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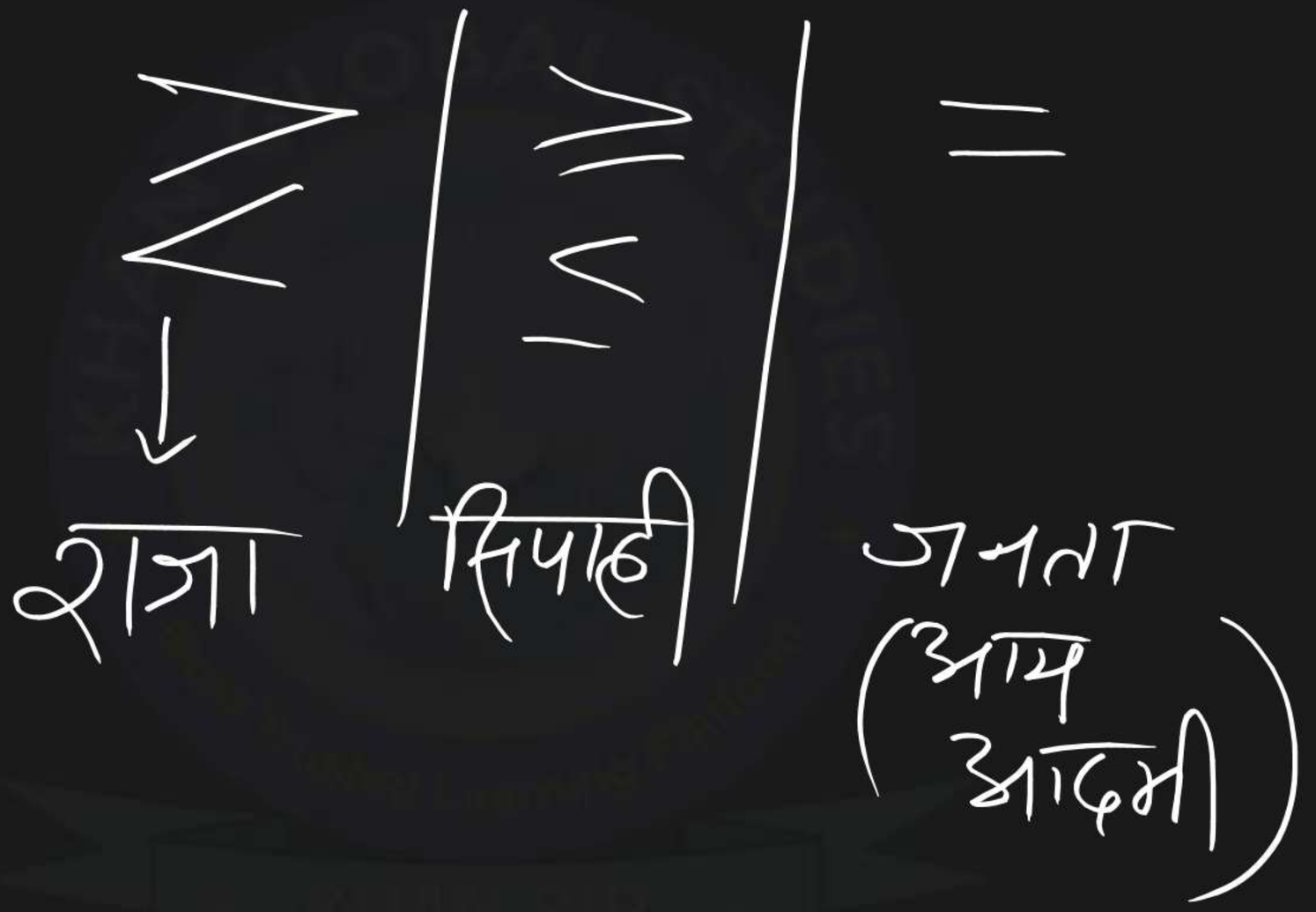
HITESH SIR

