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DAY 07

FOR BBA BBM BMS BCA

29

REASONING

CODING-DECODING

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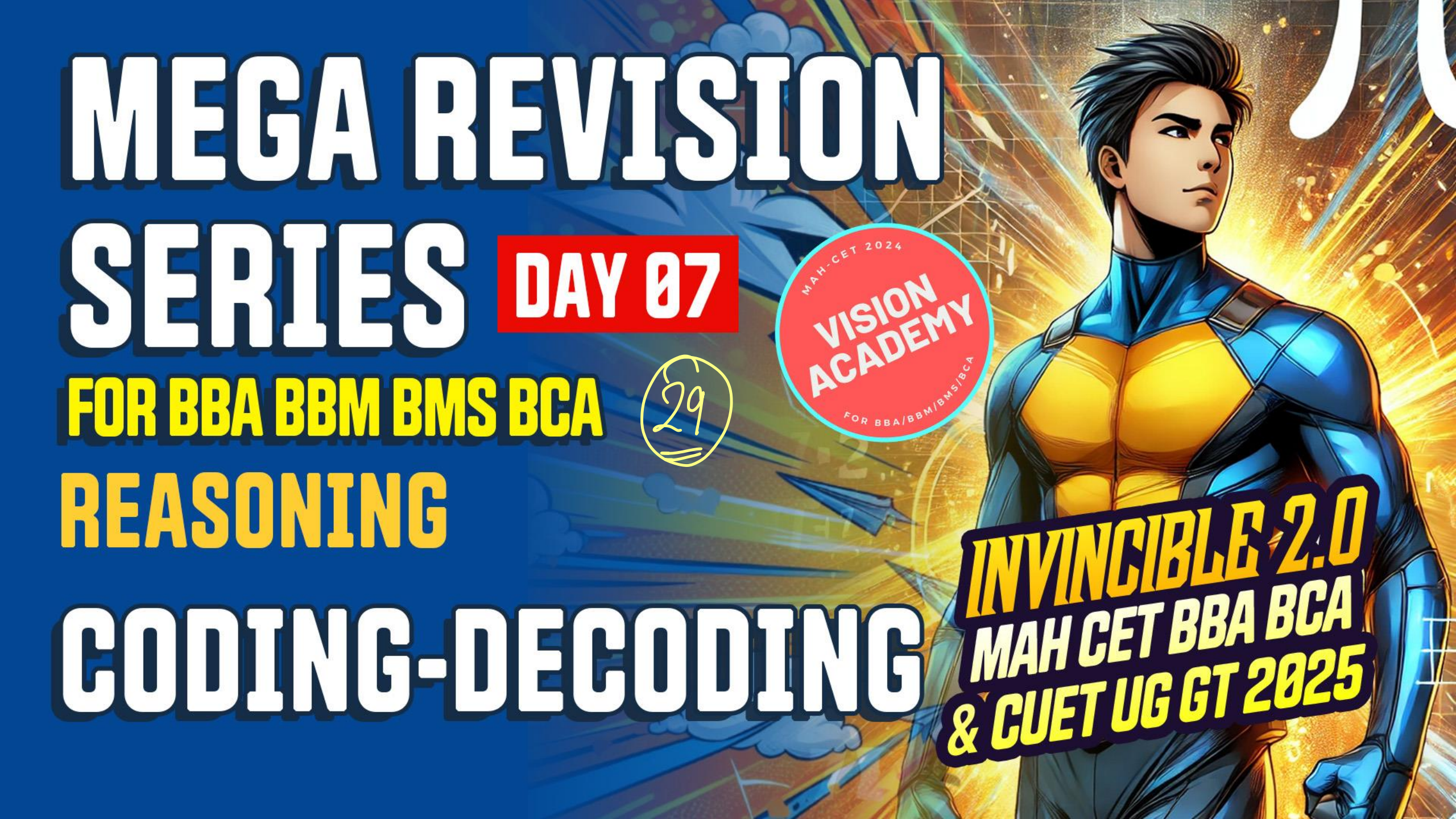

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Coding Decoding

Word → Code.

Requirements:

① Letter number

A	B	C	.....	Y	Z
↓	↓	↓		↓	↓
1	2	3		25	26

Reverse number

A	B	C	.....	Y	Z
↓	↓	↓		↓	↓
26	25	24		2	1

TRICK

Reverse = 27 − forward.

