

DAY 16

MCA CET 2025
REASONING
SEATING
ARRANGEMENT



INEXORABLE
MAH MCA CET 2025
FREE CRASH COURSE

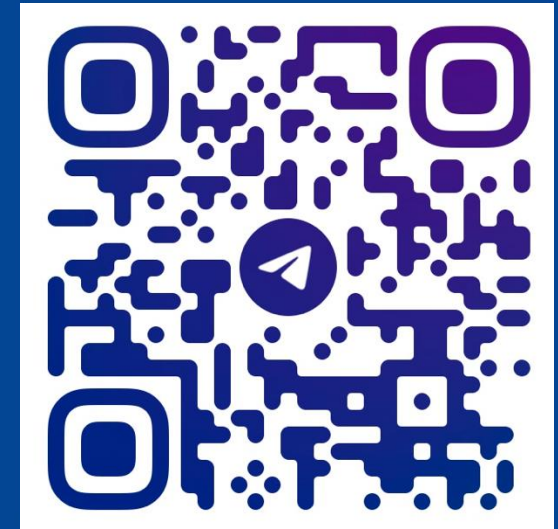




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FOR MAH MCA CET 2025



Seating Arrangement

→ Bounded
→ Unbounded

Questions based on various different arrangements for sitting of objects or people.

Arrangements can include –

1. Linear Arrangement
2. Circular Arrangement
3. Polygonal Arrangement

→ Unbounded.
} ⇒ Bounded.



Linear Arrangement



* Direction facing toward North \uparrow or South \downarrow



* Immediate left/Right
Right/Left

Neighbors

A is immediate left of B



Circular Arrangement

4/5/6/7/8/9

* Facing \Rightarrow Center/Outwards/
Alternate Facing

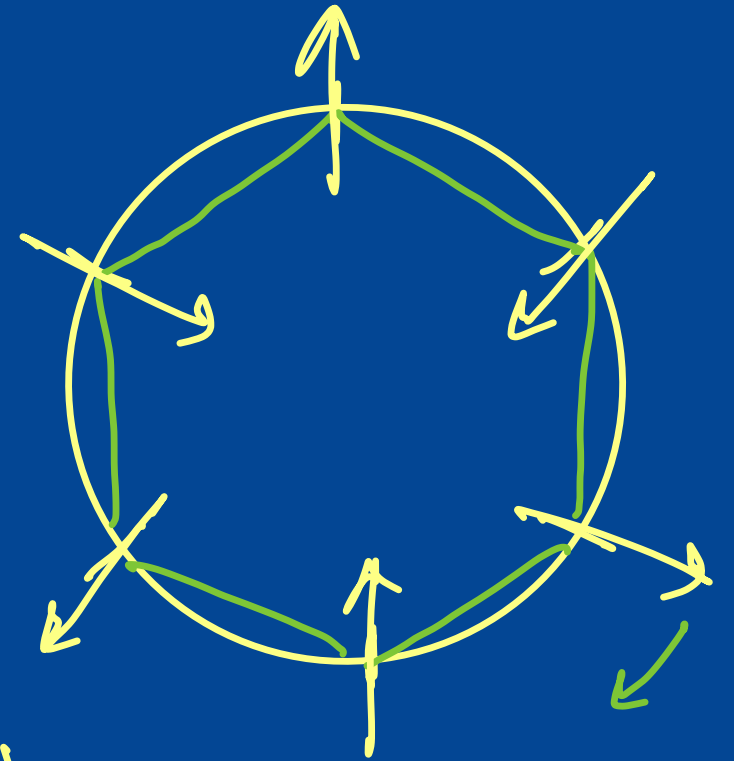
* Direction \rightarrow Inwards/Center Facing.

Right = Anti-clockwise

Outward Facing.

