



# **SNS COLLEGE OF TECHNOLOGY**

## **An Autonomous Institution**

### **Coimbatore-35**



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

03/04/2023

SYLLOGISMS/E.RAMYA /ECE/SNSCT

1

### **UNIT 3 – VERBAL REASONING III**

**TOPIC – SYLLOGISMS**

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# SYLLOGISMS



## Example 1:

### Statements:

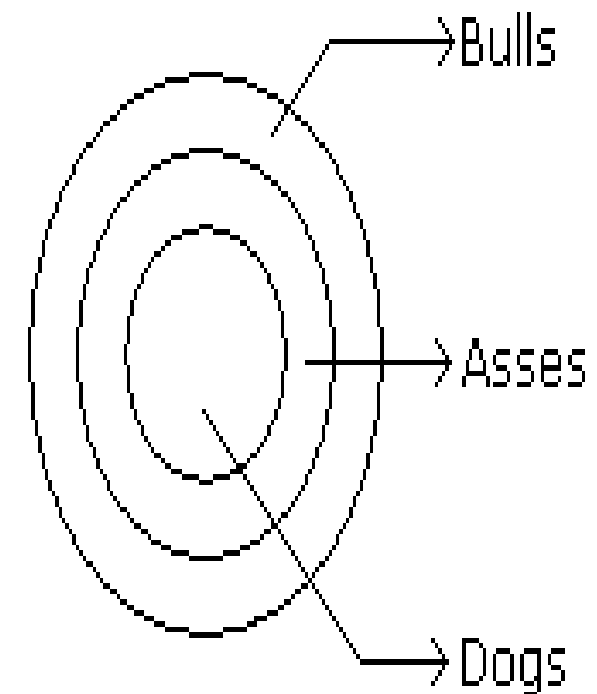
1. All dogs are asses.
2. All asses are bulls.

### Conclusions:

1. Some dogs are not bulls.
2. Some bulls are dogs.
3. All bulls are dogs.
4. All dogs are bulls.

### Solution:

On the basis of both statements, the following one diagram is possible.



From the diagram it is clear that (2) and (4) conclusions logically follow.



# SYLLOGISMS



## Example 2:

### Statements:

1. Some dogs are asses.
2. Some asses are bulls.

### Conclusions:

1. Some asses are not dogs.
2. Some dogs are bulls.

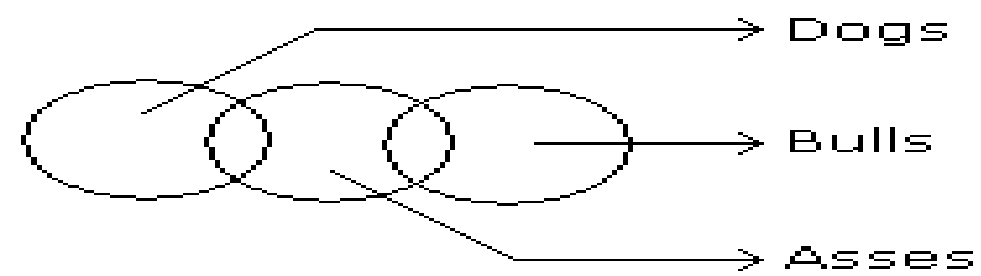


# SYLLOGISMS

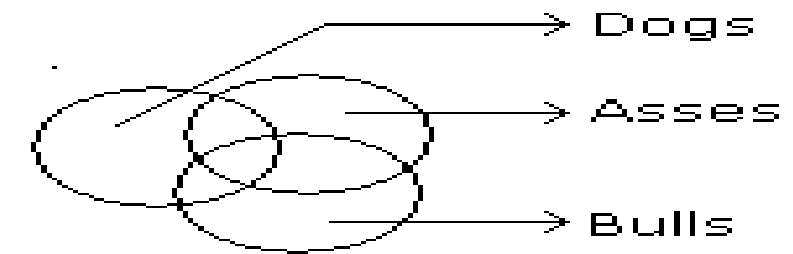


**Solution:**

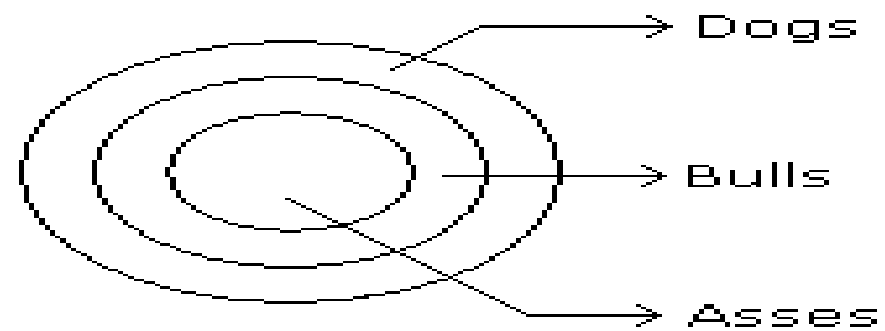
From these given statements the following diagrams are possible:



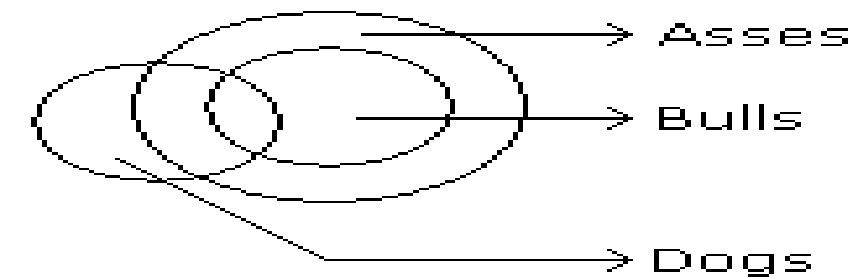
(1)



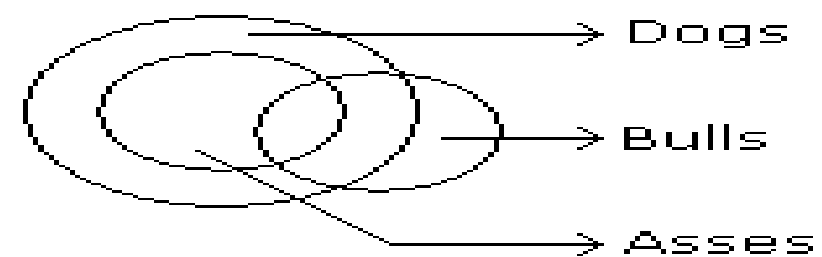
(2)



(3)



(4)



(5)

From the diagram neither (1) nor (2) conclusions follow.



