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‘Cardiologist’ is related to ‘Heart’ in the same way as ‘Chiropractor’ is related to ‘_____’.

(a) Skin (b) Foot (c) Chest (d) Joints

Candle : Illuminate

(a) Fan : Suffocation

(b) Bulb : Dark

(c) Refrigerator : Cool

(d) Oven : Grind

12 : 192 :: 15 : ?

(a) 245 (b) 240 (c) 225 (d) 250

$12 \times 16 = 192$

$15 \times 16 = 240$

‘Cone’ is related to ‘Ice Cream’

in the same way as ‘Bowl’ is related to ‘_____’.

(a) Soup

(b) Soap

(c) Sip

(d) Drink

Resistance:Ohm ⇐ Unit

(a)Time:Clock ✗

(b)Temperature:Thermometer ✗

(c)Pressure:Barometer ✗

(d)Length:Metre

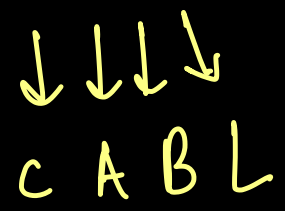
KSQE : MQQC : : ACZN : ?

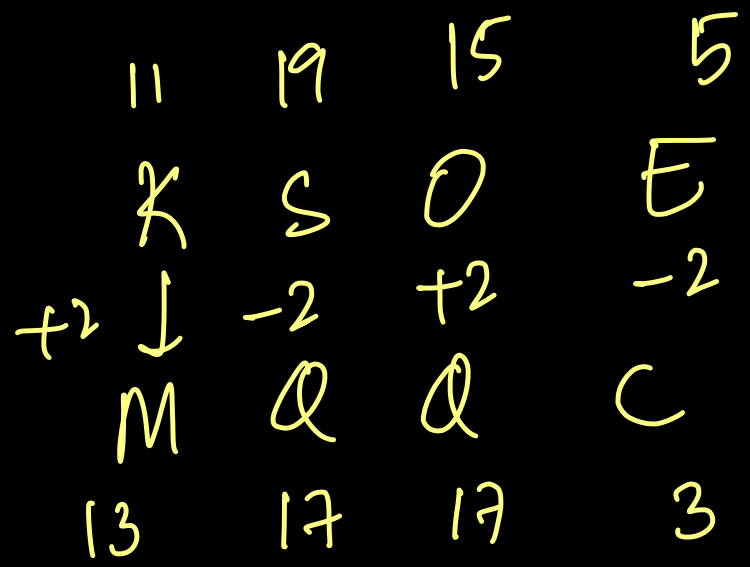
(a) CABL

(b) CBBL

(c) DACL

(d) CABK





‘Mercury’ is related to ‘Metal’ in

the same way as ‘Frog’ is related to ‘_____’.

(a) Rodent (b) Mammal

(c) Reptilian (d) Amphibian

DHMR : BJKT : : XCOE : ?

(a) UENG (b) VEMG

(c) VENG (d) VFMH

4 8 13 18

D H M R

−2 +2 −2 +2

B J K T

2 10 11 20

24 3 15 5

X C O E

V E M G

BEH : FJN : : ILO : ?

(a) MQU

(b) MQV

(c) MOU

(d) MOV

2 5 8

B E H

+4 +5 +6

F J N

6 10 14

9 12 15

I L O

M Q U

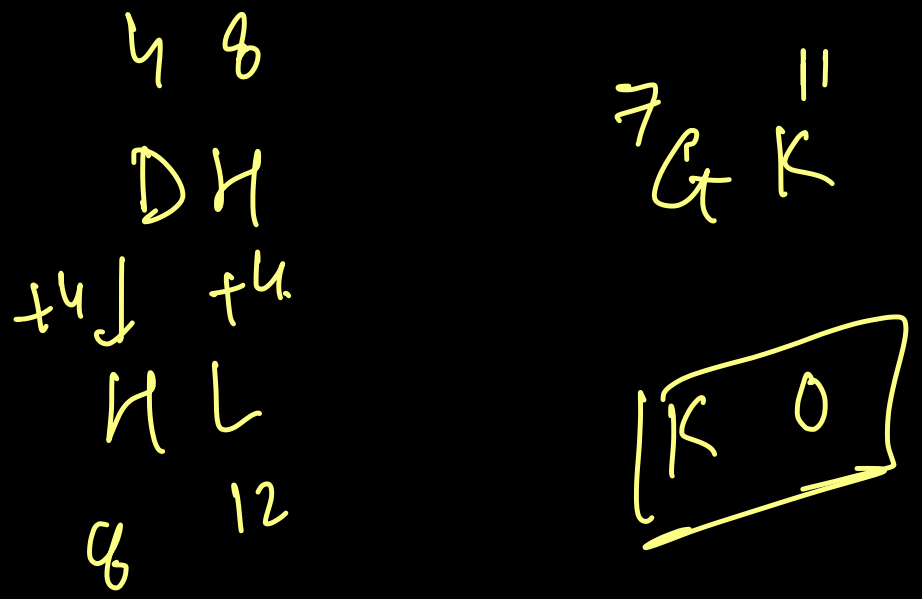
DH : HL : : GK : ?

(a) KO

(b) LO

(c) LM

(d) KL



Find the odd word out.

A. Tiger
B. Lion
C. Leopard
D. Cow

Classification

E	J	O	T	Y
5	10	15	20	25

Find the odd word out.

A. Spinach
B. Onion
C. Radish
D. Turnip

underground

Find the odd pair.

A. Kathakali : Kerala

B. Odissi : Odisha

C. Satria : Assam

D. Bharatanatyam : Andhra Pradesh

Tamil Nadu

Find the odd one out. (MCA CET)

A. Goggles
B. Spectacles
C. Bifocals
D. Optical Reader

Find the odd number out.

A. 13

B. 17

C. 23

D. 27

not a prime

Find the odd pair.

A. 14 – 7

B. 24 – 3

C. 37 – 5

D. 42 – 2

Find the odd letter cluster.

A. QSU

B. UWY

C. CEG

D. HJI

Find the odd letter cluster.

A. EKO
B. JIU
C. KVG
D. QMJ

$5 + 11 + 15 = 31$
E K O

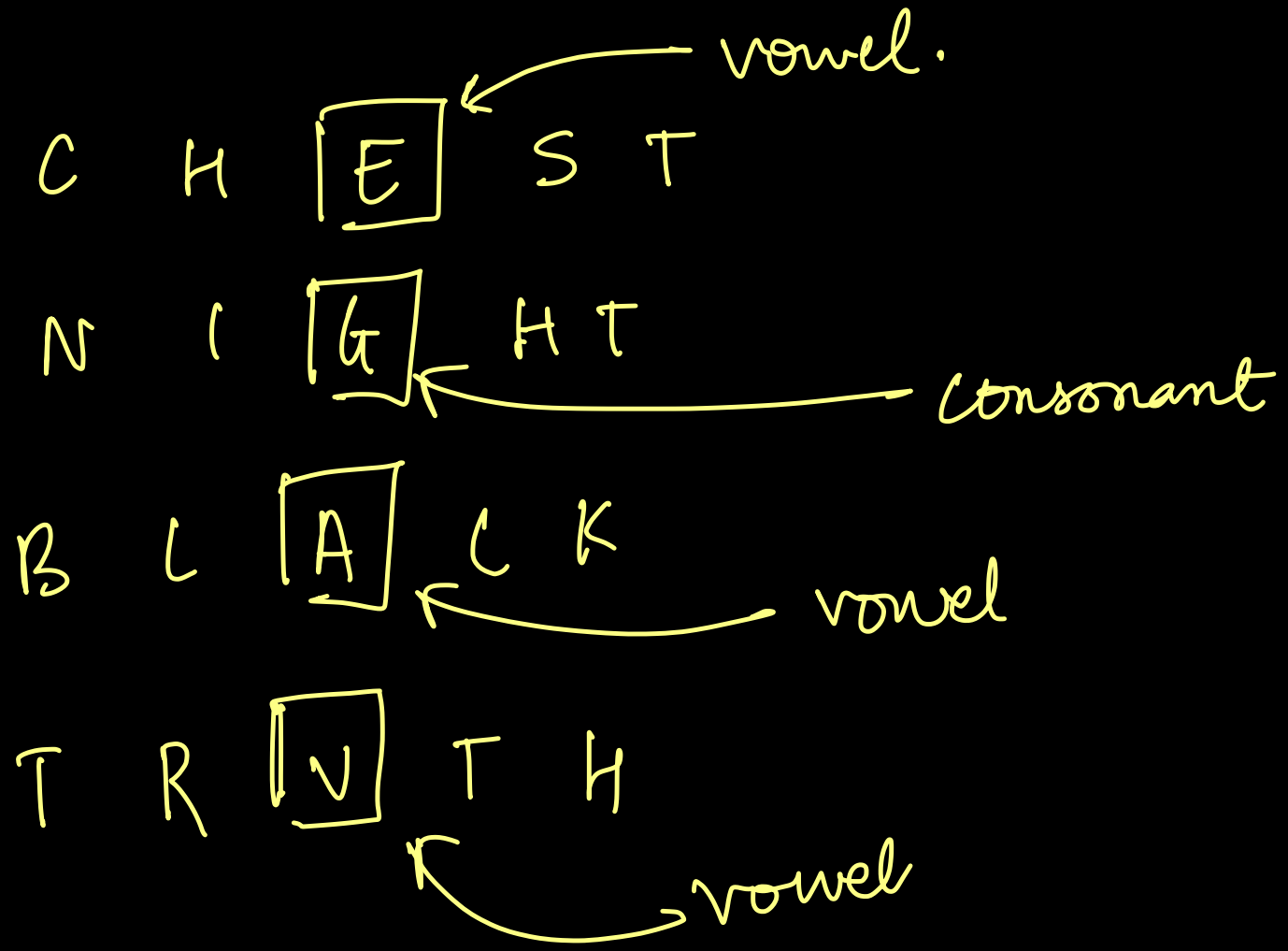
J I U
$10 + 9 + 21 = 40$

K U G
$11 \times 22 \div 7 = 40$

$17 \quad 13 \quad 10$
$Q + M + J = 40$

Find the odd one out.

A. CHEST
B. NIGHT
C. BLACK
D. TRUTH



Which letter comes immediately after the letter 'P' in the reverse order of the alphabet?

1. Q
2. O
3. R
4. K

Alphabet Test

How many such pair(s) of letters are there in the word 'POCKETBOOK' which have as many letters between them as in the alphabetical series (in forward direction)?

1. One
2. Two
3. Three
4. More than three

C D E

16	15	3	11	5	20	2	15	15	11
P	O	C	K	E	T	B	O	O	K

Forward.

If each consonant of the word 'TERMINATION' is changed to the previous letter and each vowel is changed to the next letter, and the new letters are arranged alphabetically, which will be the sixth letter from the right end?

1. M
2. L
3. J
4. Q

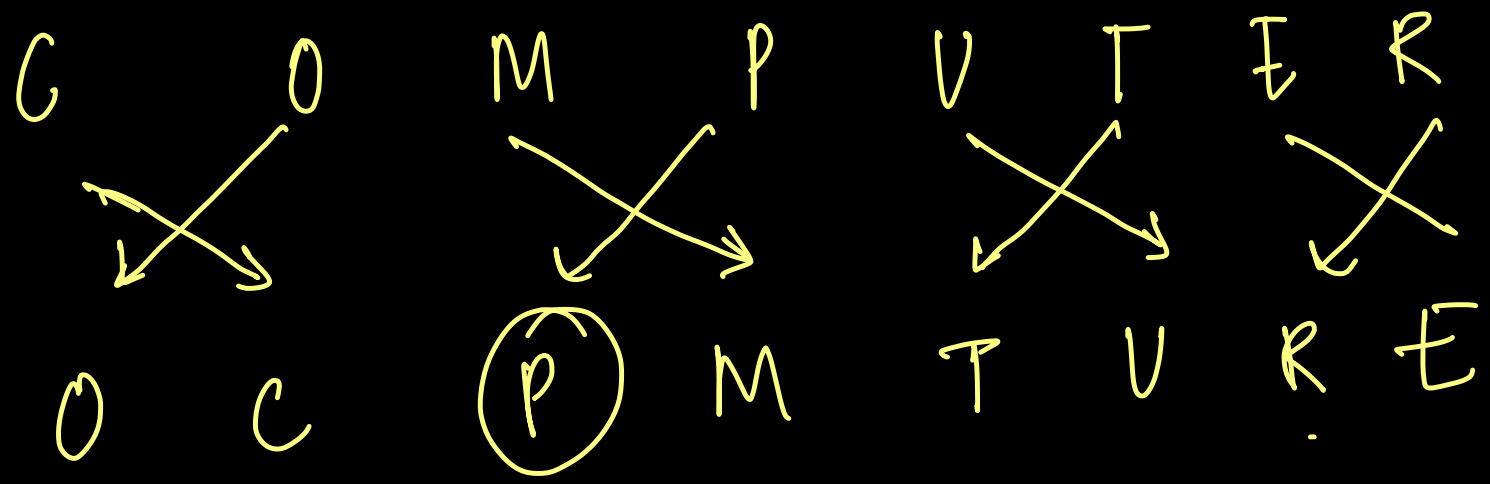
T E R M I N A T I O N

S F Q L J M B S J P M

B F J J L M M P Q S S

If the first and second letters of the word ‘COMPUTER’ are interchanged, also the third and fourth, fifth and sixth, and seventh and eighth letters are interchanged, which letter would be the sixth from the right?

1. U
2. T
3. P
4. E



How many meaningful English words can be formed using the letters E, T, A, R, using each letter only once?

1. One
2. Two
3. Three
4. More than three

TEAR
RATE

Arrange the given words in the order in which they appear in the dictionary: 1. Famous 2. Fanatical 3. Farmhouse 4. Fancy 5. Father

A. 1, 2, 3, 4, 5

B. 2, 4, 1, 3, 5

C. 4, 2, 1, 3, 5

D. 4, 1, 2, 5, 3

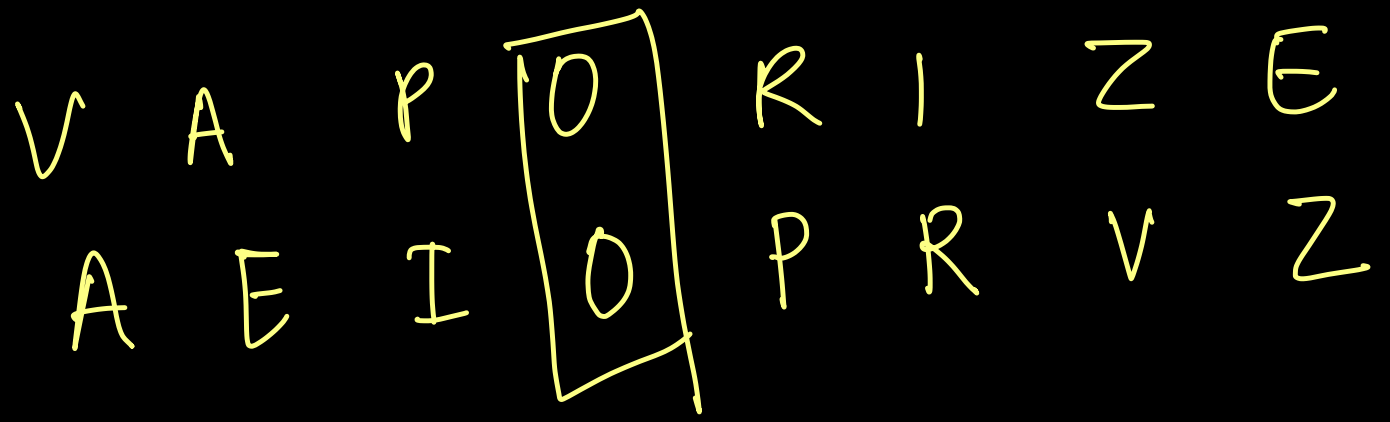
The position of how many letters will remain unchanged if each of the letters in the word 'VAPORIZE' is arranged in alphabetical order?

None

One

Two

Three



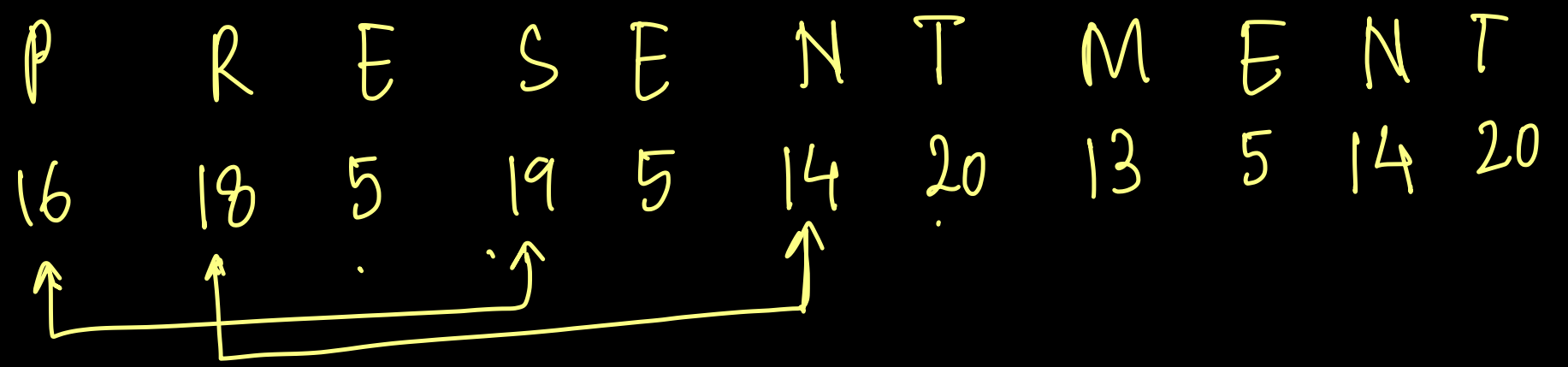
How many pairs of letters are there in the word "PRESENTMENT" which have as many letters between them in the word as in the alphabet?

One

Two

Three

Four



If the letters of the word 'CYCLINDER' are arranged alphabetically, then which letter would be farthest from the first letter of the word?

1. Y
2. R
3. N
4. L

C Y L I N D E R

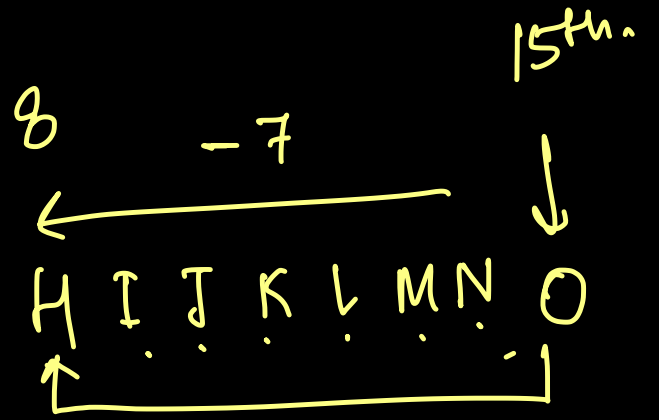
What is the 7th letter to the left of the 15th letter from the left in the English alphabet?

a) H

b) I

c) J

d) K



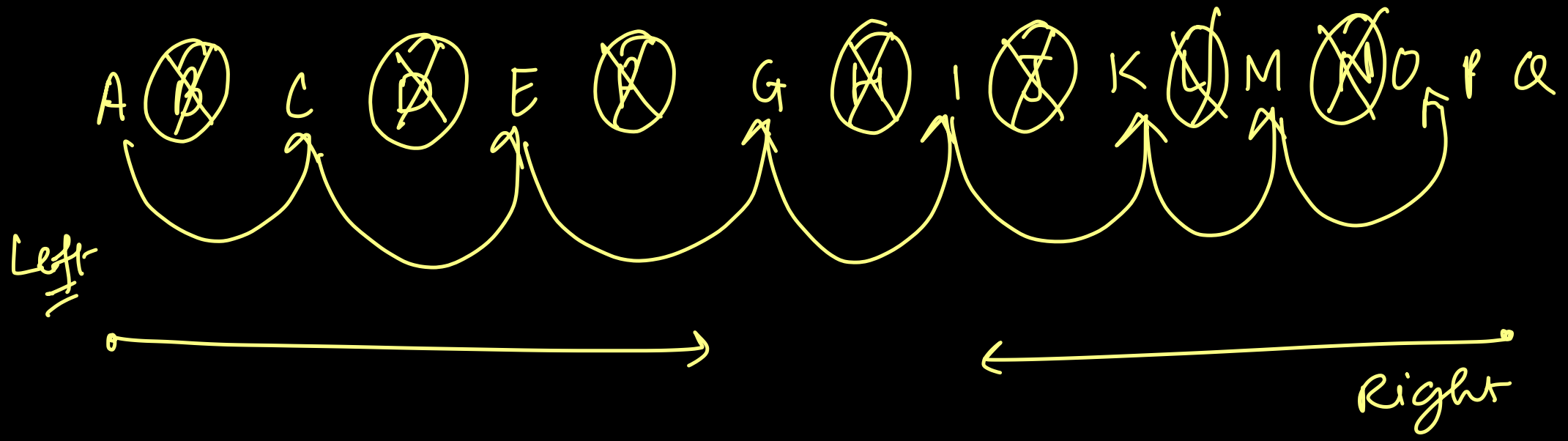
If every alternate letter starting from B is deleted from the alphabet, which letter will be 8th from the left?

a) P

b) Q

c) O

d) R

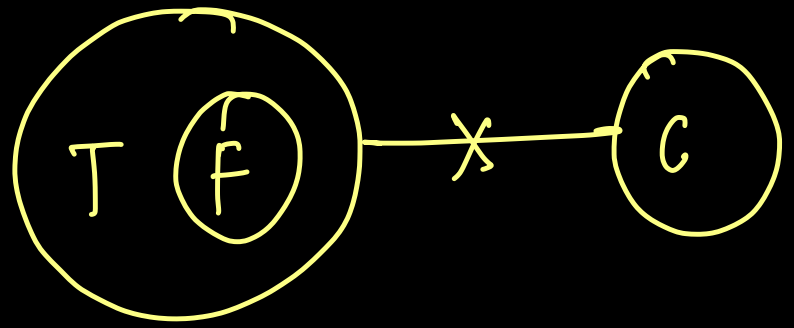


ATAL

Statements:

(a) All frogs are tortoises.

(b) No tortoise is a crocodile.



Conclusions:

I. No crocodile is a frog.

II. No frog is a crocodile.

A. Only I follows

B. Only II follows

C. Both I and II follow

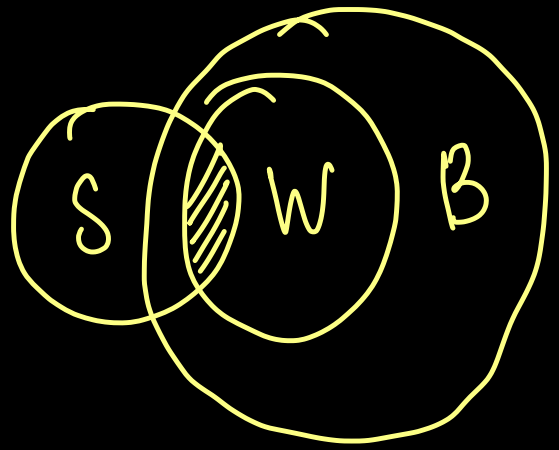
D. Neither I nor II follows

ATAL

Statements:

(a) Some shoes are White.

(b) All Whites are Blue.



Conclusions:

I. All shoes are Blue. ✗

II. Some shoes are Blue. ✓

Only I follows

Only II follows ✓

Neither I nor II follows

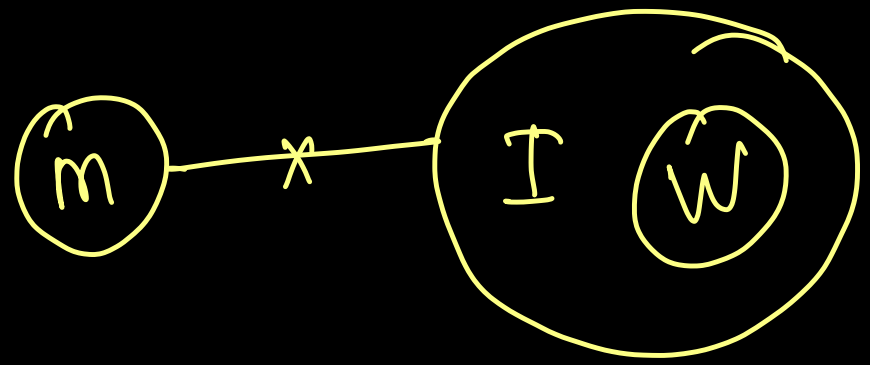
Both I and II follow

ATAL

Statements:

No man is intelligent.

All women are intelligent.



Conclusions:

I. No man is a woman.

II. No woman is a man.

A. Only I follows

B. Only II follows

C. Both I & II follow

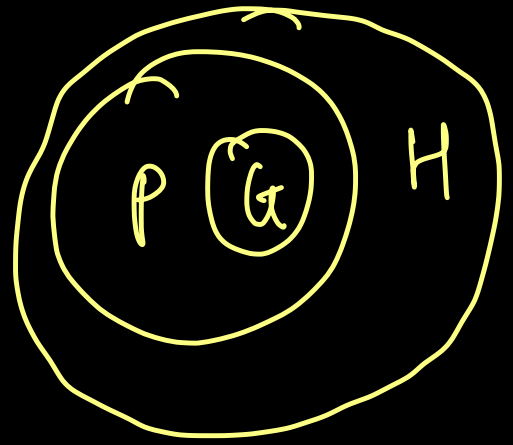
D. Neither of them follows

ATAL

Statements:

A. All girls are proud.

B. All proud will be humiliated one day.



Inferences:

I. All girls will be humiliated one day.

II. Some girls will be humiliated one day.

1. Only I follows
2. Only II follows
3. Both I & II follow
4. Neither of them follows

ATAL

Statements:

P. All men are women.

Q. All women are crazy.

Conclusions:

I. All men are crazy. ✓

II. All the crazy are men. ✗

III. Some of the crazy are men. ✓

IV. Some of the crazy are women. ✓

e. Only I, III, IV follow.

1. None of the conclusions follows
2. Only I follows
3. Only II follows
4. All conclusions follow

OBJECTED ✗

ATAL

Statements:

All Americans are English speaking.

