



Selection Way
New way of Learning



LOGIC
ANALYSIS
PRACTICE
SUCCESS

ANALYZE
THINK
SOLVE
PRACTICE
IMPROVE



Foundation Batch 2.0

Reasoning

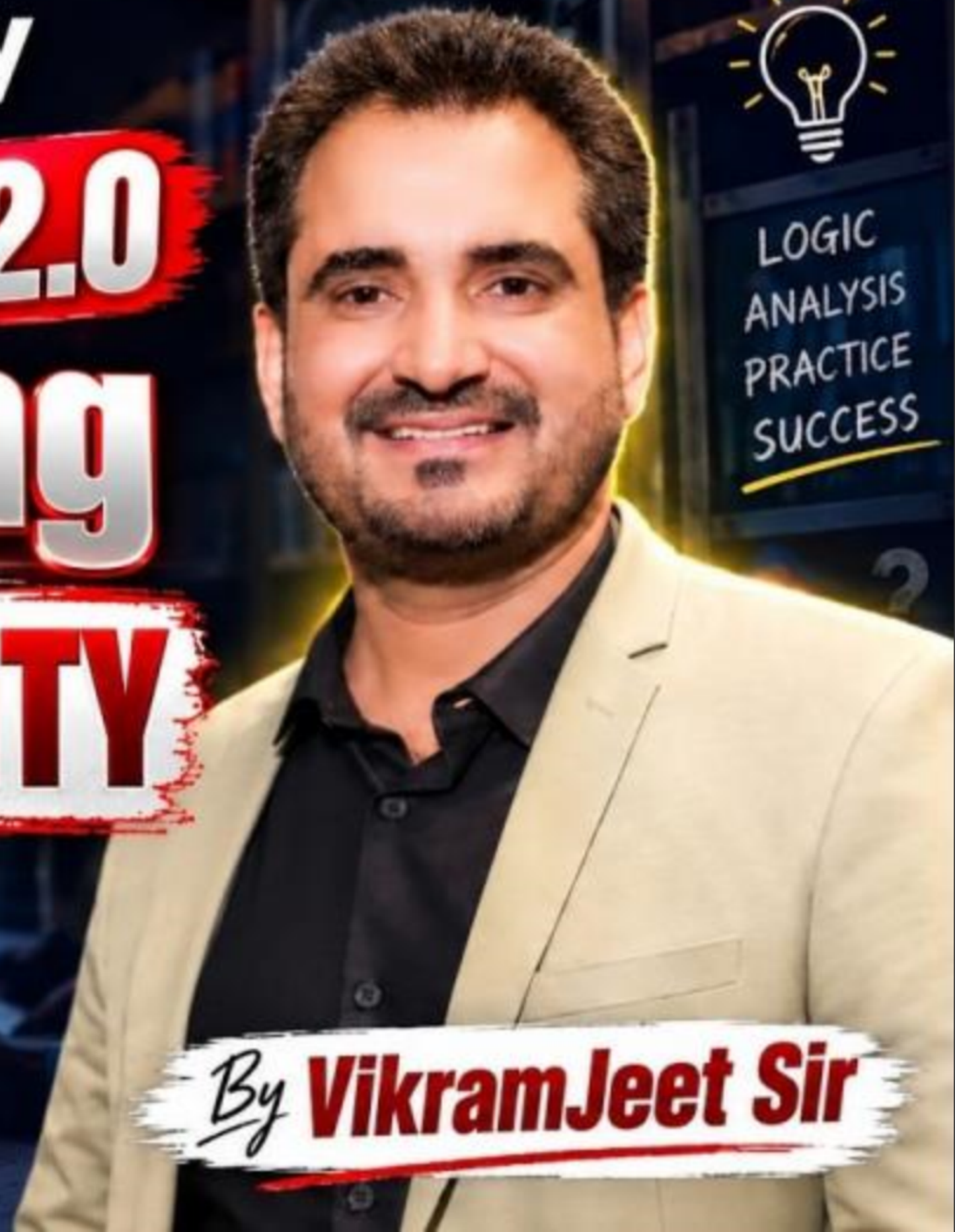
CODED INEQUALITY

Demo Class 01

- ✓ Basic Concepts
- ✓ Short Tricks
- ✓ Exam Oriented Questions

*Think
Solve
Succeed*

By **Vikram Jeet Sir**



$A > B < C \Rightarrow$ No relation

$A \geq B < C \Rightarrow$ No relation

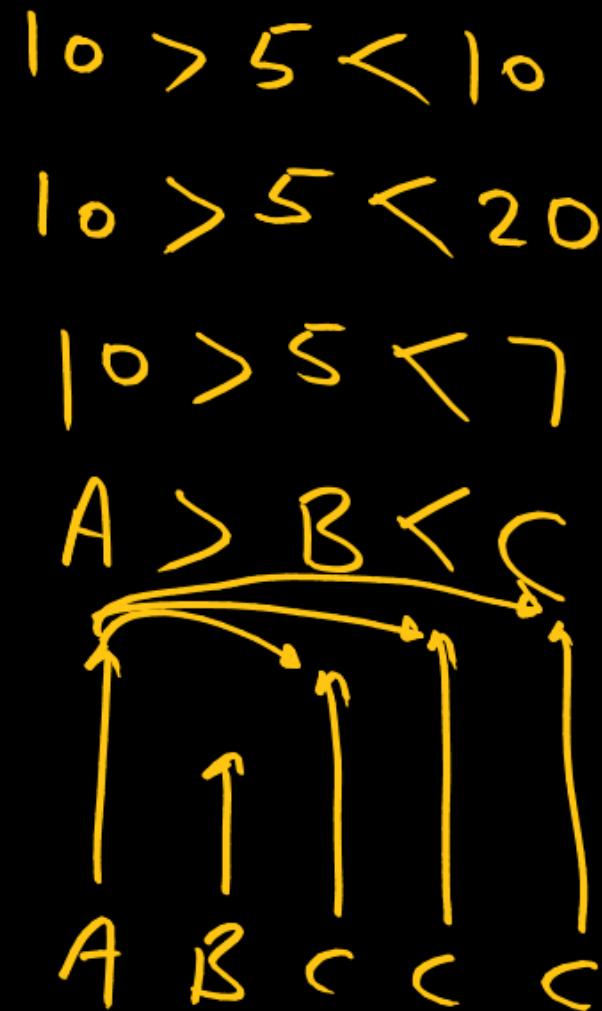
$A \geq B \leq C \Rightarrow$ No relation

$A < B > C \Rightarrow$ No relation

$A \leq B > C \Rightarrow$ No relation

$A \leq B \geq C \Rightarrow$ No relation

$\left. \begin{array}{l} > A < \\ < A > \end{array} \right\} \Rightarrow \text{No Relation.}$



$$K \geq R > H < V \leq D$$

Statement :
 $\Leftarrow \underline{K \geq R}, \underline{H < R}, \underline{H < V}, \underline{D \geq V}$