REASONING By Hitesh Mishra Sir

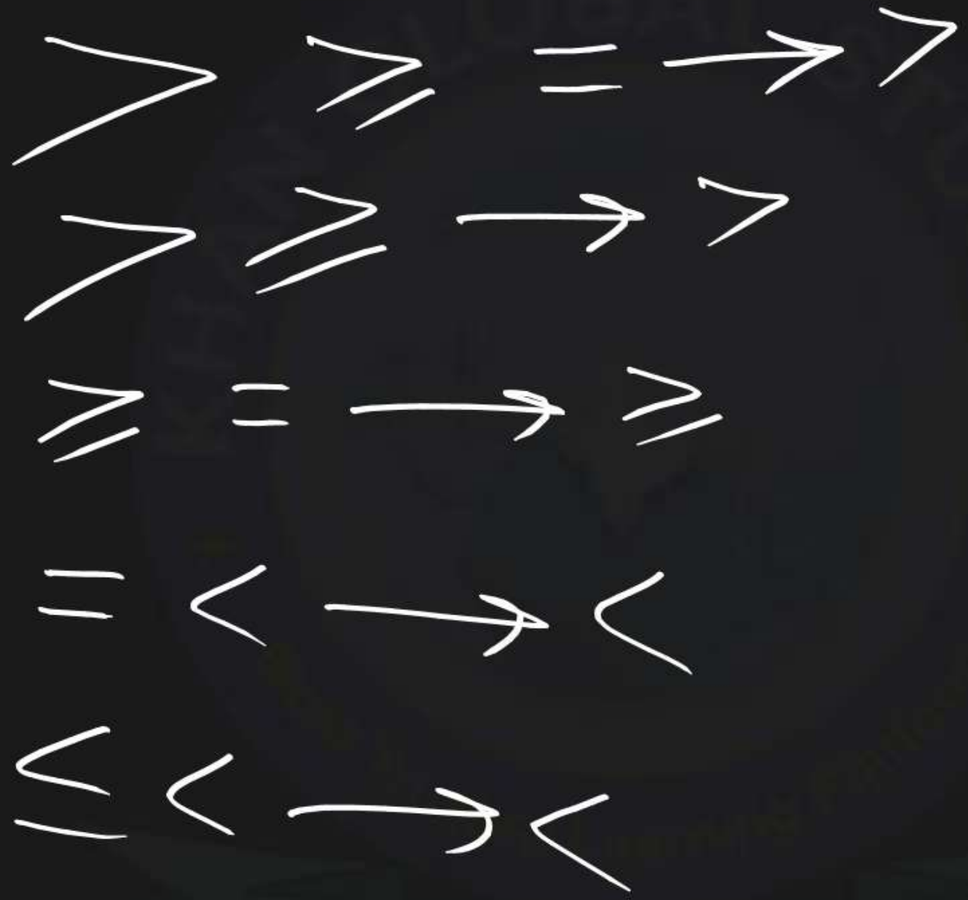
Inequality

Symbol	Meaning
A > B	A is greater than B A, B से बड़ा है।
A < B	A is less than B A, B से छोटा है।
A = B	A is equal to B A, B के बराबर है।
A ≥ B	A is either greater than or equal to B A, B से बड़ा या बराबर है।
A ≤ B	A is either less than or equal to B A, B से छोटा या बराबर है।
A ≠ B	A is either greater than or less than B A, B से या तो बड़ा या छोटा है।


राजा
सिपाही
जनता
(आम आदमी)

① जब सारा sign एक तरफ होगा तबही Relation बनेगा।

② जब sign ($<$ $>$ आमने-सामने) या (Back to Back $><$) होगा तो No Relation होगा।



कथन $A > B \geq C$

निष्कर्ष

(I) $A > C$

(II) $A \geq C$ ✗

कथन $P < Q \leq R$

निष्कर्ष

(I) $P = R$ ✗

(II) $P < R$

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Statement कथन	Conclusion निष्कर्ष
P ≥ Q ≥ R	P ≥ R
P > Q ≥ R	
P ≥ Q > R	
P = Q > R	
P > Q = R	
P < Q < R	P < R
P < Q ≤ R	
P ≤ Q < R	
P = Q < R	
P < Q = R	