# SYLLOGISMS



**Statements:** Some actors are singers. All the singers are dancers.

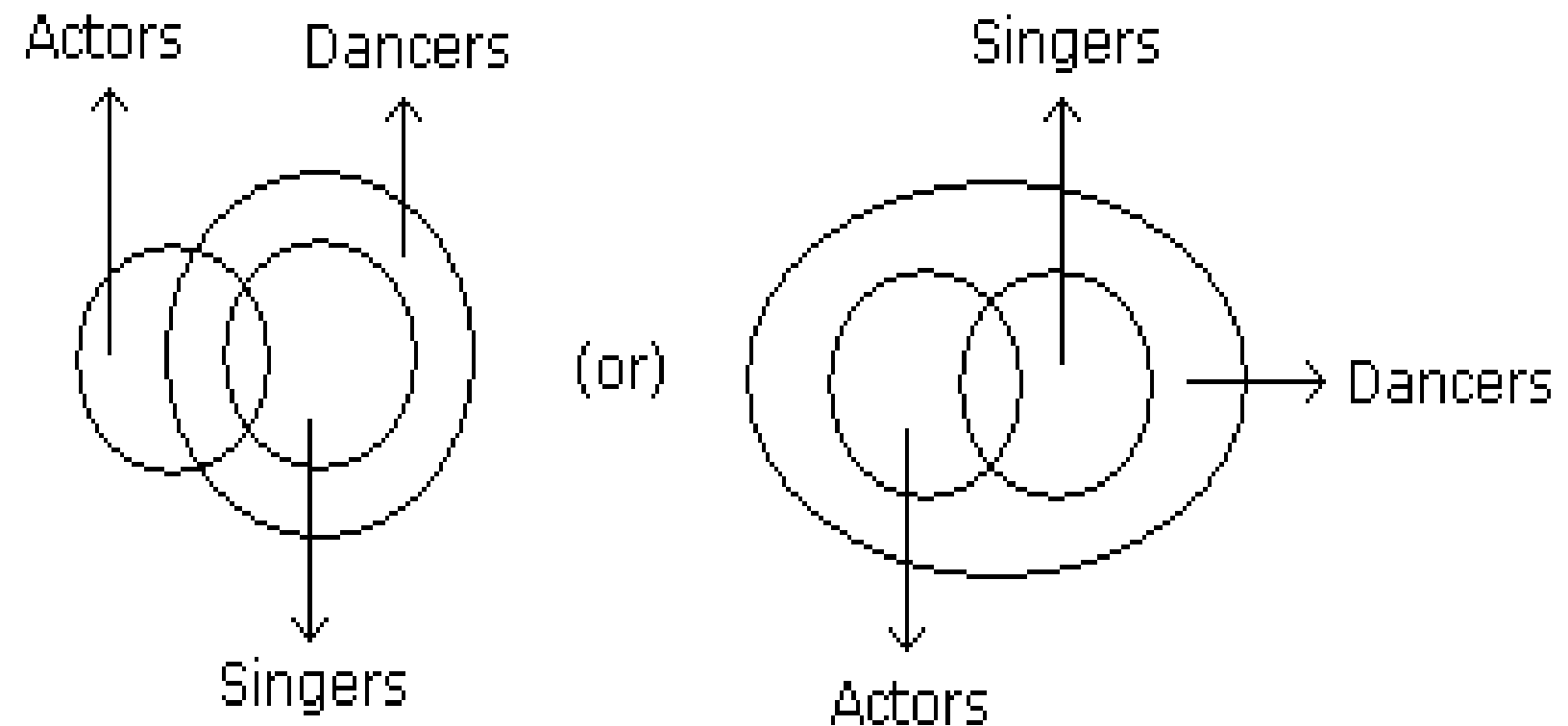
**Conclusions:**

1. Some actors are dancers.

2. No singer is actor.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Explanation:**



Only (1) follows.