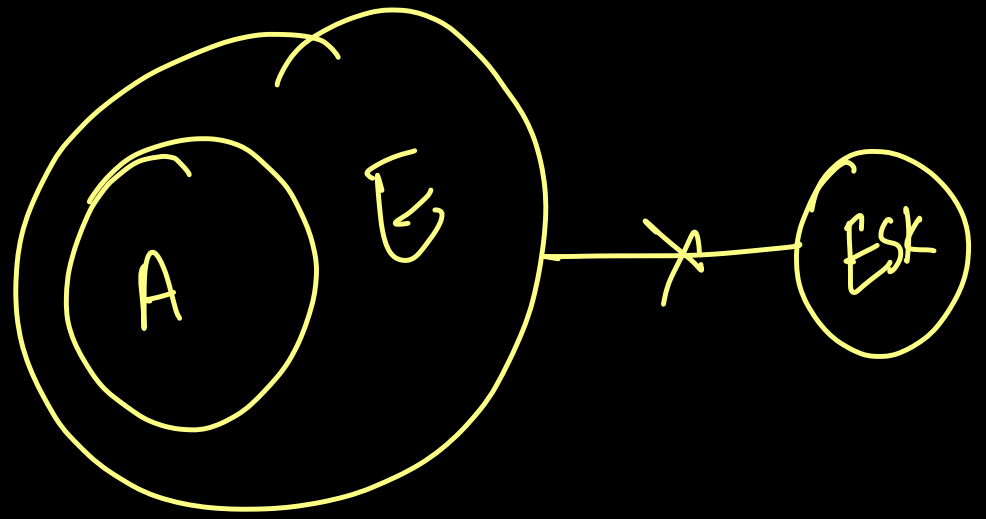
No Eskimos are English speaking.

Conclusions:

I. No Eskimos are Americans.

II. No English speakers are Eskimos.

1. Only I follows
2. Neither I nor II follows
3. Only II follows
4. Both I and II follow



ATAL

Statements:

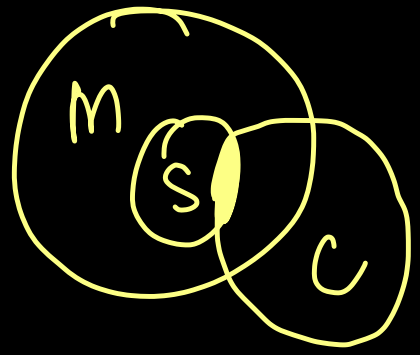
All soldiers are men.

Some citizens are soldiers.

Conclusions:

I. Some citizens are men. ✓

II. All soldiers are citizens. ✗



1. Only I follows
2. Neither I nor II follows
3. Only II follows
4. Both I and II follow

ATAL

Statements:

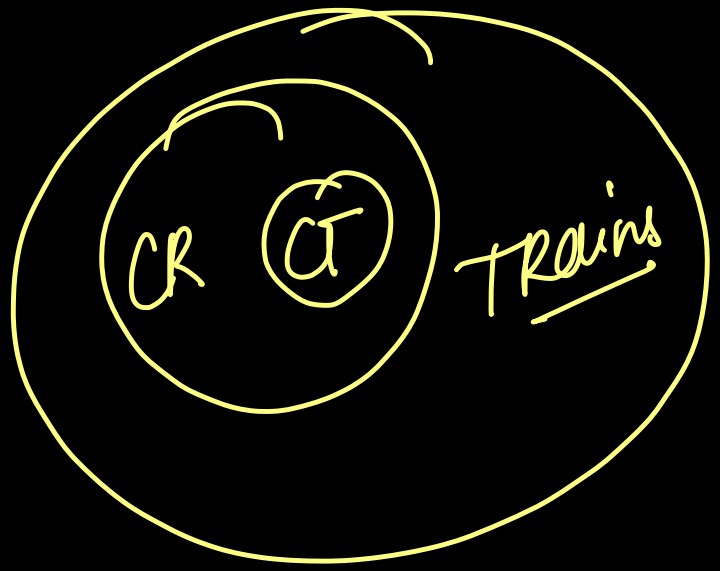
All carts are cars.

All cars are trains.

Conclusions:

I. All carts are trains.

II. All trains are carts.



1. Only conclusion I follows
2. Only conclusion II follows
3. Both conclusions I and II follow
4. Neither conclusion I nor conclusion II follows

ATAL

Statements:

All children are playful.

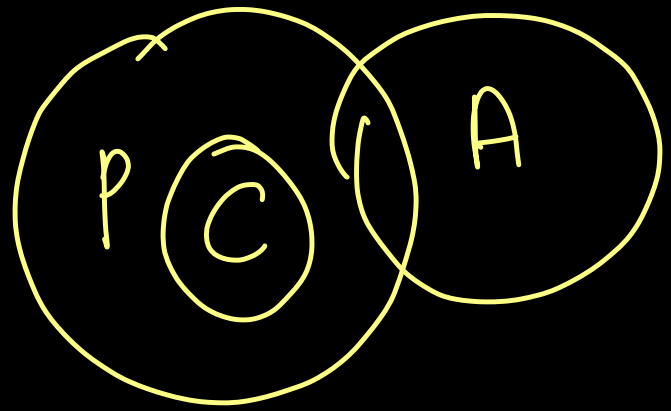
Some animals are playful.

Conclusions:

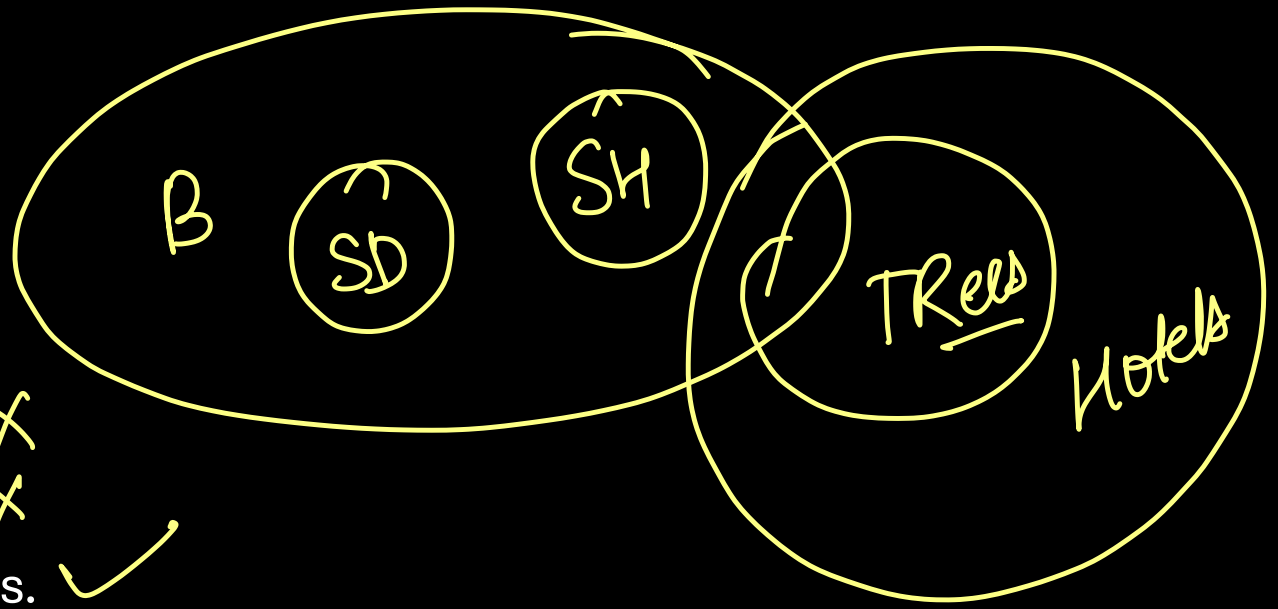
I. Some animals are children. ✗

II. Some children are animals. ✗

1. Only I follows
2. Neither I nor II follows
3. Only II follows
4. Both I and II follow



Statements:
All sands are beaches,
All shores are beaches.
Some beaches are trees.
All trees are hotels.
Conclusions:
(I) Some shores are hotels. ✗
(I) All beaches are shores. ✗
(IIII) Some beaches are hotels. ✓
(IV) Some sands are trees ✗



(a) only III follows
(b) only II follows
(c) only IV follows
(d) none of these

ATAL

P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre:

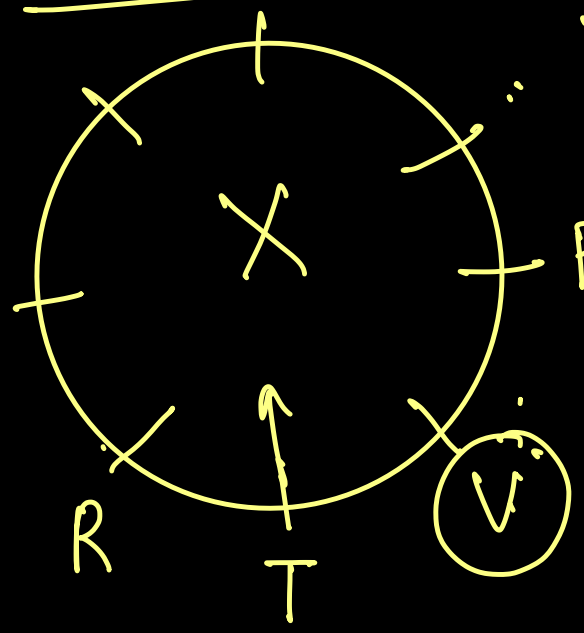
1. P is second to the right of T who is the neighbour of R and V.
2. S is not the neighbour of P.
3. V is the neighbour of U.
4. Q is not between S and W. W is not between U and S

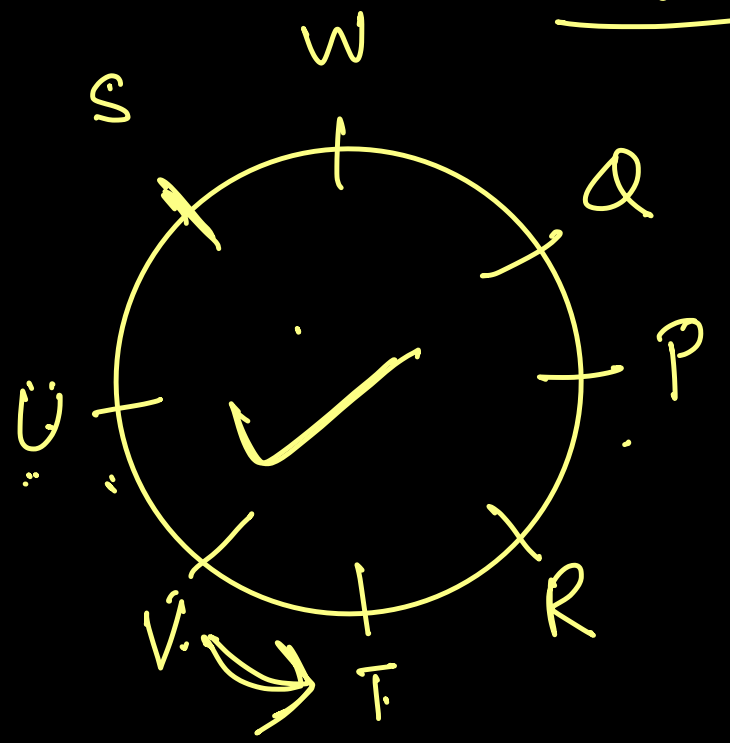
Which one is immediate right to the V ?

Q S W

facing center
Right ⇒ ACW
Left ⇒ CW

1. P
2. U
3. R
4. T





Four girls, Monika, Preeti, Abha and Raji, and three boys, Harsh, Punit and Sushant, are sitting in a row facing north such that no two girls are neighbours. Monika is to the immediate left of Harsh but is not adjacent to Sushant. Abha is to the immediate right of Punit but is not sitting at one of the ends. Harsh and Punit are the neighbours of Raji.

Who is sitting at the extreme right end?

(a) Harsh (b) Sushant

(c) Monika (d) Preeti

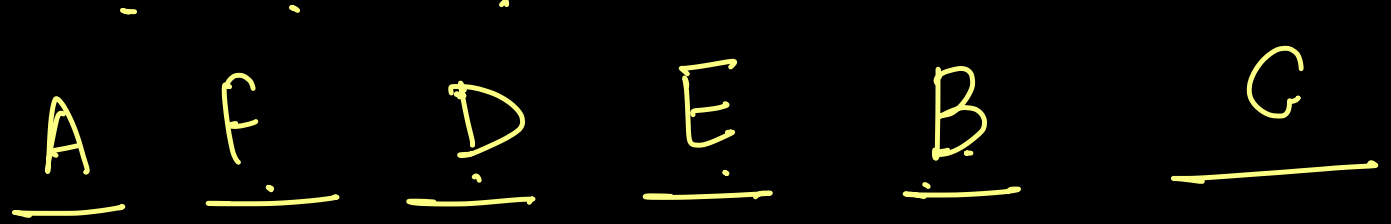
Monika | Harsh

—	Sushant	Monika	Harsh	Raji	Punit	Abha
G	B	G	B	G	B	G

Monika	Harsh	Raji	Punit	Abha	—	Preeti
G	B	G	B	G	B	G

Six students A, B, C, D, E and F are standing facing north but not necessarily in the same sequence. A is at one of the corners and F is beside him. B is to the immediate right of E. B is second from the right end. C is not beside F. Who is standing third from the left?

(a) D (b) E (c) F (d) C



E → B

There are seven row houses M, N, O, P, Q, R and S in a campus but not necessarily in the same sequence. P is not at any of the ends. R is to the immediate right of P. S is third from the left. O is at the left end. M is second from the right. O is not beside N.

Where is N located?

(a) Third from right

(b) At the right end

(c) Second from left

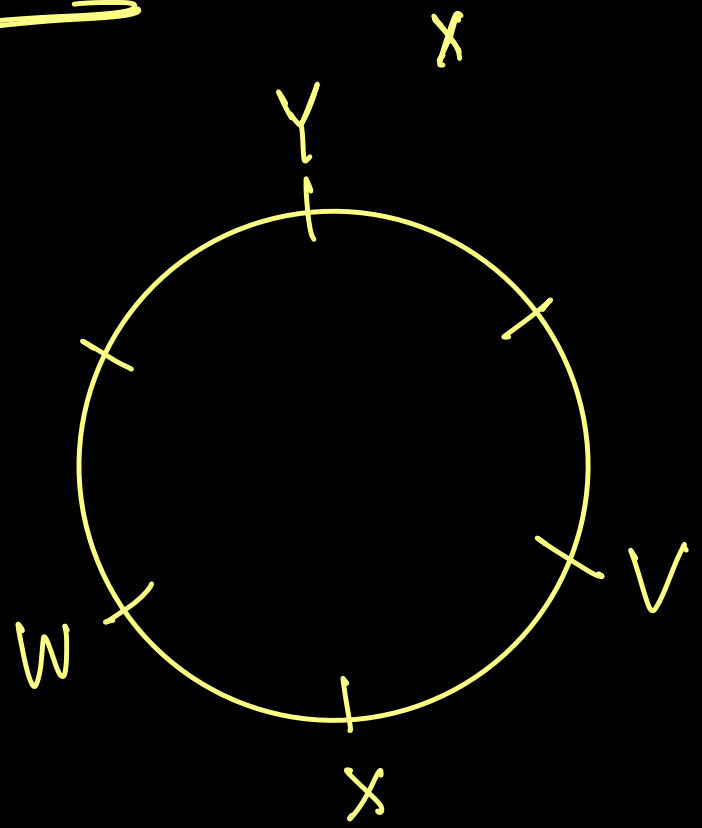
(d) Fourth from right

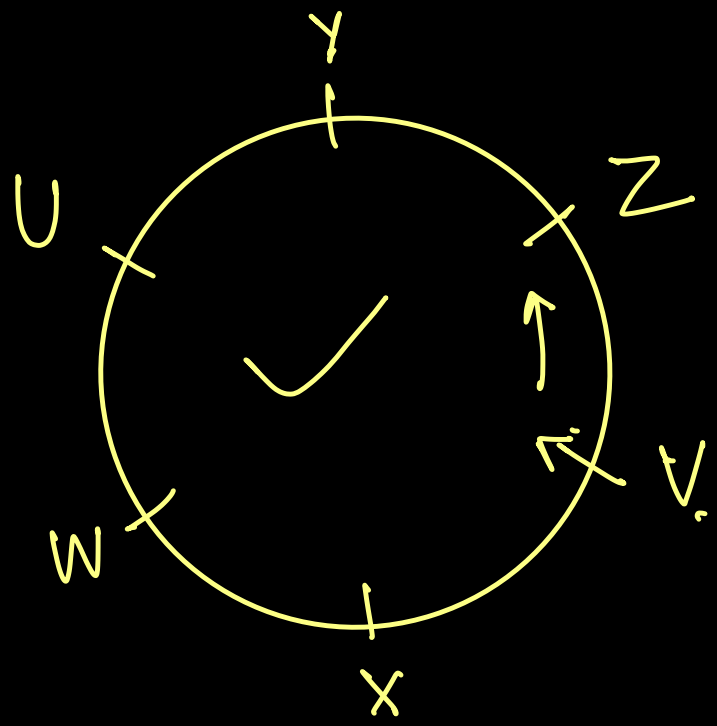
P → R

O Q S P R M N

Six persons are sitting around a circular table facing the centre. W is to the immediate left of X, who is sitting opposite Y. If V is second to the left of Y and exactly opposite U, what is the sitting location of Z?

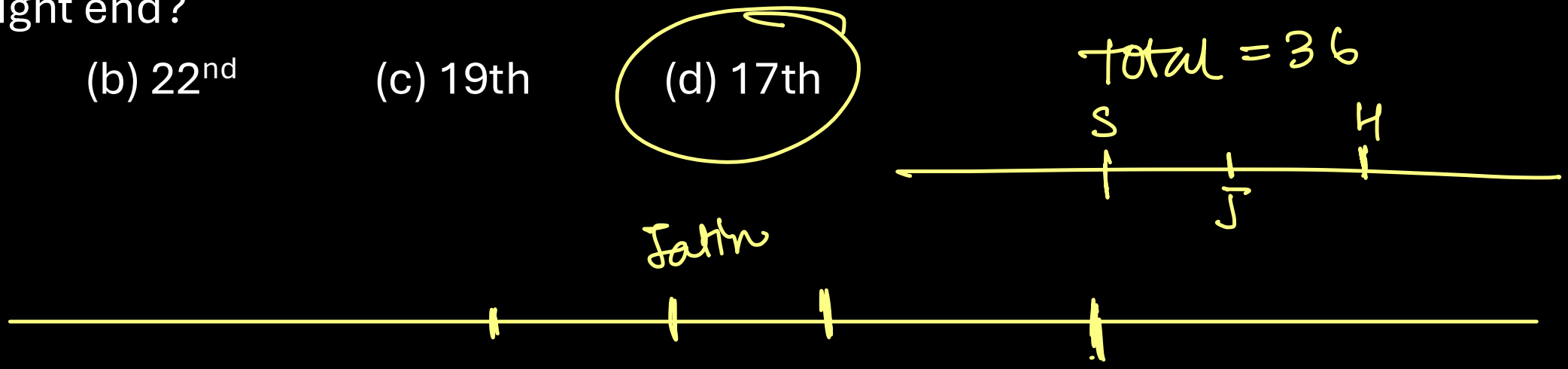
(a) Right of V (b) Right of Y (c) Opposite to X (d) Left of V





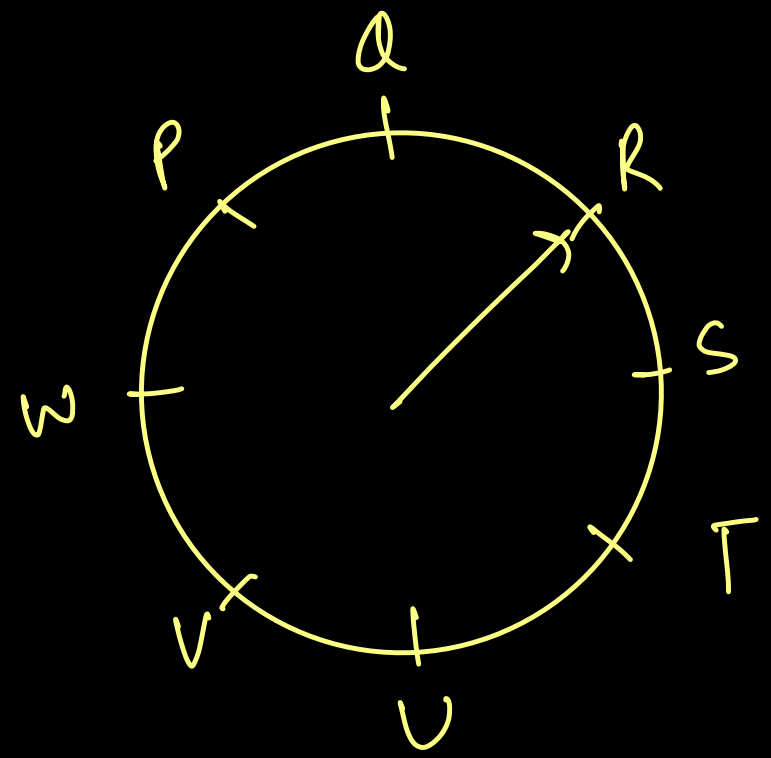
Thirty-six persons are sitting in a row facing north. Jatin is exactly in the middle of Harish and Shovan. After Harish and Shovan interchange their positions, Harish becomes 10th from the left end and Shovan becomes 13th from the right end. What is Jatin's position from the right end?

(a) 20th (b) 22nd (c) 19th (d) 17th



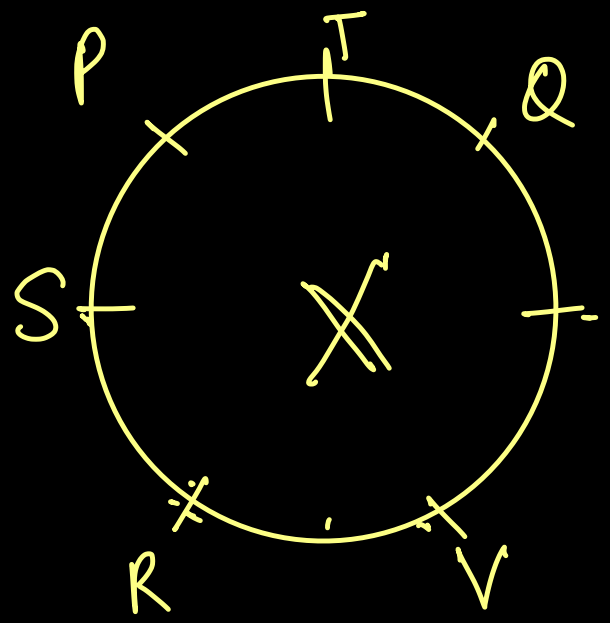
Eight friends P, Q, R, S, T, U, V and W in are sitting clockwise at equal distances in the same sequence around a circular table. All are facing the centre of the table. If U is sitting in the South, then who is sitting in the North-east direction?

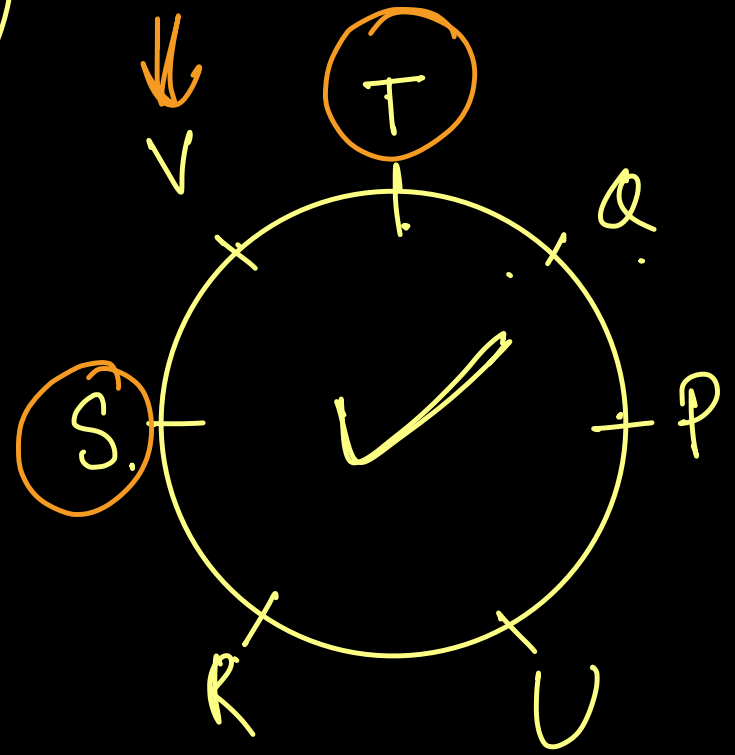
(a) R (b) T (c) Q (d) P



Seven girls P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Q is third to the right of R. V is third to the right of P. T is to the immediate right of Q. S is to the immediate left of R. U is sitting between R and P. Who is sitting between S and T?

(a) P (b) Q (c) R (d) V





Arpan, Lohit, Vinayak, Kripal and Ashraf are watching a movie. All are sitting in a line facing the screen. Kripal is to the immediate left of Ashraf. Vinayak is to the immediate left of Arpan. Lohit is second to the left of Arpan. Kripal is sitting at one of the corners. Who is sitting to the immediate right of Ashraf?

(a) Vinayak (b) Lohit

(c) Arpan (d) Kripal

Kripal Ashraf
Lohit Vinayak Arpan

Kripal Ashraf Lohit Vinayak Arpan

Seven boys A, B, C, D, E, F and G are standing in a row.

i. D is to the immediate left of F. (D F)

ii. A is to the immediate left of G. (A G)

iii. E and G have two boys between them.

iv. B is between D and G.

Who is standing exactly in the middle?

(a) C (b) D (c) G (d) B

E C A G B D F

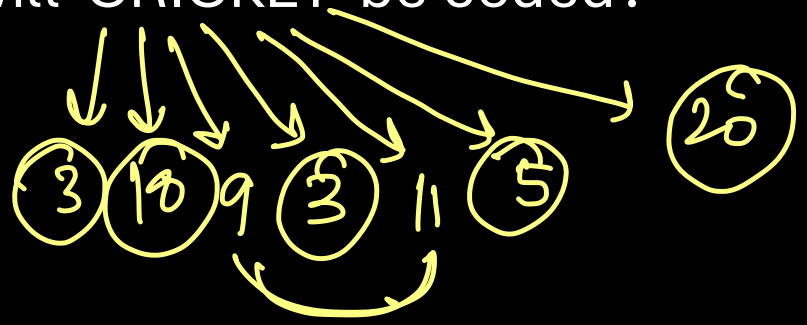
E A G D F

If 'J' coded as '20' and 'BAT' is coded as '46' then how will 'CRICKET' be coded?

