



SNS COLLEGE OF TECHNOLOGY
An Autonomous Institution
Coimbatore-35



DEPARTMENT OF BIOMEDICAL ENGINEERING

19GET276 – VQAR II

II YEAR/ IV SEMESTER

UNIT 3 – VERBAL REASONING II

TOPIC – SYLLOGISMS



SYLLOGISMS



Example 1:

Statements:

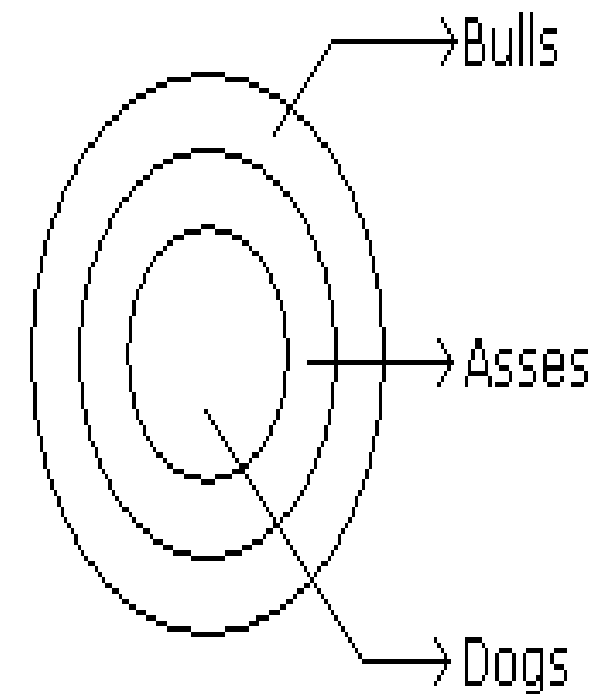
1. All dogs are asses.
2. All asses are bulls.

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.

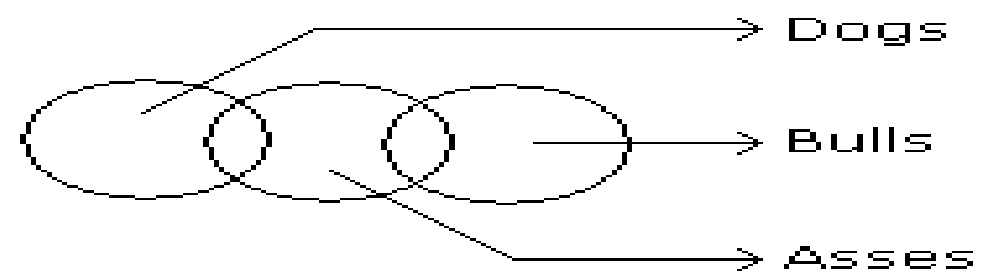


SYLLOGISMS

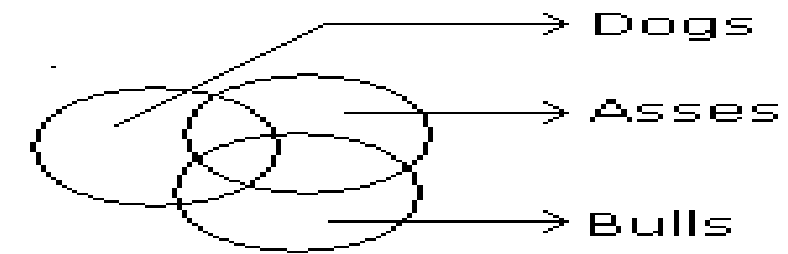


Solution:

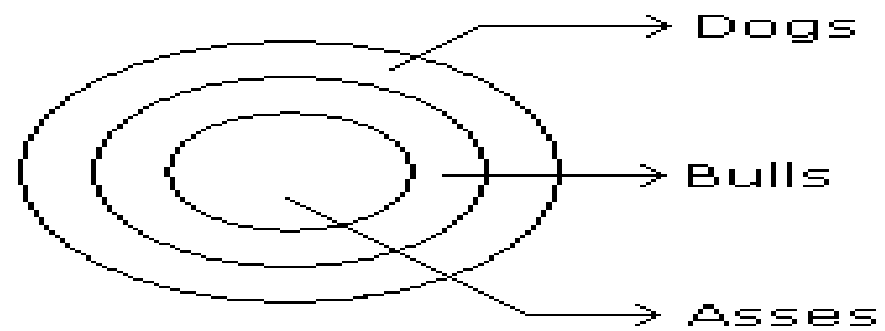
From these given statements the following diagrams are possible:



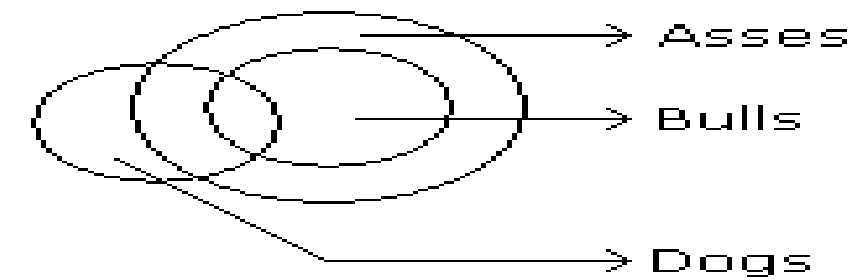
(1)



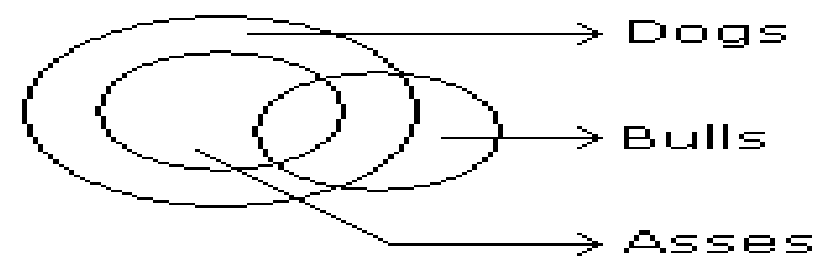
(2)



(3)



(4)



(5)

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



SYLLOGISMS



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

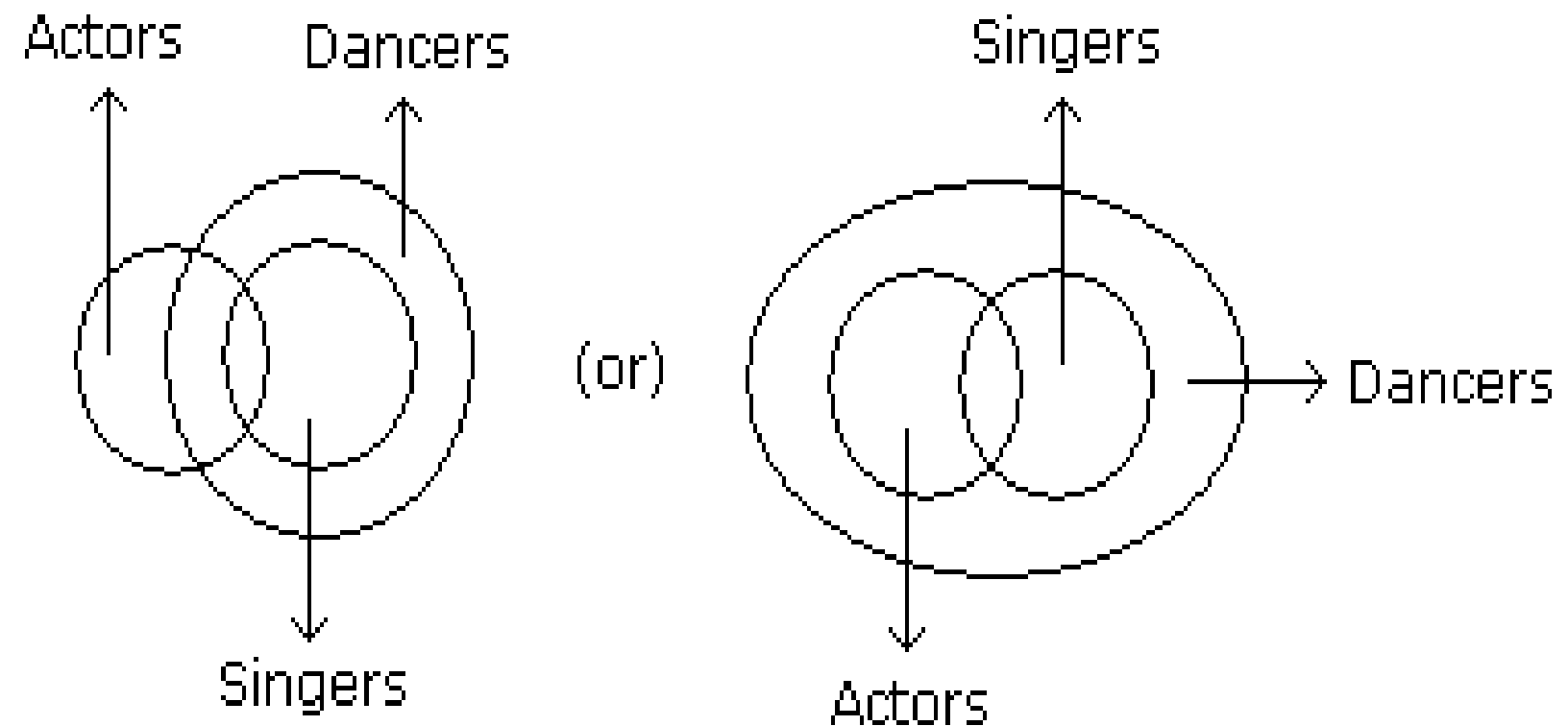
Conclusions:

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



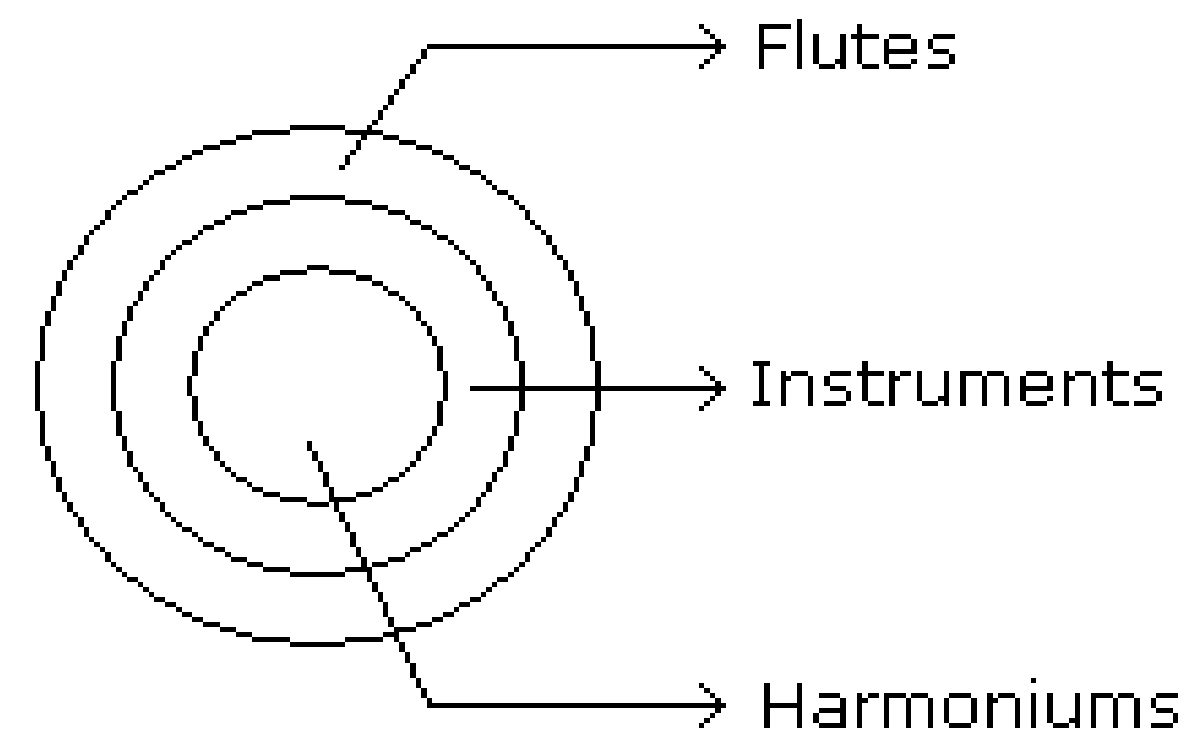
Statements: All the harmoniums are instruments. All the instruments are flutes.