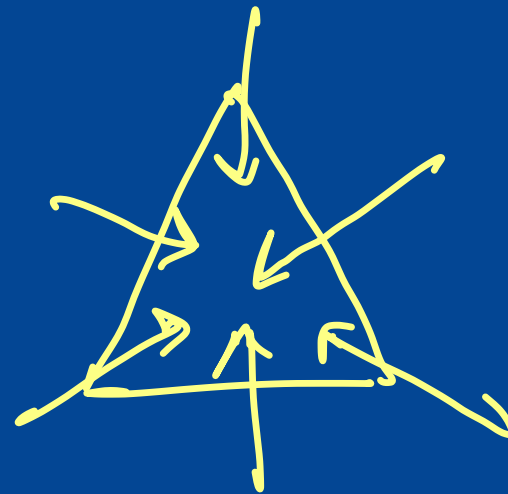
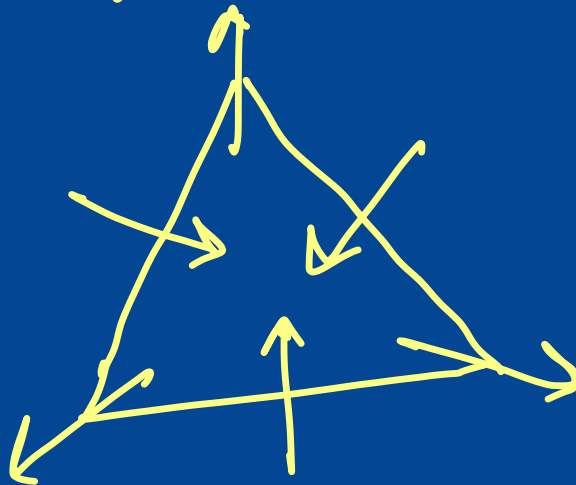
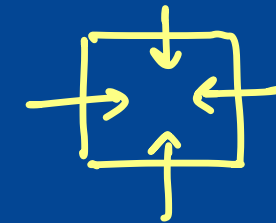
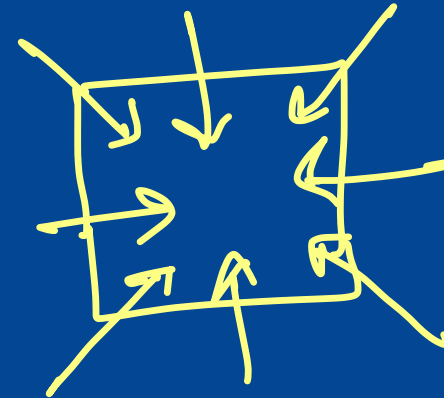
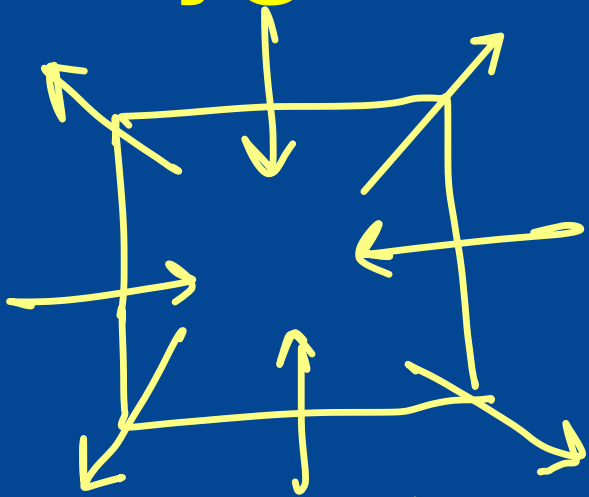
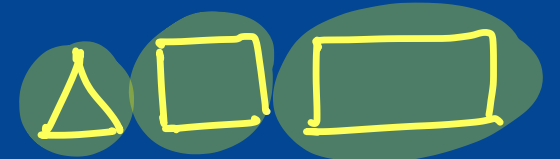
Right \rightarrow Clockwise