(a) 138 (b) 158 (c) 142 (d) 140

J → 10 → 20
×2

BAT ⇒ 23 → 46
2 1 20 ×2



69 × 2 =

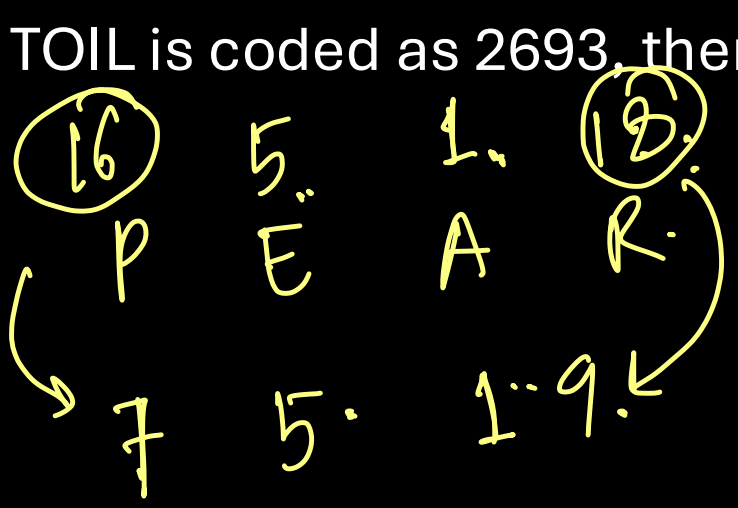
If PEAR is coded as 7519 and TOIL is coded as 2693, then how will DOCTOR be coded ?

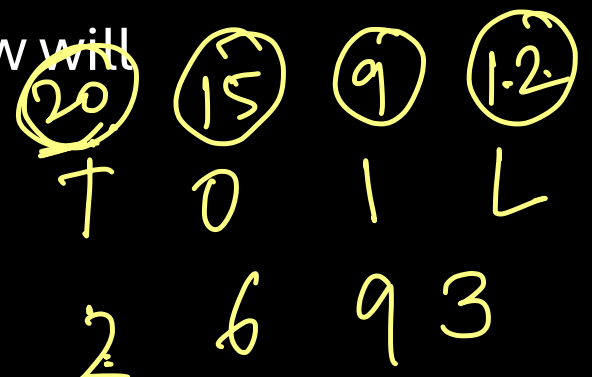
(a) 463269

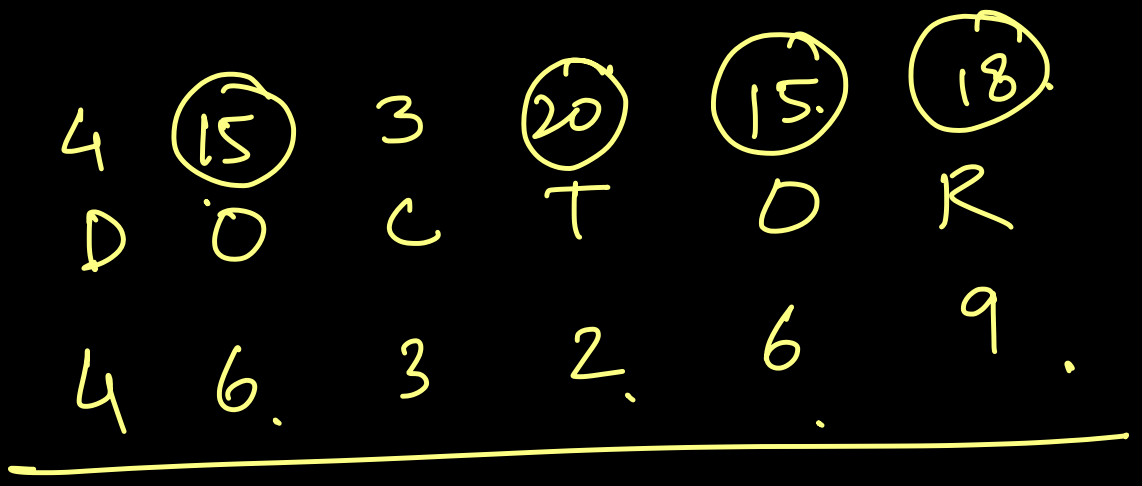
(b) 463729

(c) 463296

(d) 463239



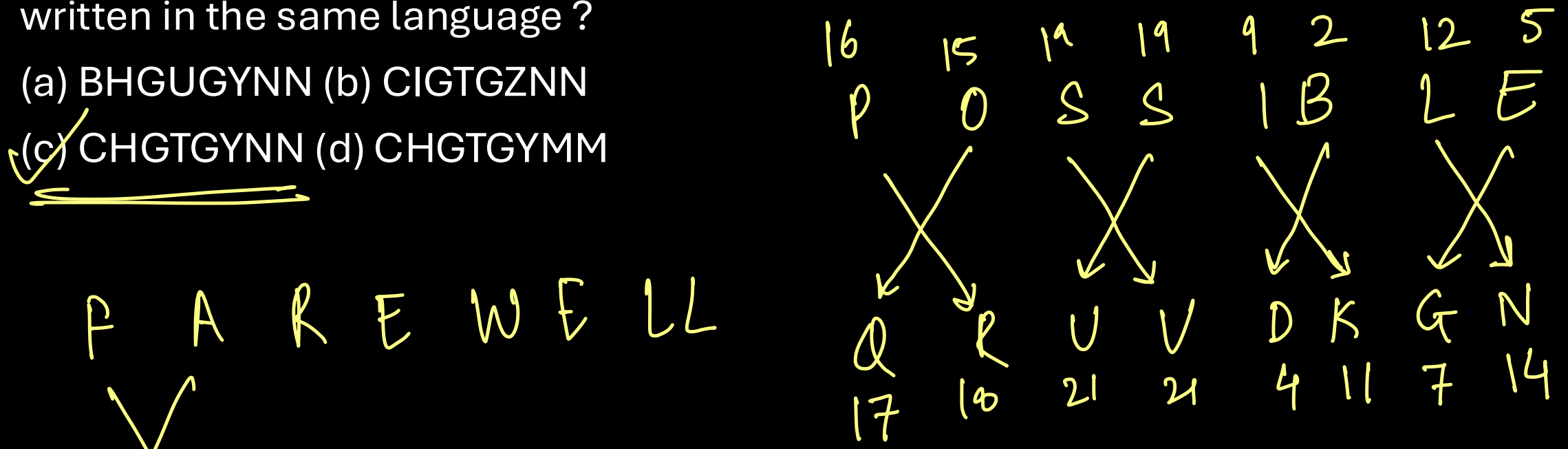




In a code language, ‘POSSIBLE’ is written as ‘QRUUDKGN’. How will ‘FAREWELL’ be written in the same language ?

(a) BHGUGYNN (b) CIGTGZNN

(c) CHGTGYNN (d) CHGTGYMM



If YOGHURT is coded as 7678392, then how will QUICKLY be coded as?

(a) 8393117 (b) 8393237

(c) 7383237 (d) 8393127

25	15	7	8	21	18	20
Y	O	G	H	U	R	T
↓	↓	↓	↓	↓	↓	↓
7	6	7	8	3	9	2

Q	U	I	C	K	L	Y
17	21	9	3	11	12	25
8	3	9	3	2	3	7

In a certain code language, 'PANKIL' is written as 'SDQNLO'.
What is the code for 'ROHANS' in that code language?
(a) VRKDQU (b) VRKDQV (c) URKDQU (d) URKDQV

18 15 8 1 14 19
R O H A N S

+3

U R K D Q V

16 P 1 A 14 N 11 K 9 I 12 L

+3 +3 +3 +3 +3 +3

S D Q N L O
19 4 17 14 12 15

In a certain code language,

'GUD' is written as '31',

'PUH' is written as '44'.

What is the code for 'FAR' in that code language?

(a) 25 (b) 23 (c) 24 (d) 26

G U D

7 + 21 + 4 = 32 − 1 = 31

P U H = 45 − 1 = 44

16 21 8

F A R = 25 − 1 = 24

6 1 18

In a certain code language,

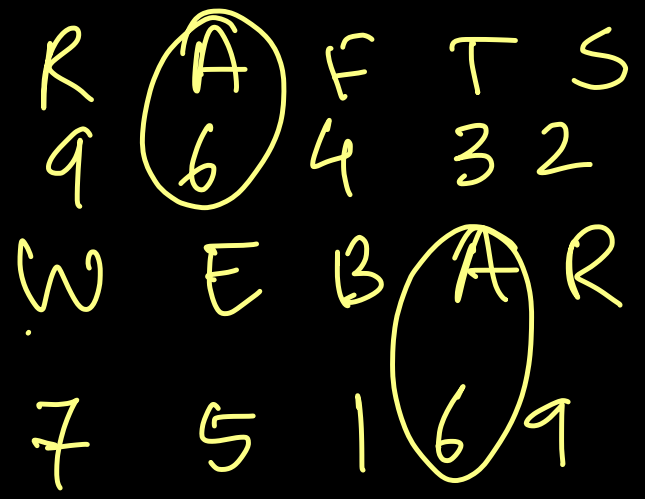
'RAFTS' is written as '96432',

'WEBAR' is written as '75169'.

What is the code for 'FRAWT' in that code language?

(a) 49673 (b) 49672

(c) 49675 (d) 49671



F R A W T

4 9 6 7 3

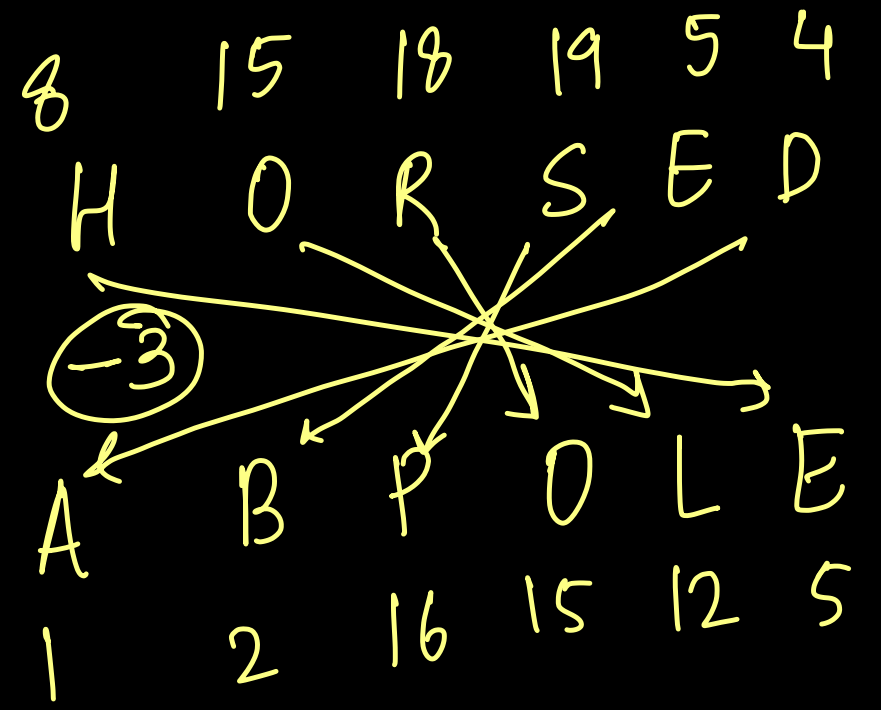
In a certain code language,

'HORSED' is written as 'ABPOLE'.

What is the code for 'PRISON' in that code language?

(a) LMQGPN (b) LNQGPN

(c) KMPFOM (d) KLPFOM



16 18 9 19 15 14

P R I S O N

K L M

In a certain code language, ‘CHIRPS’ is written as ‘AJGTNU’.

What is the code for ‘RAINED’ in that code language?

(a) QEHQEG (b) PDGPDF

(c) PCGPCF (d) QDHQDG

3 8 9 18 16 19

C H I R P S

−2 +2 −2 +2 −2 +2

A J G T N U

1 10 7 20 14 21

18 1 9 14 5 4

R A I N E D

P C G P C F

In a certain code language, 'SOL,' is written as '45', 'KIN' is written as '33'. What is the code for 'OWL' in that code language?

(a) 49 (b) 50 (c) 48 (d) 51

S O L = 46 − 1 = 45
19 15 12

K I N = 34 − 1 = 33
11 9 14

O W L = 50 − 1 = 49
15 23 12

In a certain code language,

'FLOWER' is written as 'GKPVFQ'.

What is the code for 'PRODUC' in that code language?

(a) RRWDQC (b) RRQDWC

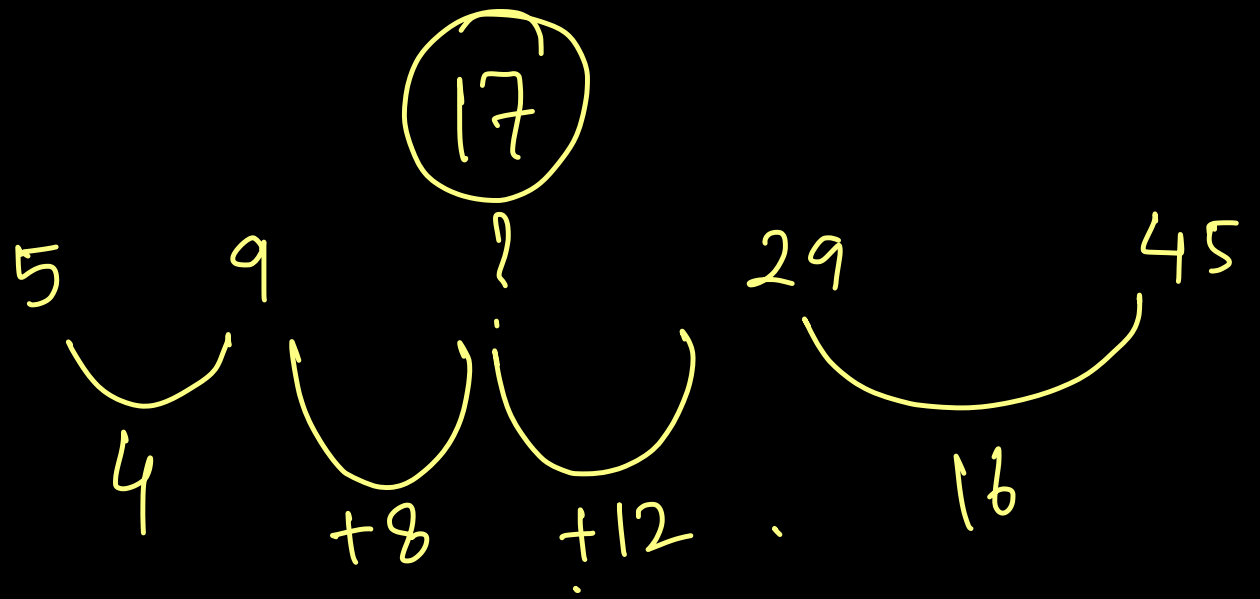
(c) QQRCVB (d) QQPCVB

Q Q P

6	12	15	23	5	18
F	L	O	W	E	R
+1	−1	+1	−1	+1	−1
G	K	P	V	F	Q
7	11	16	22	6	17

5 , 9 , ? , 29 , 45

(a) 25 (b) 17 (c) 15 (d) 19

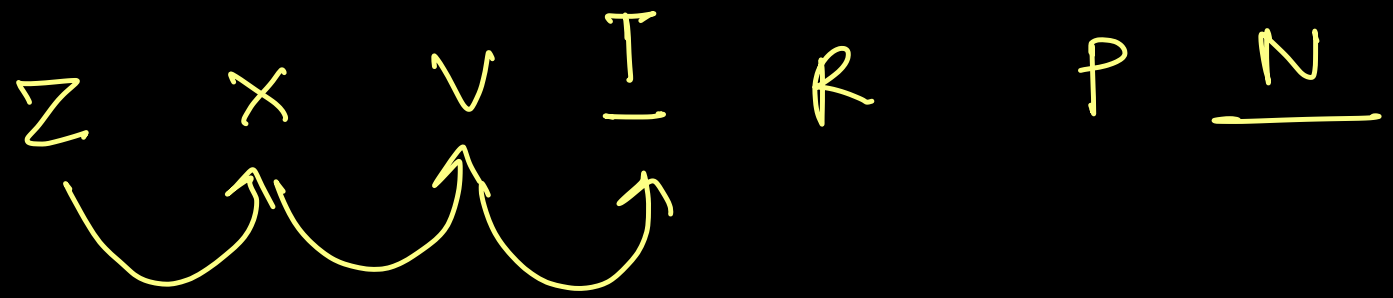


89. ⇒ 4 9 16

Z , X , V , ? , R , P , ?

(a) S , N (b) S , O

(c) T , O (d) T , N



ADH , XAE , UXB , RUY , ?

(a) OSV (b) PRV

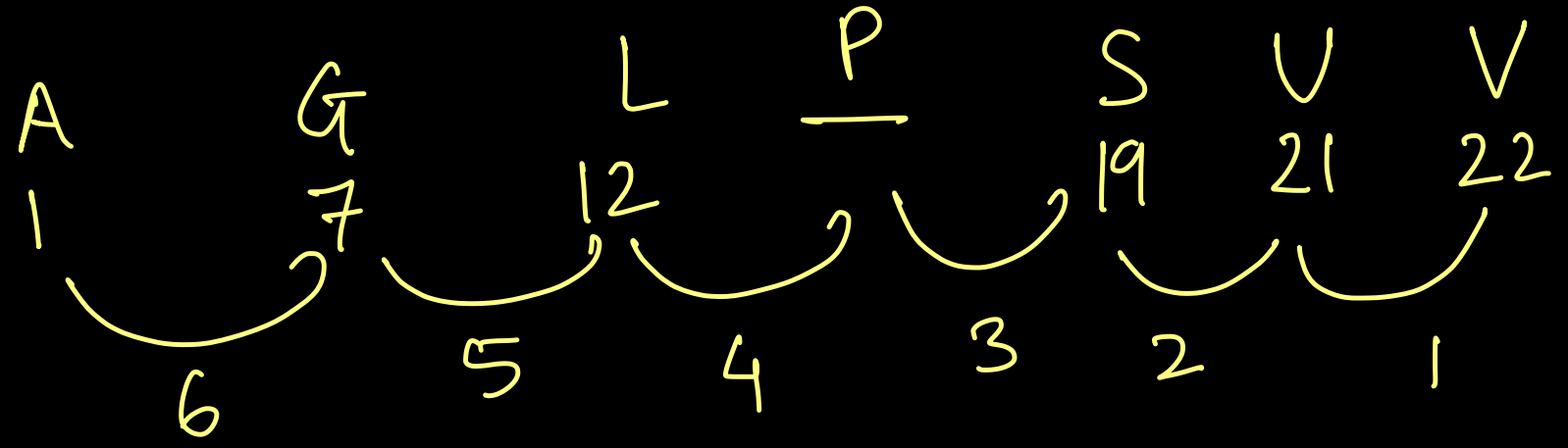
(c) ORV (d) ORU

O R V

A , G , L , ? , S , U , V

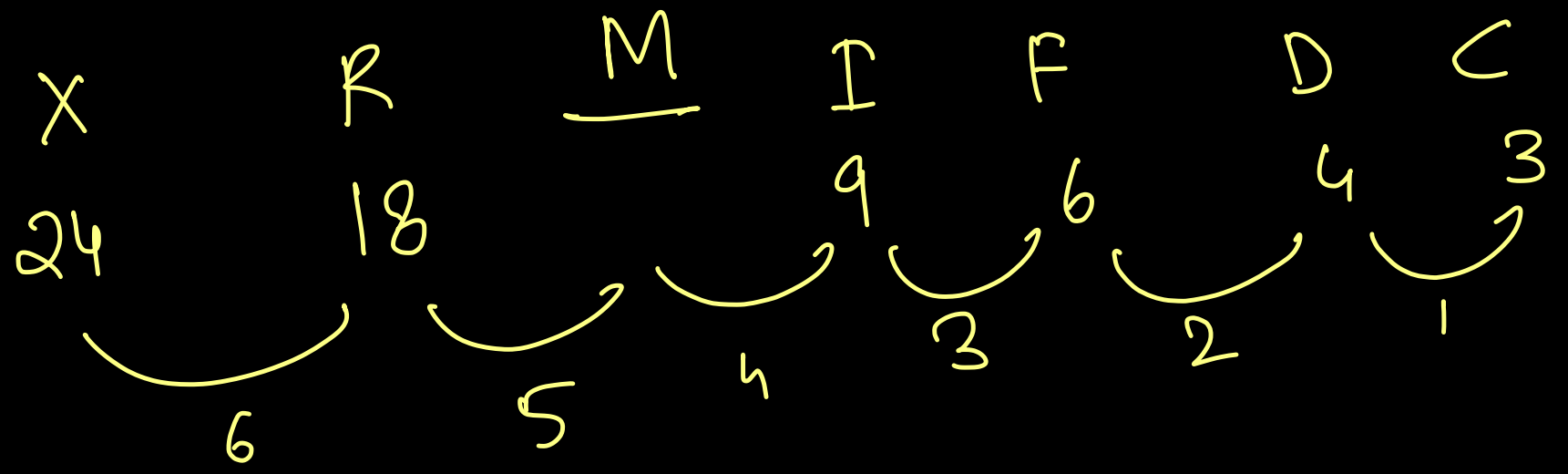
(a) P (b) O

(c) N (d) Q



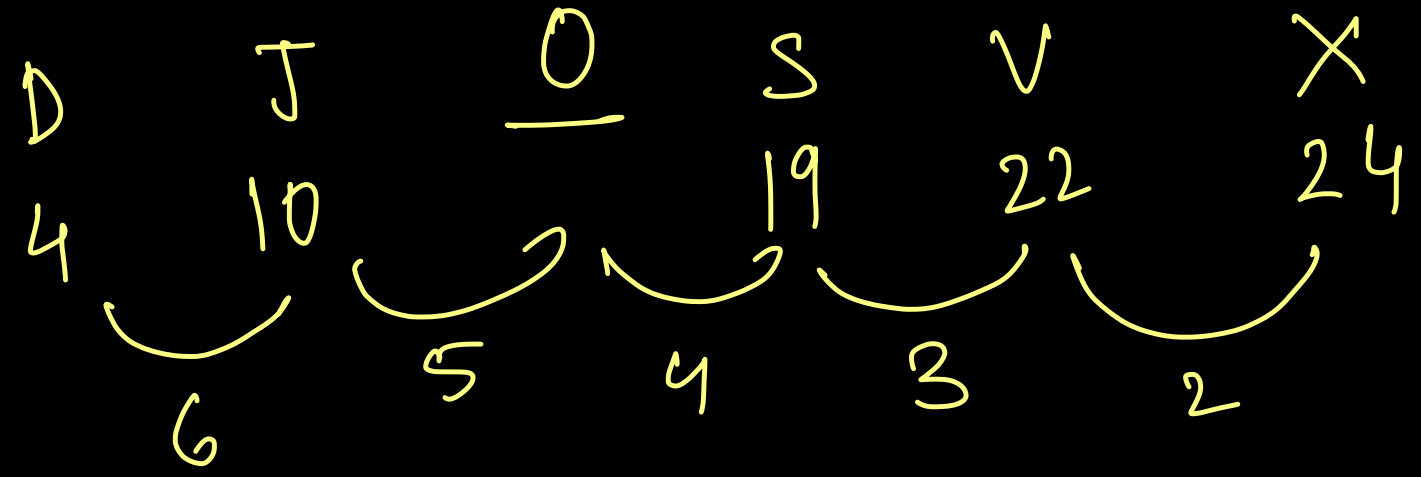
X, R, ?, I, F, D, C

(a) Q (b) M (c) N (d) O



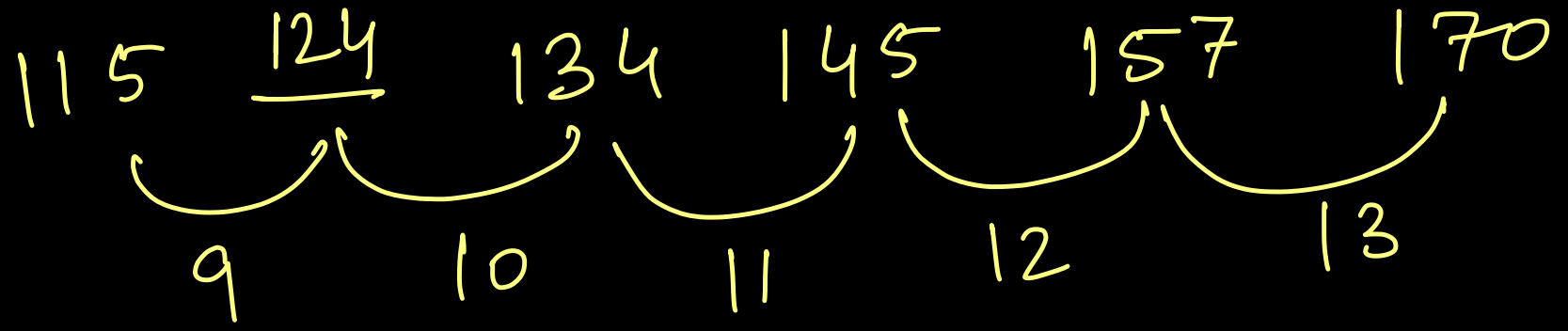
D , J , ? , S , V , X

(a) O (b) M (c) P (d) Q



115, ?, 134, 145, 157, 170

(a) 124 (b) 122 (c) 125 (d) 127



DOP , FPN , HQL , JRJ , ?

(a) LSH (b) LSI

(c) KSH (d) KTI

L S H

T C _ M B C D N T C Q M B C D N T C Q M B C D N

(a) TDCBNCD

(b) QDDBCCN

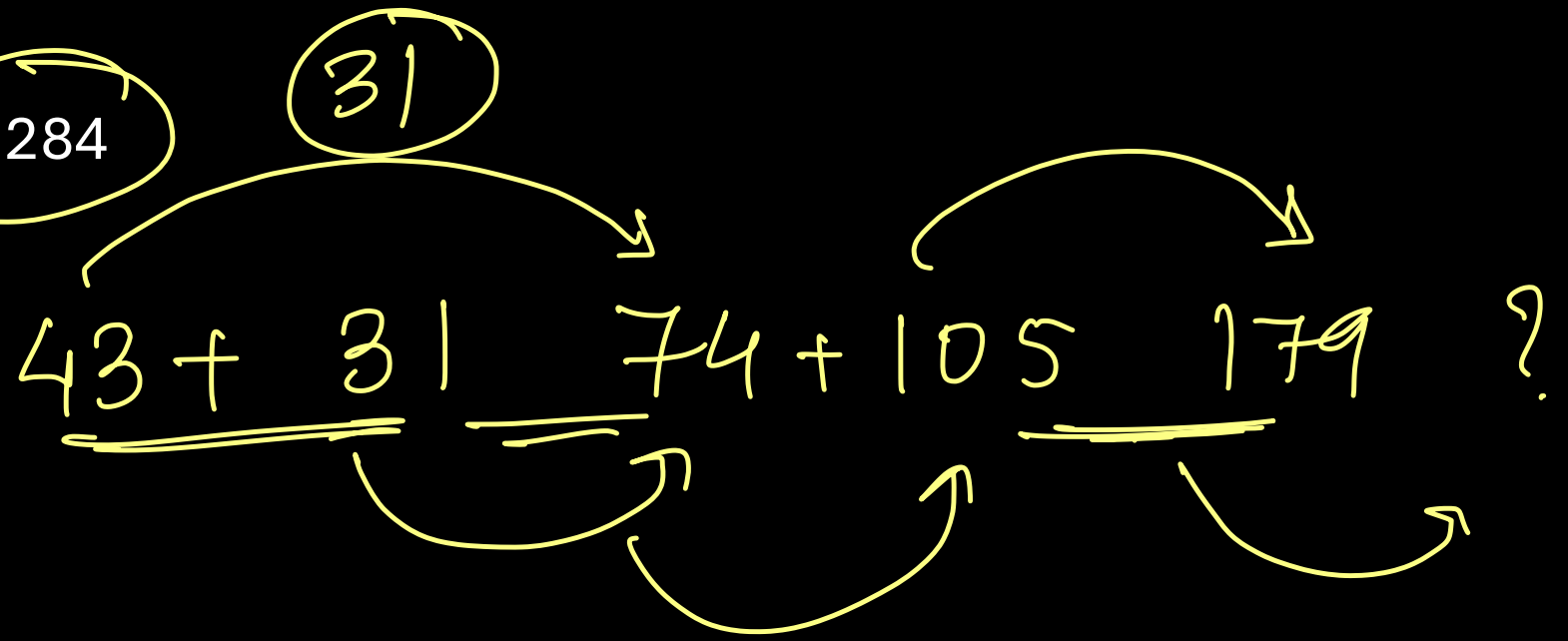
(c) QDCBNCC

(d) QBCDNNC

T C Q M B C D N

43,31,74,105,179,?