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

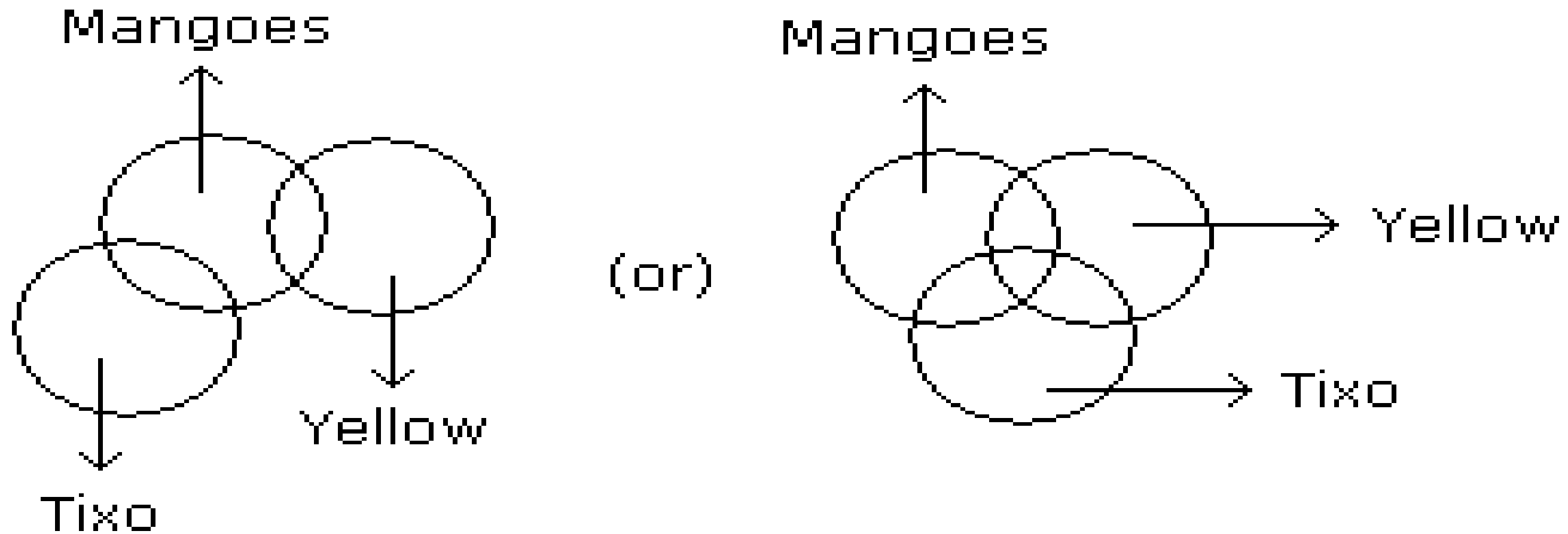
Answer: Option **D**



SYLLOGISMS



Explanation:



None of the two follows.



SYLLOGISMS



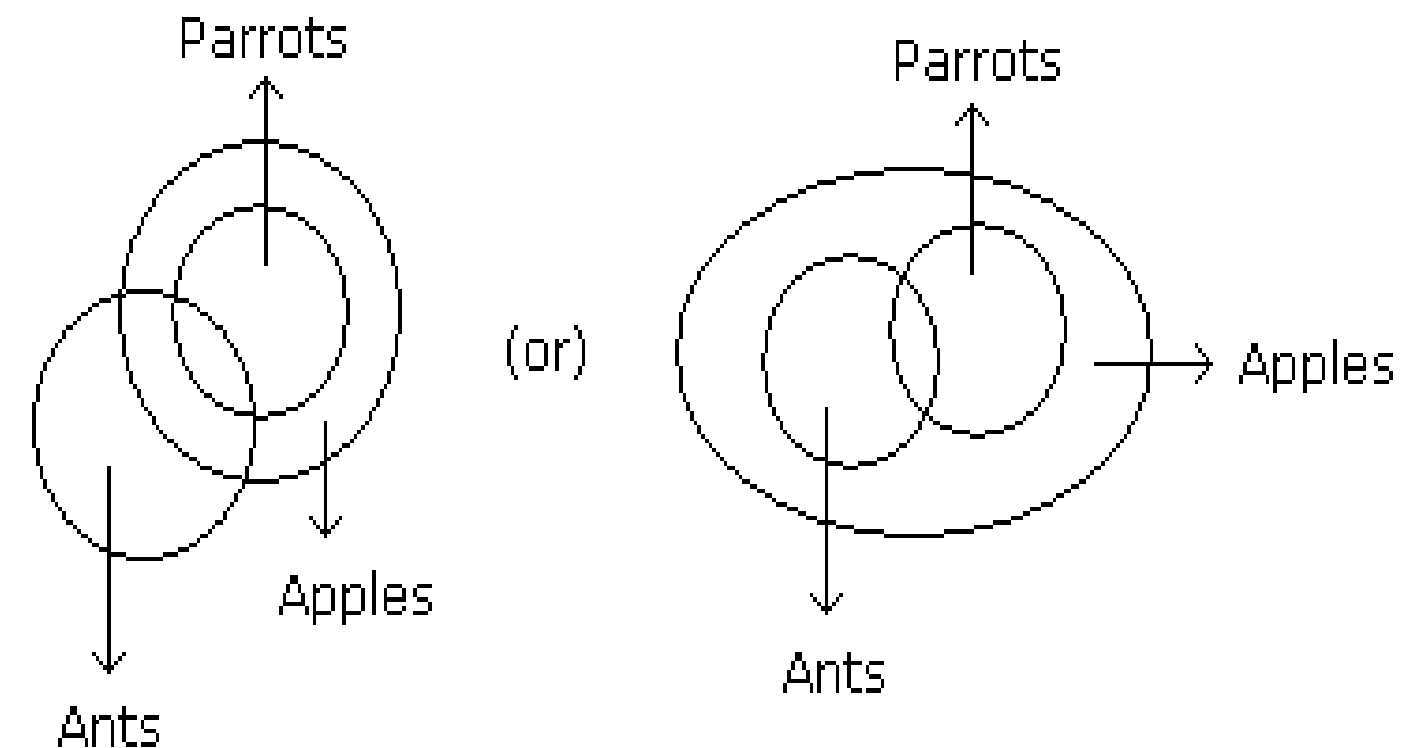
Statements: Some ants are parrots. All the parrots are apples.