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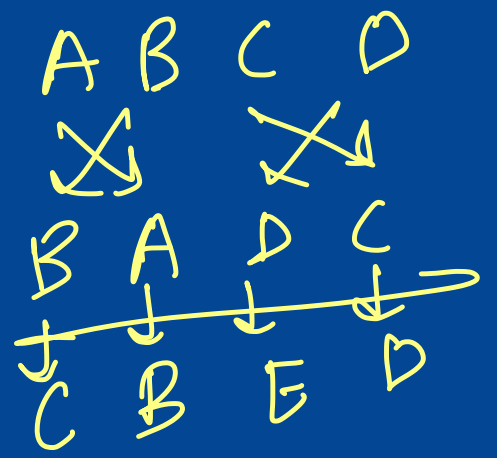
Coding Decoding

1. Write the number of all letters.
2. Check translation. (Forward & then reverse)
3. Reverse code (translation)
4. Jumble order check.
5. Random code (Detect)



In a code language, TANK is written as 7-26-13-16. How will CARGO be written in that language?

(a) 24-26-9-20-15

(b) 24-26-9-20-12

(c) 24-26-18-20-12

(d) 23-01-9-20-12

T	A	N	K
20	1	14	11
7	26	13	16

C	A	R	G	O
3	1	18	7	15
24	26	9	20	12

In a certain language, CADET is written as 31452. How will DEFER be written as in the same language?

(a) 45678

(b) 45769

(c) 35658

(d) 45659

C A D E T

↓ ↓ ↓ ↓ ↓

3 1 4 5 20

2+0=2

D E f E R

↓ ↓ ↓ ↓ ↓

4 5 6 5 1+8=9

If in a given code language, WATER is coded as XZUDS, then which word will be coded as BMHKF?

(a) ALIEN

(b) CLING

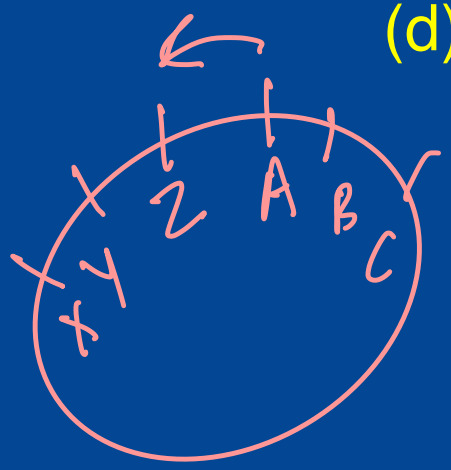
(c) ANGLE

(d) EARTH

CLIJG

23	1	20	5	18
W	A	T	E	R
+1 ↓	−1 ↓	↓ +1	↓ −1	↓ +1
X	Z	U	D	S
24	26	21	4	19

B	M	H	K	F
+1 ↓	↓ −1	↓ +1	↓ −1	↓ +1
C	L	I	J	G



In a code language CERTAIN is written as DFSUBJO , How will SUMMER be written in this language?

(a) TVNNFS (b) TVNNFT (c) RVNNFS (d) TUNMFS

C	E	R	T	A	I	N
3	5	18	20	1	9	14
D	F	S	U	B	J	O
4	5	19	21	2	10	15

S	U	M	M	E	R
↓	↓	↓	↓	↓	↓
T	V	N	N	F	S

If A = 2, C= 4, then PARTICLE =

(a) 1721921104136

(b) 172172094136

(c) 172192094126

(d) 1621820104136

20 9 3 12 5

16 1 18

17 | 2 | 19 | 21 | 10 | 4 | 13 | 6

If AT = 20 and BEG =70, then BANK = _____.