Left = Anticlockwise





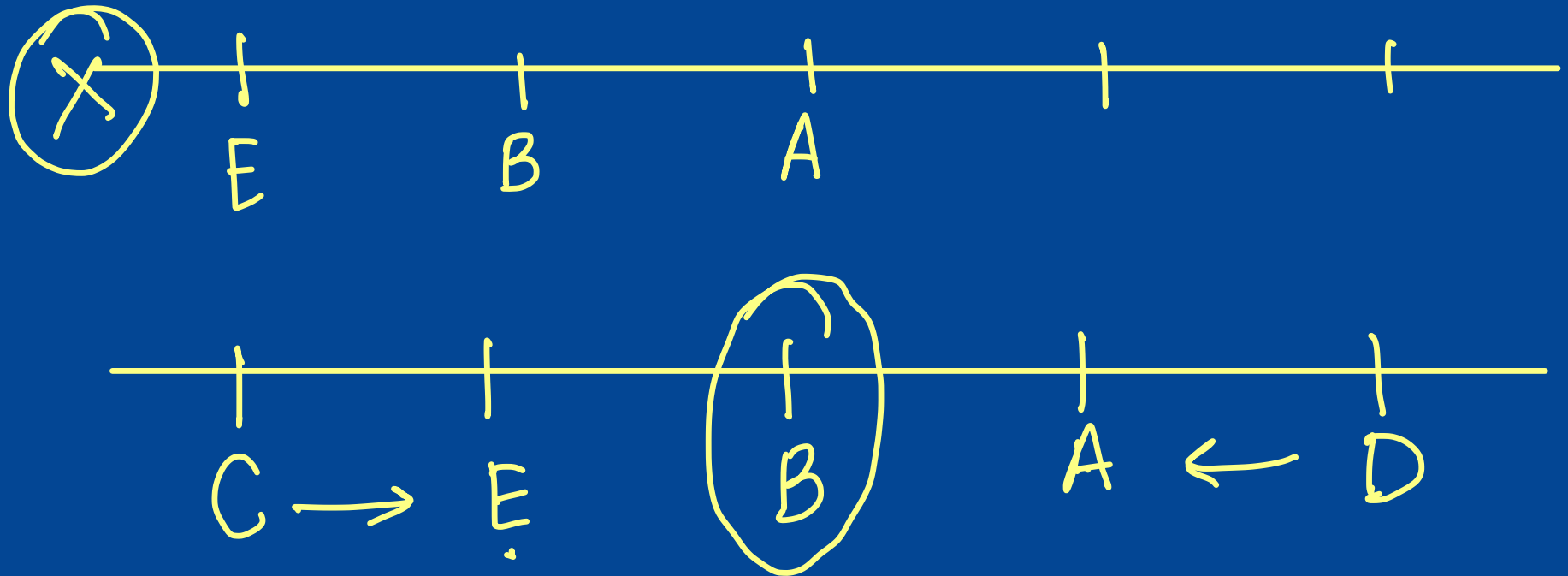
Polygonal Arrangements





Five boys are sitting in a row. A is on the right of B, E is on the left of B, but the right of C. If A is on the left of D, who is sitting in the middle?

- (a) E ~~(b) B~~ (c) A (d) C





Five boys A, B, C, D and E are in a row. A is on the right of B, E is on the left of B, but on the right of C and A is on the left of D. Who is second from the left?

(a) D

(b) A

(c) E

(d) B



Of the six members of a panel sitting in a row X is the left of Q, but on the right of P. Y is on the right of Q, but is on the left of Z, Z is to the left of R. Find the members who are at the extreme?

Who
2nd element

(a) QZ

(b) XZ

(c) PR

(d) QY



at-ends

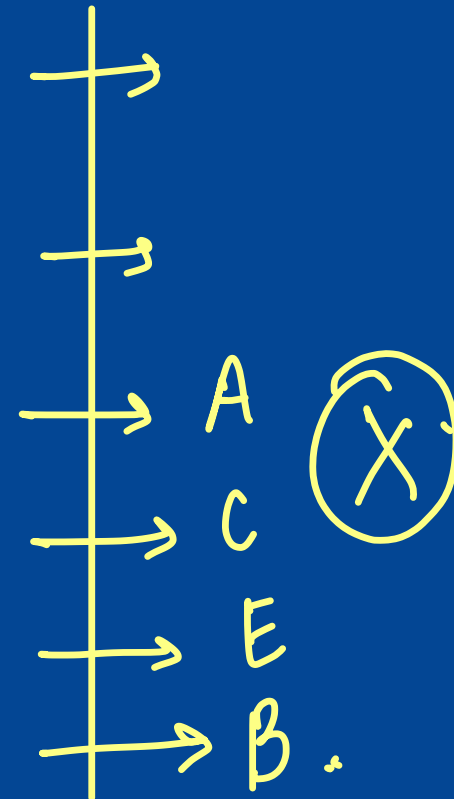
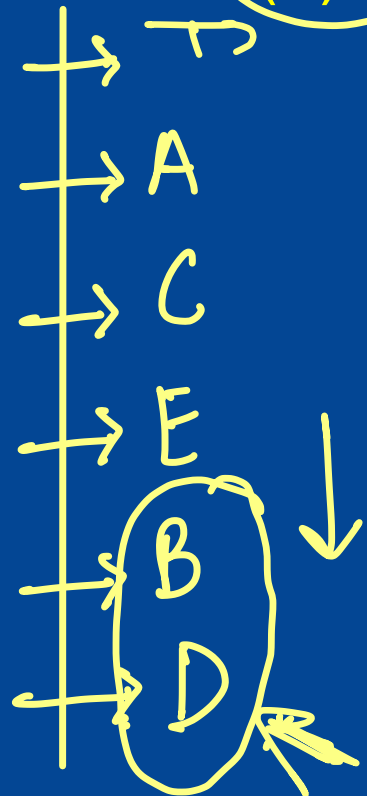
Six friends A, B, C, D, E and F are sitting in a row facing East. C is between A and E. B is just to the right of E but left of D. F is not at the right end. How many persons are to the right of E?

(a) 1

(b) 2

(c) 3

(d) 4





On the seven members panel sitting in a row. X is to the left of Y, but on the right of O. P is on the right of Y, but is on the left of N and M is on the left of Z, who is to the left of O. Find the member sitting right in the middle.