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.

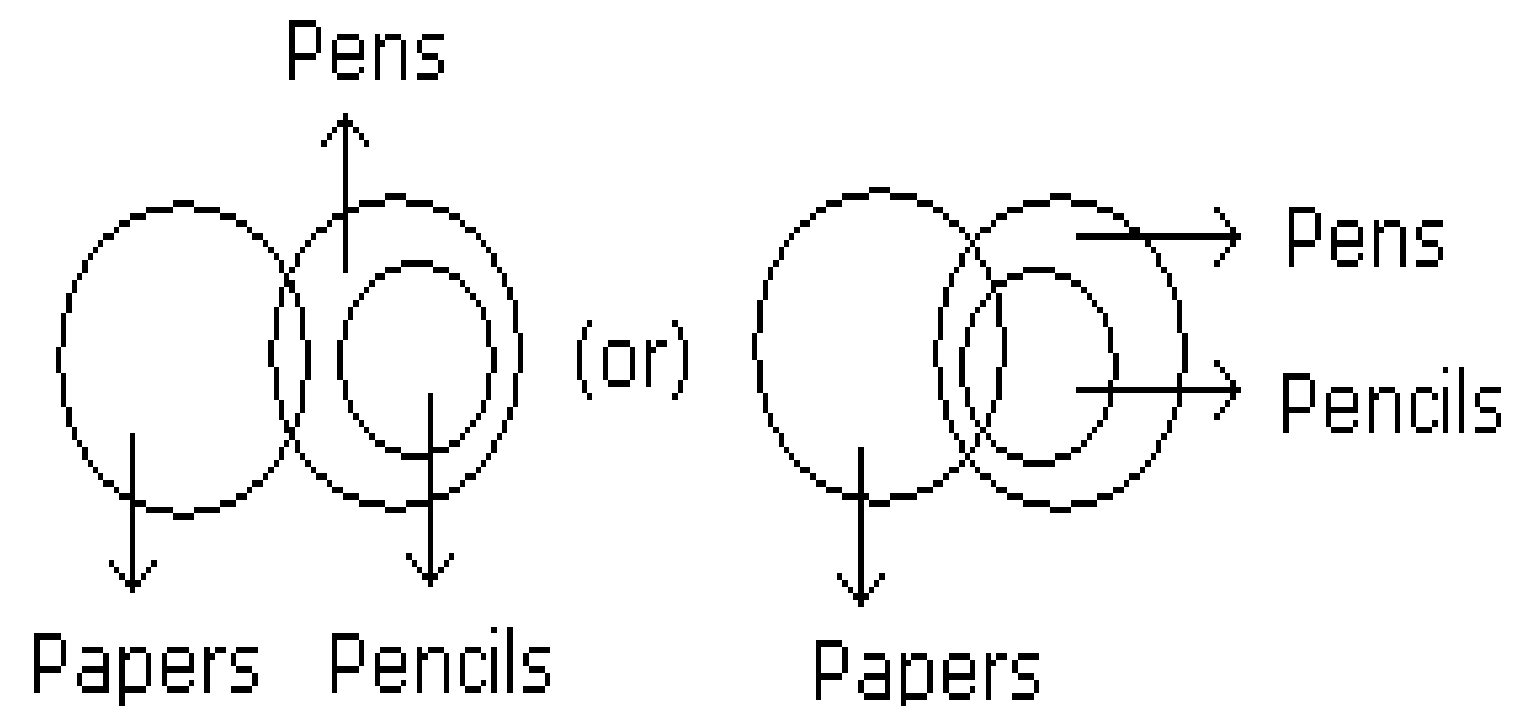
Conclusions:

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.