(a) 263 (b) 279 (c) 294 (d) 284



284

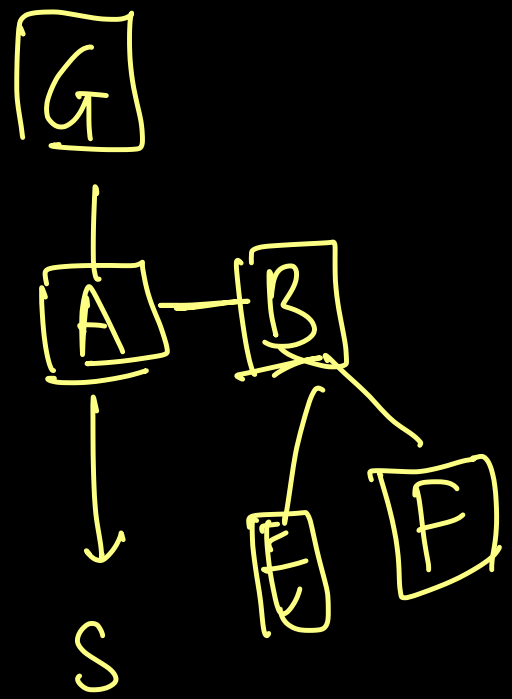
G is the grandfather of S. B has only two sons E and F. A and B are the only sons of G. Who is the father of S?

(a) F

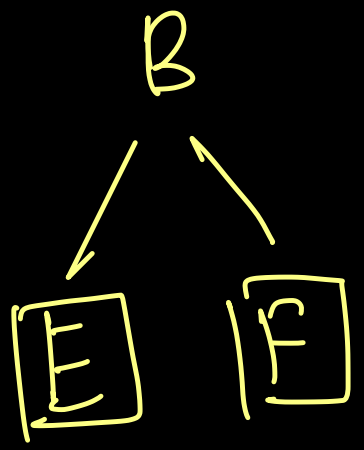
(b) B

(c) E

(d) A



A B



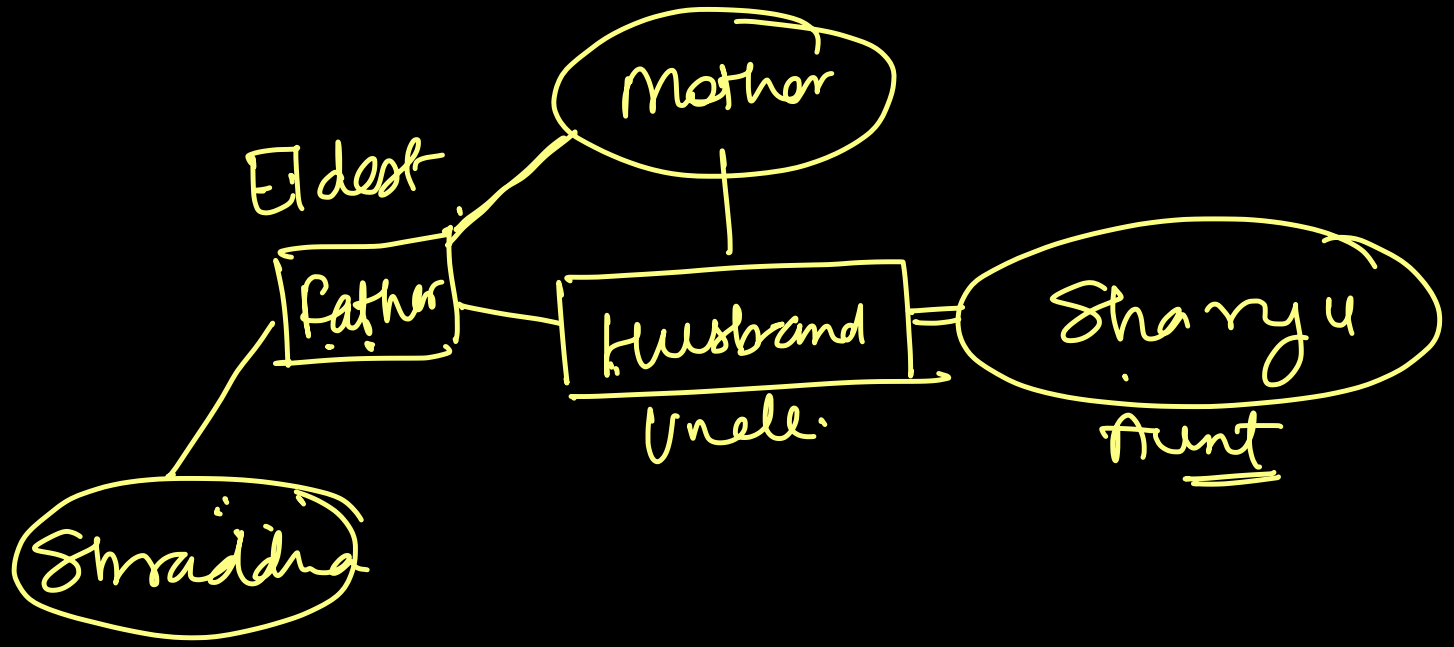
Shraddha says to Sharayu, "Your mother-in-law is my father's mother who is the eldest son, but your husband is not my father." How is Sharayu related to Shraddha?

(a) Niece

(b) Daughter

(c) Mother

(d) Aunt



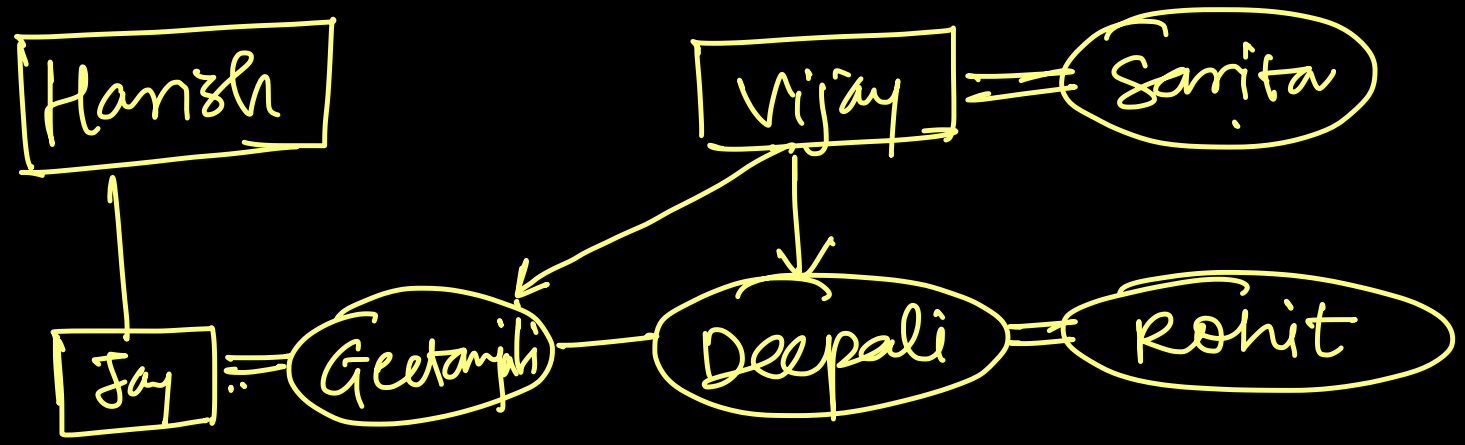
Jay is husband of Geetanjali who is sister of Deepali. Deepali is the daughter of Vijay. Sarita is the mother-in-law of Rohit. Harish Chander is the father of Jay and Sarita is the wife of Vijay. Vijay and Sarita have only two daughters. How is Rohit related to Vijay?

(a) Son

(b) Father

(c) Brother

(d) Son-in-law



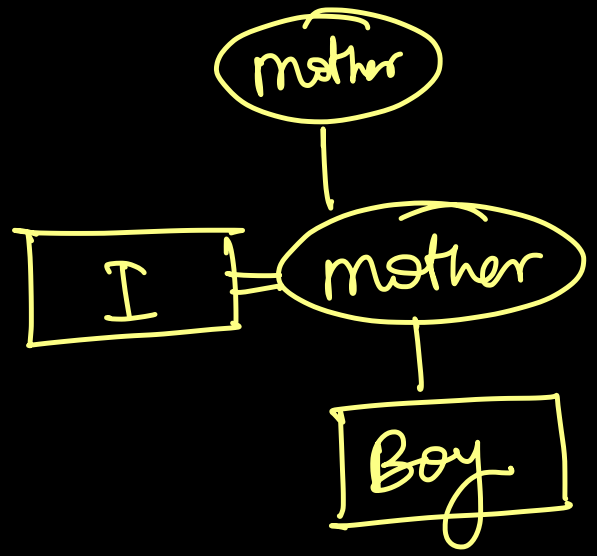
Introducing a boy, I said, "His mother is the only daughter of my mother in law". How am I related to the boy?

(a) Brother

(b) Father

(c) Brother-in-law

(d) Nephew



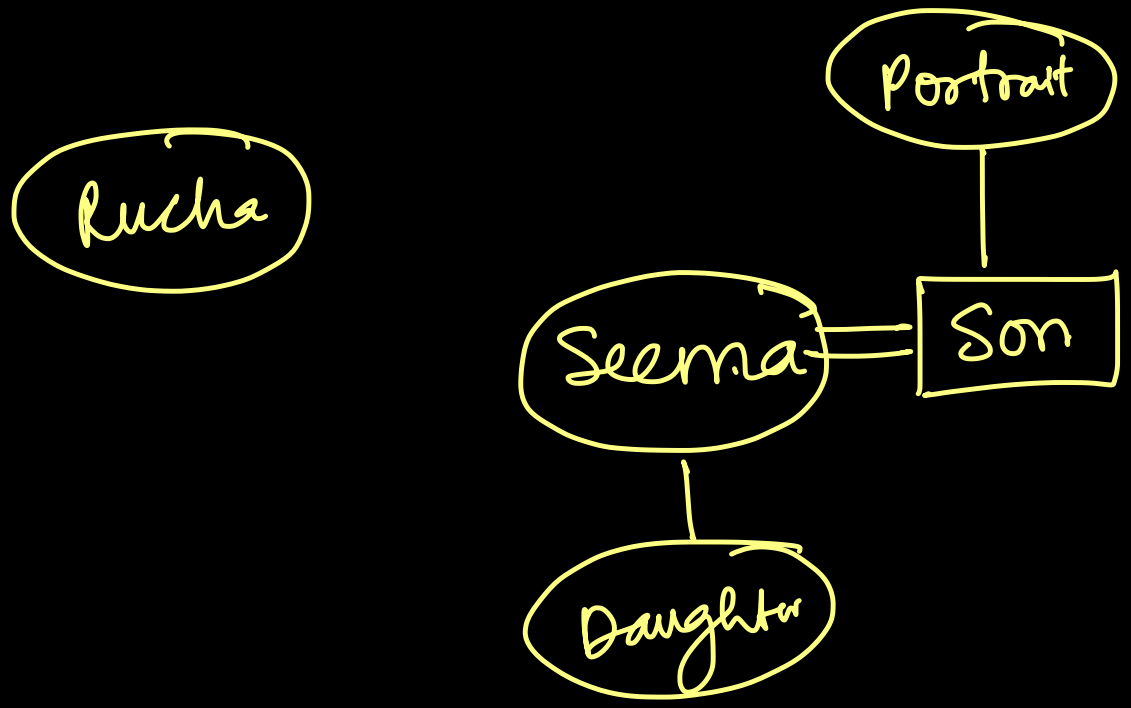
Seeing a portrait, Rucha asked Seema, "Whose portrait is this?". Seema replied, "Her son is the father of my daughter". Whose portrait is it?

(a) Seema

(b) Seema's mother-in-law

(c) Seema's sister

(d) Seema's mother



Ronita's only brother Vikram is the husband of Kartik's mother Sejal.

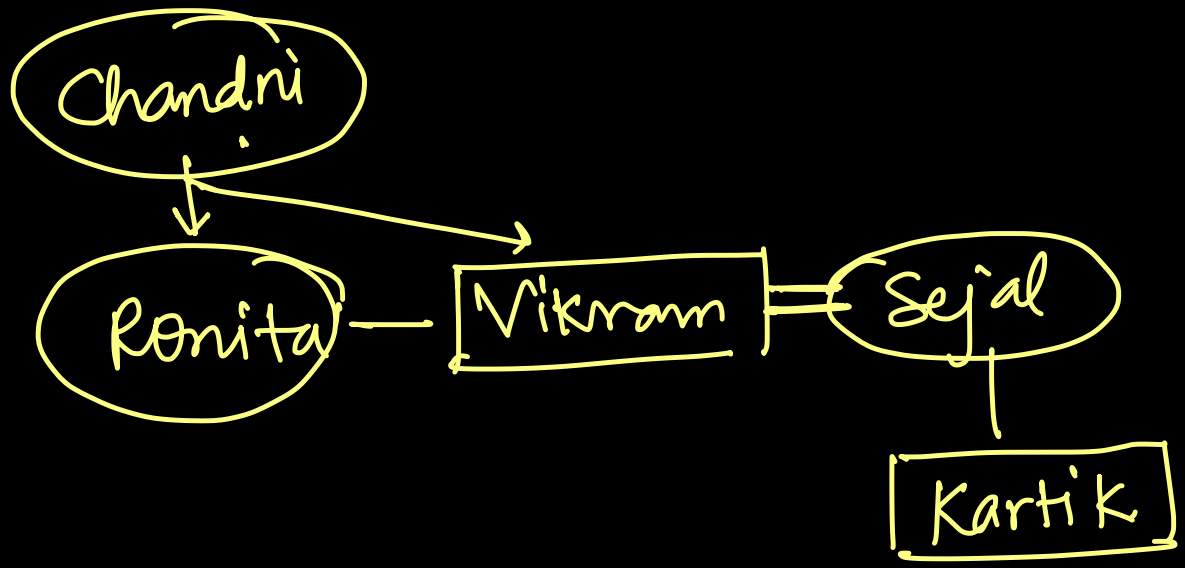
How is Ronita's mother Chandni related to Kartik?

(a) Mother-in-law

(b) Maternal grandmother

(c) Paternal aunt

(d) Parental grandmother



'A % B' means 'A is the mother of B'

'A $ B' means 'A is the father of B'

'A #B' means 'A is the brother of B'

'A & B' means 'A is the sister of B'

Maternal ⇒ Mother

Paternal ⇒ Father

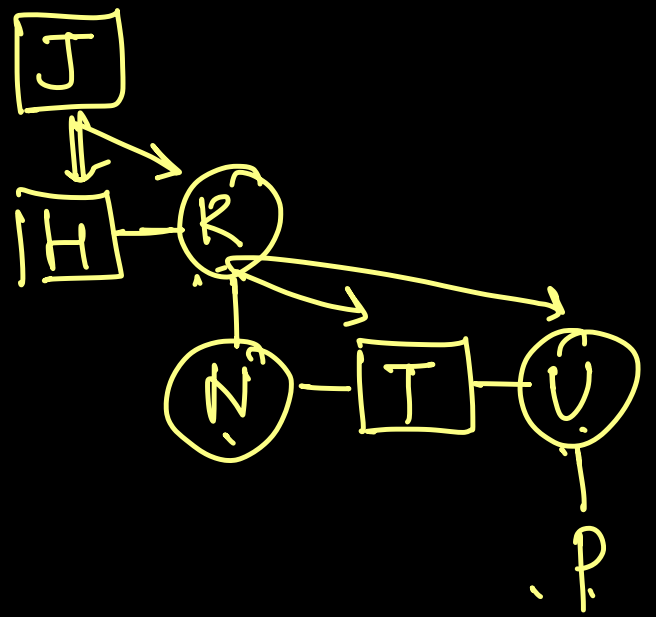
If J $ H # R % N & T # U % P, then which of the following statements is NOT correct?

(a) J is the maternal grandfather of N. ✓

(b) R is the maternal grandmother of P ✓

(c) R is the mother of U. ✓

(d) N is the sister of P. ✗



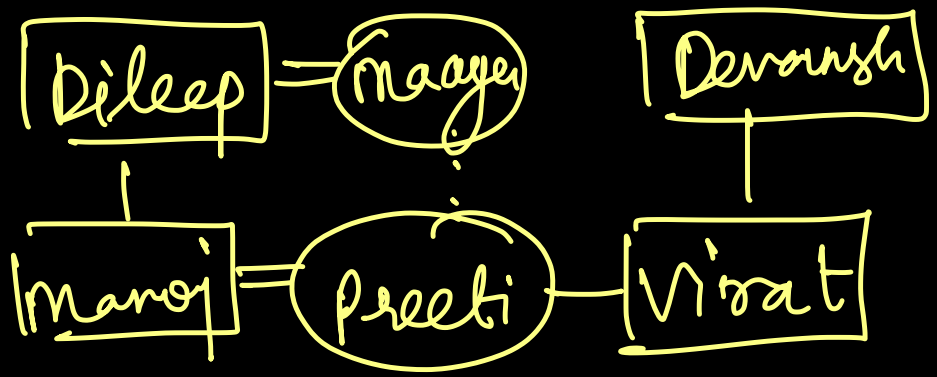
Preeti is the only sister of Virat. Manoj is the son of Dileep, who is the husband of Maaya. Virat is the son of Devansh. Devansh is Manoj's father-in-law. How is Maaya related to Preeti?

(a) Daughter-in-law

(b) Sister-in-law

(c) Mother

(d) mother-in-law



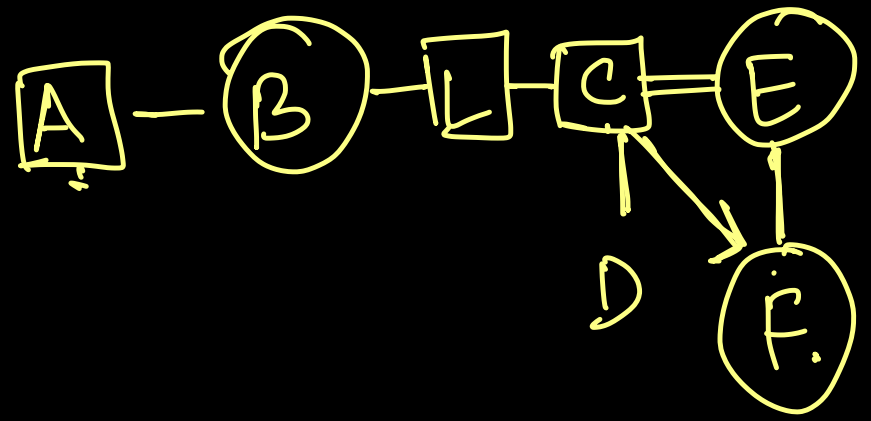
If A is the brother of B, C is the father of D, F is the daughter of E, L is the brother of D's father, B is the sister of L and E is the wife of C, then how is F related to A?

(a) Aunt

(b) Daughter in law

(c) Sister

(d) Niece



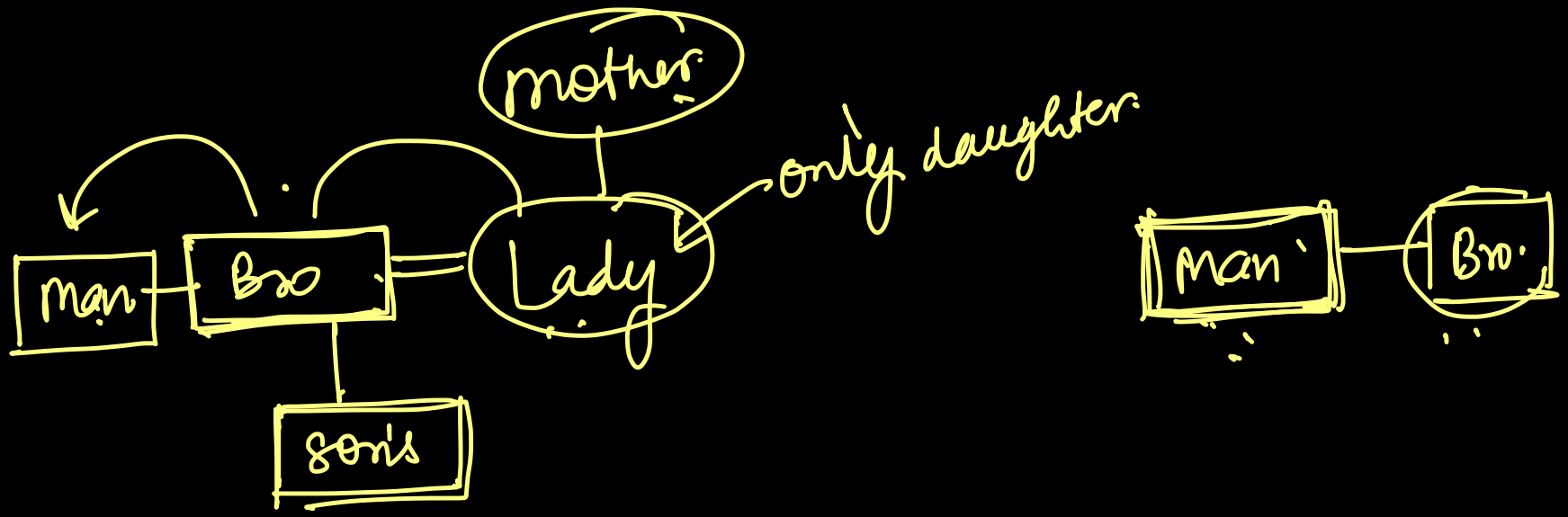
Pointing towards a man a lady said, "His brother is my mother's only daughter's husband's son's father'. How is the man related to the lady's husband?

(a) Brother-in-law

(b) Brother

(c) Father

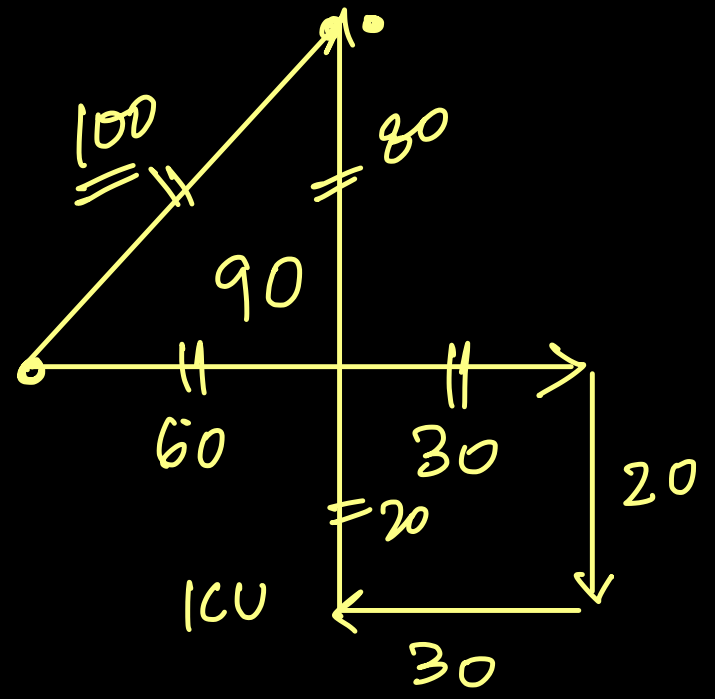
(d) Paternal uncle



A Nurse moved 90 m in the East in a hospital to look for her duty Doctor, then she turned right and went 20m. After this she turned right and after going 30m she reached I.C.U, but the Doctor was not there. From there she went 100m to her north and met her doctor. What distance did she move to meet her duty doctor from the starting point.

(a) 80 m (b) 100 m

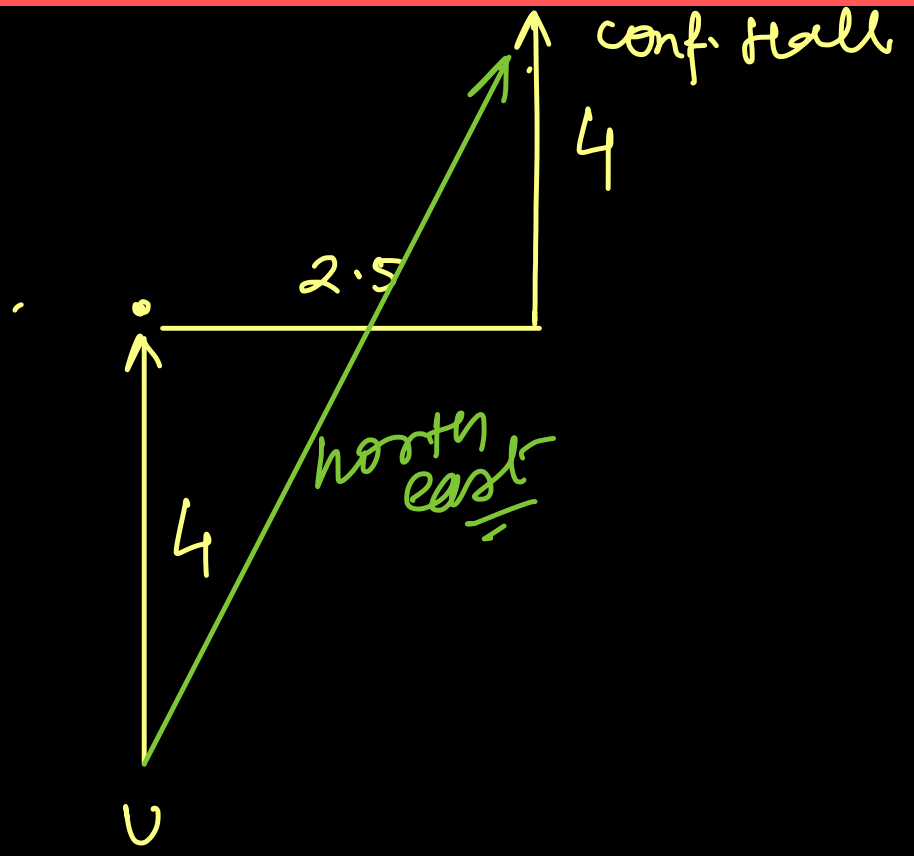
(c) 140 m (d) 120 m



Rama walks from his university campus 4 km towards north and then turns to the right to reach his department. After walking 2.5 km from the department he turns to the left and walks 4 km and reached Conference hall. Now in which direction is he from the starting place?