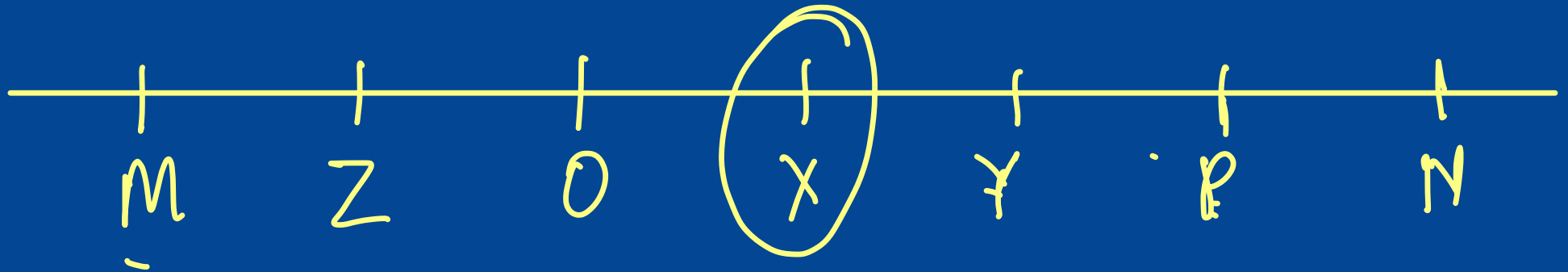
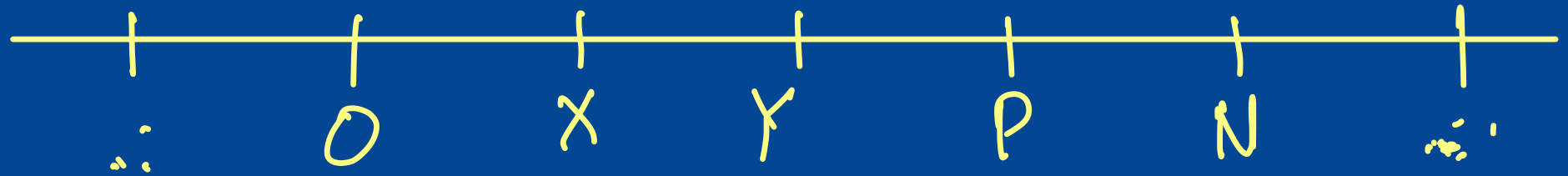
(a) Z