(a) 318 (b) 308 (c) 228 (d) 282

A T = 20

1 x 20 =

B E G = 70

2 x 5 x 7

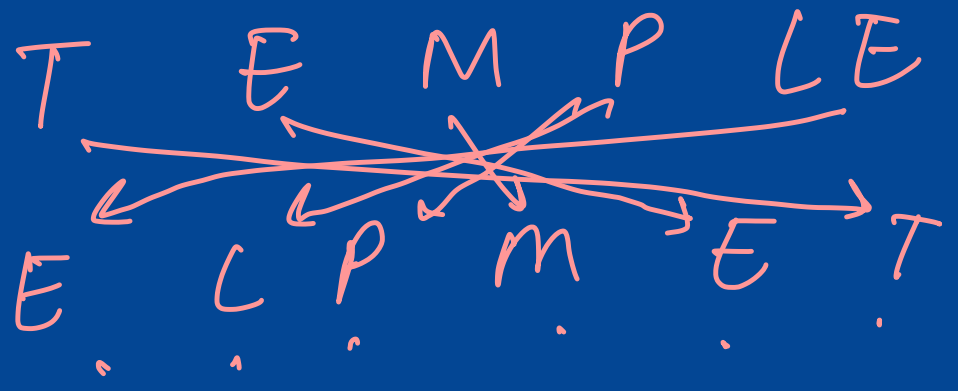
B A N K = 28 x 11 = 308

2 1 14 11

If TEMPLE is coded as ELPMET,
then how will CHURCH be coded as?

(a) HCURHC
(b) HCRUHC
(c) HCURCH
(d) HCRUCH

Reverse word



H C R U H C

If DIG is coded as 25 and CUT is coded as 49, then how will KICK be coded as?

(a) 43 (b) 39 (c) 4 (d) 34

D I G 25

4 + 9 + 7 = 20 + 5 = 25

C U T = 49

3 21 20 = 44 + 5 = 49

K I C K

11 9 3 11

= 34 + 5 = 39

If FLOWER is coded as 14 and DISTASTE is coded as 18, then how will BUREAUCRAT be coded as?

(a) 22 (b)18 (c) 20 (d) 28

$10 \times 2 = 20 + 2 = 22$

$6 \times 2 = 12 + 2 = 2$

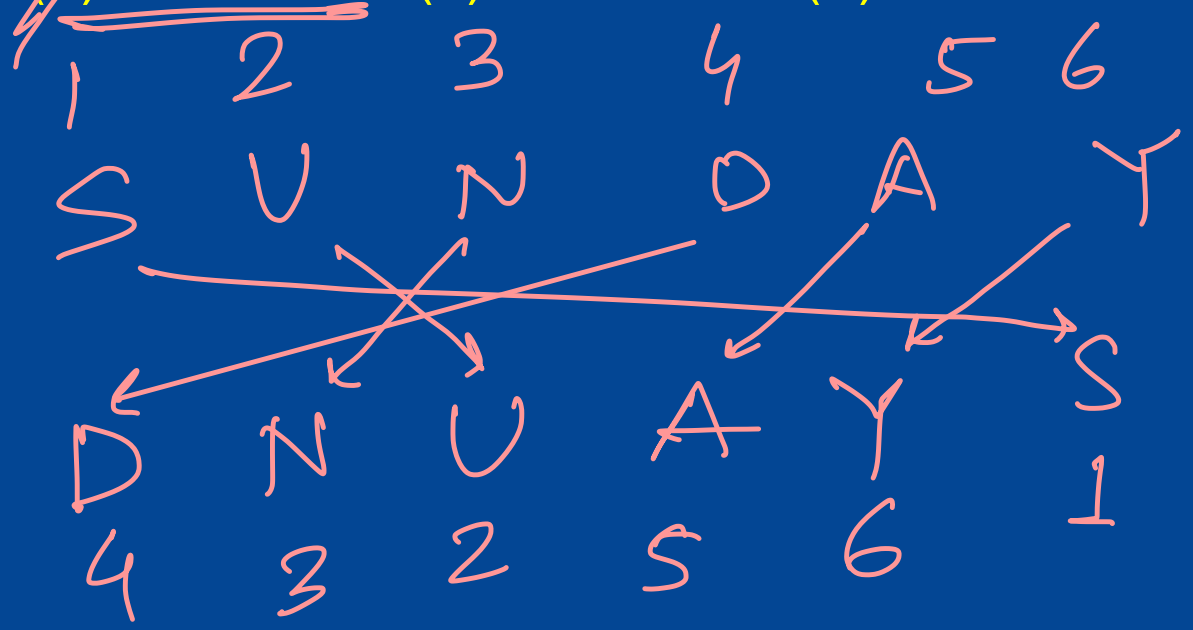
F L O W E R = 14

D I S T A S T E = 18

$8 \times 2 = 16 + 2$

In a code language SUNDAY is written as DNUAYS. How will MOTHER be written as in that language?