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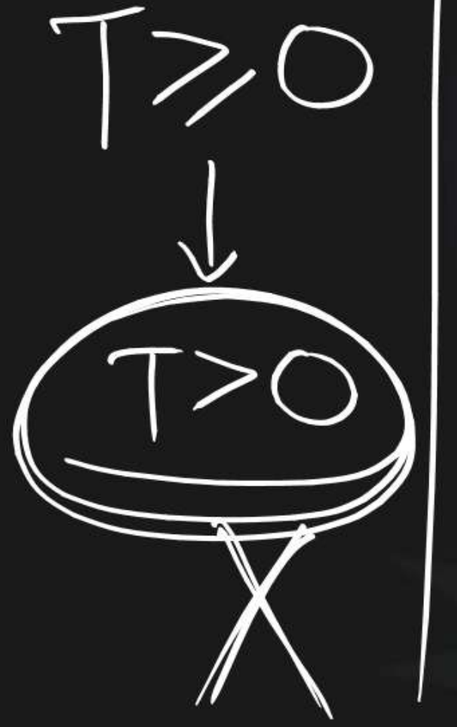
$P \geq Q \geq R$	$P > R$ or $P = R$
$P = Q \geq R$	$P \geq R$
$P \geq Q = R$	
$P \leq Q \leq R$	$P < R$ or $P = R$
$P = Q \leq R$	$P \leq R$
$P \leq Q = R$	
$P < Q > R$	No conclusion
$P \leq Q > R$	कोई निष्कर्ष नहीं निकलेगा
$P < Q \geq R$	
$P > Q < R$	
$P > Q \leq R$	
$P \geqq Q < R$	



1. > ≥ =

ex- If Z>T≥M=O

Then, Z> M and T>O

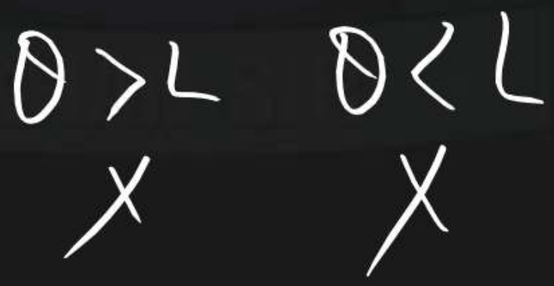
2. < ≤ =

ex- If K<X≤V=Y

Then, K<Y and P<V

3. > < (No relation)

ex- If Q>K<L



4. > ≤ (No relation)

ex- If L>J≤H

L>H ✗

no relation between L and H.

5. < > (No relation)

ex- If U<E>Q U>Q ✗

will be no relation between U and Q.

6. < ≥ (No relation)

For ex- If W<S≥Z

will be no relation between W and Z.

W>Z ✗

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1. Only conclusion I is true
2. Only conclusion II is true
3. Both conclusion I and II are true
4. Neither conclusion I nor II is true
5. Either conclusion I or II is true

दोनों गलत

या तो I या II सही

1

Statement:

$A \geq B < C < D < E = F$

Conclusions :

(a) F>B

(b) D<A

2

. Statement:

face to face

$X \geq Y > Z < A = B > C$

बड़ा to बड़ा

Conclusions:

(a) X>B ✗

(b) Z>C ✗

3

Statements: $Z \leq W < X \geq B < E$

Conclusion:

I. $X > Z$

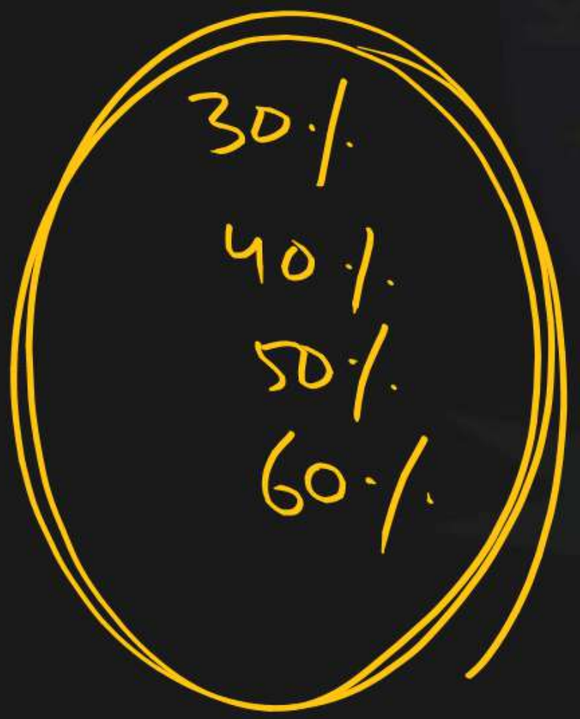
II. $B > Z$

4 Statements: K < O ≤ M < N > H

Conclusion:

I. N > K

II. H > M ✗



5 Statement: $H \geq T = U < V \geq X > Q$

Conclusions:

I. $Q > H$ ✗

II. $V > H$ ✗

6

Statement:

$M \geq N < O = P > Q > R$

Conclusions:

(a) $M > Q$

(b) $O > R$

7

Statement: A > F ≤ C = D < E

Conclusion I: A > E

Conclusion II: F < E

8 Statements: W > A ≤ R > S = T

Conclusions:

I. W ≤ T ✗

II. T > A ✗

9

Statement:

$H \geq M \leq V = K$

Conclusions:

(1) $H < K$ (2) $H \geq K$

10

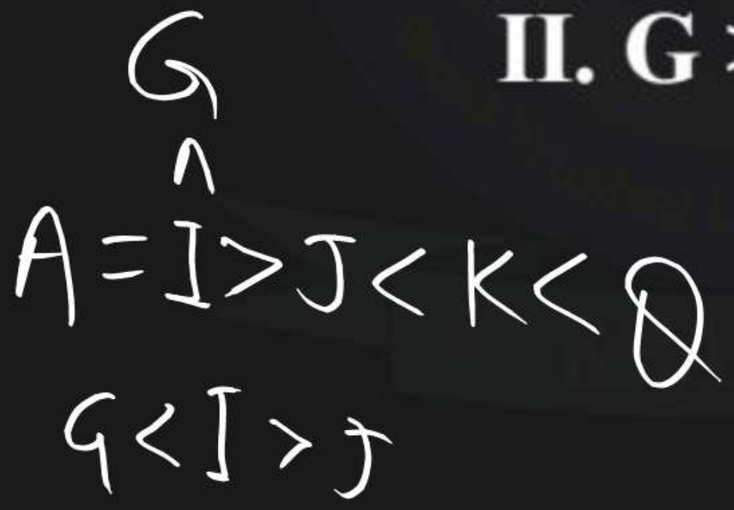
कथन:

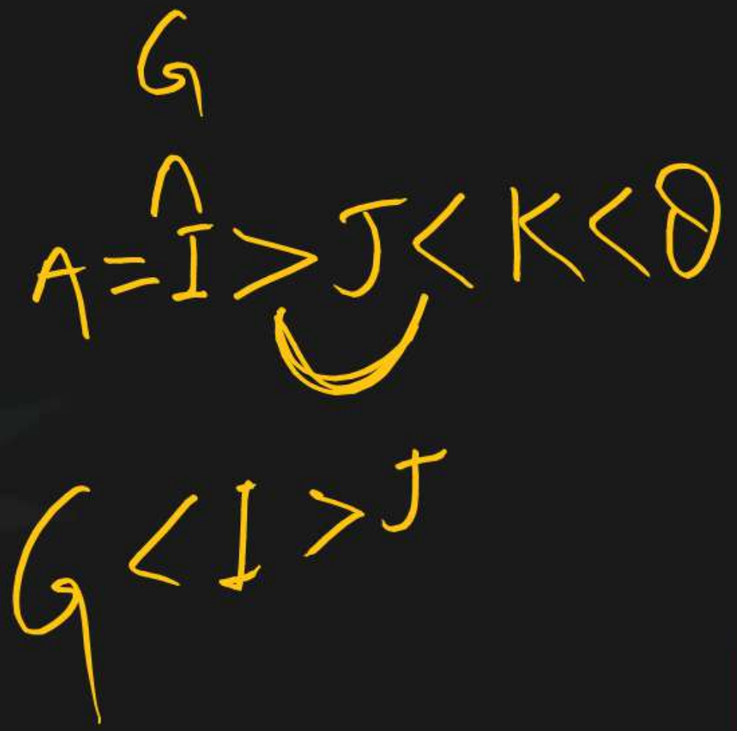
$K > J, K < Q, I = A, I > G, I > J$

निष्कर्ष:

I. $I > K$

II. $G > J$





11

Statement: $R > S > Q \geq V$, $R < P \leq M < N$

Conclusions: I. $Q < N$

II. $V \leq M$

$N > M \geq P > R > S > Q \geq V$ X

$N > R > Q$

$N > Q$ ✓

$M > R > V$

$M > V$

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THANKS FOR WATCHING