(b) P

(c) X

(d) D

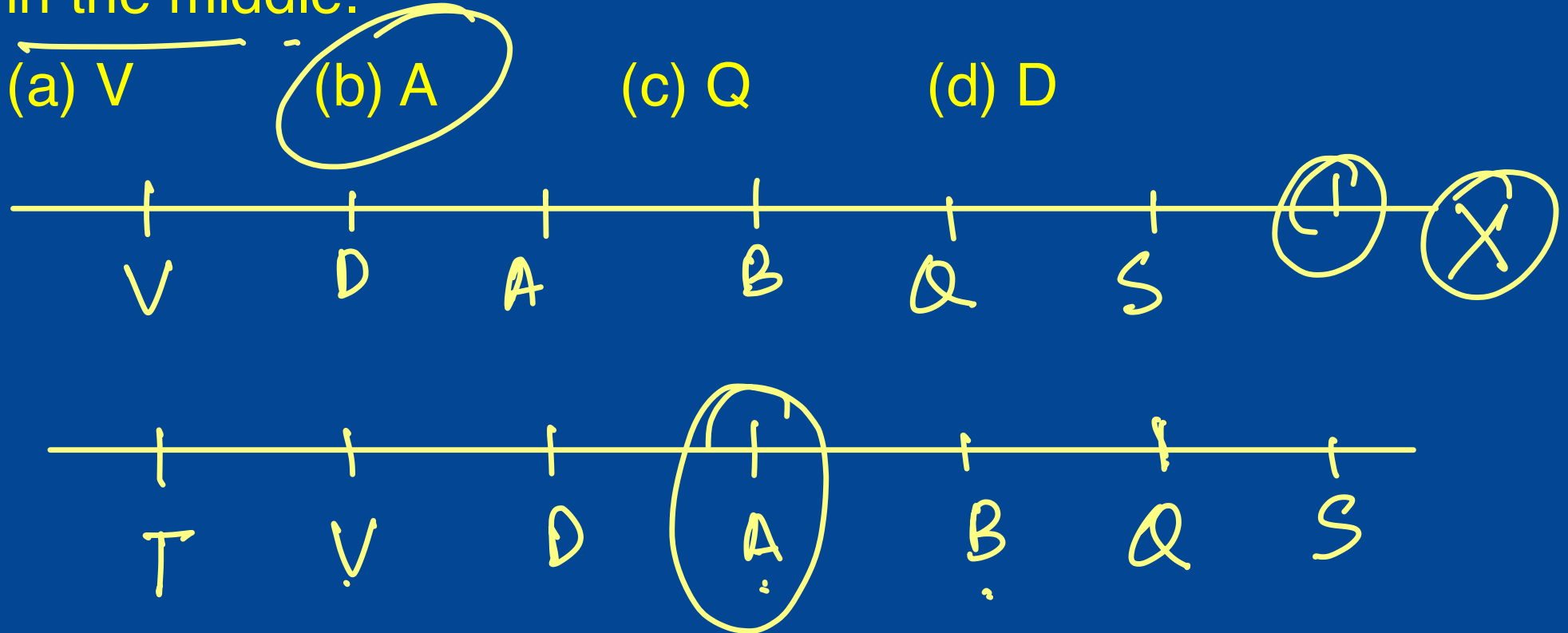
OXY





On the seven members panel sitting in a row A is to the immediate left of B, but on the immediate right of D. Q is on the right of A, but is on the left of S and T is on the left of V who is to the left of D. Find the member sitting right in the middle.

DAB





R → ACW L → CW

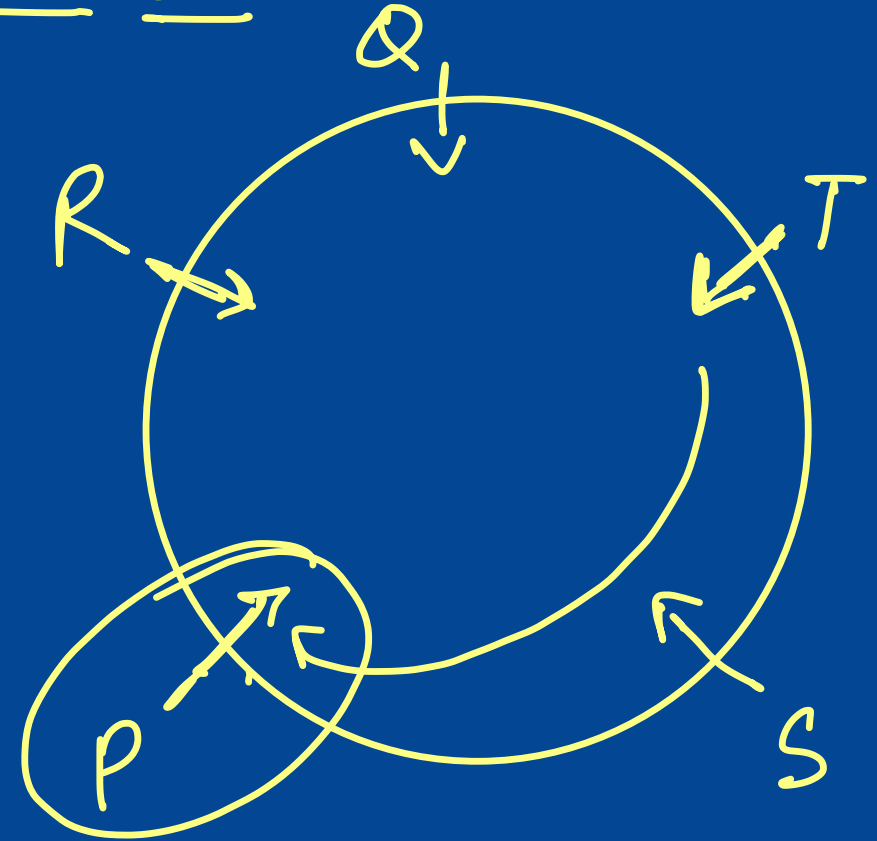
Five friends P, Q, R, S and T are sitting around a circular table facing the centre of the table. S is sitting to the immediate right of P. T is sitting to the immediate left of Q, P is between S and R. Who is sitting at the second place to the left of T?

(a) R

(b) Q

(c) P

(d) S





P, Q, R, S, T and U are six friends sitting at equal distances from each other around a circular table facing the centre of the table. U is sitting at the 4th position to the left of T. Someone is sitting between S and T, but it's not P. R is sitting to the immediate left of U. Who is sitting opposite T?