(a) HTEOMR (b) HTOERM (c) HOTERM (d) THEORM



M O T H E R
1 2 3 4 5 6

H T O E R M

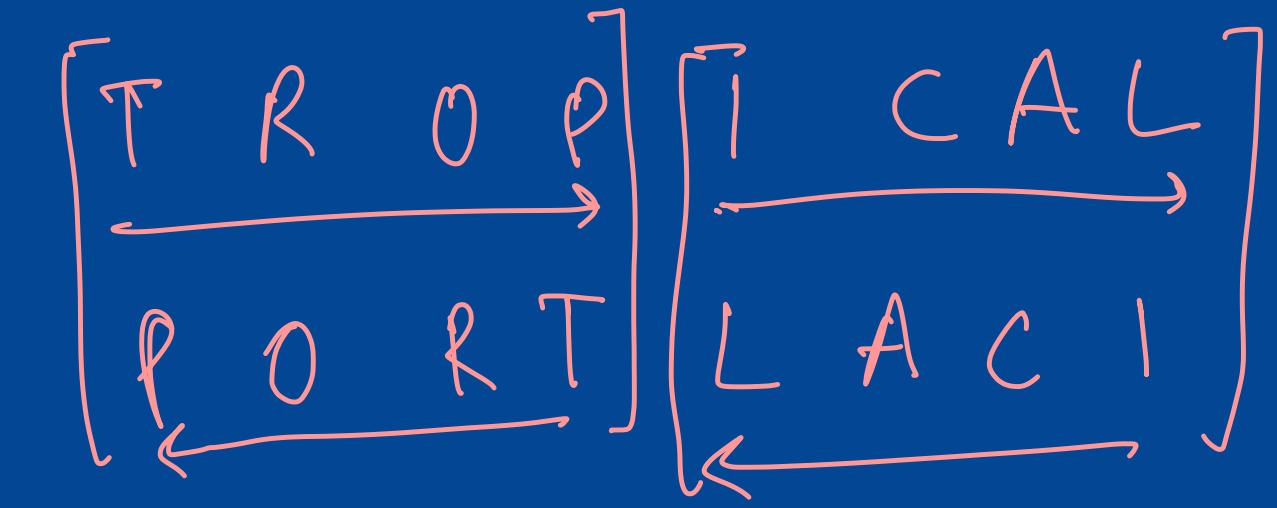
In a code language, TROPICAL is written as PORTLACI. How will DISTANCE be written in that language?

(a) ISTSNAEF

(b) TSIDECNA

(c) TSIDECAN

(d) STIDECNA



DISTANCE

TSIDECNA

In a code language, ELECTION is written as DKDBSHNM. How will EXAMPLE be written in the same language?