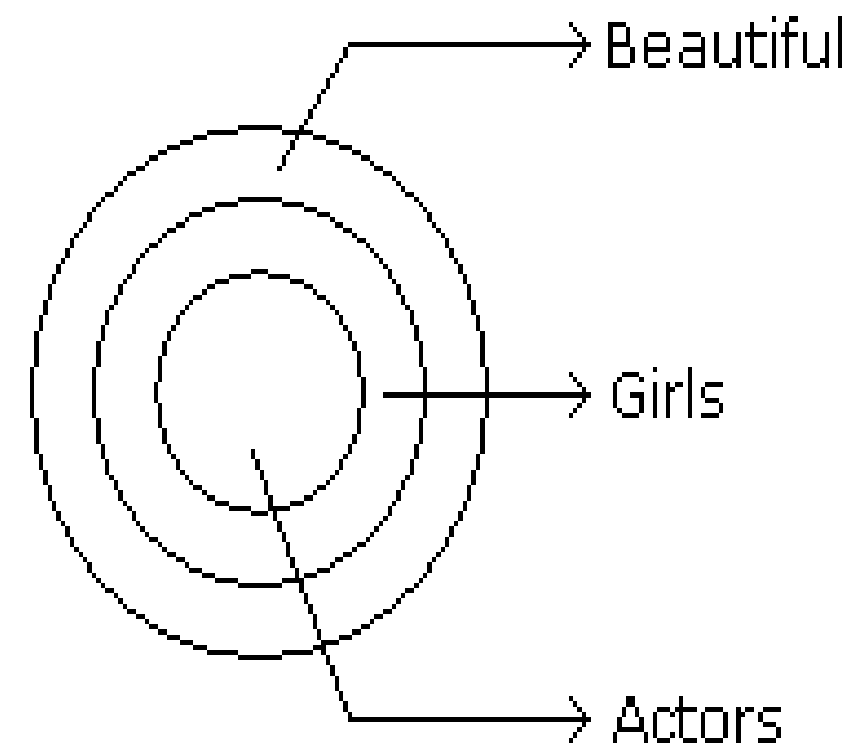
Conclusions:

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.

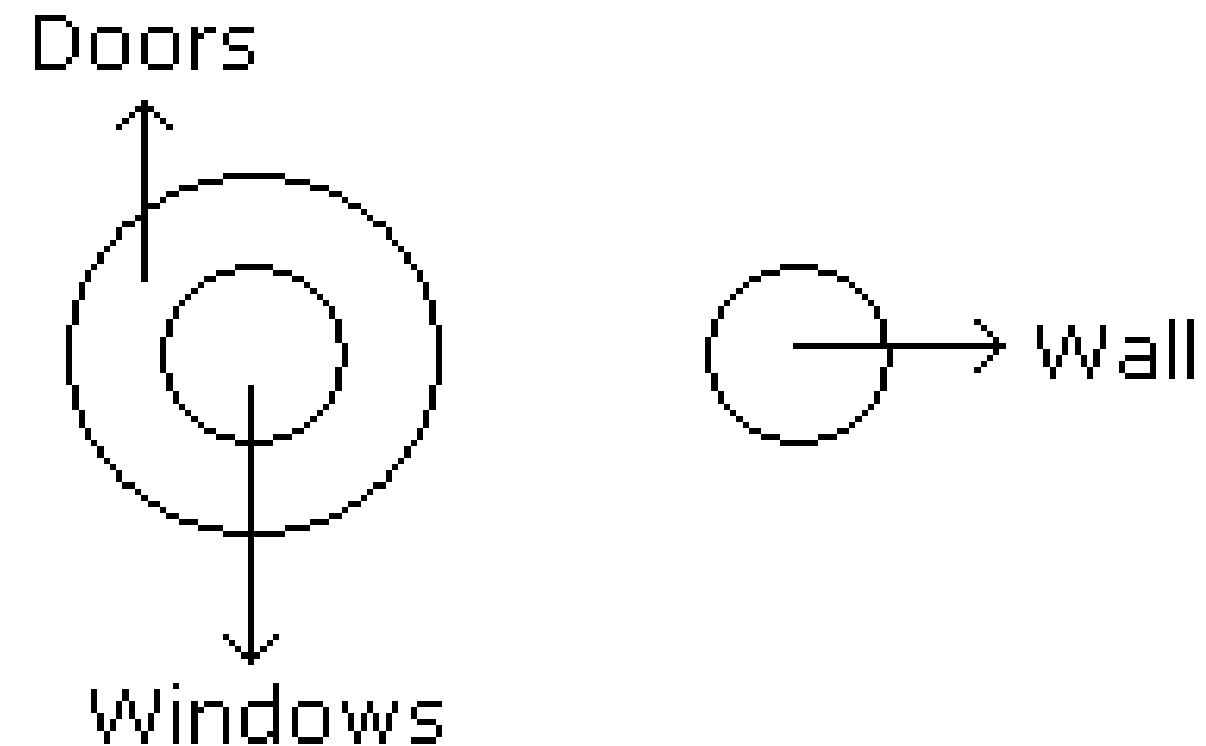
Conclusions:

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.