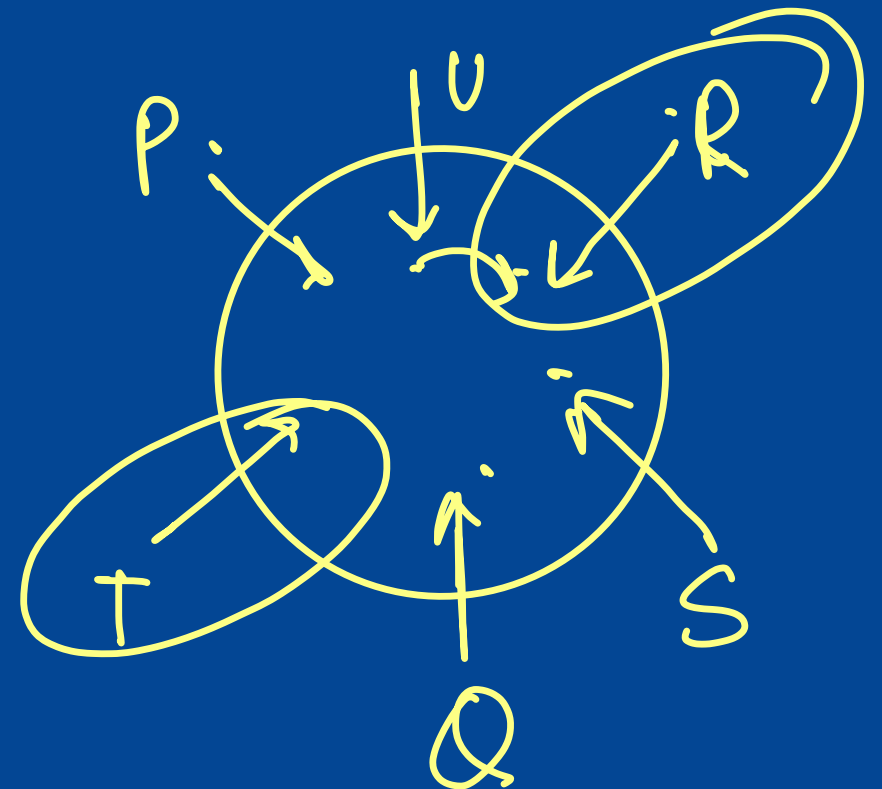
R = ACW
L = CW

(a) S

(b) P

~~(c) R~~

(d) Q





R = ACW
L = CW

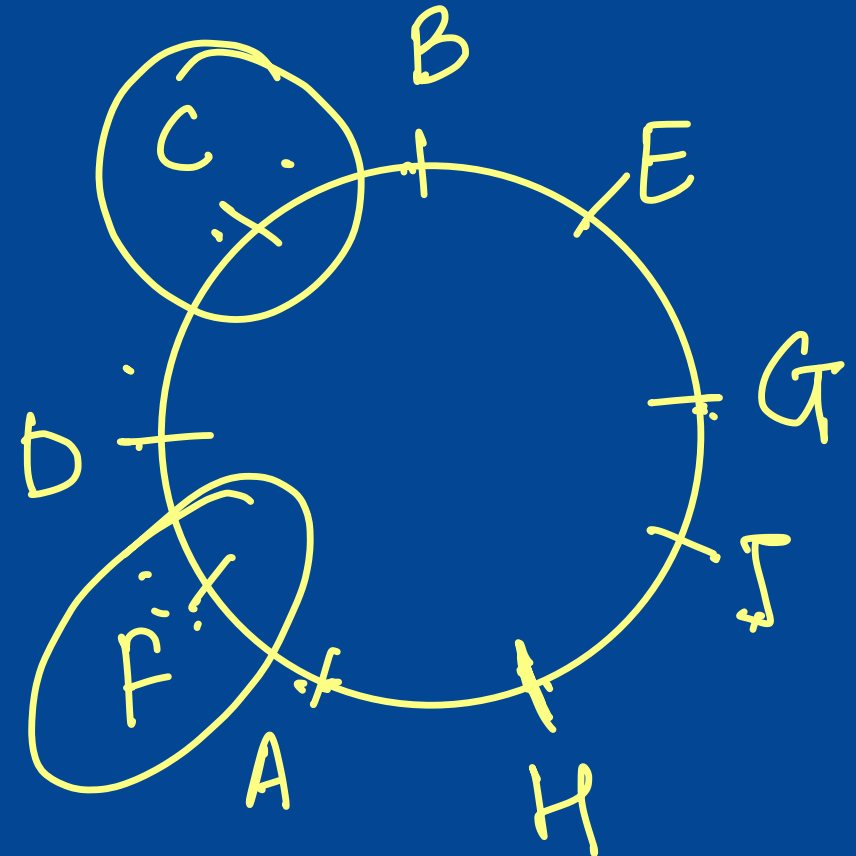
A, B, C, D, E, F, G, H and J are sitting around a circle facing the centre. C is third to the left of A. E is fourth to the right of A. D is fourth to the left of J, who is second to the right of A. F is third to the right of B. G is not an immediate neighbour of A.