(a) FWZLOKD

(b) DWZLOKD

(c) DYZLOKD

(d) DWZLOKF

E L E C T I O N

D K D B S H N M

D W Z L O K D

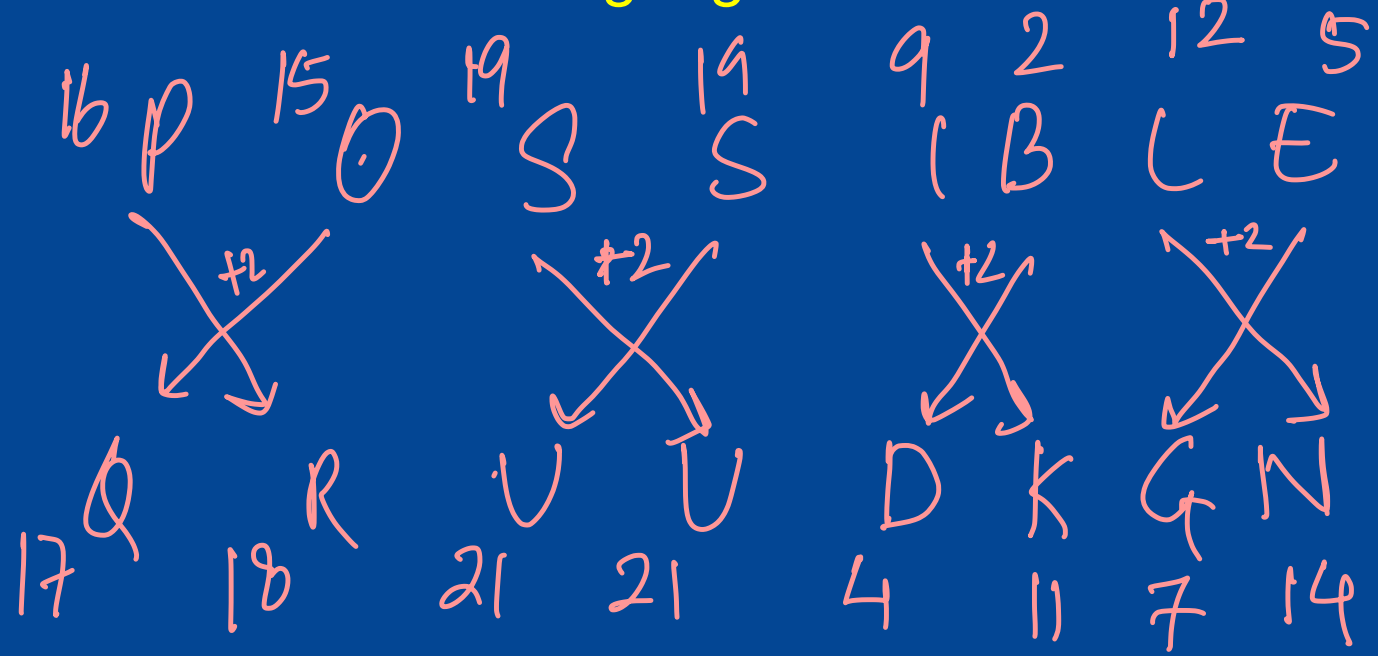
In a code language, ‘POSSIBLE’ is written as ‘QRUUDKGN’. How will ‘FAREWELL’ be written in the same language ?

(a) BHGUGYNN

(b) CIGTGZNN

(c) CHGTGYNN

(d) CHGTGYMM



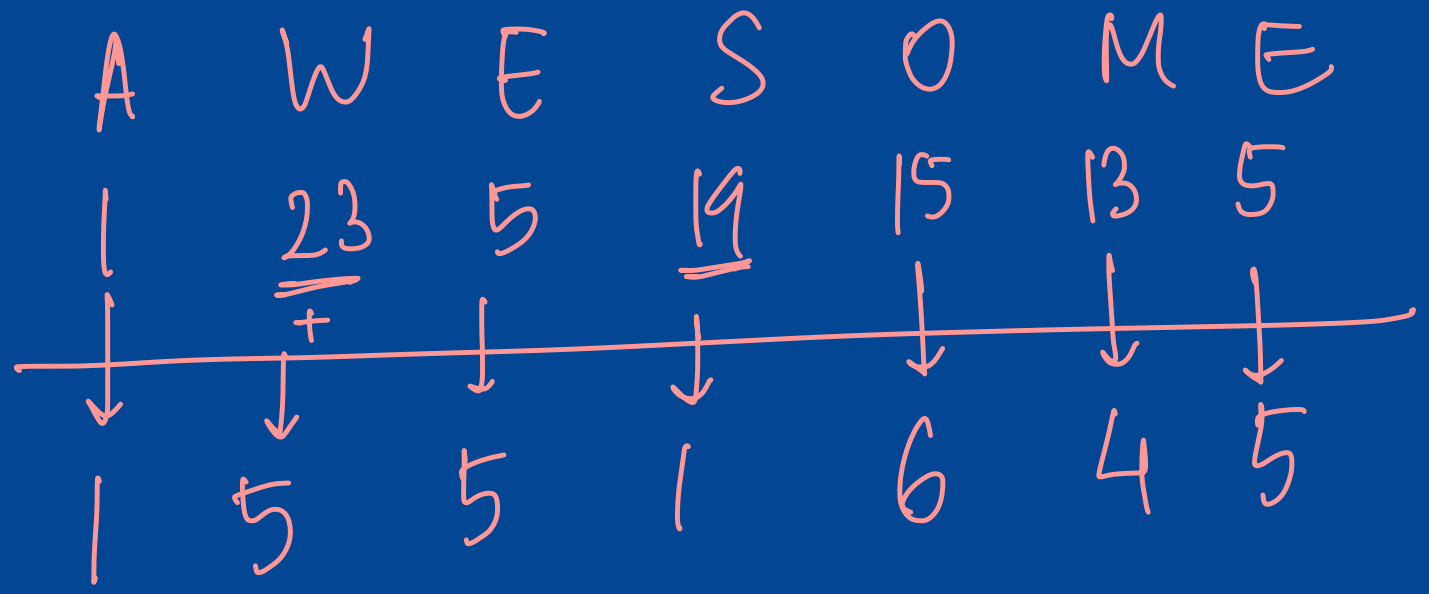
If AWESOME is coded as 1551645, then how will DIGNITY be coded as?