Conclusion :

✓ 1. $K > H$

✗ 3. $K > D$

✗ 5. $R < D$

✗ 2. $K < V$

✗ 4. $R > V$

✓ 6. $H < D$

$$K \geq R \geq T < H \leq V < M$$

Statement :

$$K \geq R, T \leq R, T < H, V \geq H, V < M$$

Conclusion :

1. $K \geq T$

3. $K \geq V$

5. $R > H$

7. $R < M$

9. $T > M$

2. $K < H$

4. $K > M$

6. $R > V$

8. $T < V$

10. $H \geq M$

$$\checkmark T < M$$

$$H < M \checkmark$$

$$R \leq D < H < M > S \geq W$$

Statement :

$$R \leq D, H > D, H < M, S < M, W \leq S$$

Conclusion :

$$\checkmark R < H$$

$$\checkmark D < M$$

$$1. R \leq H$$

$$2. R \leq S$$

$$3. D > M$$

$$4. D \leq W$$

$$5. H > W$$

$$6. R > M \quad R < M \checkmark$$

$$7. R < W$$

$$8. D < S$$

$$9. H < S$$

$$10. M < W$$

$$M > W \checkmark$$

$$K \geq V > D < M > R \geq H \quad \Leftarrow$$

$\checkmark K > D$

Statement :