1. Who is second to the left of H?

- (a) A (b) F (c) D (d) Data inadequate

2. Who is third to the right of G?

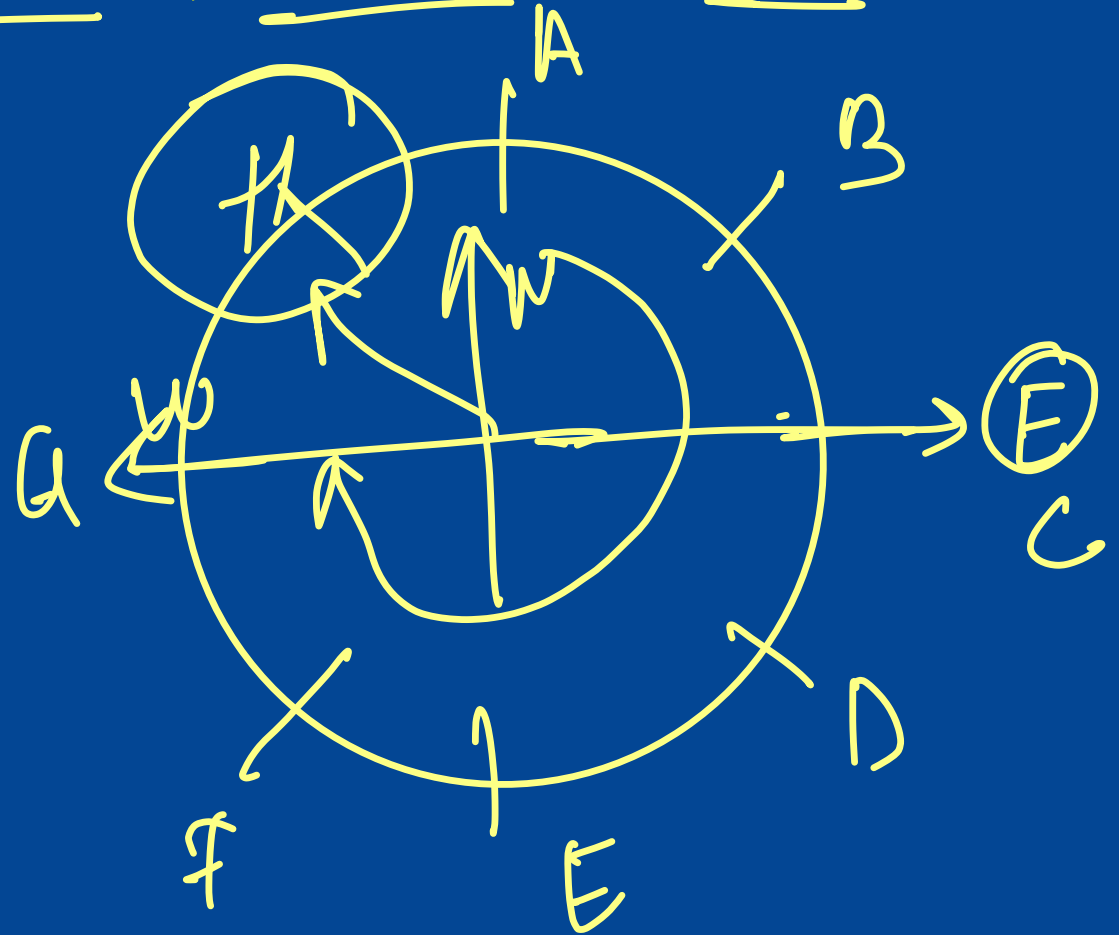
- (a) B (b) D (c) A (d) None of these





A, B, C, D, E, F, G and H are sitting in a circular manner in the same order for lunch at equal distance. Their positions are clockwise. If C sits in the East, then what will be the position of H?