(a) South (b) West

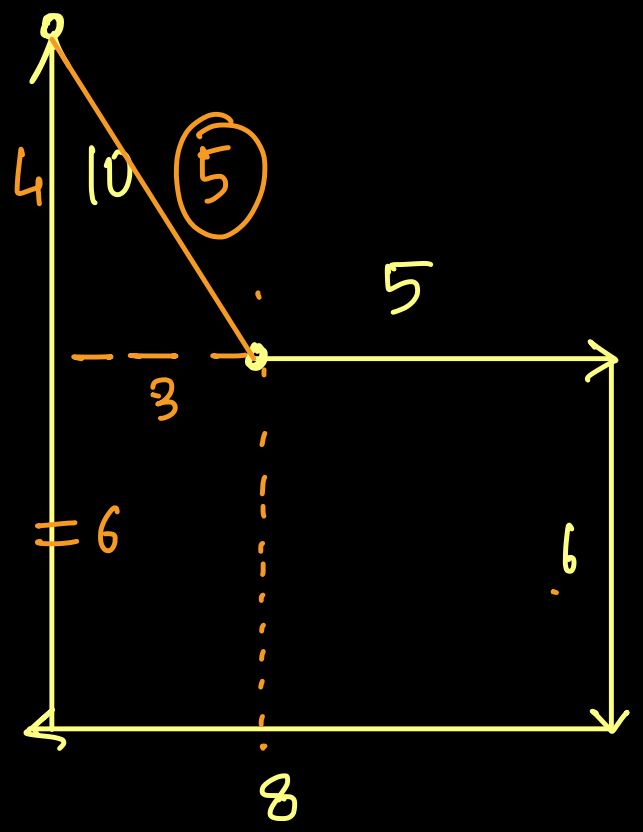
(c) South-West (d) North-East



A farmer is preparing his field. He starts his tractor from the garage and drives 5 km towards the east. From there he turns right and drives 6 km. Then, he turns right and drives 8km. Again, he turns right and drives 10 km when his tractor breaks down. What is the shortest distance between his current location and garage?

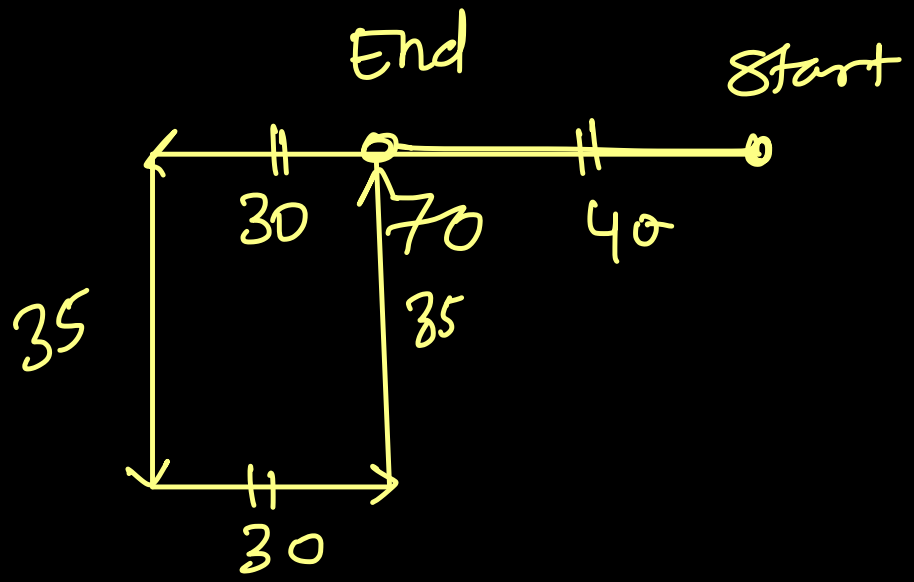
(a) 9 km (b) 6 km

(c) 5 km (d) 2 km



Rishabh starts walking towards the west. After walking 70 m he turns to the left and walks 35 m straight. He turns left again and walks 30 m, again he turns to the left and walks a distance of 35 m. How far is he from the starting point?

(a) 60m (b) 100m (c) 70m (d) 40m



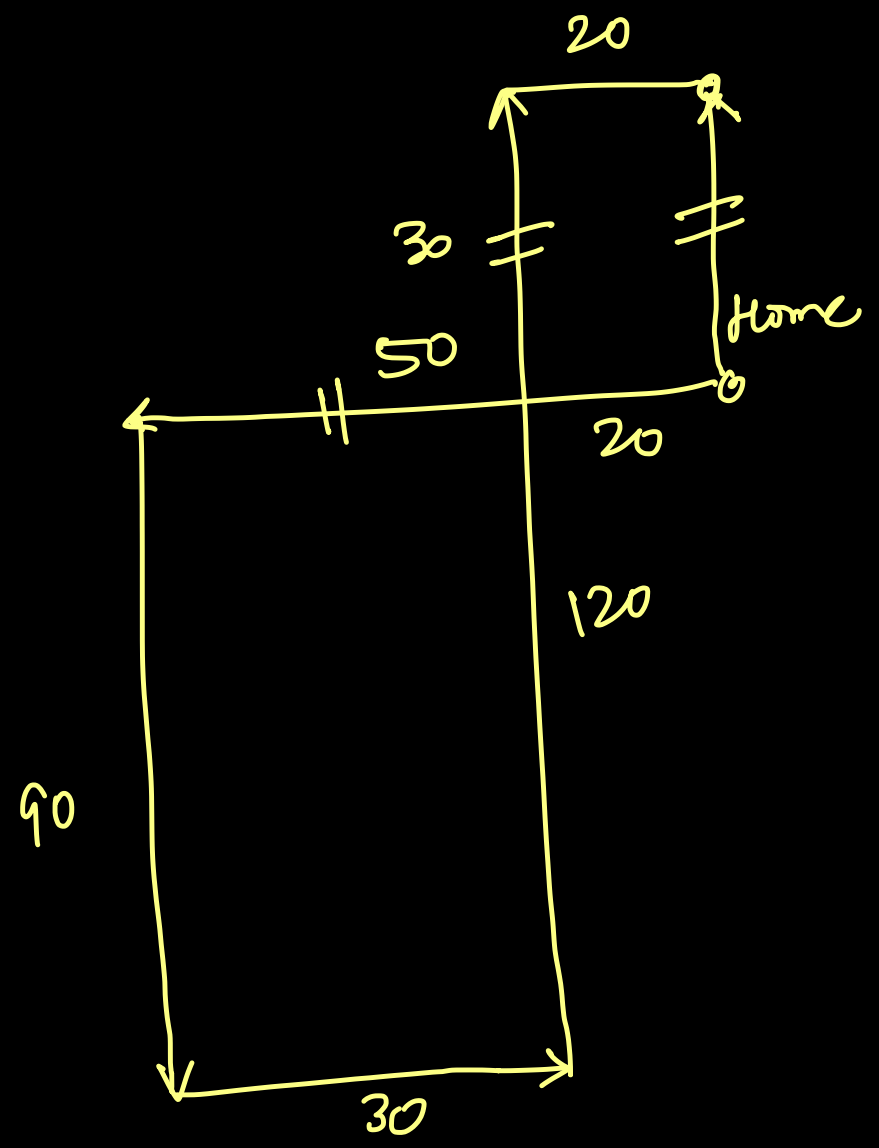
Richa starts walking from her home and walks 50m towards west and then turns left and walks 90m. Then she again turns left and walks 30m. After that she again turns left and goes 120 m. She finally turns right and walks 20m and reaches her final destination. How far is she from her home now and in which direction in reference to her home?

(a) 40m, North West

(b) 30m, South

(c) 40m , North East

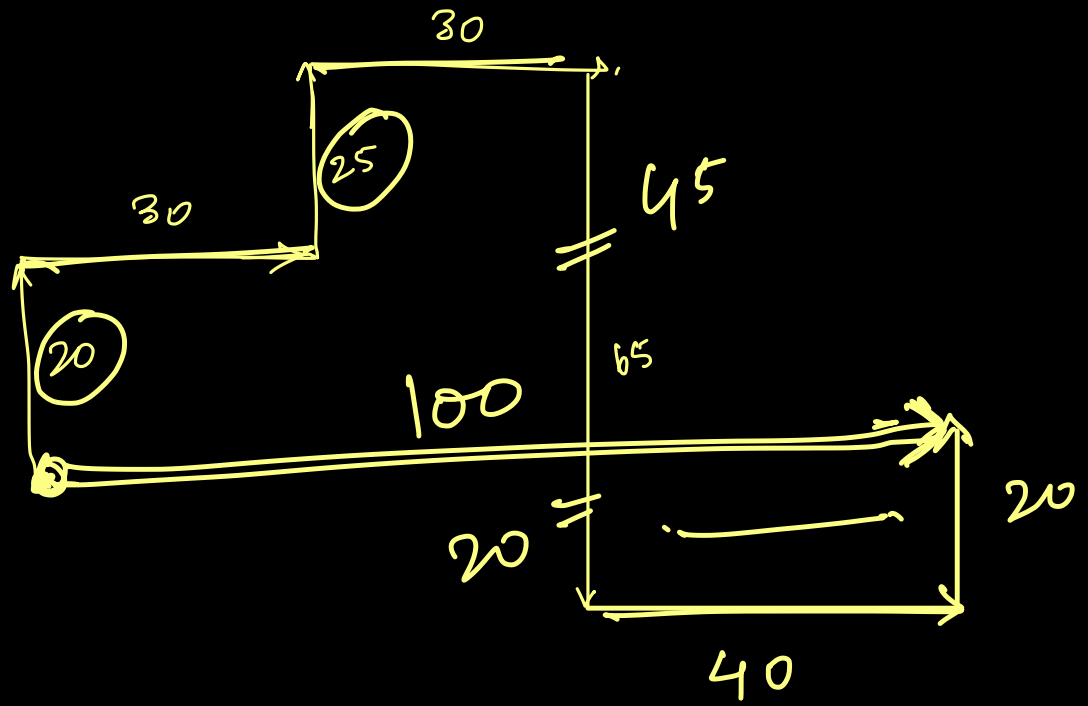
(d) 30m, North



Ameeta walks 20 m towards the north and then turns right and walks 30m. Then she turns left and walks 25m. After that she turns right and walks 30m . From there, she turns right and walks 65m. Then she again turns left and walks 40 m . She finally turns left and walks 20m . How far is she from her home now and in which direction with reference to her home?

(a) 20m, west (b) 40m , south

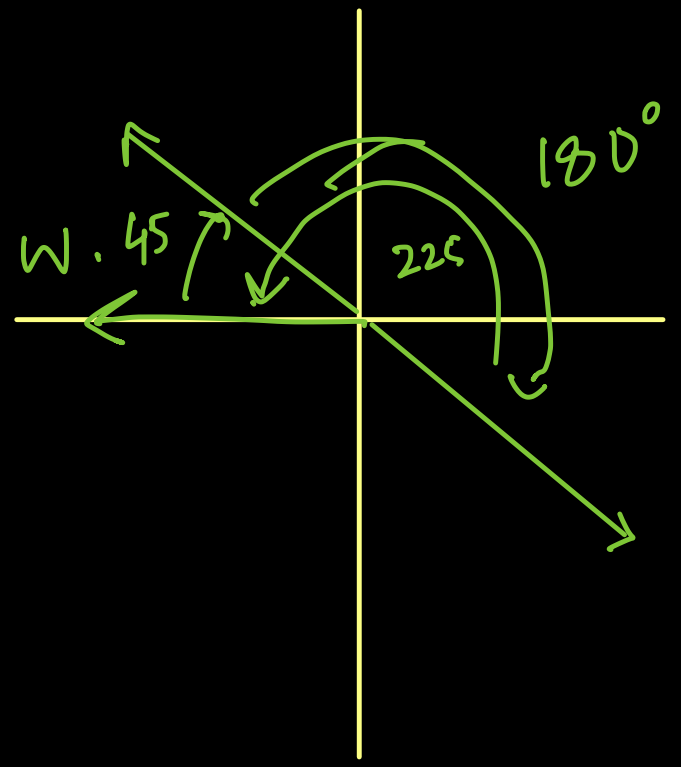
(c) 100m, East (d) 20m, East



Rohan is facing west and turns 45° clockwise, again 180° clockwise and then turns 225° anticlockwise. In which direction is he facing now?

(a) West (b) East

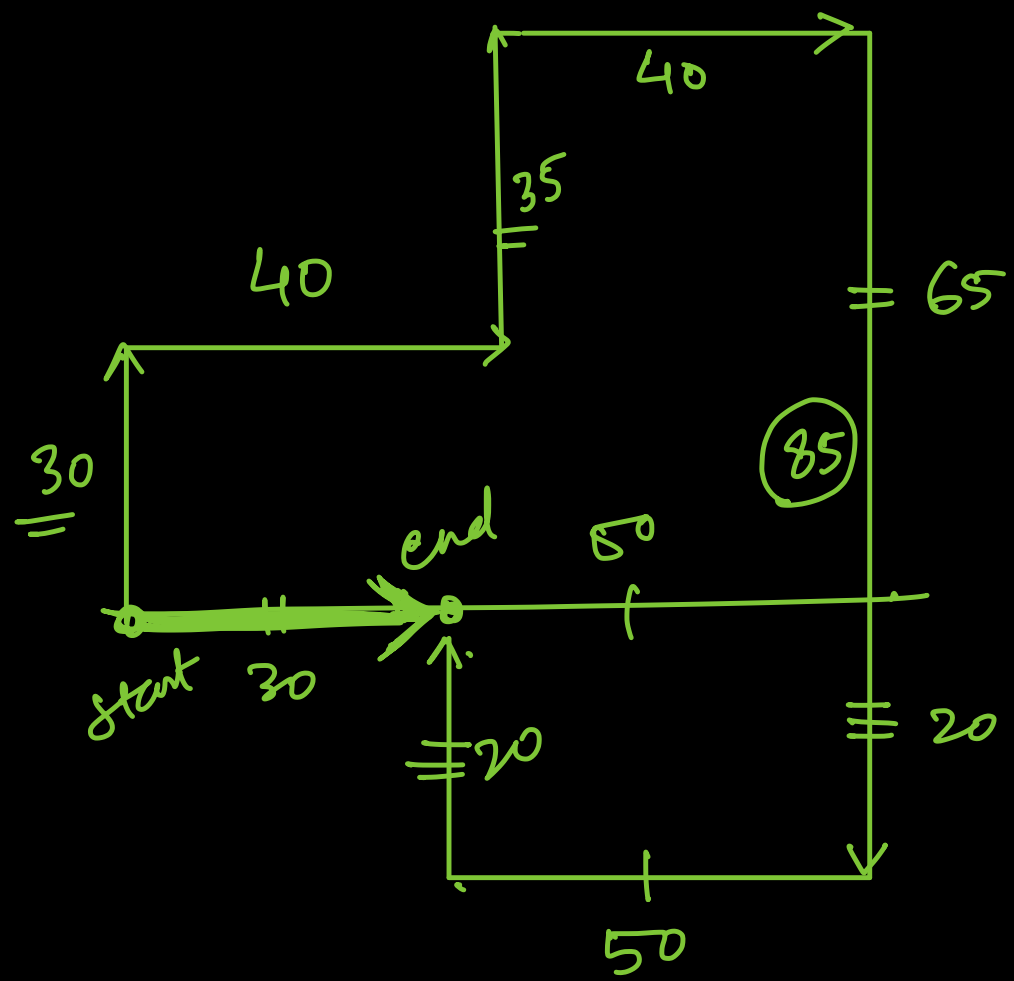
(c) South (d) North



Vimla starts from her home and walks 30 m towards north and then turns right and walks 40 m. Then, she turns left and walks 35 m. After that, she turns right and walks 40 m. From there, she turns right and walks 85 m. Then, she again turns right and walks 50 m. From there, she finally turns right and walks 20 m. How far is she from her home now and in which direction with reference to her home?

(a) 30 m, South (b) 20 m, West

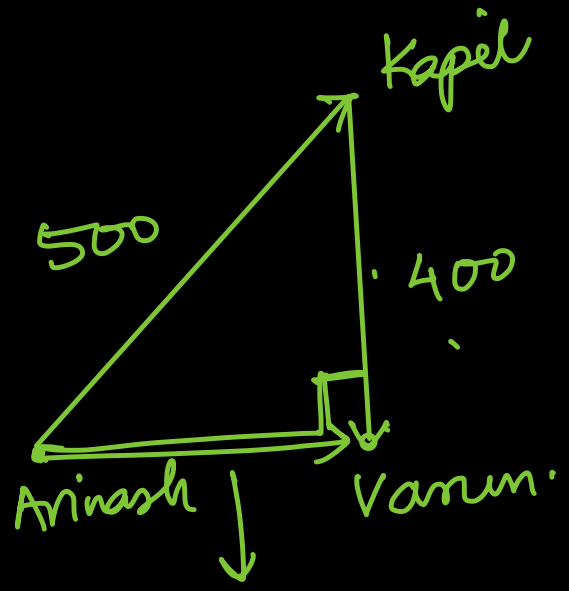
(c) 100 m, East (d) 30 m, East



From his house, Avinash went to Kapil's house situated 500 m towards the north-east of his own house. From there, both of them went to Varun's house situated 400 m towards the south of Kapil's house. What is the shortest distance between Avinash's current location and his location at the beginning?

(a) 900 m (b) 400 m

(c) 300 m (d) 500 m



Pythagoras Theorem

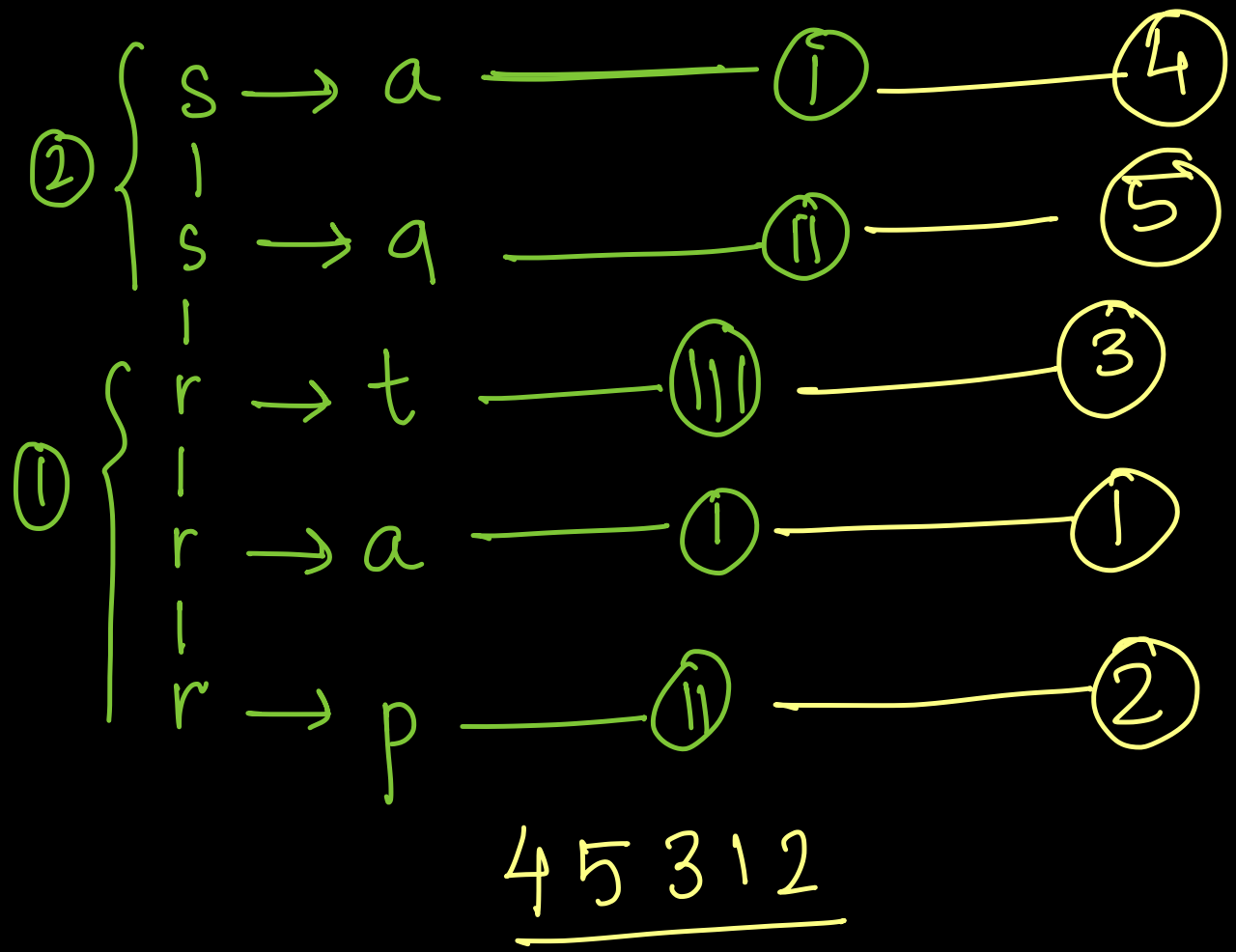
$500^2 = 400^2 + x^2$

$x = 300$

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Mosaic
2. Mosquito
3. Mortgage
4. Moratorium
5. Morphed

(a) 4, 5, 3, 1, 2 (b) 1, 4, 3, 2, 5
(c) 4, 3, 1, 2, 5 (d) 4, 1, 3, 5, 2



Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1 Income
2 Employment
3 Superannuation
4 Interview
5 Education
6 Promotion

(a) 3, 4, 2, 1, 6, 5 (b) 5, 1, 4, 2, 6, 3

(c) 3, 6, 1, 4, 2, 5 (d) 5, 4, 2, 1, 6, 3

Arrange the following words in a logical and meaningful order.

1 . Plan

2 . Shop

3 . Mall

4 . Drive

5 . Return

1, 4, 3, 2, 5

(a) 1, 4, 3, 2, 5 (b) 3, 4, 5, 2, 1

(c) 1, 4, 2, 5, 3 (d) 4, 5, 1, 2, 3

Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Universe
2. Chennai
3. World
4. Asia
5. Tamil Nadu

(a) 1, 4, 3, 5, 2 (b) 1, 3, 4, 2, 5

(c) 1, 3, 4, 5, 2 (d) 3, 1, 5, 4, 2

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Presentation
2. Preventive
3. Preparation
4. Pretension
5. Prescription

S. — 3
v — 5
p — 1
t — 4
s — 2

3 5 1 4 2

(a) 3, 5, 1, 4, 2 (b) 3, 1, 5, 4, 2
(c) 3, 5, 1, 2, 4 (d) 3, 4, 2, 1, 5

Select the correct option that indicates the arrangement of the given places in a logical and meaningful order.

1. Hyderabad
2. Nagpur
3. Dehradun
4. Bhopal
5. Madurai
6. Agra

(a) 5, 1, 2, 4, 3, 6 (b) 3, 6, 4, 2, 1, 5

(c) 5, 1, 4, 3, 2, 6 (d) 3, 6, 2, 4, 1, 5

3 6 4 2 1 5

N. S

Arrange the following words in a logical and meaningful order.