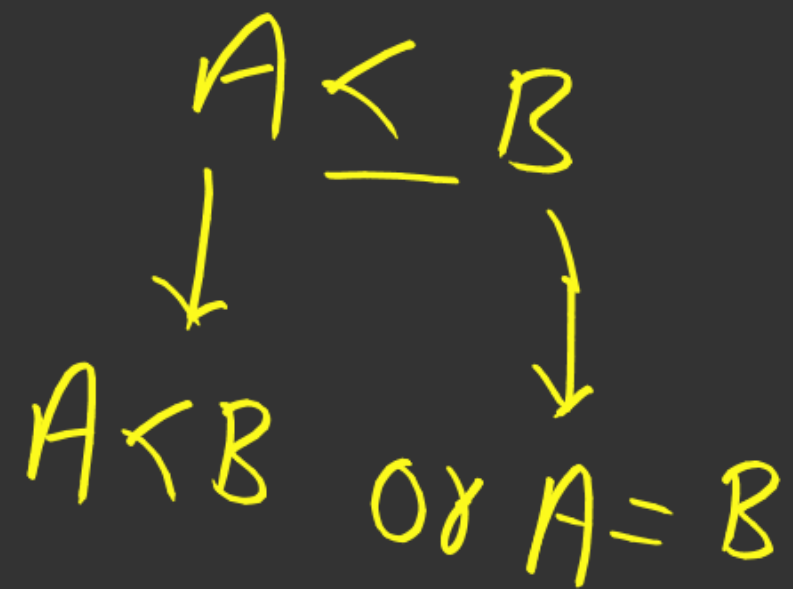
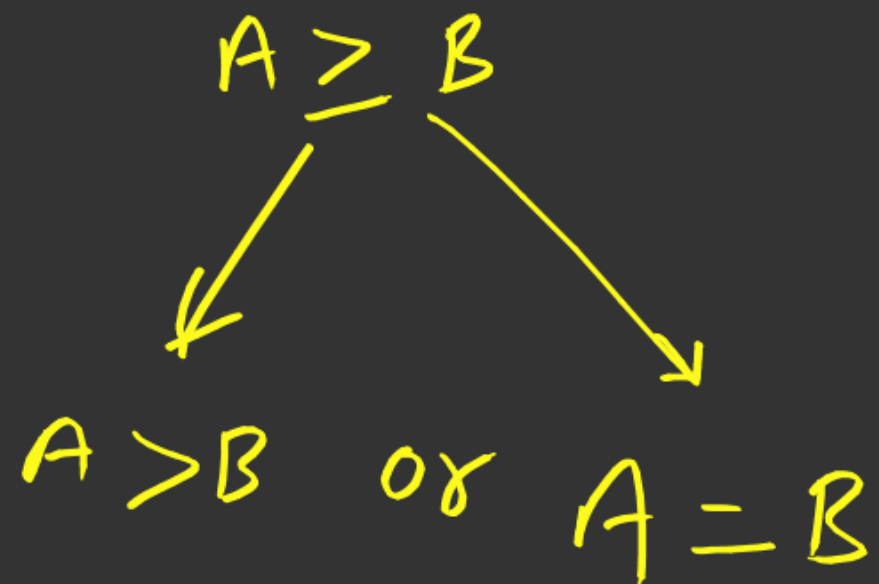
$$\underline{K \geq V > D}, \underline{M > D}, \underline{M > R \geq H}$$

Conclusion :

- ~~1.~~ $K \geq D$
- ~~2.~~ $K > R$
- ~~3.~~ $V \geq M$
- ~~4.~~ $V \geq H$
- ~~5.~~ $H < D$

- ~~6.~~ $K \geq M$
- ~~7.~~ $K > H$
- ~~8.~~ $V < R$
- ~~9.~~ $R > D$
- ~~10.~~ $H < M$