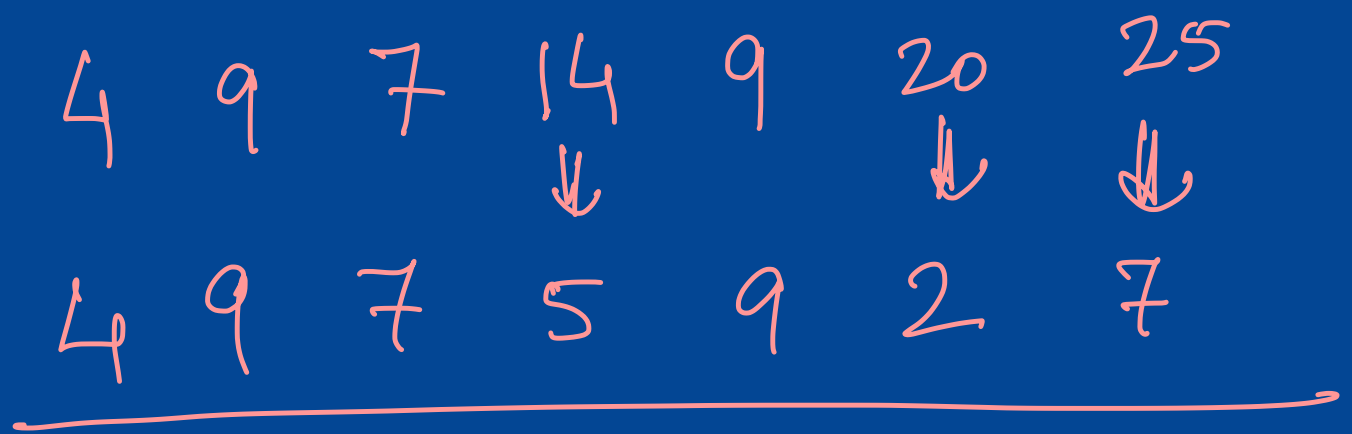
(a) 4975927

(b) 4875928

(c) 4974937

(d) 3965927





In a certain code language –

'money is not health' is written as, 'pot lot hot got',

'need and want money' is written as, 'mop tmp put pot',

'health makes whole happy' is written as, 'zen lot hup kot',

'need makes want money' is written as, 'zen mop pot tmp'.

What may be the possible code for 'work and health' in the given code language?

A. put got lot

B. put lot tuo

C. mop lot put

D. tuo lot got

E. put lot nup

In a certain code language, ‘MODERN’ is written as ‘JLABOK’.
What is the code for ‘NUMBER’ in that code language?

(a) LSKZCP
(b) LTKZCP
(c) KRJYBO
(d) LRKUBO

13	15	4	5	18	14
M	O	D	E	R	N
↓-3	↓-3	↓-3	↓-3	↓-3	↓-3
J	L	A	B	O	K

14					
N	U	M	B	E	R
↓					
K					

10	12	1	2	15	11

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In a code language, if 'VISUAL' is written as '22181942212', then how will 'DETOX' be written in that language?