- (a) South
- (b) North-West**
- (c) East
- (d) South-East

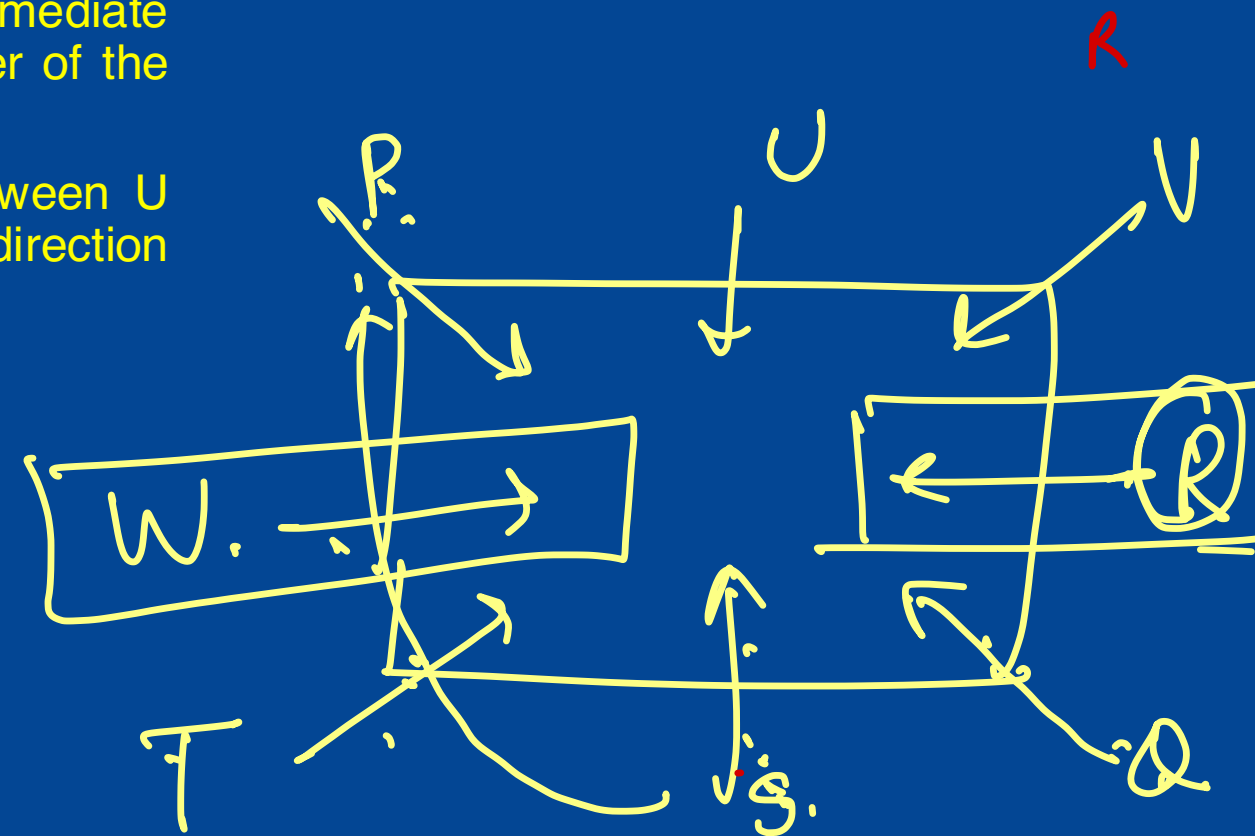




There are eight persons viz. P, Q, R, S, T, U, V and W sitting around a rectangular table and facing to the center but not necessarily in the same order. Four of them sit at four corners of the table while four sits in the middle of each of the four sides. There are two persons sit between S and V. There is one person sit between V and P, who is not an immediate neighbour of S. R is neither an immediate neighbour of P nor S. U sits to the immediate right of V. S does not sit at any corner of the table. W sits 3rd to the left of Q.

1. How many persons are sitting between U and T, when counted in clockwise direction from T?

- (a) None
- (b) One
- (c) Two
- (d) Three





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2. Who among the following faces to W?

(a) R

(b) V

(c) U

(d) S



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3. Who among the following sits 3rd to the left of R?

(a) W

(b) Q

(c) T

(d) V



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4. What is the position of P with respect to S?

(a) 2nd to the right

~~(b) 3rd to the left~~

(c) 2nd to the left

(d) 3rd to the right



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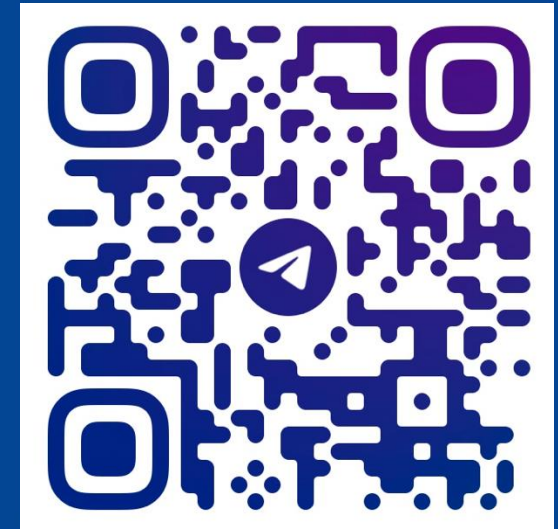
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