**Answer:** Option A



# SYLLOGISMS



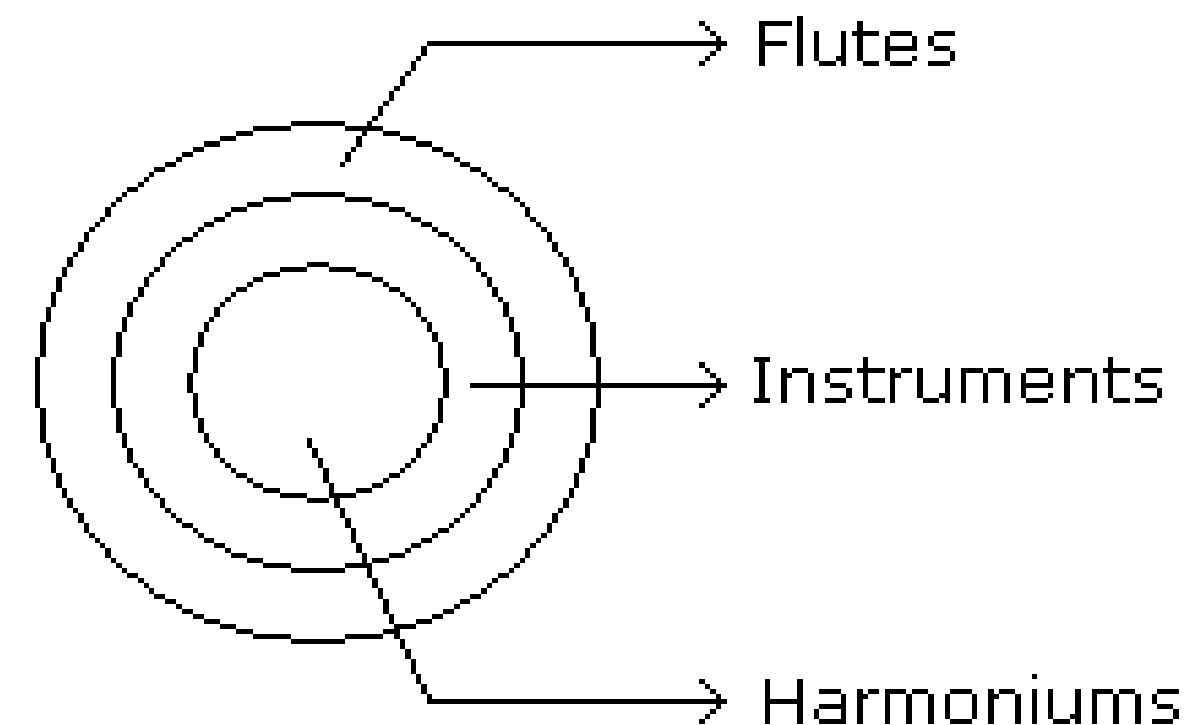
**Statements:** All the harmoniums are instruments. All the instruments are flutes.

**Conclusions:**

1. All the flutes are instruments.
2. All the harmoniums are flutes.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Explanation:**



Only (2) follows.

**Answer:** Option **B**



# SYLLOGISMS



**Statements:** Some mangoes are yellow. Some tixo are mangoes.

**Conclusions:**

1. Some mangoes are green.
2. Tixo is a yellow.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

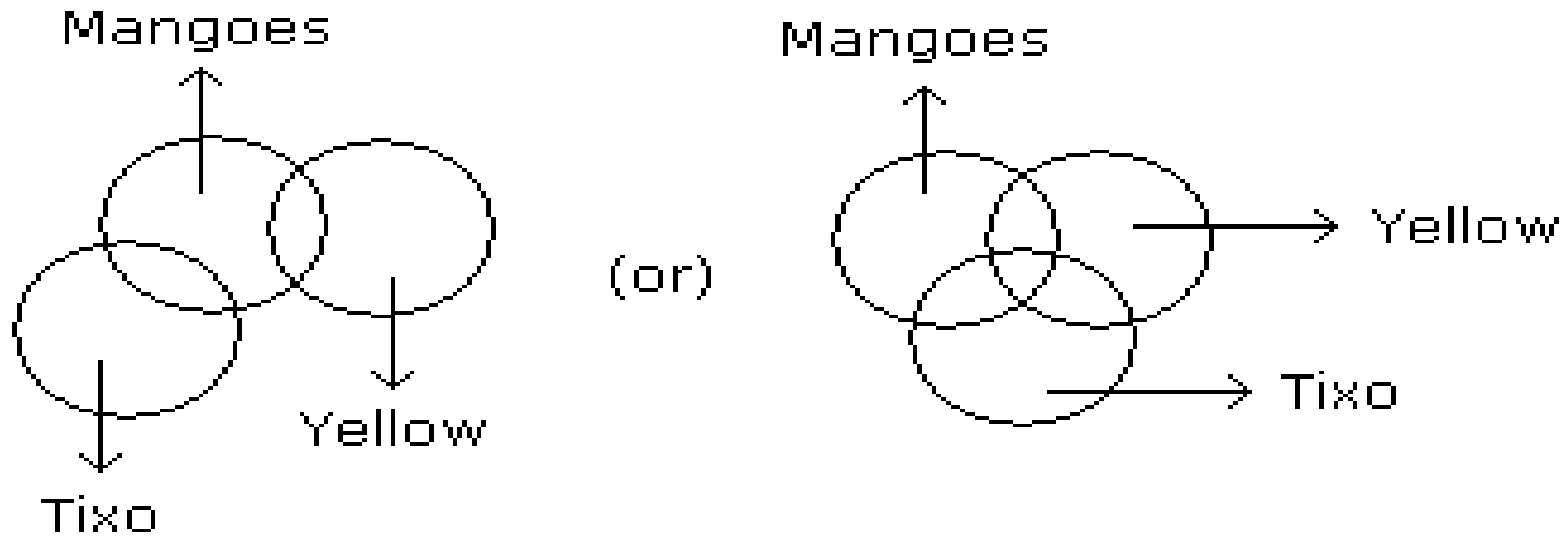
**Answer:** Option **D**



# SYLLOGISMS



## Explanation:



None of the two follows.





