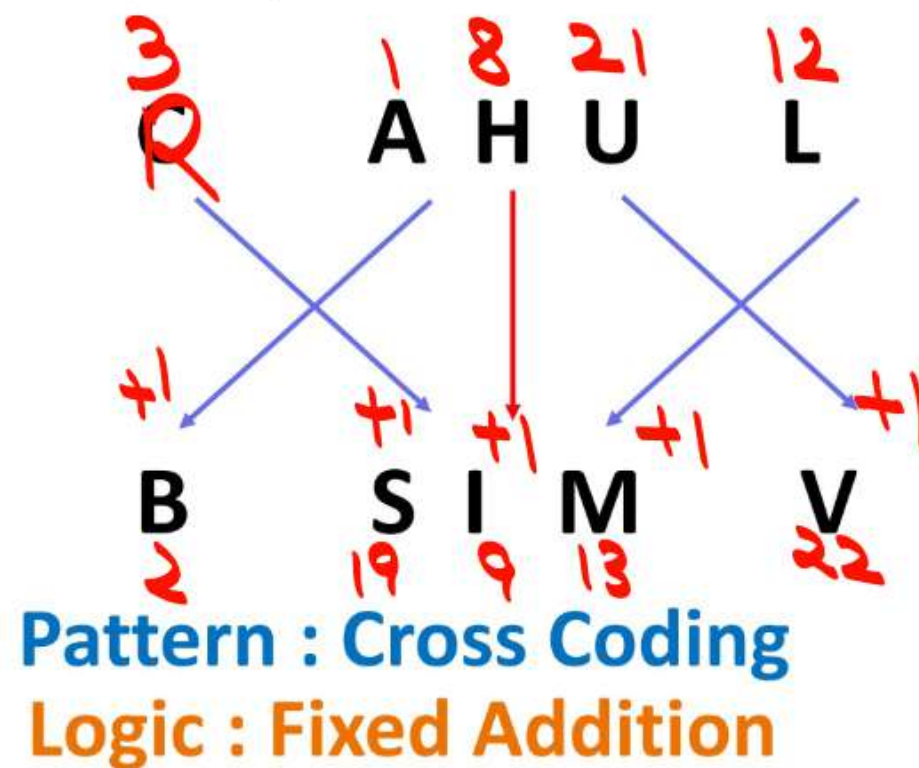
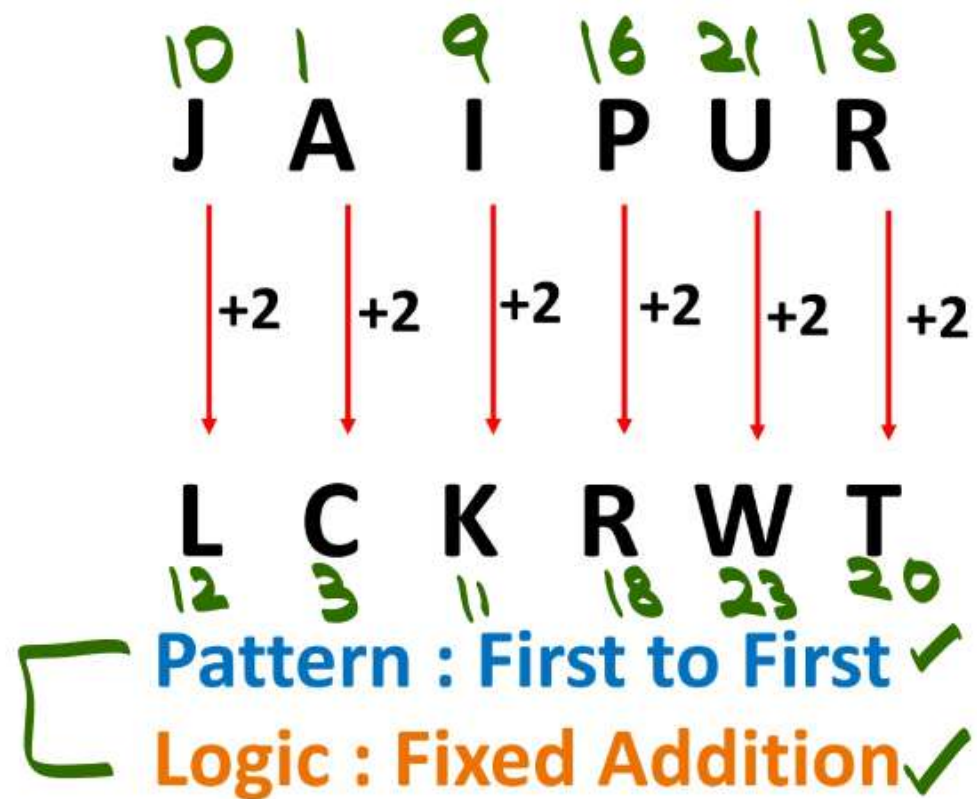
Logic- series addition ✓

3 1 18 9 14 7
C A R I N G
+1 +1 +1 +1 +1 +1
19 2 5 8 15 10
S B D H O J

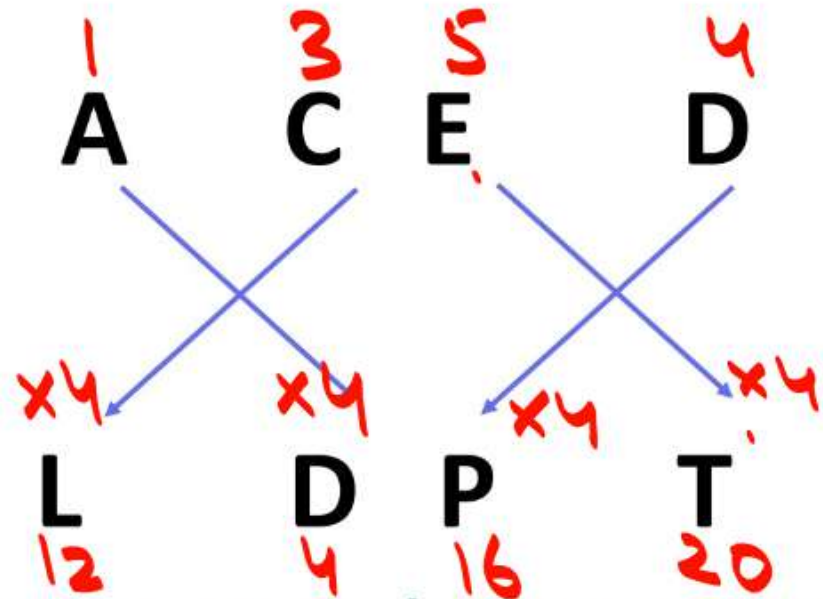
Pattern : Cross/ Grouping ✓

Logic- series addition ✓

EXAMPLE :-



EXAMPLE :-



Pattern : Cross/ Grouping Coding ✓

Logic : Multiplication ($\times 4$)



Diagram illustrating a coding pattern for the word MANGO. The letters are arranged in a single row: M, A, N, G, O. The positions of the letters are: M (13), A (1), N (14), G (7), O (15). Red arrows indicate the coding logic: M to O (+2), A to N (-1), N to G (+2), G to O (+2), and O to M (-1).

O Z P I N
15 26 16 9 14

Pattern : First to ~~last~~ First

Logic : Vowel = -1

Consonant = +2

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

F + OF
Opp ✓





Thank You

practice