

y In Syllogism D) Some A are B Two negative strats DNO A is B 2) All A are B 2) Some A are not B White checking conclusion after drawing Venn diagram, For positive conclusion, just see the diagram of answer, D<u>All A are B</u> exactly All A should be inside B only then it follows 2) Some A au B, if there is a relation between A and B, through di seeing diagram then it follows After drawing possibility For negative conclusion diagram, cheek luch that is doesn't deviate the given statements No A is B) Read like: some one is claiming None of the A is B, so defend him by proving Atleast some A are B by drawing possibility diagram, if you could not prove some A are B, then No A is B - I follows Note: If all statements given are positive, then negative conclusion never follows step 2: It step 1 is not viable, then think of possibility diagram

2) Some A are not B Read like: Some one is claiming that some A are definitely not B. so defend him by proving All A are B. if you prove themther. Some A are not B is false, otherwise some A are not B is true. Note: If all stants are positive, negative conducion never follows Step2: If step 1 is not viable, then think of possibility diagram, draw without deviating the statements given.

Important Hint:

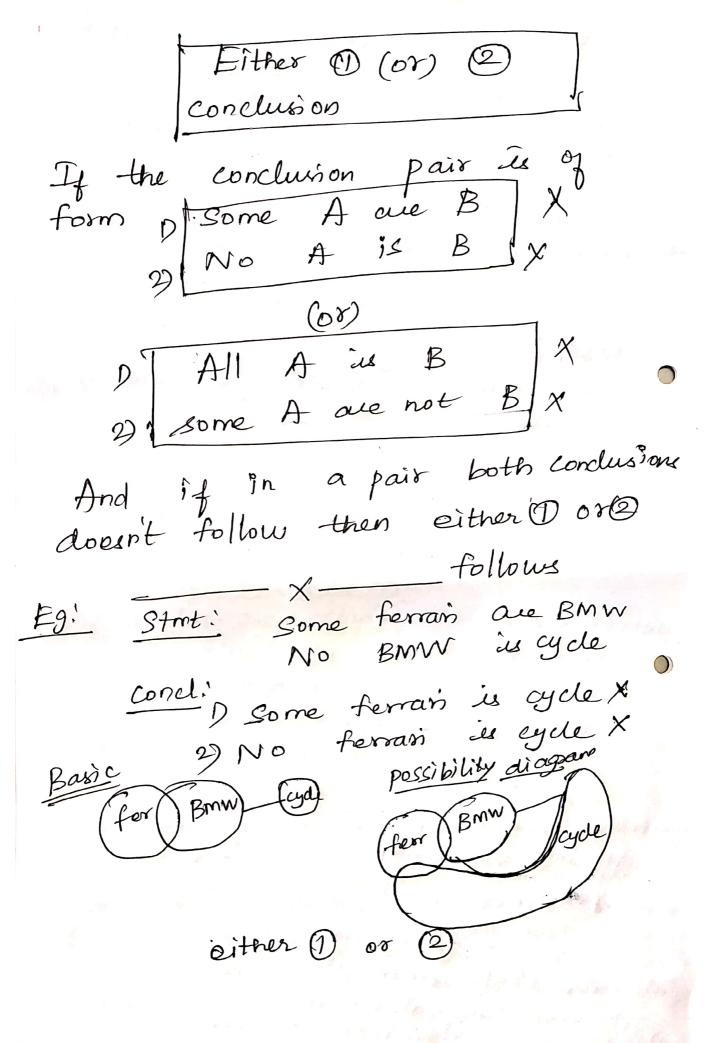
For all the strate, I -re conclusion never follows

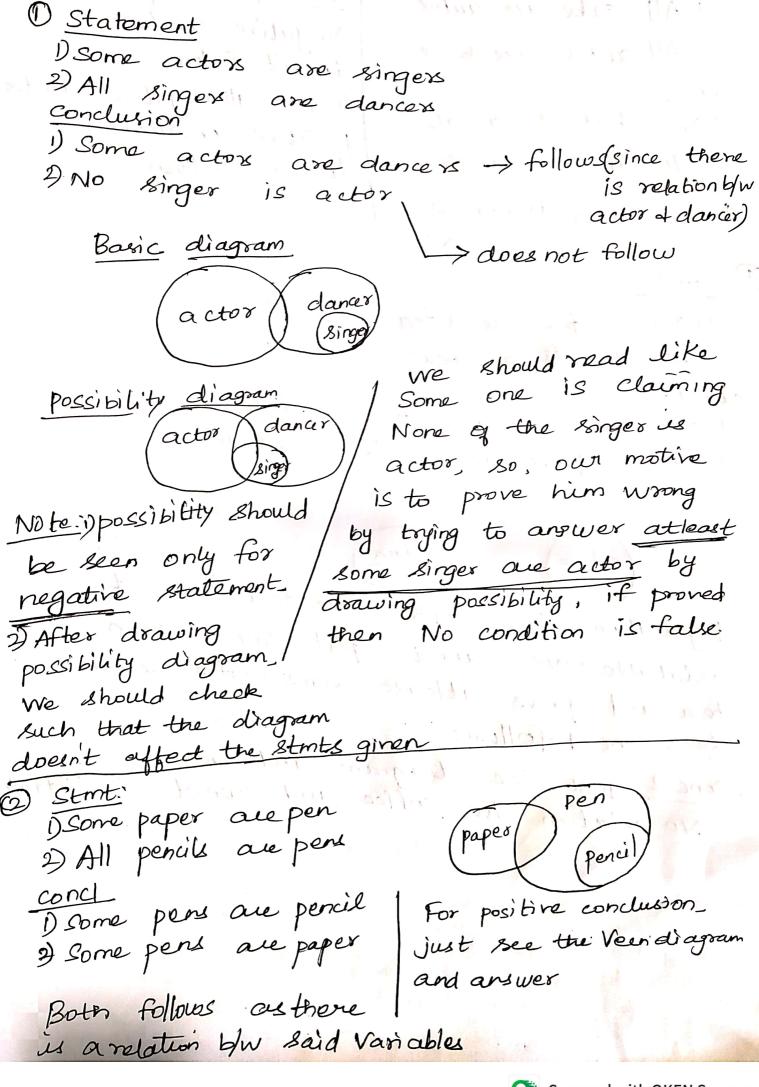
(If all strate are true)