# SYLLOGISMS



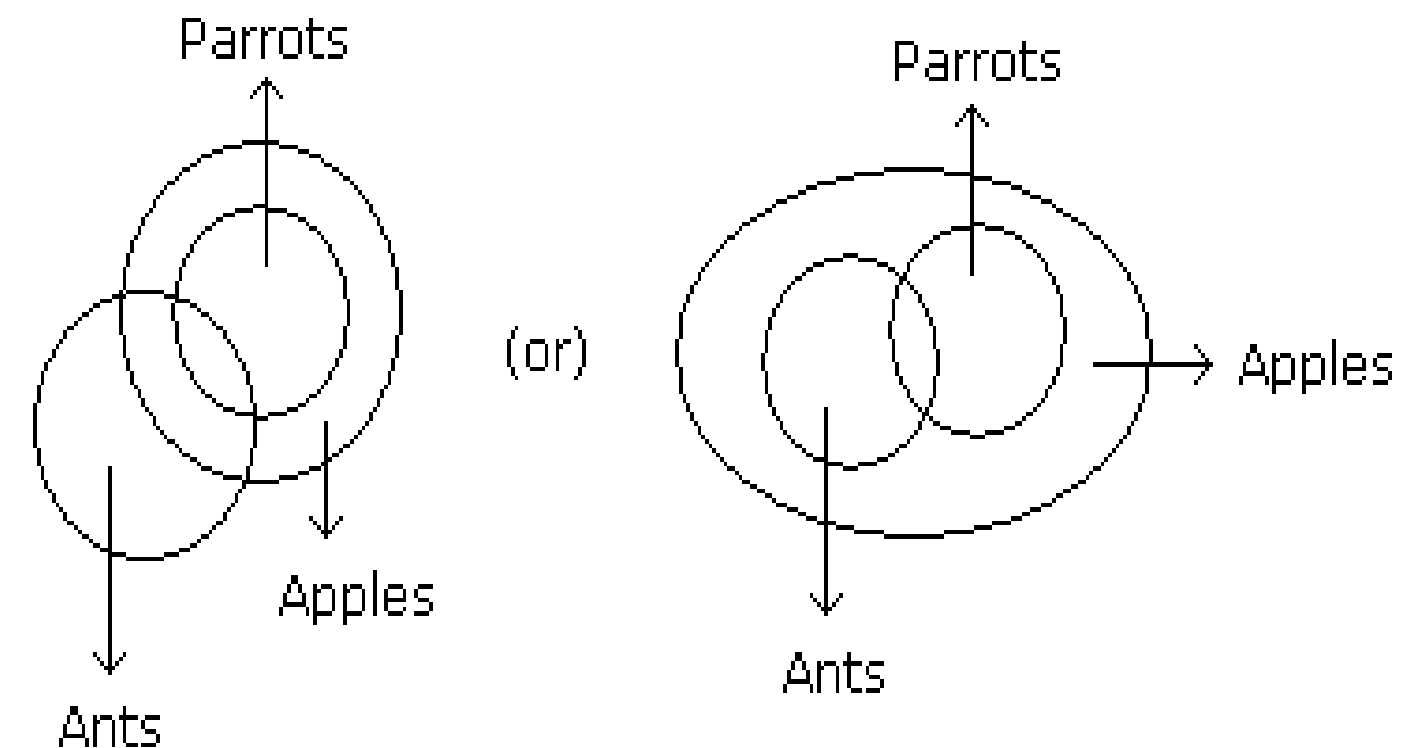
**Statements:** Some ants are parrots. All the parrots are apples.

**Conclusions:**

1. All the apples are parrots.
2. Some ants are apples.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Explanation:**



Only (2) follow.

**Answer:** Option **B**



# SYLLOGISMS



**Statements:** Some papers are pens. All the pencils are pens.

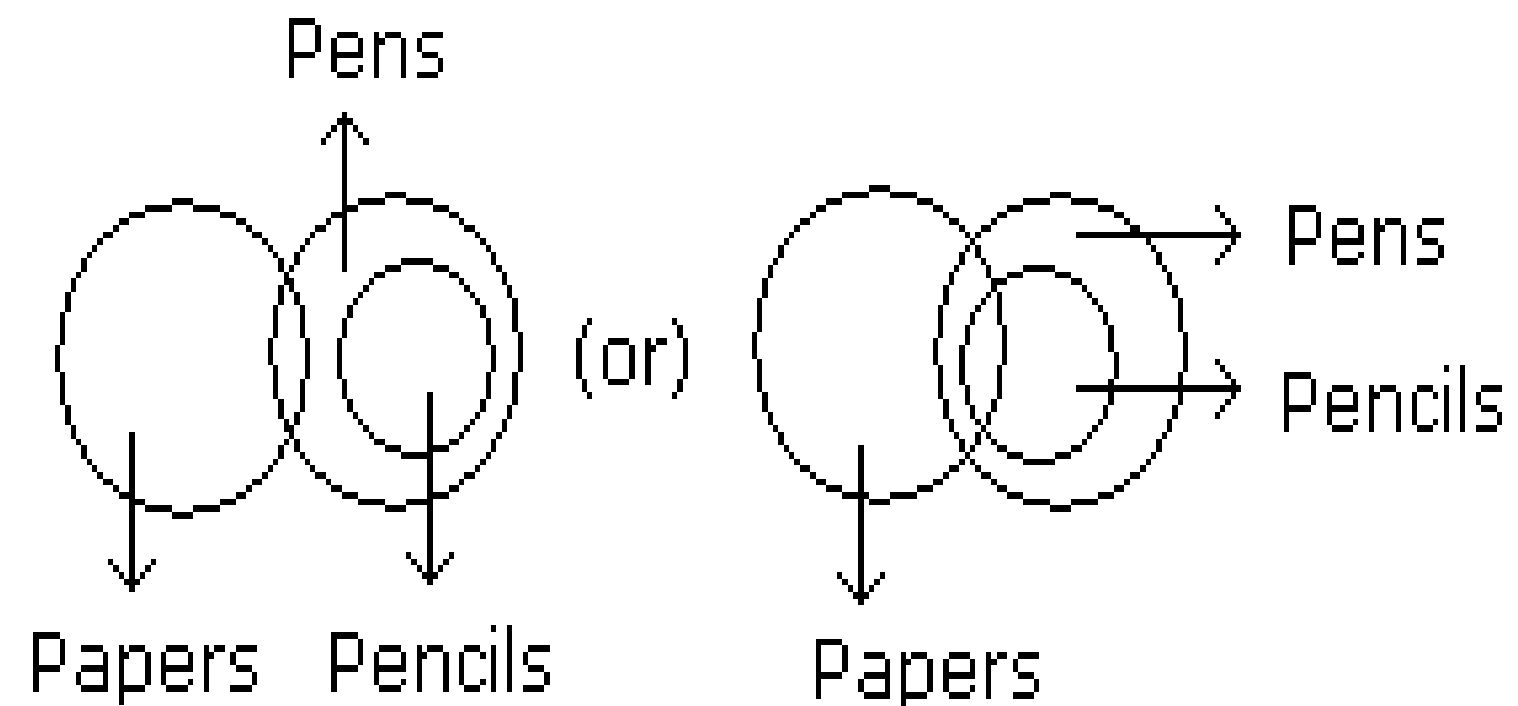
**Conclusions:**

1. Some pens are pencils.
2. Some pens are papers.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Answer:** Option **E**

**Explanation:**



Both (1) and (2) follow.