(a) 310301524 (b) 410203024 (c) 405302022 (d) 420204024

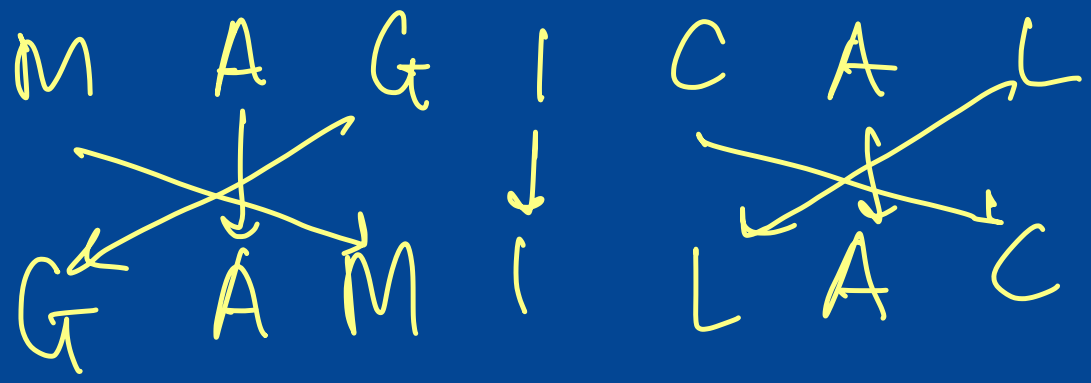
V I S U A L
↓ ↓ ↓ ↓ ↓ ↓
22 18 19 42 2 12

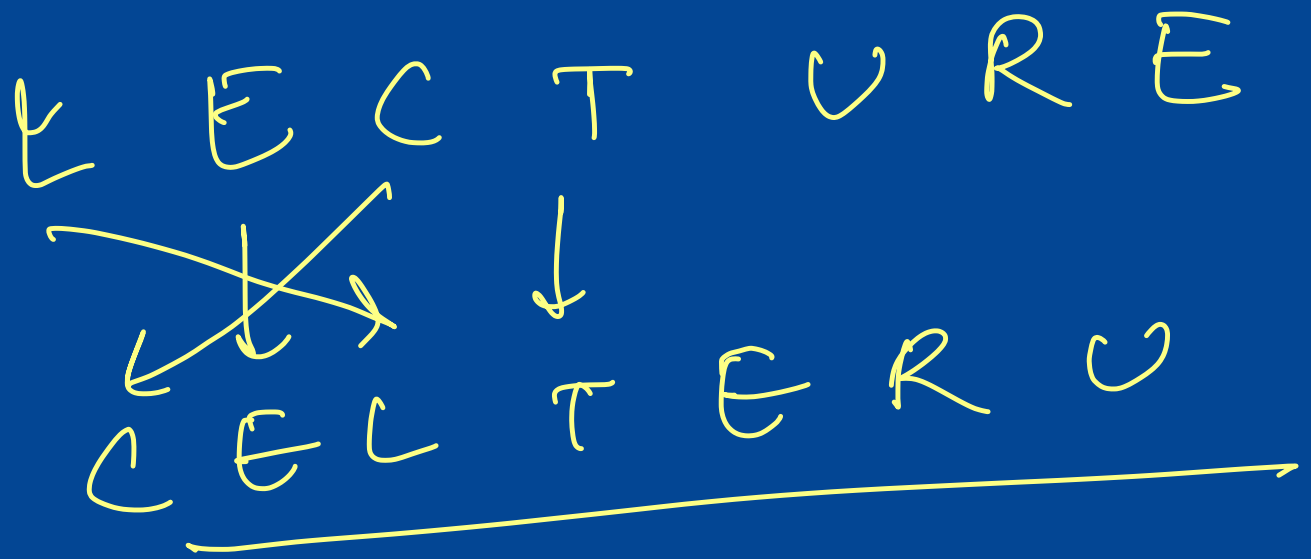
I: 9 x 2 = 18
U: 21 x 2 = 42
A: 1 x 2 = 2

D E T O X
4 5 ↓ 15 x 2 ↓
↓ ↓ ↓ ↓ ↓
4 10 20 30 24

In a code language, 'MAGICAL' is written as 'GAMILAC'. How will 'LECTURE' be written as in that language?