If all strots are 3 tre conclusion rever follows

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(3) <u>Stmt</u>.

DAII cabs are autos

2) All autos are busce

Conc-

DNO bus ils a cab

2) No auto is a cab

Ans: Neither 1 nor 2

Note:) For all positive strate Negative conclusion doesn't follow

2) For all negative starts positive conclusion doesn't follow.

4) Stmt.

DNo coffee is a tea 2) All sweets are teas

ter p tive it here

just the same of the start

concl.

DNO coffee is a sweet - follows

2) Some coffece are sweets - Not follows

coffee

Explanation: Since coffee are tea are not relatable we cannot split sweet from tea and prove atleast some coffee are sweet markey 201 30 3

so, conc. I follows conc 2. just see dragram and answer. No rolation b/w coffee and sweet so Notfollow

and so spice all

o had bent use hand

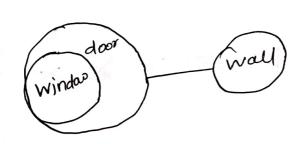
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- windows are doox
- 2) No door is a wall

Concl:

- D' Some windows are walls Not follows
- 2) No nall is adoor -follows

Basic diagram



Just see the digram Concl: 1 - No relation by wall of window so doesn't follow

Concl2: We cannot prove atleast some wall is a door as there is no relation b/w wall door and we cannot / no possibility of bringing wall near doors so, cond2-follows

6) Dome doctors are engineers 2) All erginees are architects

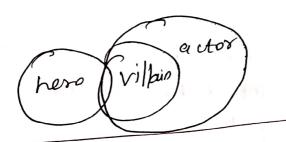
1) some doctors are architect - follows 2) No engînees is adoctor - does not follow

docto lengineer)

For all the strote negative conclusion is false.

y Stmt Stmt: Wall had milk Cavoury 2) All Savouries one coffee Conc No milk he savoury × 2) some milk are concl-2: No relation b/W milk and savoury so Savoury does not follow concli- There is no relation b/w milk and coffee, so we cannot take savoury out of coffee to prove at least some savoury are milk or toate bring milk inside savoury. so conce-2 follows Note: Here conclusion is in the form of some milk are savoury x 2) No milk is savoury This conclusion pair is of either 'or' form, same subject + predicates but one is following and another se not following so only conclusion 1 follows. suppose if both of these does not follows then either O or a follows

- 8) Stmt some heroes are Villains All Villains are actors
 - Concl Desome heroes one actors - follows
- 2) No Villain is a hero _ does not follow



- 9) Stmt. Some chaix are tables All desk are tables
- 1) some tables are deske-follow
 - 2) sonce tables one chaix -follow



10 Stmt: some lions one cats some cats one tigers conc: D'some dions oue tigex — does not follow 2) No tiger is a cost - doesn't follow

Basic diagram

(lion (cat liger) concl: No relation b/w lion of tiger so false

concid ; there is already relation b/w cat + tiger so, this conclusion is false

(1) Stort All bags are phones Some batteries are phones Conc. 1) All phones are Engs -X 2) All phones are batteries -X 3) Some bags are phone — (relation b/W bage phone) 4) Some bags are not batteries - X possibility diagram Basic dragoam (Bag) battery For the conclusion just see the diagram & answer For conclusion of Some bags are not battery we should read like, some one is claiming some bags are definitely not batteries, so we should defend him by proving All bags are batteries, if we can prove then that conclusion is falec. this can be done with possibility diagram. Note: 1) After drawing possibility dragram we Should check such that it is not violating the statements given. 2) only for re conclusion, possibility

diagram is drawn.