# SYLLOGISMS



**Statements:** All the actors are girls. All the girls are beautiful.

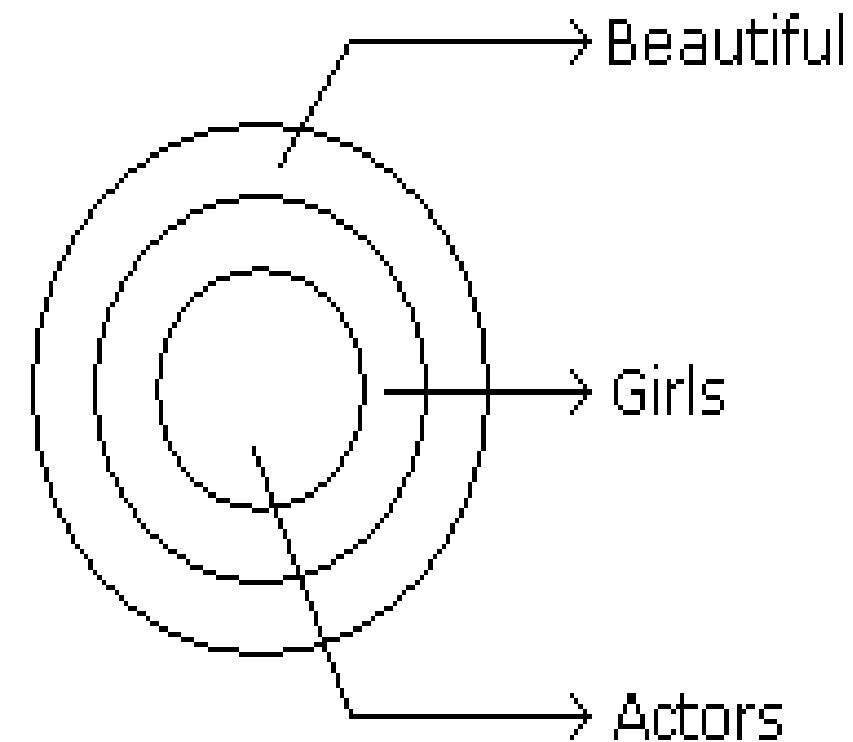
**Conclusions:**

1. All the actors are beautiful.
2. Some girls are actors.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Answer:** Option **E**

**Explanation:**



Both (1) and (2) follows.



# SYLLOGISMS



**Statements:** All the windows are doors. No door is a wall.

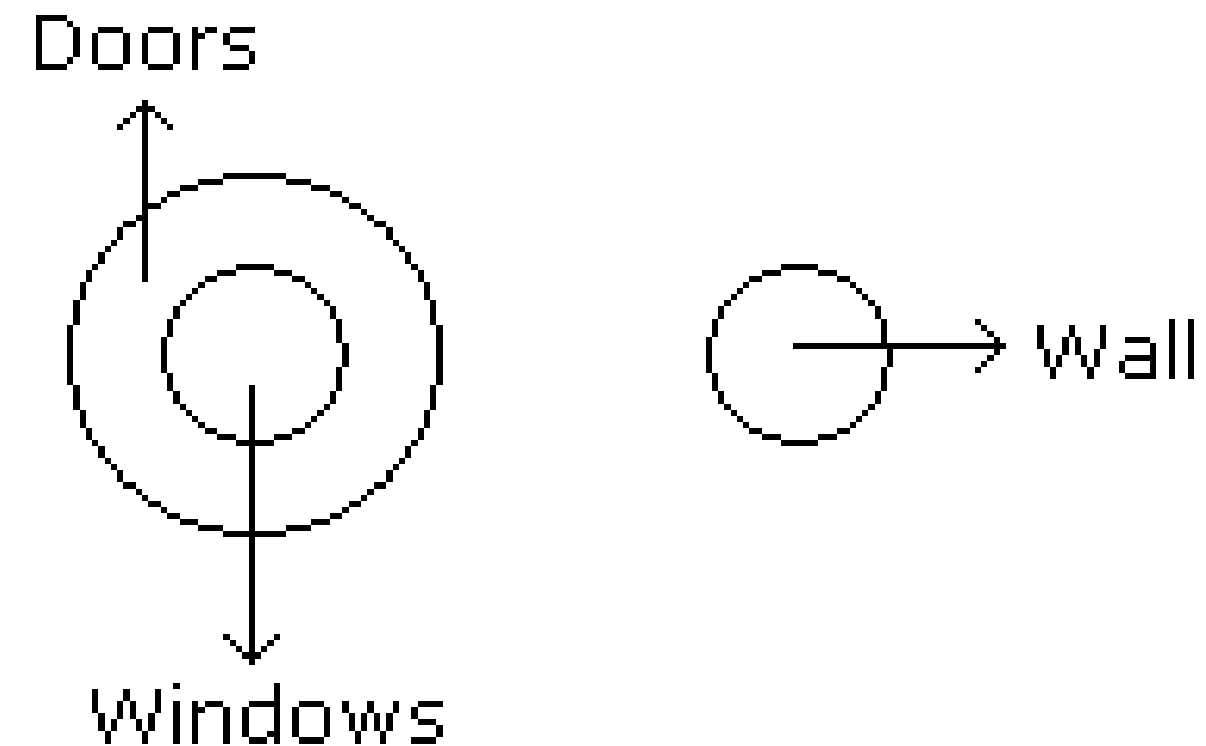
**Conclusions:**

1. Some windows are walls.
2. No wall is a door.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Answer:** Option **B**

**Explanation:**



Only (2) follows.