(a) CELTURE (b) CELTERU (c) ELTCERU (d) CLETERU





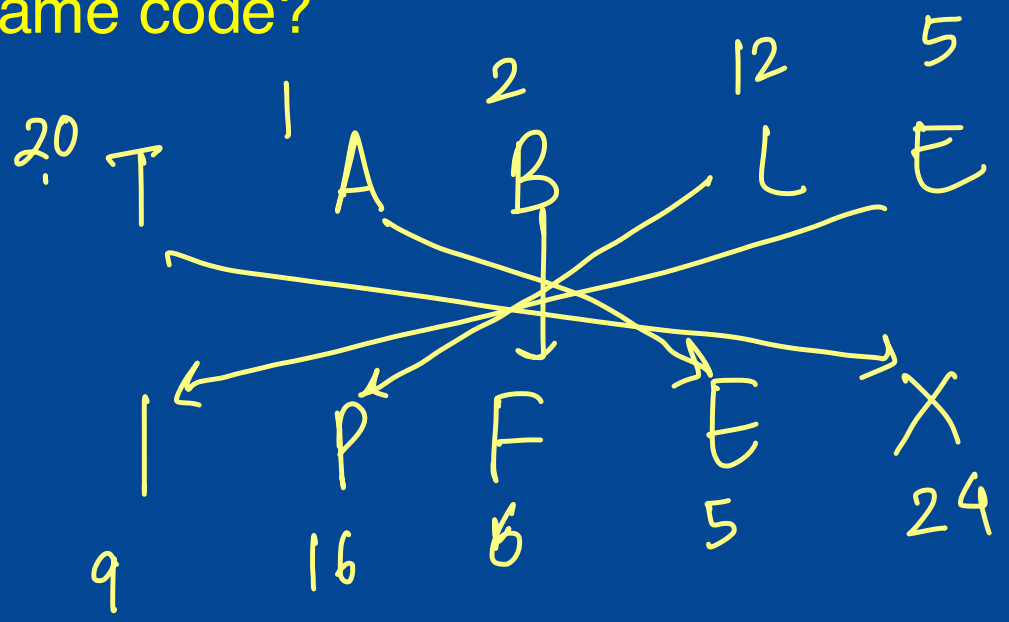
In a certain code, ‘TABLE’ is written as ‘IPFEX’. How will ‘SCRAP’ be written as in the same code?

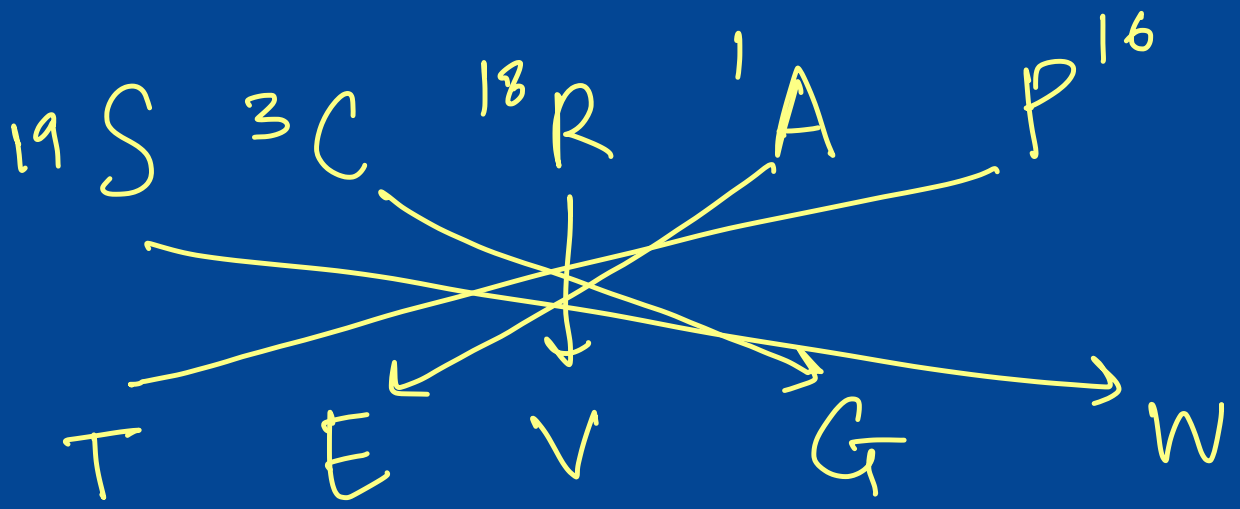
(a) TDSBQ

(b) TEVGW

(c) VAUDM

(d) RBQZO





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