1. Eat — 5
2. Rinse — 2
3. Buy — 1
4. Cut — 3
5. Cook — 4

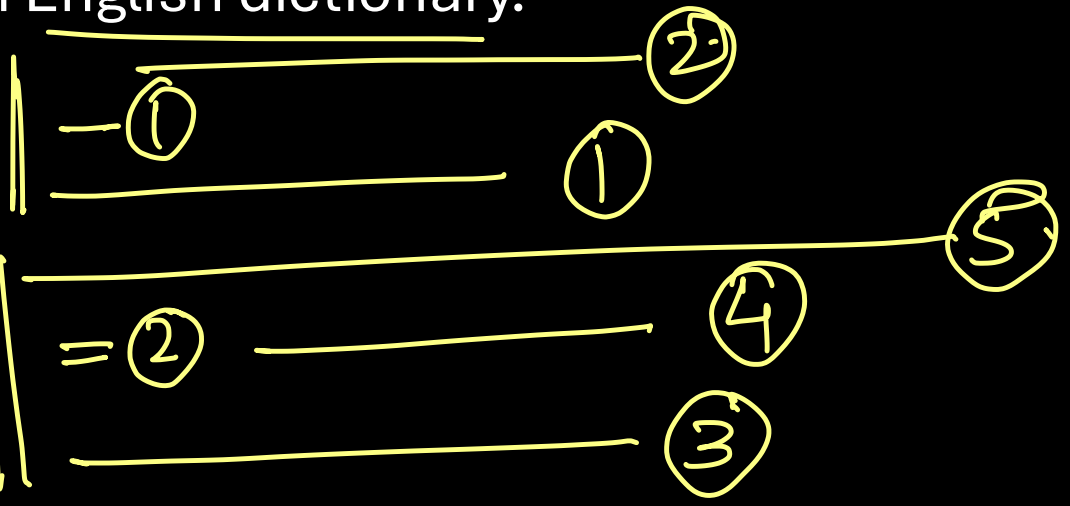
3 2 4 5 1

(a) 1, 3, 5, 4, 2 (b) 2, 4, 3, 5, 1

(c) 3, 2, 4, 5, 1 (d) 4, 3, 5, 2, 1

Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Presume
2. Prepare
3. Priority
4. Prince
5. Prick



2 1 5 4 3

(a) 2, 1, 5, 3, 4 (b) 1, 2, 5, 4, 3

(c) 2, 1, 5, 4, 3 (d) 2, 1, 4, 5, 3

Cube is cut in 64 pieces. all sides silver

$$n^3 = 64$$

$$n = 4$$

total. Unpainted $= (n-2)^3$

$$= (4-2)^3 = 2^3 = 8$$

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1.Inhaler
2.Inimitable
3.Inhabitant
4.Ingenuous
5.Inheritance

(a) 4, 3, 5, 1, 2 (b) 4, 5, 2, 1, 3

(c) 4, 1, 3, 5, 2 (d) 4, 3, 1, 5, 2

4 3 1 5 2

Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

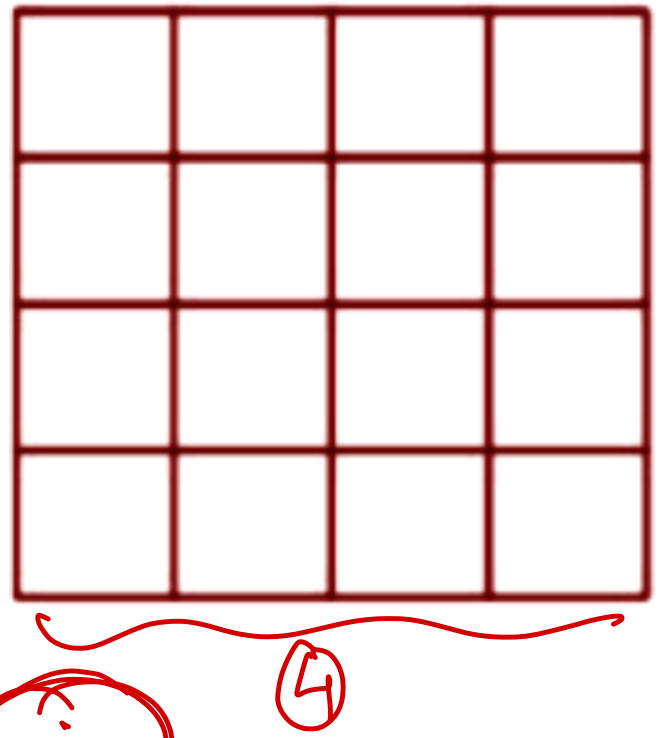
1. Prescription
2. Diagnosis
3. Illness
4. Follow-up
5. Recovery

(a) 3-4-1-2-5 (b) 1-2-5-3-4

(c) 3-2-1-5-4 (d) 2-3-1-4-5

5 mins

8:54 → 9:00



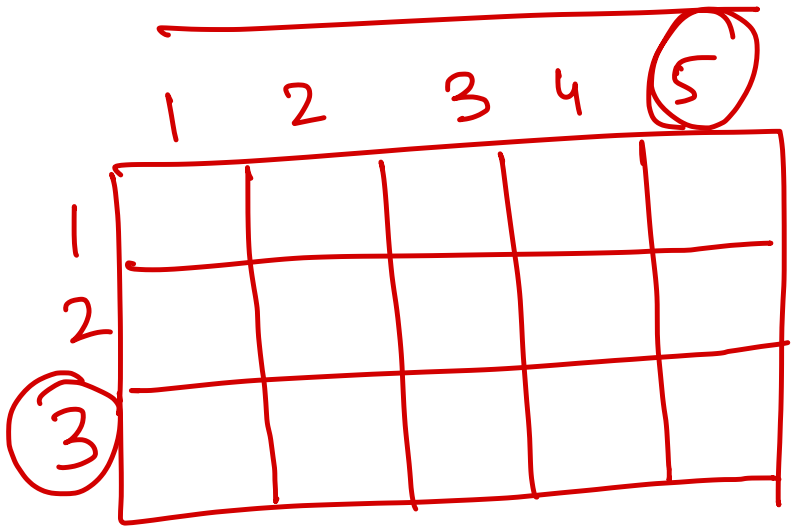
(a) 30 (b) 28 (c) 24 (d) 32

Square:-

$$\text{total} = \frac{n(n+1)(2n+1)}{6}$$

$$= \frac{4 \times 5 \times 9}{6_3}$$

$$= 30$$

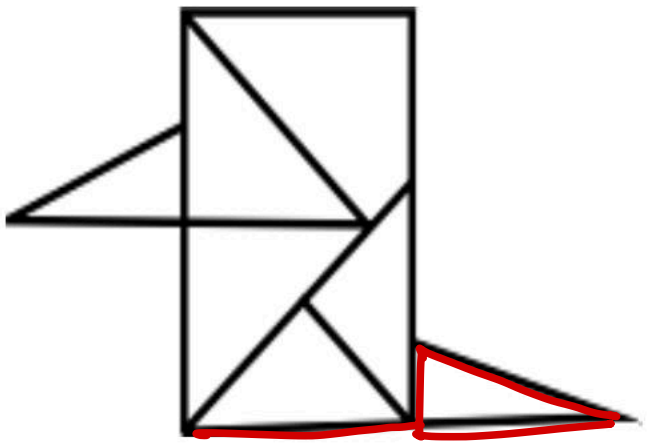


$3 \times 5 = 15$

$2 \times 4 = 8$

$1 \times 3 = 3$

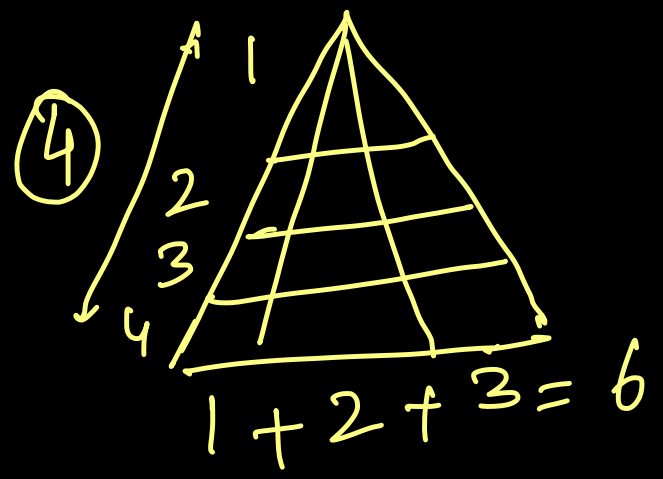
26



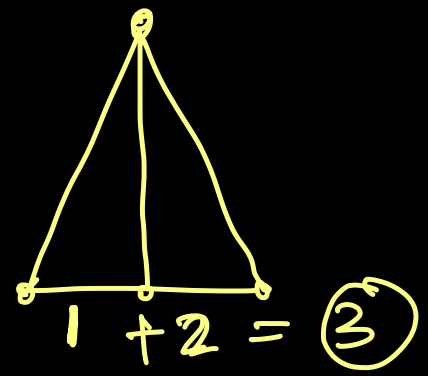
No. of Triangles

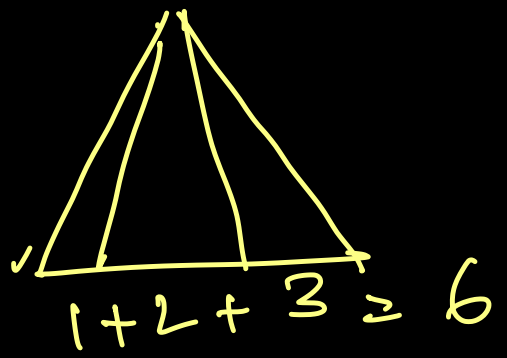
3 + 1 + 3 + 1

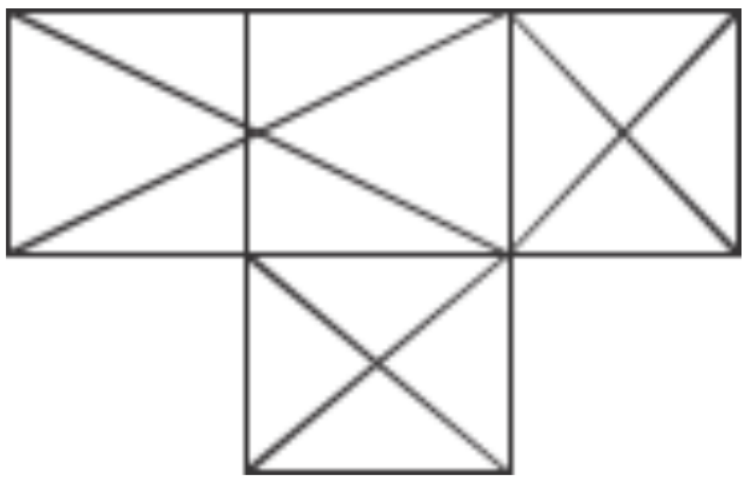
(a) 10 (b) 7 ~~(c) 8~~ (d) 9



6 × 4 = 24







+2

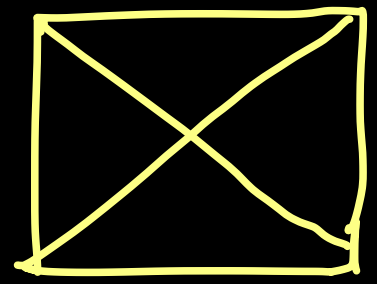
(a) 20 (b) 30 (c) 24 (d) 28

8+8+8+4+

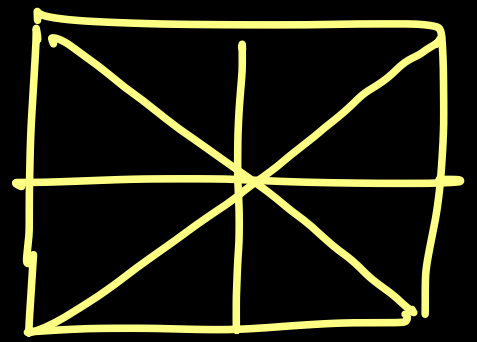
= 28 + 2 = 30

+2

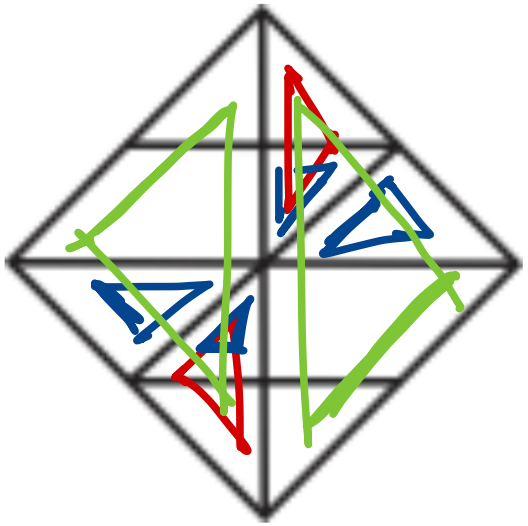
= 32



Triangles = 8

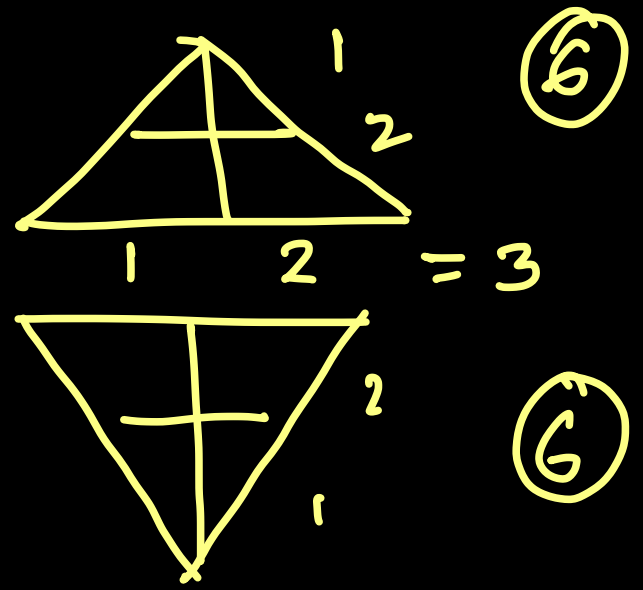


Total = 16



Triangles

(a) 16 (b) 20 (c) 18 (d) 22

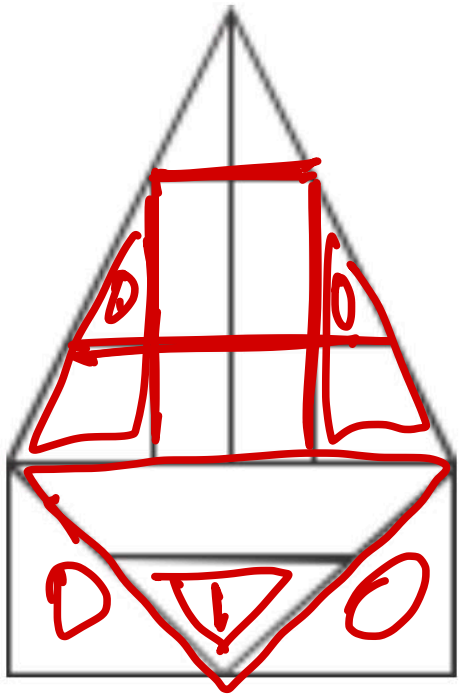


6 6

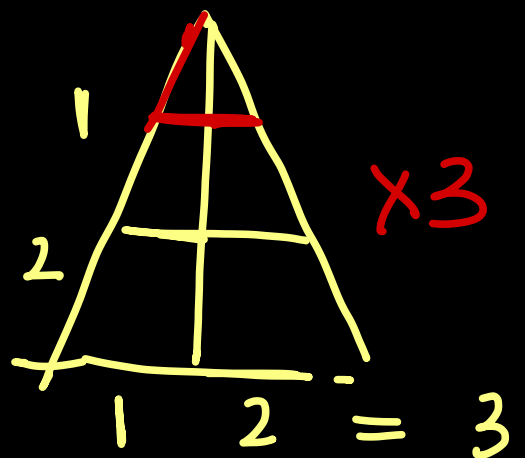
$6+6+4 = 16+2$

$= 18+2$

$= 20$

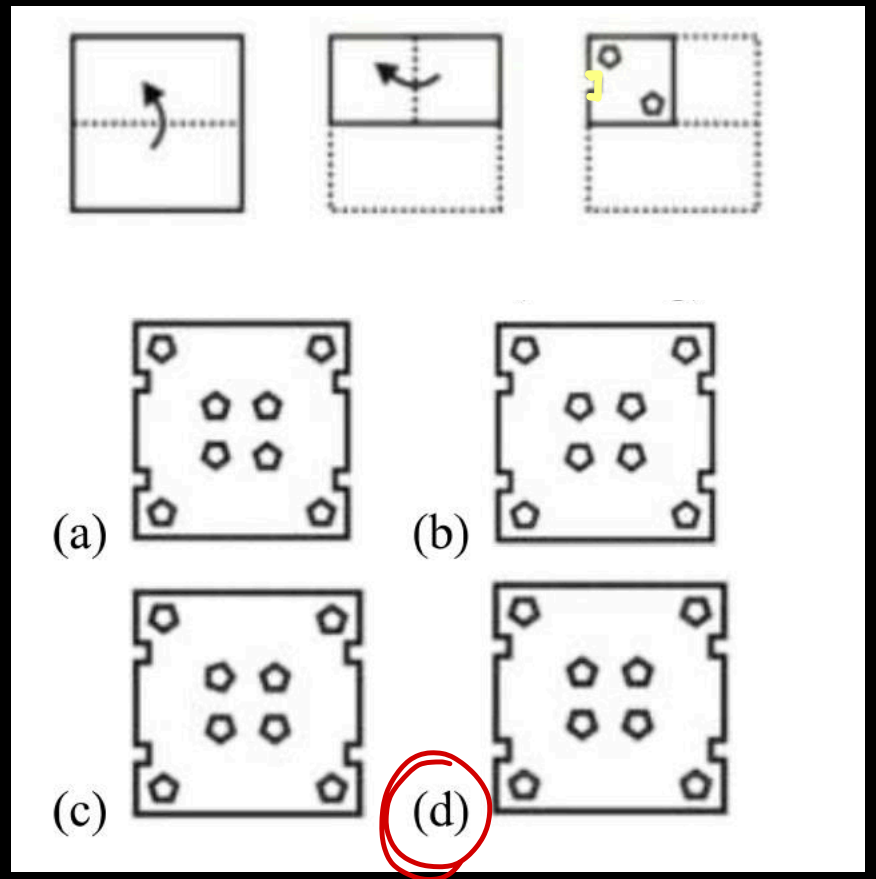


(a) 17 (b) 14 (c) 16 (d) 15



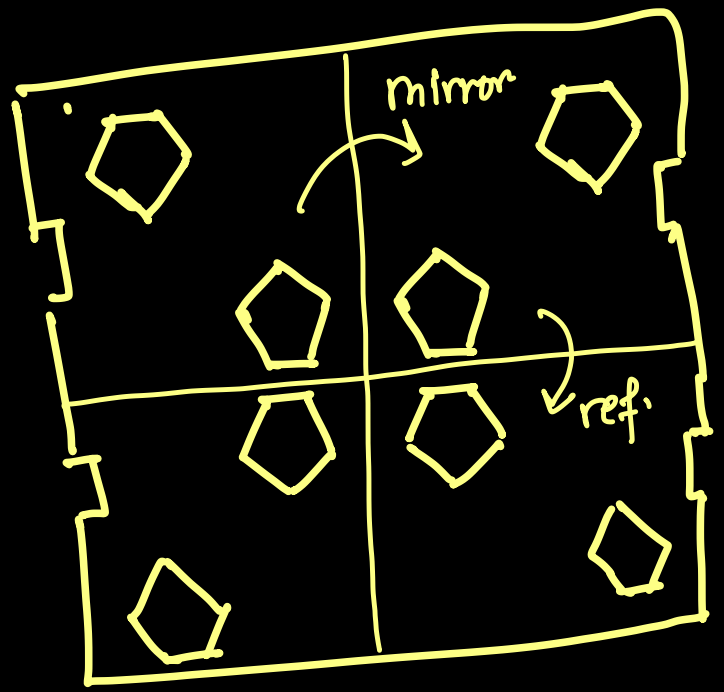
9 + 2 + 2 + 4

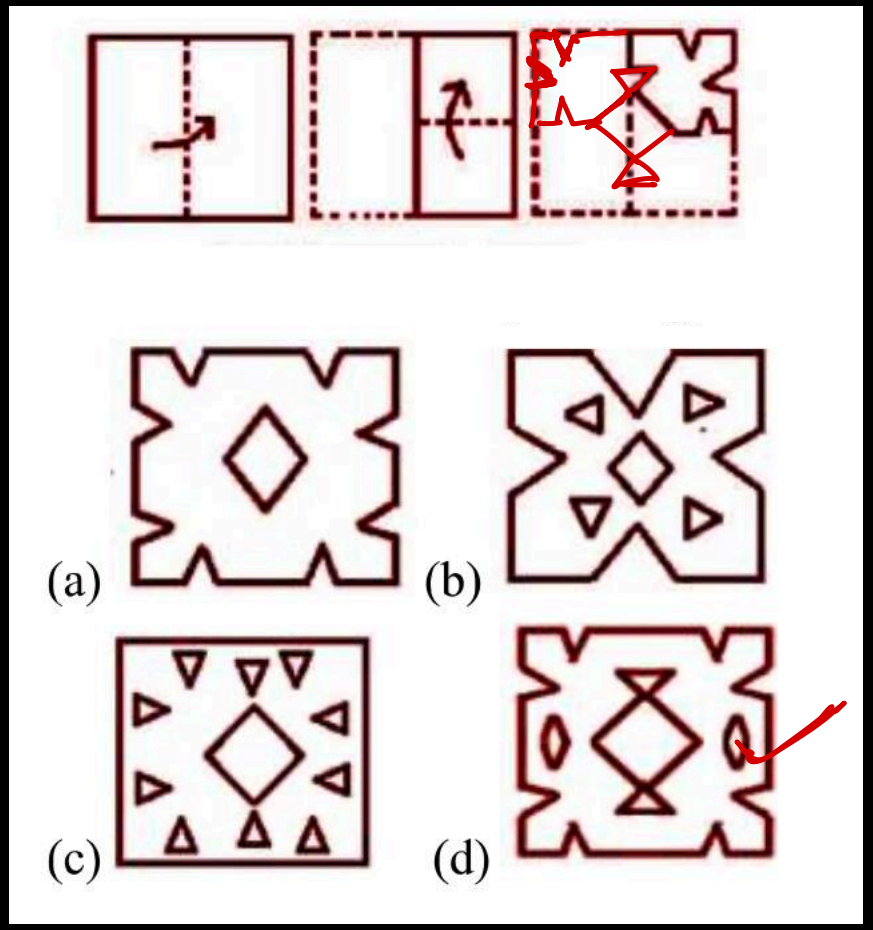
9 + 8 = 17

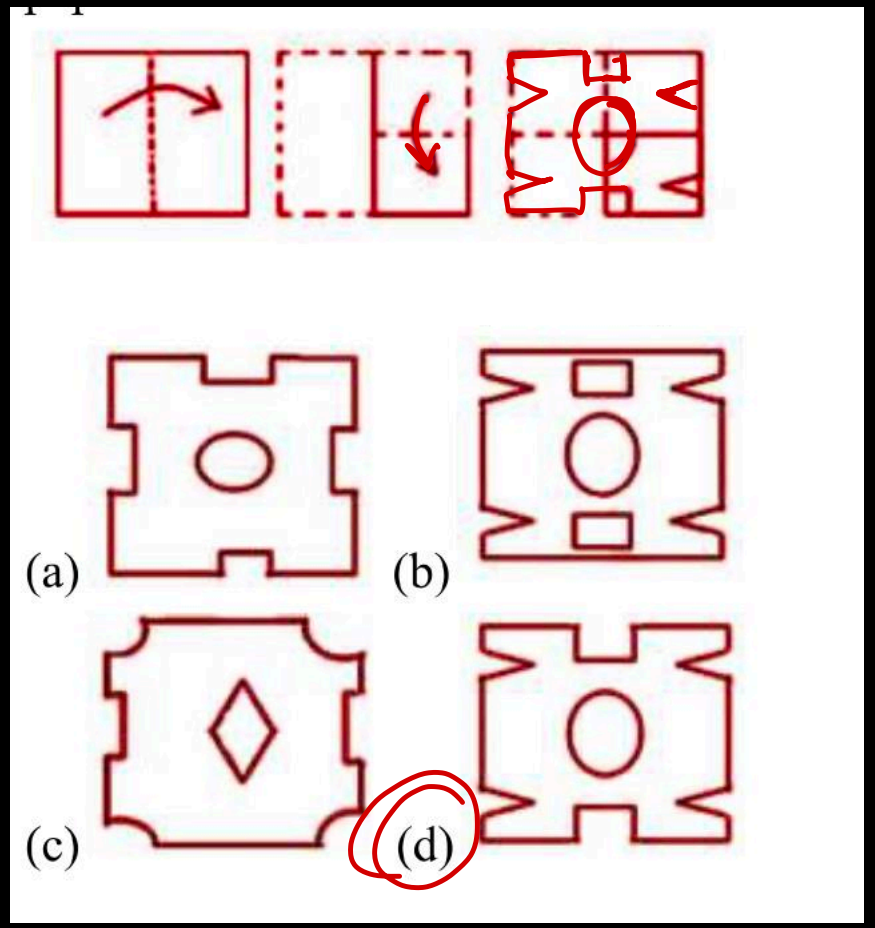


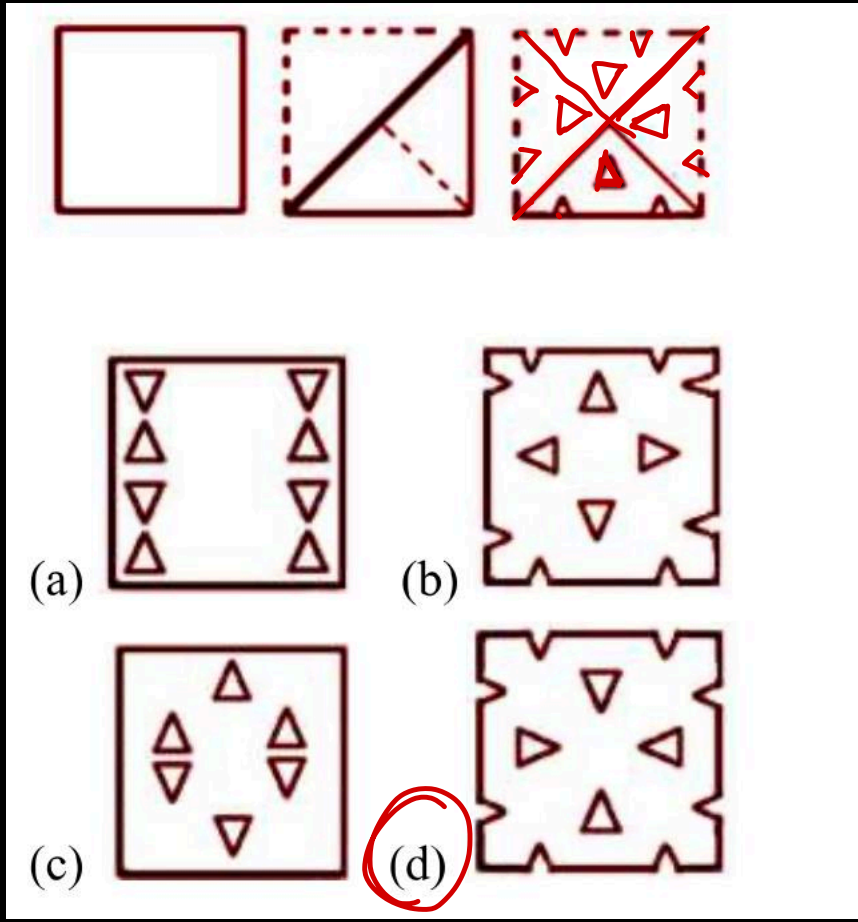
Paper folding

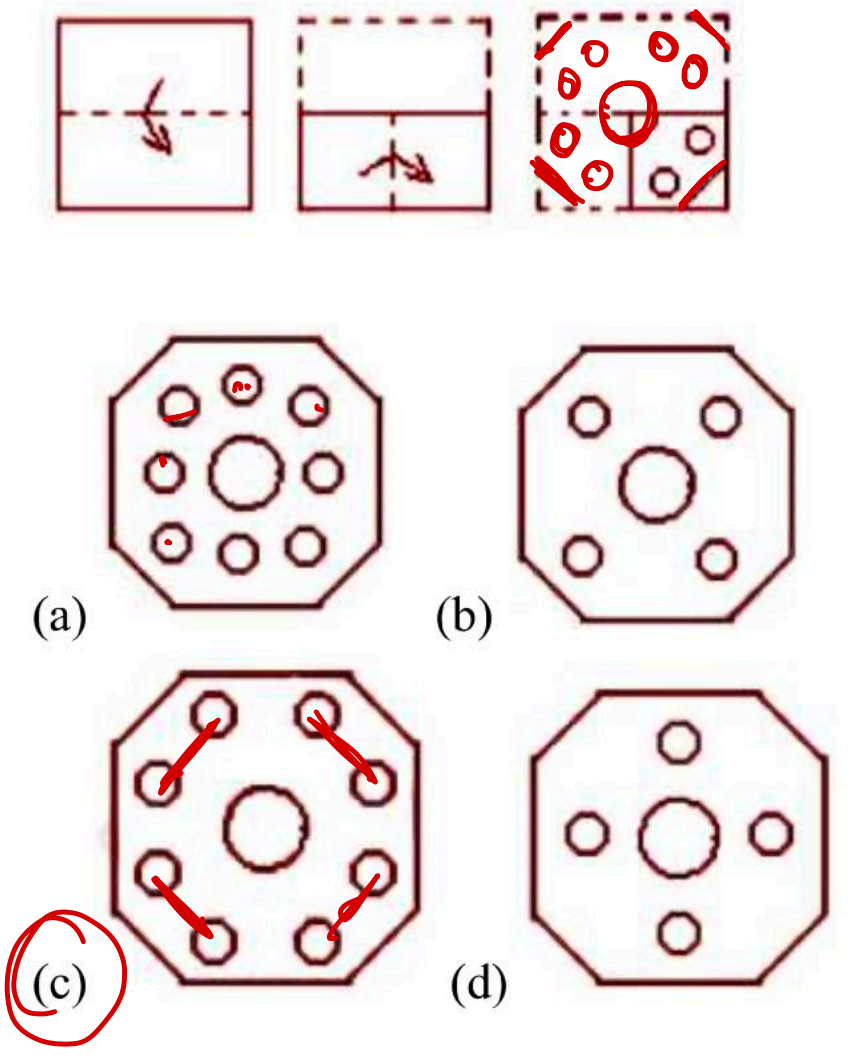
Reflection / Mirror.