# SYLLOGISMS



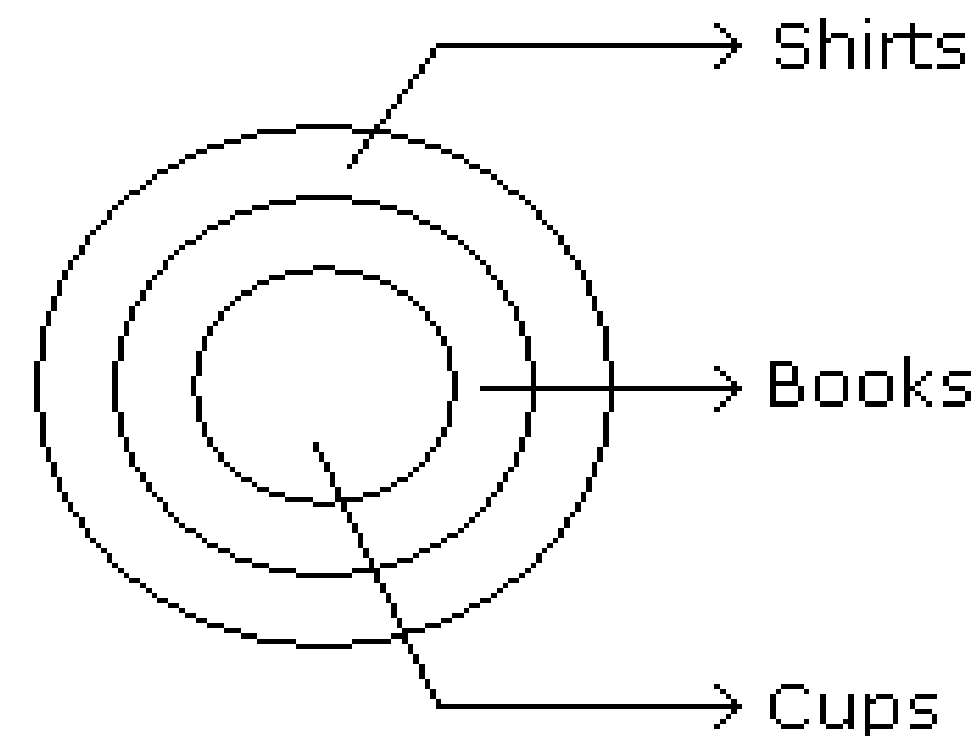
**Statements:** All cups are books. All books are shirts.

**Conclusions:**

1. Some cups are not shirts.
  2. Some shirts are cups.
- A.** Only (1) conclusion follows  
**B.** Only (2) conclusion follows  
**C.** Either (1) or (2) follows  
**D.** Neither (1) nor (2) follows  
**E.** Both (1) and (2) follow

**Answer:** Option **B**

**Explanation:**



Only (2) follows.



# SYLLOGISMS



**Statements:** All the pencils are pens. All the pens are inks.

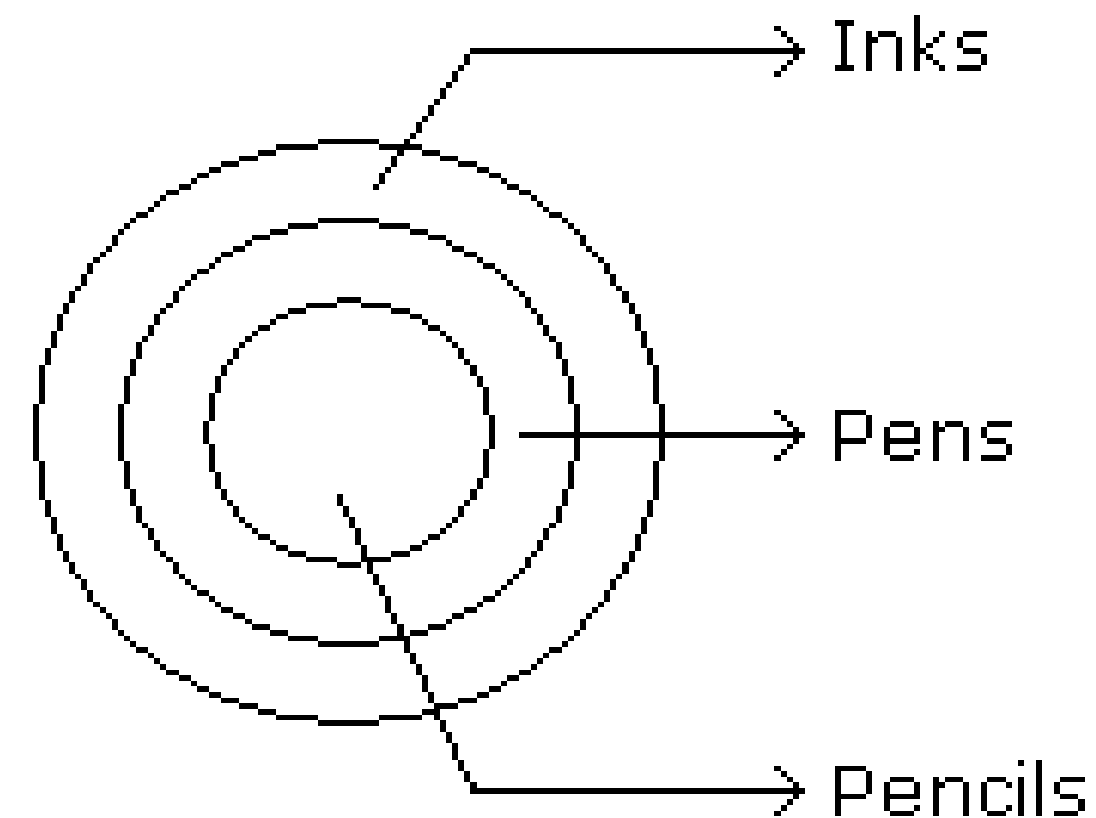
**Conclusions:**

1. All the pencils are inks.
2. Some inks are pencils.

- A.** Only (1) conclusion follows
- B.** Only (2) conclusion follows
- C.** Either (1) or (2) follows
- D.** Neither (1) nor (2) follows
- E.** Both (1) and (2) follow

**Answer:** Option **E**

**Explanation:**



Both (1) and (2) follow.