$$M > H$$



Either | or Case

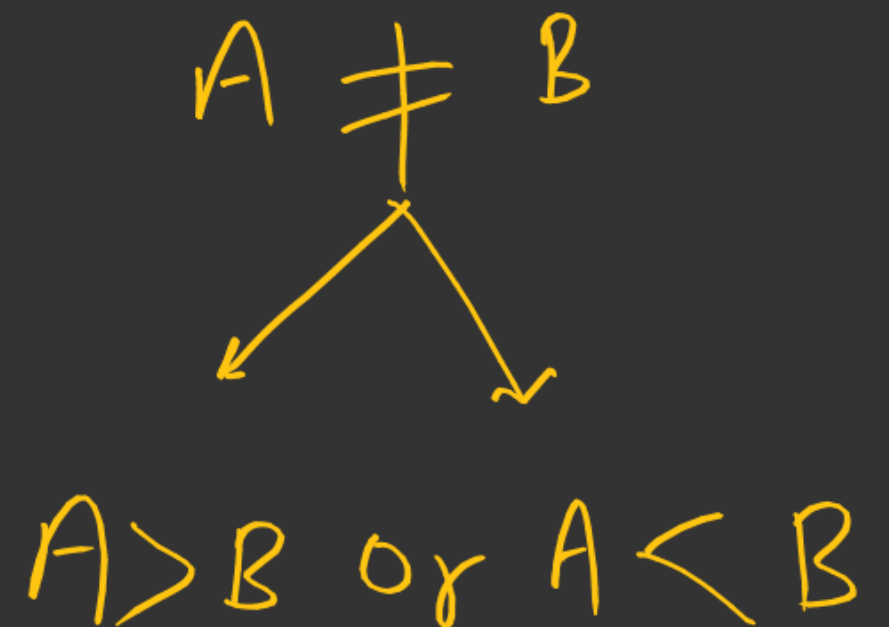
$$A > \underbrace{B}_{\{B\}} < C$$

① $A > C$ — ϕ

② $A \leq C$ — ϕ

जब तीनों $\text{Sign}(>, <, =)$
गलत हो जायें तो

Either ① or ②



Statement :

$$K \geq R, R \geq T, T \geq V$$

Conclusion :