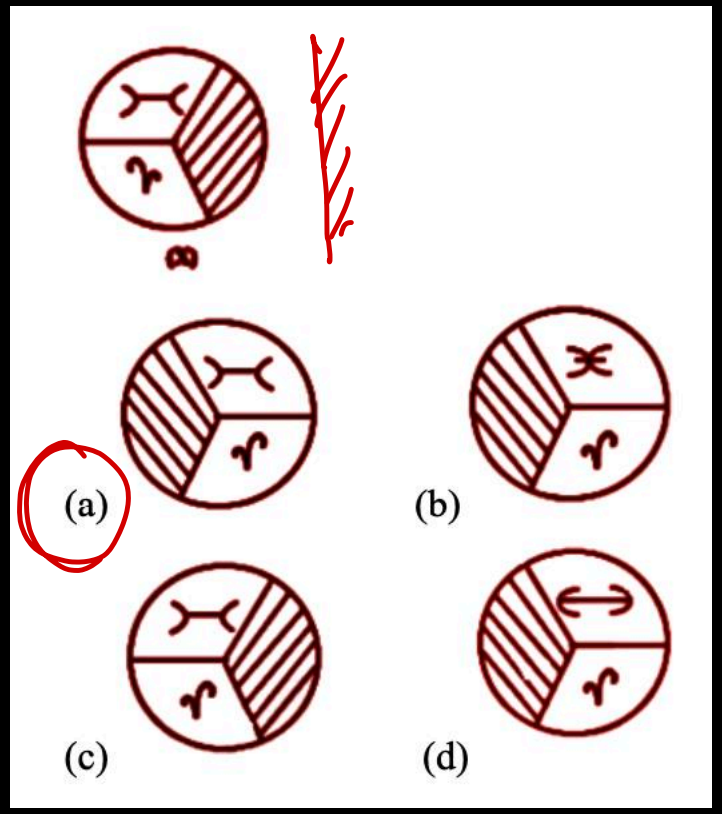

(a)
(b)
(c)
(d)


(a)
(b)
(c)
(d)

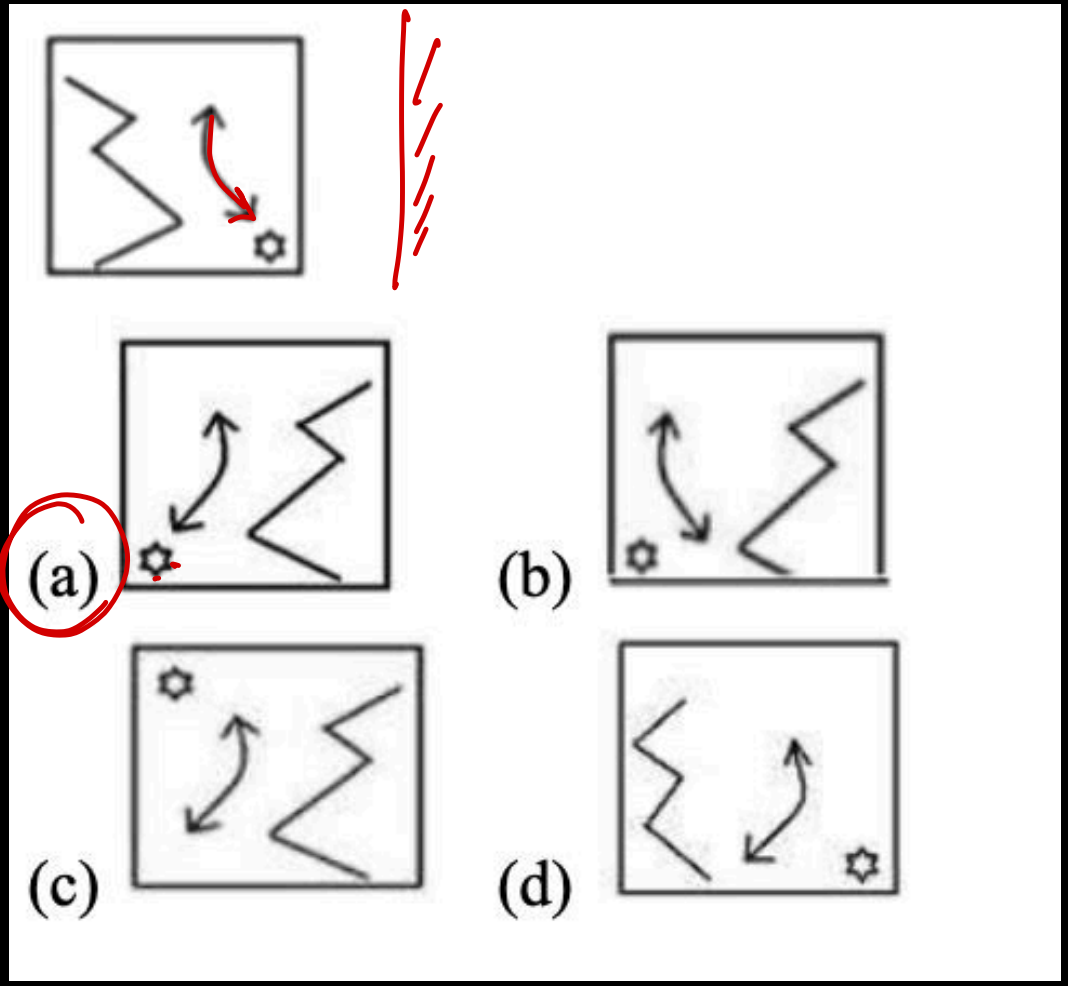

(a)
(b)
(c)
(d)


(a)
(b)
(c)
(d)

Mirror Image on Right



Mirror Image on Right



Mirror Image on Right

MOUNTAIN

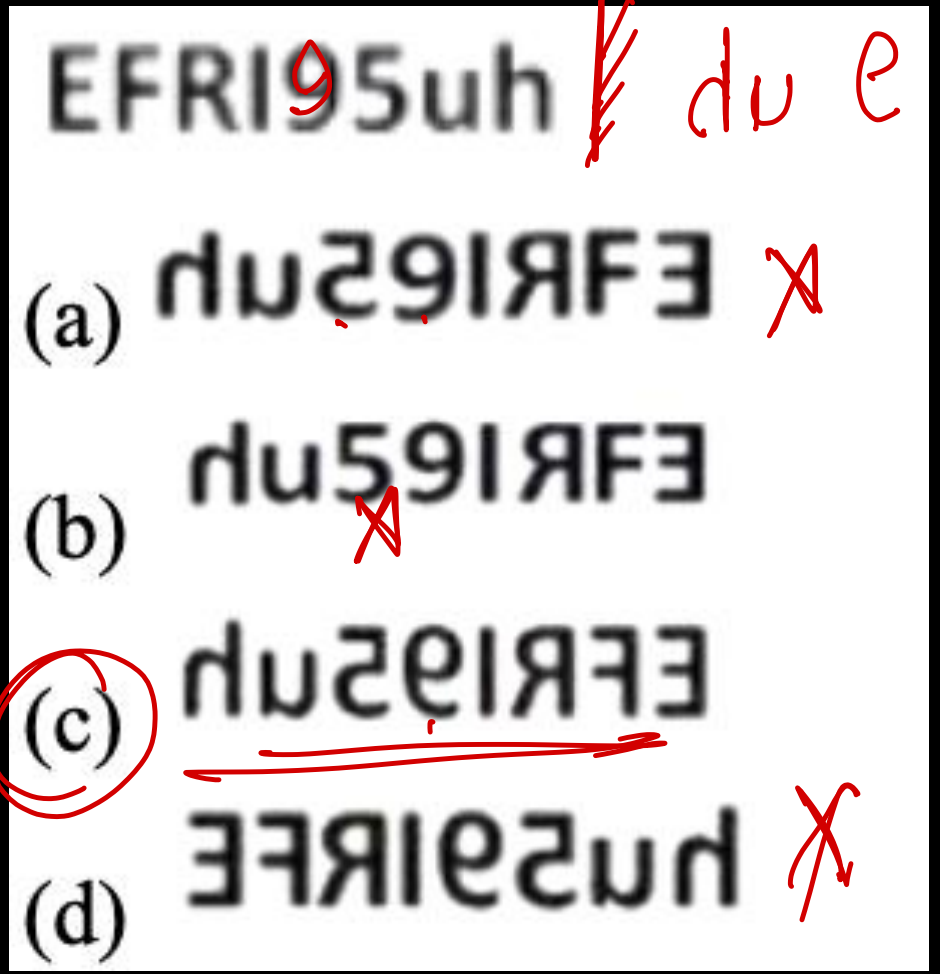
(a)

(b) MOUNTAIN

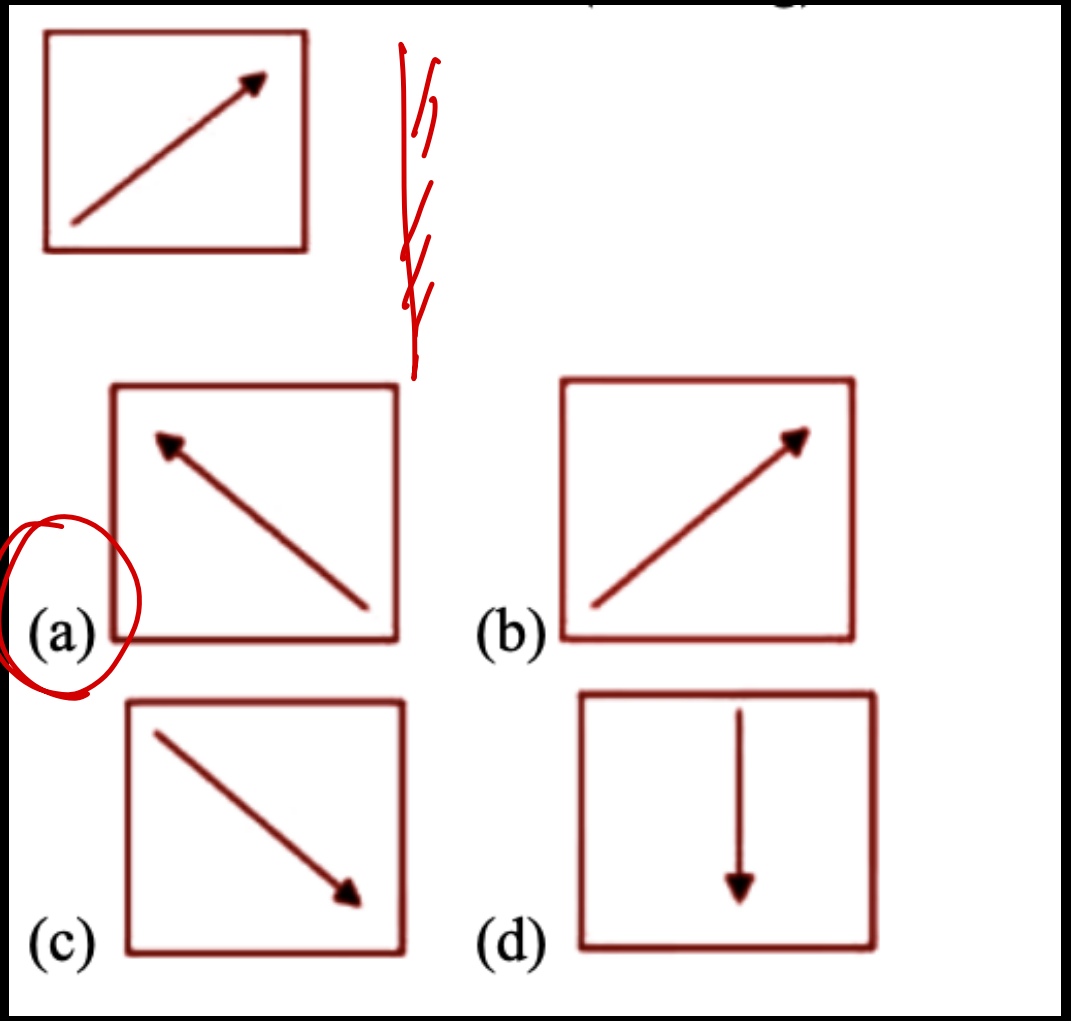
(c)

(d) NIATNUOM

Mirror Image on Right

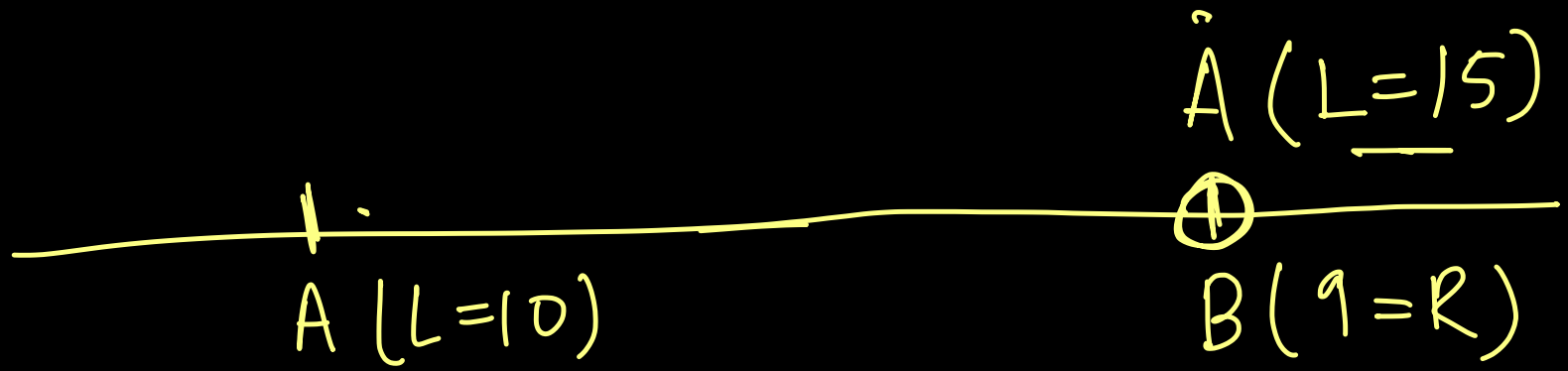


Mirror Image on Right



In a row of boys, If A who is 10th from the left and B who is 9th from the right interchange their positions, A becomes 15th from the left. How many boys are there in the row ?

A) 23 B) 31 C) 27 D) 28

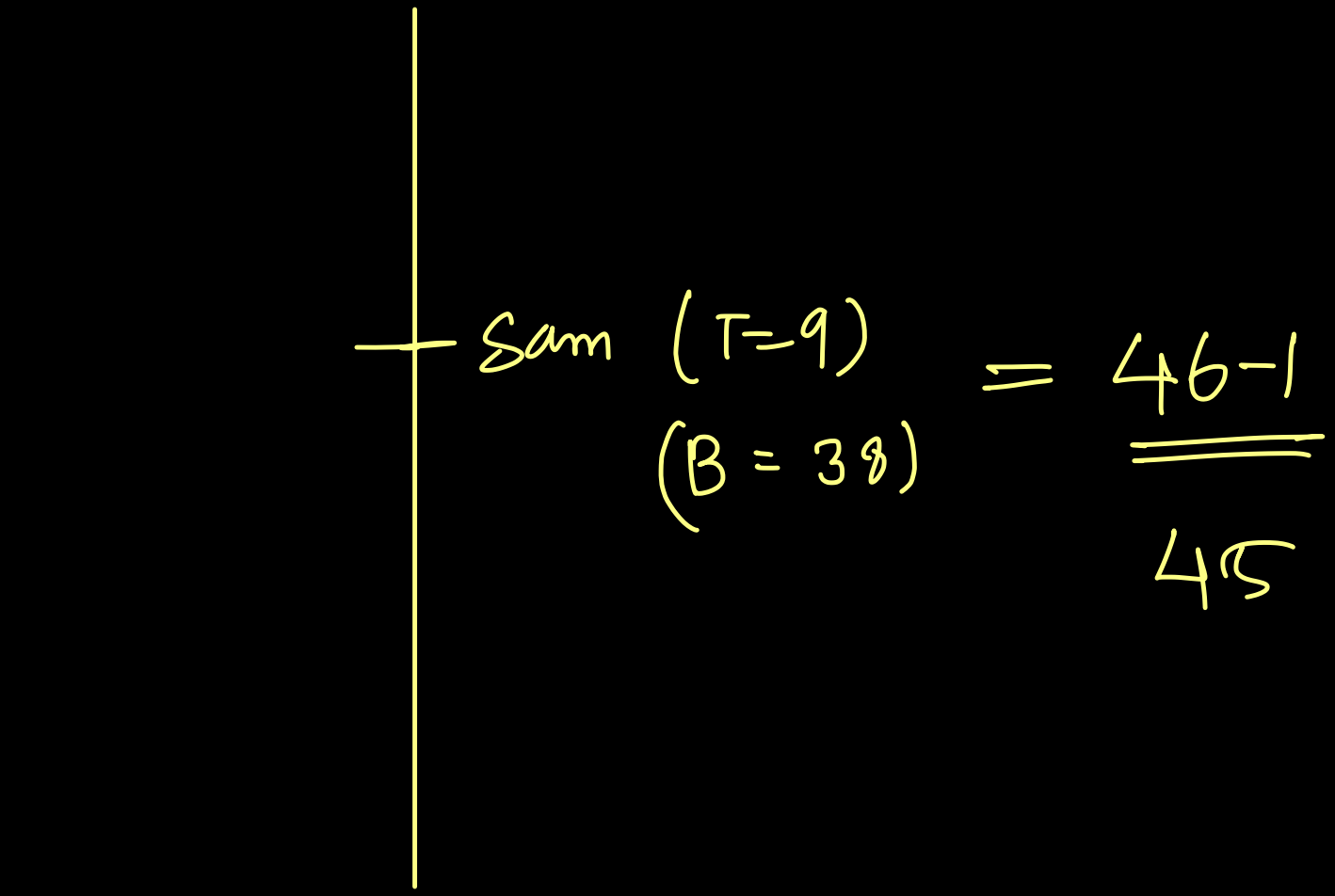


Total = L + R − 1

= 15 + 9 − 1 = 24 − 1 = 23

Sam ranked 9th from the top and 38th from the bottom in a class. How many students are there in the class ?

A) 45 B) 47 C) 46 D) 48



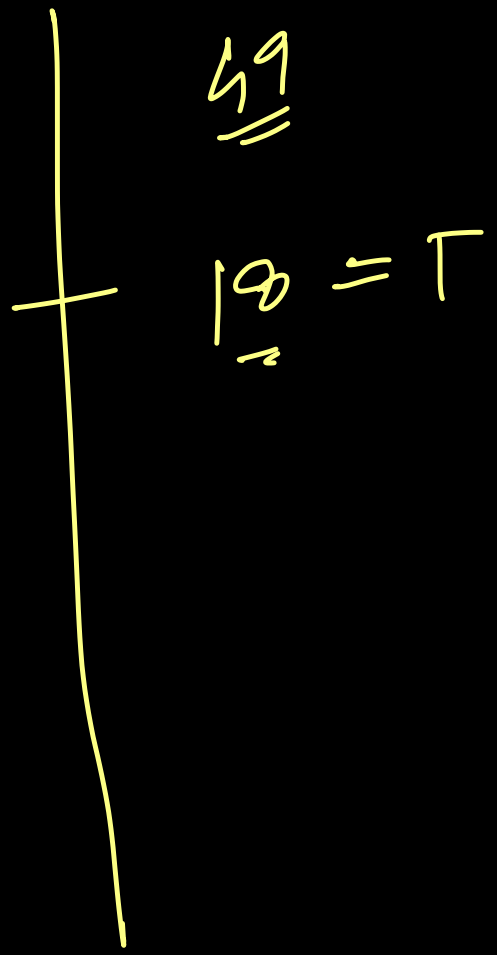
Nitin ranks 18th in a class of 49 students. What is rank from the last ?

A) 31

B) 18

C) 32

D) 19



$T = T + B - 1$

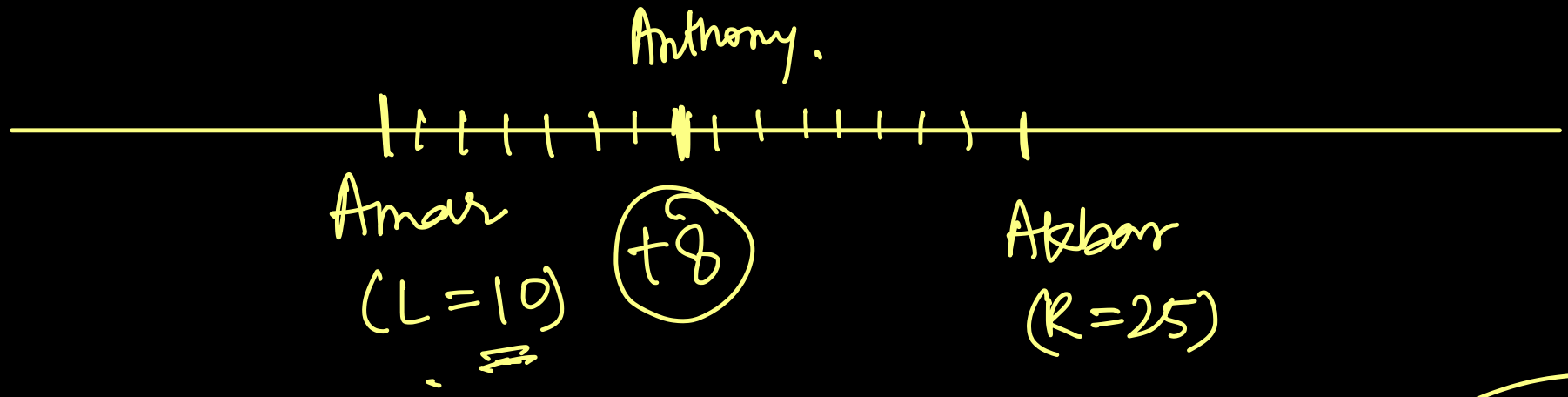
$49 = 17 + B$

$B = 32$

In a queue, Amar is 10th from the front while Akbar is 25th from behind and Anthony is just in the middle of the two. If there be 50 persons in the queue, what position does Anthony occupy from the front?

A. 18th
B. 19th
C. 20th
D. 21st

Total = 50



Total = L + R + mid
50 = 10 + 25 + mid

mid = 15

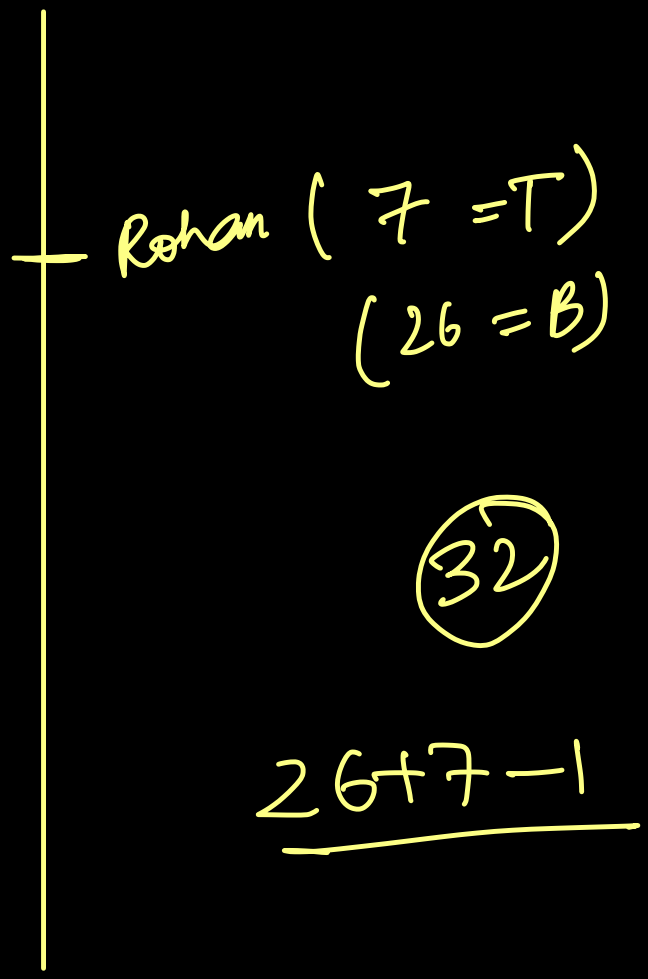
Rohan ranks seventh from the top and twenty-sixth from the bottom in a class. How many students are there in the class?

A. 31

B. 32

C. 33

D. 34



Find the total number of shirts sold by shops B and D together.

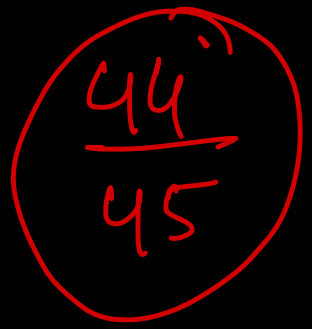
A. 42
B. 98
C. 132
D. 97

Shops	Shirts	Jeans	Trousers
A	76	48	44
B	20	90	75
C	75	45	22
D	22	110	88
E	44	25	90

What is the ratio of the number of trousers sold by shop A to the number of jeans sold by shop C?

A. 11:9
B. 44:45
C. 19:11
D. 4:5

Shops	Shirts	Jeans	Trousers
A	76	48	44
B	20	90	75
C	75	45	22
D	22	110	88
E	44	25	90



The number of jeans sold by shop B is what percentage of the number of trousers sold by shop E?

A. 90%
B. 100%
C. 80%
D. 75%

Shops	Shirts	Jeans	Trousers
A	76	48	44
B	20	90	75
C	75	45	22
D	22	110	88
E	44	25	90

$\frac{90}{90} \times 100 = 100\%$

Find the difference between the total number of items sold by shop A and the total number of items sold by shop C.

A. 26
B. 24
C. 28
D. 22

Shops	Shirts	Jeans	Trousers
A	76	48	44
B	20	90	75
C	75	45	22
D	22	110	88
E	44	25	90

168
142
26

What is the average number of jeans sold by shops A, B, and E together?