# SYLLOGISMS



**Statements:** Some dogs are bats. Some bats are cats.

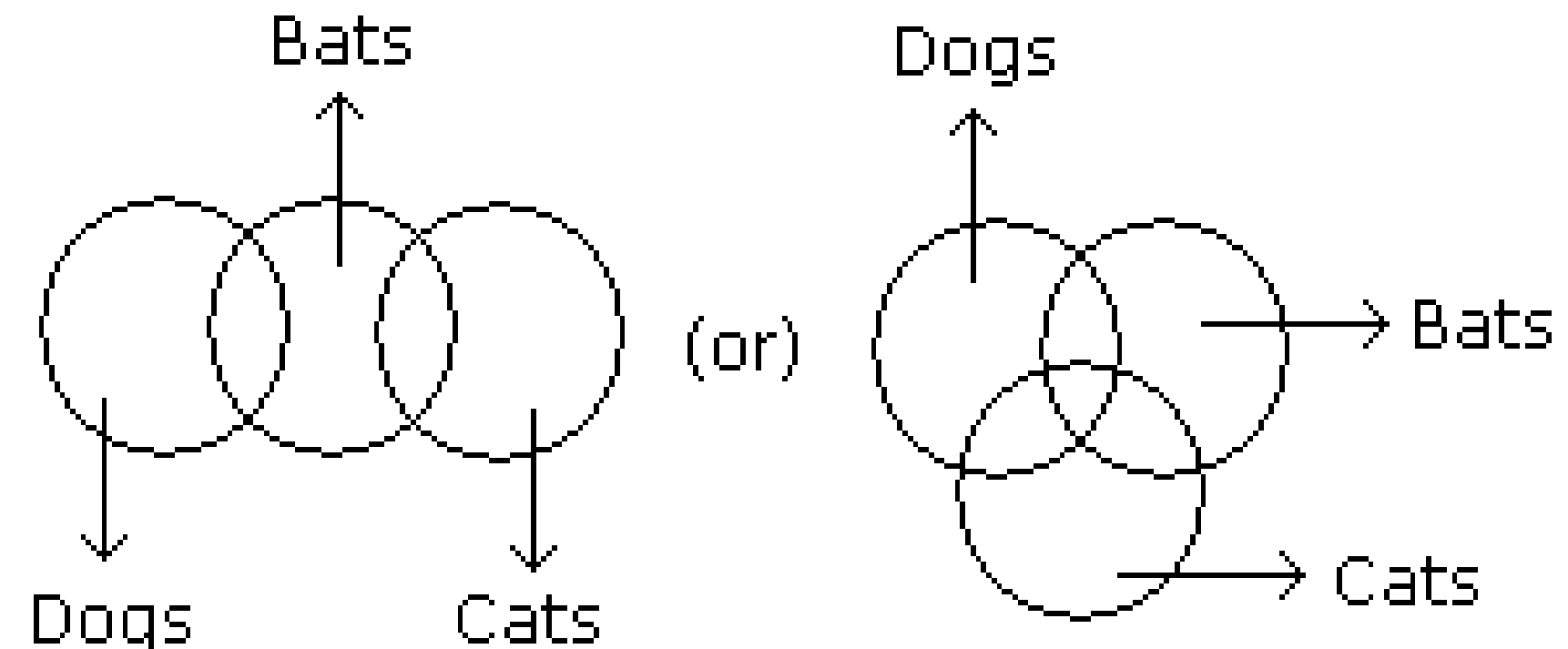
**Conclusions:**

1. Some dogs are cats.
2. Some cats are dogs.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Answer:** Option D

**Explanation:**



None of the two follows.



# SYLLOGISMS



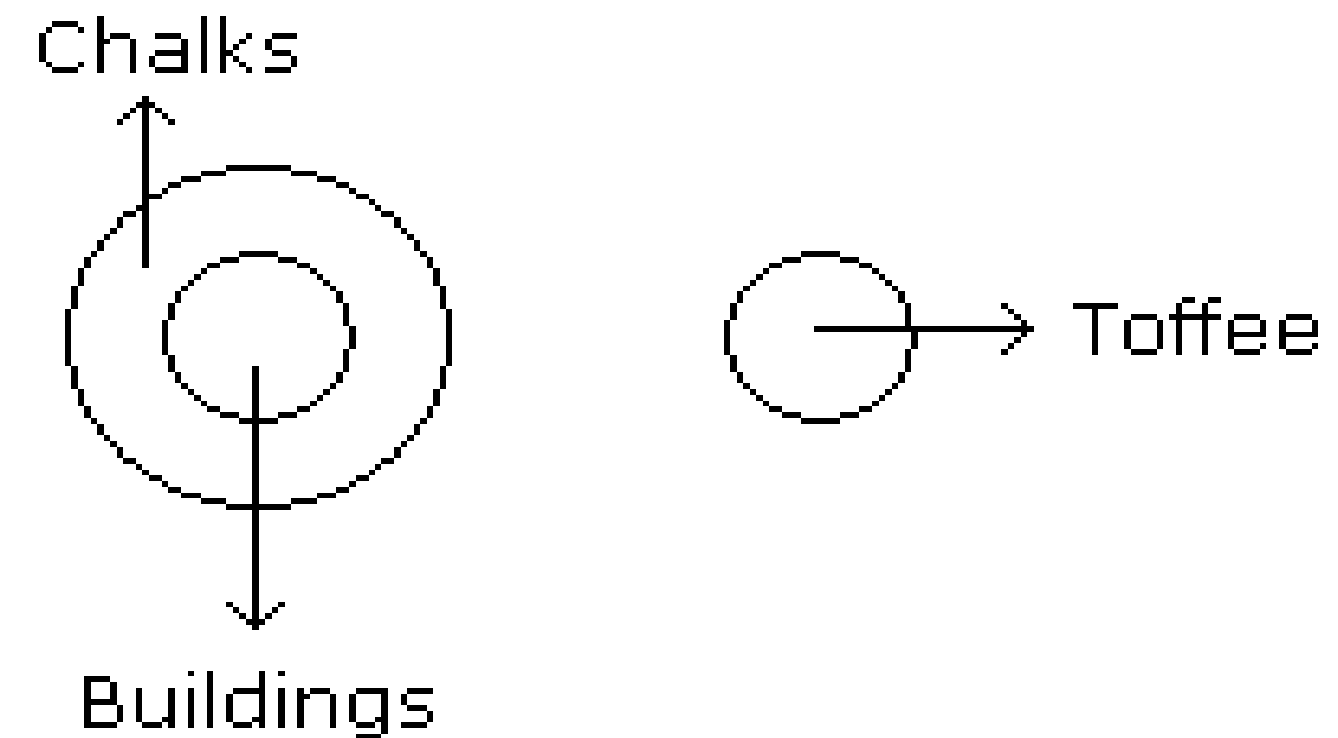
**Statements:** All buildings are chalks. No chalk is toffee.