1. $K > V$

2. $K = V$

Either ① or ②

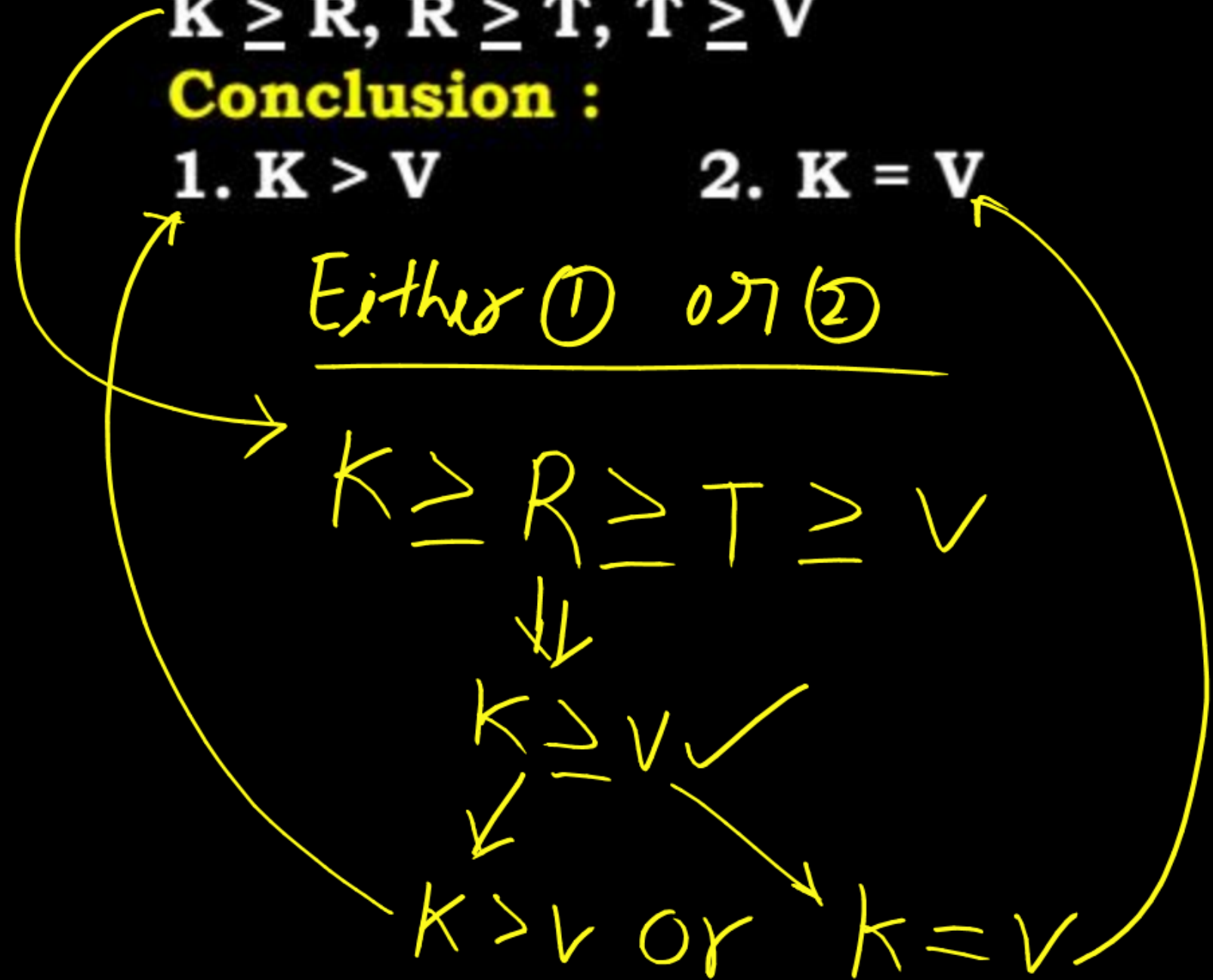
$$K \geq R \geq T \geq V$$



$$K \geq V \checkmark$$



$$K > V \text{ or } K = V$$



Statement :

$$R \leq T \leq V \leq K < H \Leftarrow \underline{R \leq T}, \underline{V \geq T}, \underline{V \leq K}, \underline{H > K}$$

Conclusion :

$$R \leq K \checkmark$$

↓

$$R < K$$

OR

$$R = K$$

$$1. R < K$$

$$3. R = K$$

$$5. T \leq H$$

$$2. R > V$$

$$4. R < H$$

$$R \leq V \checkmark$$

$$T < H \checkmark$$

4th follow and Either ① or ③

Statement :

$$T \geq V > M \geq R \geq L \quad \leftarrow T \geq V, M < V, M \geq R, L \leq R$$

Conclusion :

- | | |
|-----------------|------------|
| ✓ 1. $T > M$ | 2. $M > L$ |
| ✓ 3. $V < L$ | 4. $M = L$ |
| ✓ 5. $T \geq L$ | |
- $M \geq L$ (with arrows pointing to 2 and 4)

$$T > L \quad \checkmark$$

1st follow and Either (2) or (4)

$$R \leq H \leq V < D \leq L \leq B$$

Statement :

$$\underline{R \leq H}, \underline{V \geq H}, \underline{V < D}, \underline{L \geq D}, \underline{B \geq L}$$

Conclusion :

$$R \leq V \quad \begin{array}{l} 1. R < V \\ 3. D < B \\ 5. D = B \end{array}$$

$$\begin{array}{l} 2. H < L \\ 4. V \leq B \end{array}$$

$$V < B \checkmark$$

2nd follow and Either (3) or (5)

$$K \geq \cancel{R} < D \leq M \leq H \Leftarrow$$

Statement :

$$K \geq R, \underline{D > R}, \underline{D \leq M}, \underline{H \geq M}$$

Conclusion :

$$1. K > D$$

$$2. D = H$$

$$3. D \geq H$$

$$4. D > H$$

$$5. K < H$$

$$D \leq H$$

$$\begin{array}{c} D \leq H \\ D \leq H \\ \swarrow \searrow \\ D < H \text{ or } D = H \end{array}$$

$$K \geq R \geq H > G \geq V$$

$$\checkmark K \geq H$$

$$\checkmark R > G$$

4th follow

Statement :

$$K \geq R \geq H, G < H, G \geq V$$

Conclusion :

$$1. K < H$$

$$3. R < G$$

$$5. R \geq V$$

$$R > V$$

$$2. K = H$$

$$4. K > G$$

$$M \leq R < V \leq H \leq D$$

Statement :

$$M \leq R, V > R, V \leq H, D \geq H$$

Conclusion :

✓ 1. $M < D$

✗ 3. $V < D$

✗ 5. $V = D$

$$V \leq D \begin{cases} \rightarrow \\ \rightarrow \end{cases}$$

✗ 2. $R \leq D$

✗ 4. $R \leq H$

$R < D$ ✓

$R < M$ ✓

1st follow and Either (3) or (5)