A. 54.33
B. 56.67
C. 52
D. 51

Shops	Shirts	Jeans	Trousers
A	76	48	44
B	20	90	75
C	75	45	22
D	22	110	88
E	44	25	90

$$\frac{\frac{138}{25}}{3} = \frac{163}{3} = 54$$

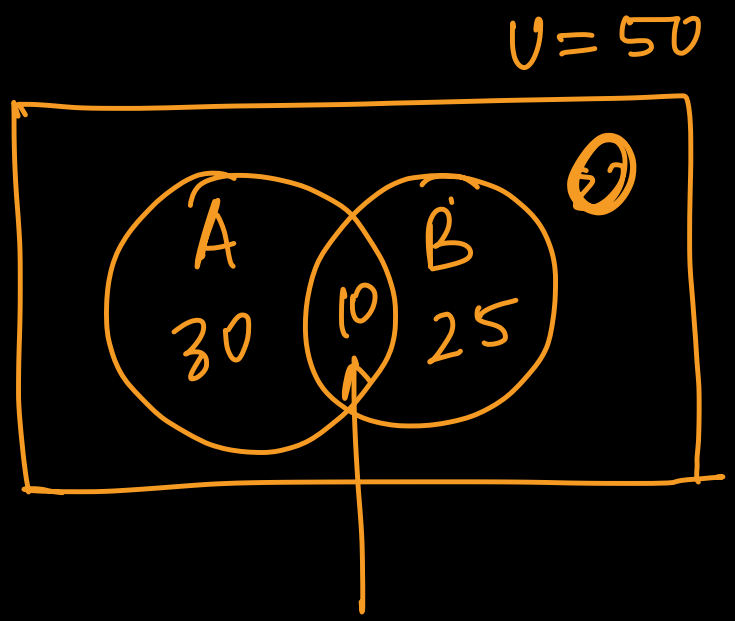
In a class of 50 students, 30 students like Maths, 25 students like Science, and 10 students like both Maths and Science. How many students like neither Maths nor Science?

A. 5

B. 10

C. 15

D. 0



$n(A \cup B) = n(A) + n(B) - n(A \cap B)$

$= 30 + 25 - 10$

$= 55 - 10 = 45$

Neither $= 50 - 45 = 5$

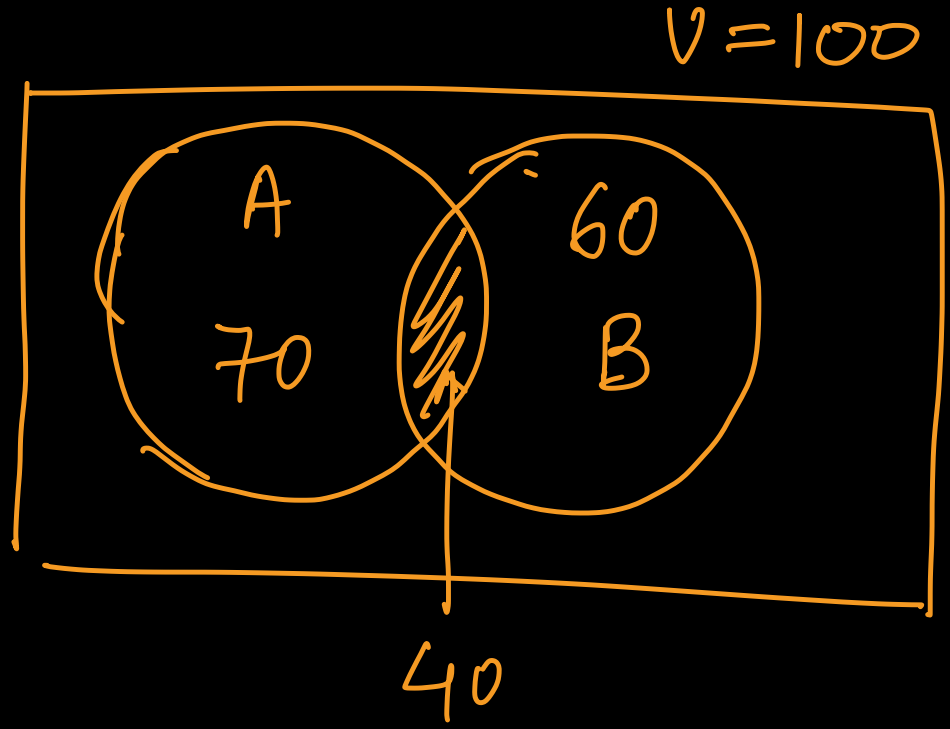
In a survey of 100 people, 70 people liked Coffee, 60 people liked Tea, and 40 people liked both. How many people liked only Coffee?

A. 30

B. 20

C. 40

D. 10



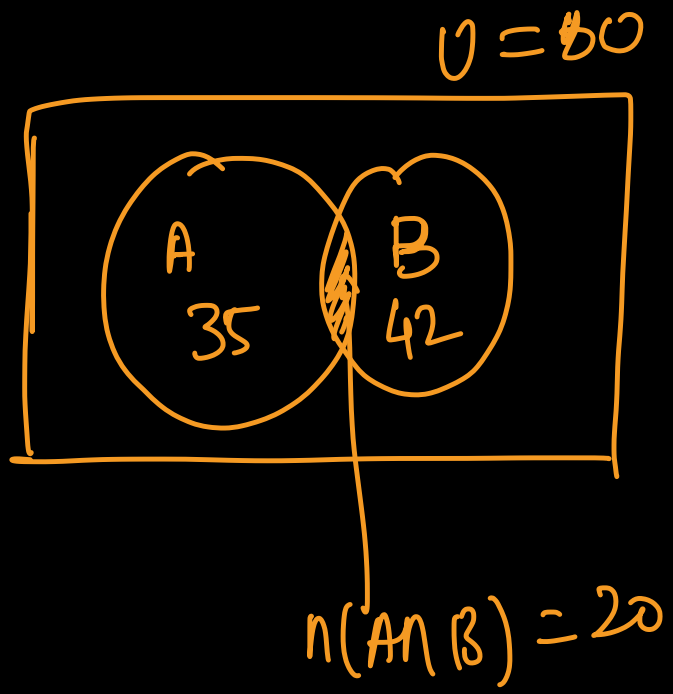
In a group of 80 students, 35 play Cricket, 42 play Hockey, and 20 play both. How many students play only Hockey?

A. 15

B. 20

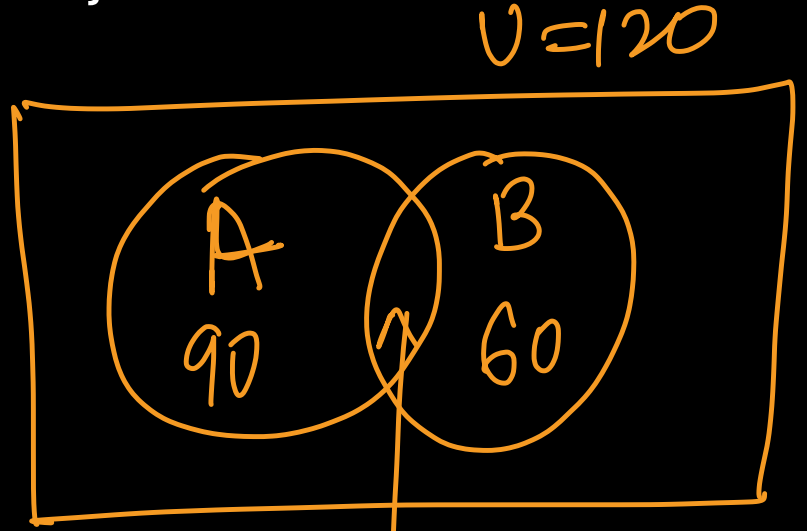
C. 22

D. 25



Out of 120 students, 90 passed in English, 60 passed in Maths, and 40 passed in both. How many students failed in both subjects?

A. 10
B. 20
C. 30
D. 15



$n(A \cup B) = n(A) + n(B) - n(A \cap B)$

$= 90 + 60 - 40$

$= 150 - 40 = 110.$

$n(A \cap B) = 40$

Neither

$= U - n(A \cup B)$

$= 120 - 110$

$= 10$

The average of 5 numbers is 27. If one number is excluded, the average becomes 25. What is the excluded number?

A. 25
B. 27
C. 30
D. 35

$$\text{Avg} = \frac{T_5}{5} = 27 \Rightarrow T_5 = 135$$

$$\frac{T_4}{4} = 25 \Rightarrow T_4 = 100$$

$$135 - 100 = 35$$

The average age of three persons P, Q and R is 24 years. S joins the group the average age becomes 30 years. What is the age of S?

A. 40 years
B. 48 years
C. 52 years
D. 60 years

$$\frac{P+Q+R}{3} = 24$$

$$P+Q+R = 72$$

$$\frac{P+Q+R+S}{4} = 30$$

$$P+Q+R+S = 120 \Rightarrow 72+S=120$$

$$S = 120-72$$

The average weight of P and his three friends is 55 kg. If P is 4 kg more than the average weight of his three friends, what is P's weight (in kg)?

A. 60
B. 54
C. 58
D. 62

$$\frac{P+3F}{4}=55$$

Threes ⇒ avg wt = x

total = $3x$

$$\frac{x+4+3x}{4}=55$$

$$3F = 3Avg + 4$$

$$\frac{4x+4}{4}=55 \Rightarrow \frac{4(x+1)}{4}=55$$

$$x+1=55 \Rightarrow 54$$

A bag contains 5 red balls and some blue balls. If the probability of drawing a blue ball is double that of a red ball, then the number of blue balls in the bag is:

A. 5
B. 10
C. 12
D. 15

Red = 5

Blue = x = 10

$\frac{5}{15} = \frac{1}{3}$ $\frac{10}{15} = \frac{2}{3}$

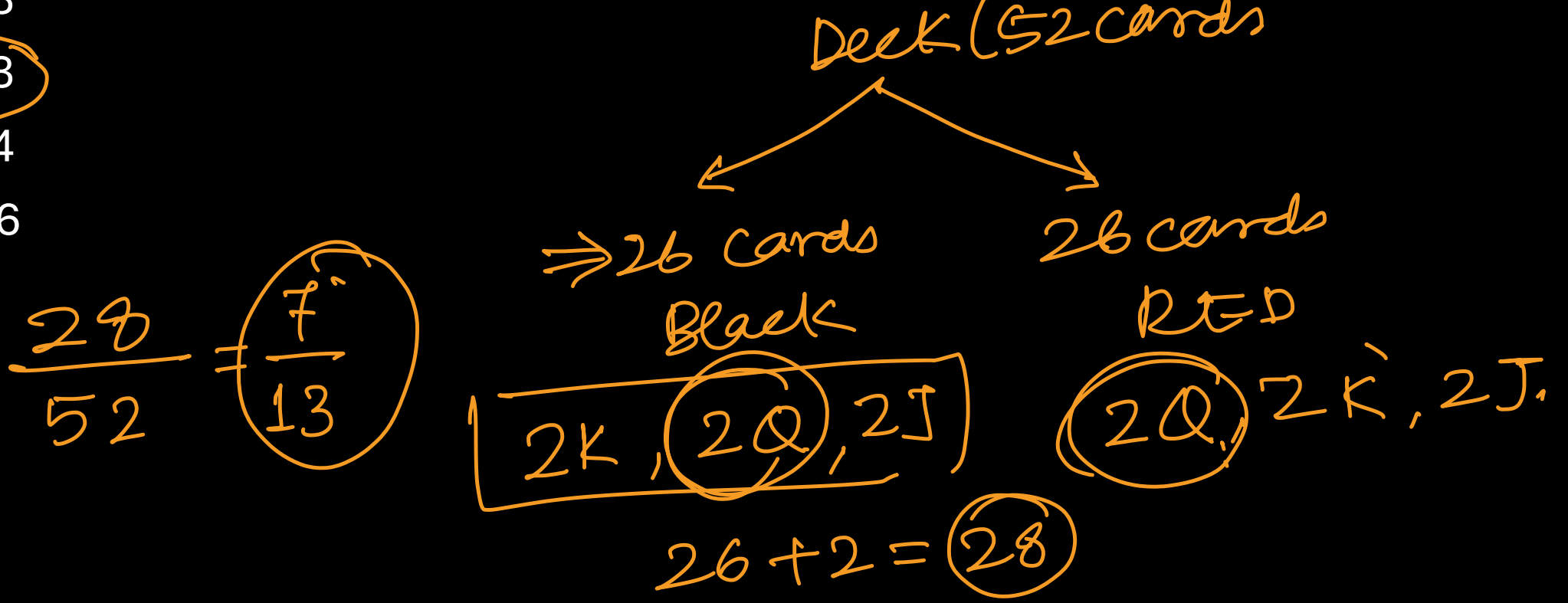
One card is drawn at random from a Pack of 52 cards. What is the probability that the card is either black or queen?

A. 1 / 13

B. 7 / 13

C. 1 / 14

D. 15/26



In a box, there are 18 yellow, 17 black, and 16 white balls. One ball is picked up randomly. What is the probability that it is neither yellow nor white?

A. 5/17

B. 1/3

C. 17/6

D. 16/51

$n(S) = 51$

$18 + 17 + 16 = n(S) = 51$

$\frac{17}{51} = \frac{1}{3}$

$\Rightarrow$

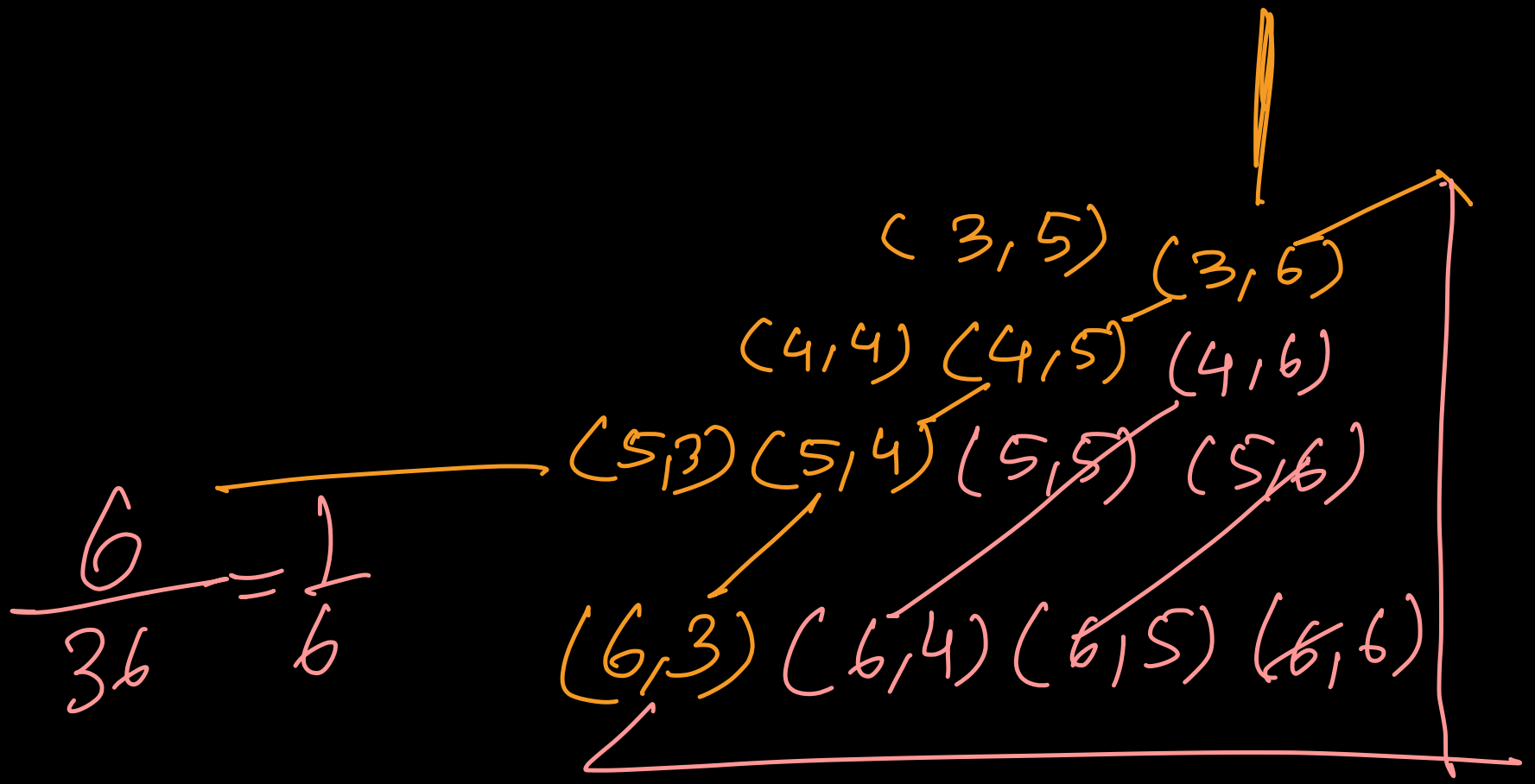
Two dice are thrown simultaneously. What is the probability of getting a sum greater than 9?

A. 1/6

B. 5/36

C. 1/9

D. 7/36



What is the value of $12\frac{1}{2} + 12\frac{1}{3} + 12\frac{1}{6}$?

1. 36
2. 37
3. 39
4. 38

$$\frac{3\times25}{3\times2} + \frac{2\times37}{2\times3} + \frac{73}{6}$$

$$\frac{75 + 74 + 73}{6} = \frac{222}{6} = 37$$

Statement: The quality of teachers in government schools has deteriorated and parents prefer to enroll their children in private schools.

~~Conclusion:~~ Course of Action:

I) The authorities should take immediate action to improve the quality of teachers in schools.

II) All government schools should either be privatized or closed completely.

A. Only conclusion I follows
B. Only conclusion II follows
C. Either conclusion I or conclusion II follows.
D. Neither conclusion I nor conclusion II follows.

Statement: The school management has introduced compulsory swimming sessions for children below Class V.

Assumptions:

I. Younger children learn to swim faster.

II. The school wishes to enhance the overall development of children.

(A) Only assumption I is implicit

(B) Only assumption II is implicit

(C) Both I and II are implicit

(D) Neither I nor II is implicit

Statement:

Beware of dogs, our dogs do not bark, but they are trained to distinguish between genuine guests and intruders.

Assumptions:

I. Barking dogs bite rarely.

II. Our dogs could be dangerous for intruders.

A. Only 1 is implicit

B. Only 2 is implicit

C. Either 1 or 2 is implicit

D. Neither 1 or 2 is implicit

E. Both 1and 2 are implicit

Statement: This year most of the shops and departmental stores are offering prizes and discounts on purchases to attract customers.

(M.B.A. 2002)

Assumptions:

I. The shops and departmental stores have so far earned a lot of profit, so now they have started sharing it with the customers.

II. Lots of goods are available but the sale is not shooting up. There is no cheer for the customers.

A. Only 1 is implicit

B. Only 2 is implicit

C. Either 1 or 2 is implicit

D. Neither 1 or 2 is implicit

E. Both 1and 2 are implicit

Statement:

"Private property, trespassers will be prosecuted"— A notice on a plot of land.

(S.B.I.P.O. 2001)

Assumptions:

I. The passerby may read the notice and may not trespass.

II. The people are scared of prosecution.

A. Only 1 is implicit

B. Only 2 is implicit

C. Either 1 or 2 is implicit

D. Neither 1 or 2 is implicit

E. Both 1and 2 are implicit

Statement:

Should cottage industries be encouraged in rural areas?

Arguments:

I. Yes. Rural people are creative.

II. Yes. This would help to solve the problem of unemployment to some extent.

A. Only argument 1 is strong
B. Only argument 2 is strong
C. Either argument 1 or 2 is strong
D. Neither argument 1 or 2 is strong
E. Both argument 1 and 2 is strong

Statement:

Is pen mightier than a sword?

(Bank P.O. 2004)

Arguments:

I. Yes. Writers influence the thinking of the people.

II. No. With the help of physical force one can conquer all.

A. Only argument 1 is strong

B. Only argument 2 is strong

C. Either argument 1 or 2 is strong

D. Neither argument 1 or 2 is strong

E. Both argument 1 and 2 is strong

Statement:

I know nothing except the fact of my ignorance.

Conclusions:

I. Writer's knowledge is very poor.

II. The world of knowledge is too vast to be explored by a single person.

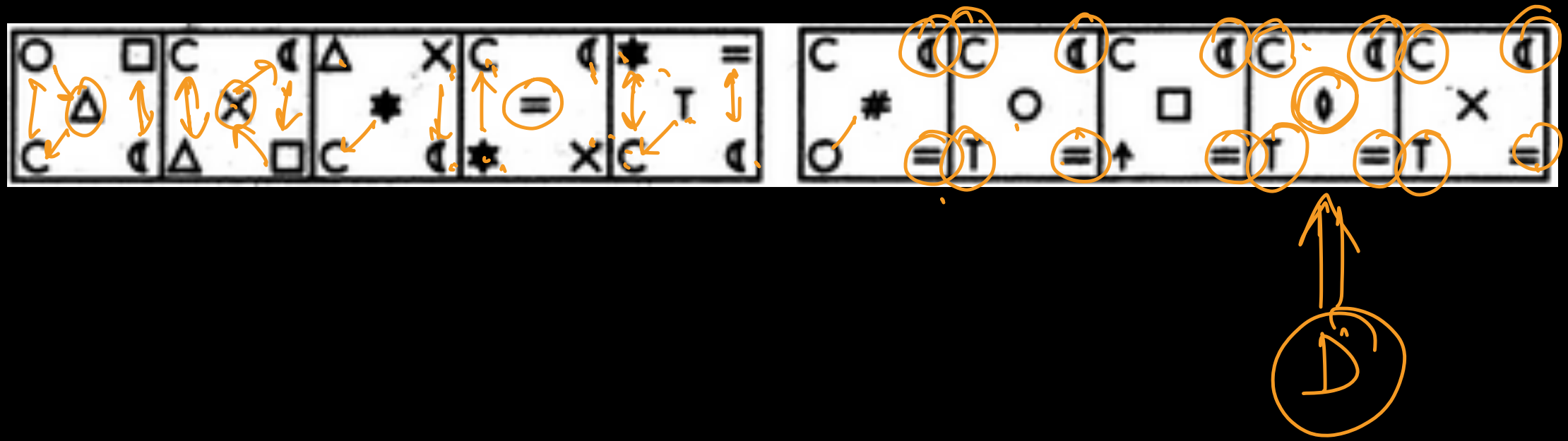
A. Only conclusion I follows

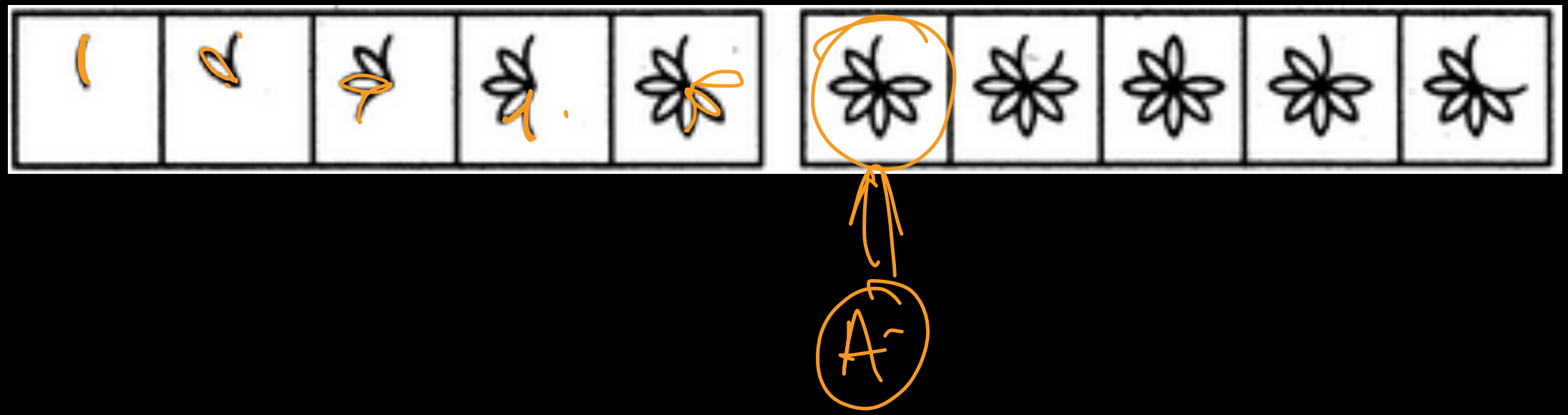
B. Only conclusion II follows

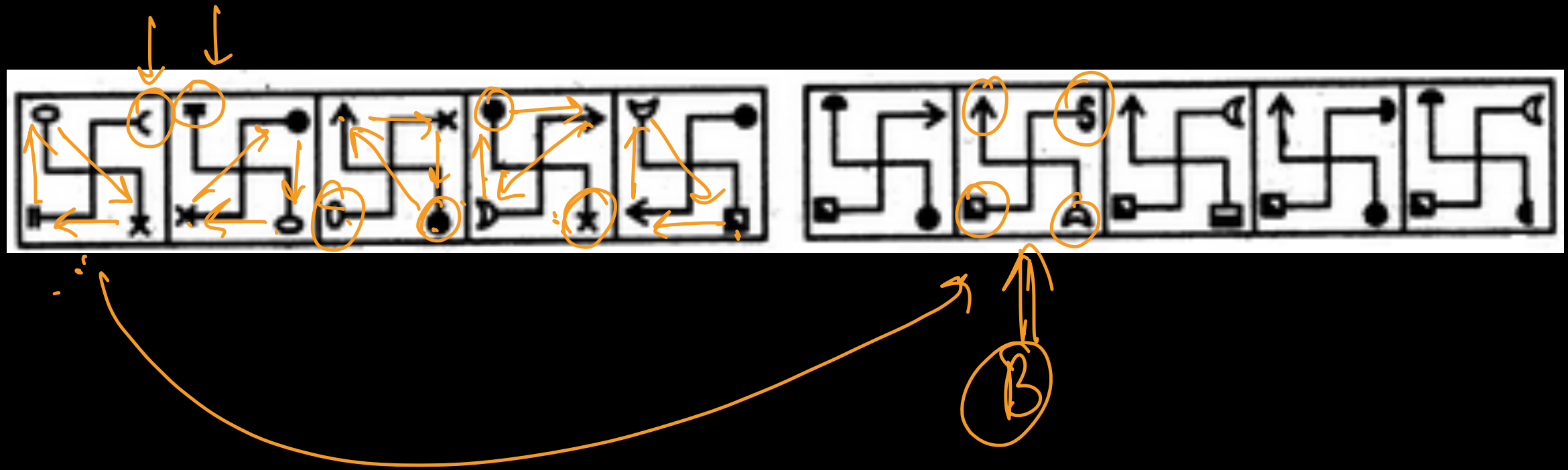
C. Either I or II follows

D. Neither I or II follows

E. Both I and II follows




A



In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

A. 30%
B. 70%
C. 100%
D. 250%

CP = 100

Profit = 320

SP = 420

New CP = 125

$$\text{Profit} = \frac{295}{420} \times 100$$

$$\approx 70\%$$

A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

A. 3

B. 4

C. 5

D. 6

Rs. 1 = 6

SP = 20 paise

$\frac{1}{6} = 0.\dot{1}6$

Purchase

Benefits of computer

A. very fast and store huge amount of data

B. provide accurate output if input is correct 100%

C. think about processing

D. All of above..

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