**Conclusions:**

1. No building is toffee
2. All chalks are buildings.

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows
- E. Both (1) and (2) follow

**Explanation:**



Only (1) follows.

**Answer:** Option A





# SYLLOGISMS



**Statements:** All the trucks are flies. Some scooters are flies.

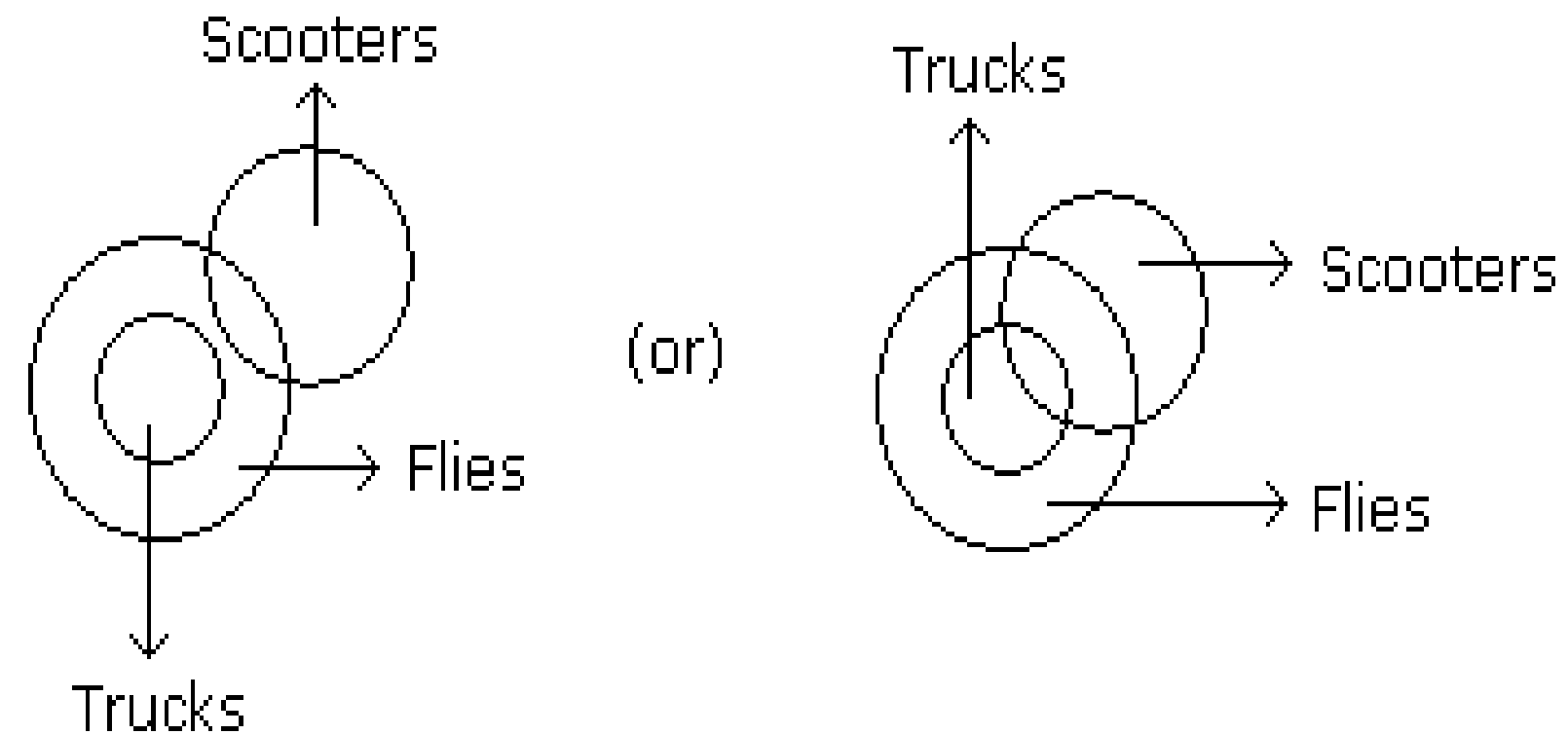
**Conclusions:**

1. All the trucks are scooters.
2. Some scooters are trucks.

- A.** Only (1) conclusion follows
- B.** Only (2) conclusion follows
- C.** Either (1) or (2) follows
- D.** Neither (1) nor (2) follows
- E.** Both (1) and (2) follow

**Answer:** Option **D**

**Explanation:**



Neither (1) nor (2) follows.



# THANK YOU