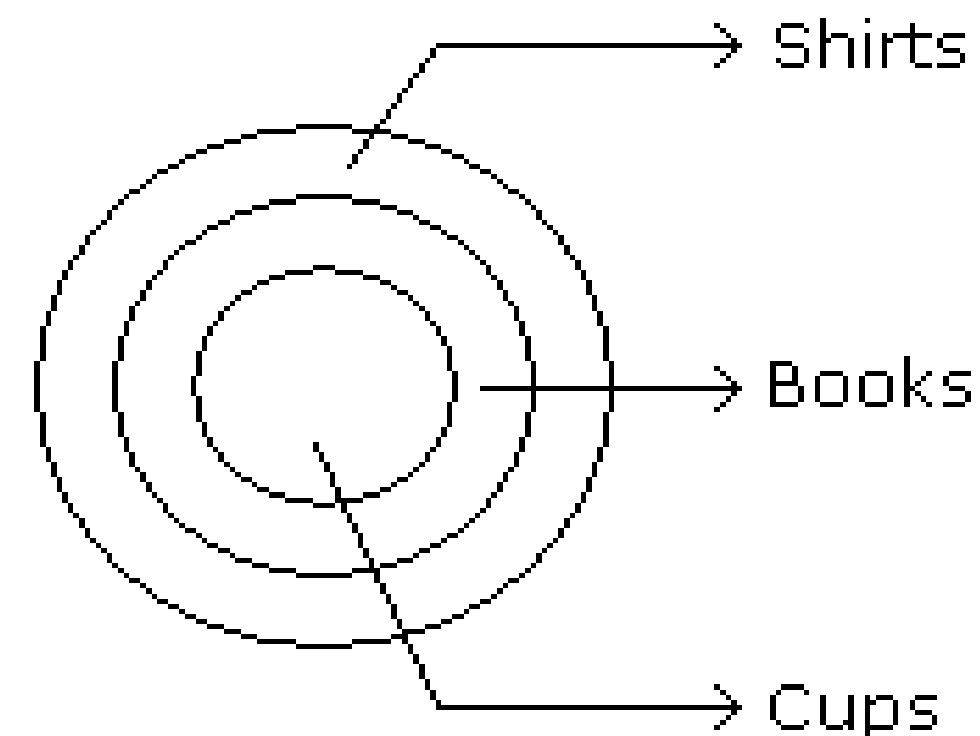
Conclusions:

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.

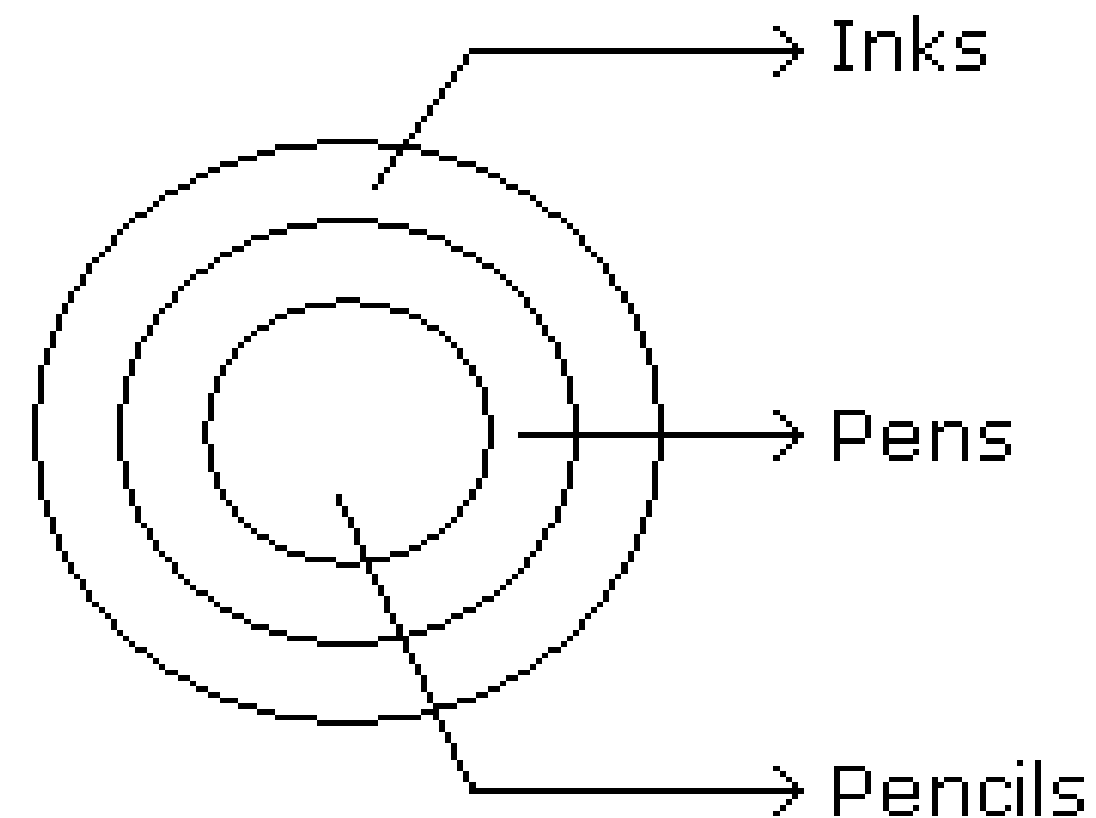
Conclusions:

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.

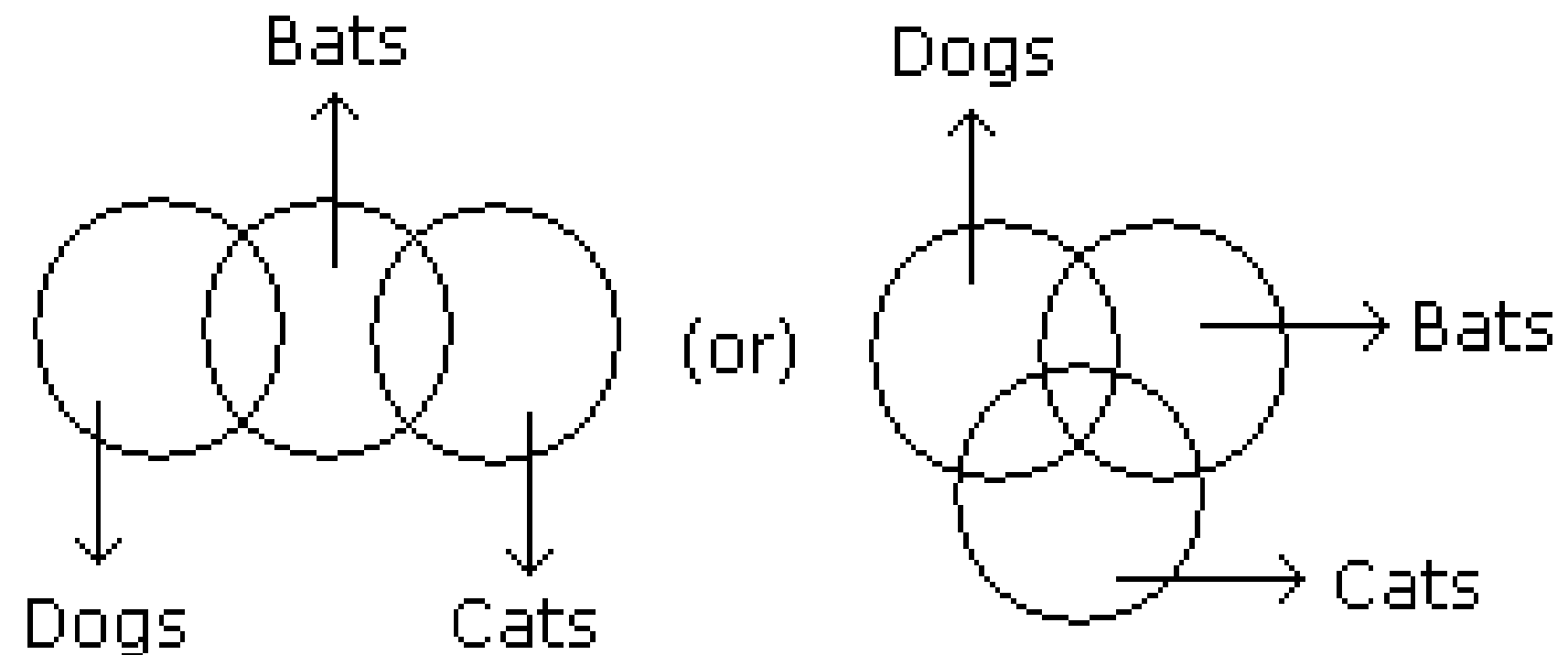
Conclusions:

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



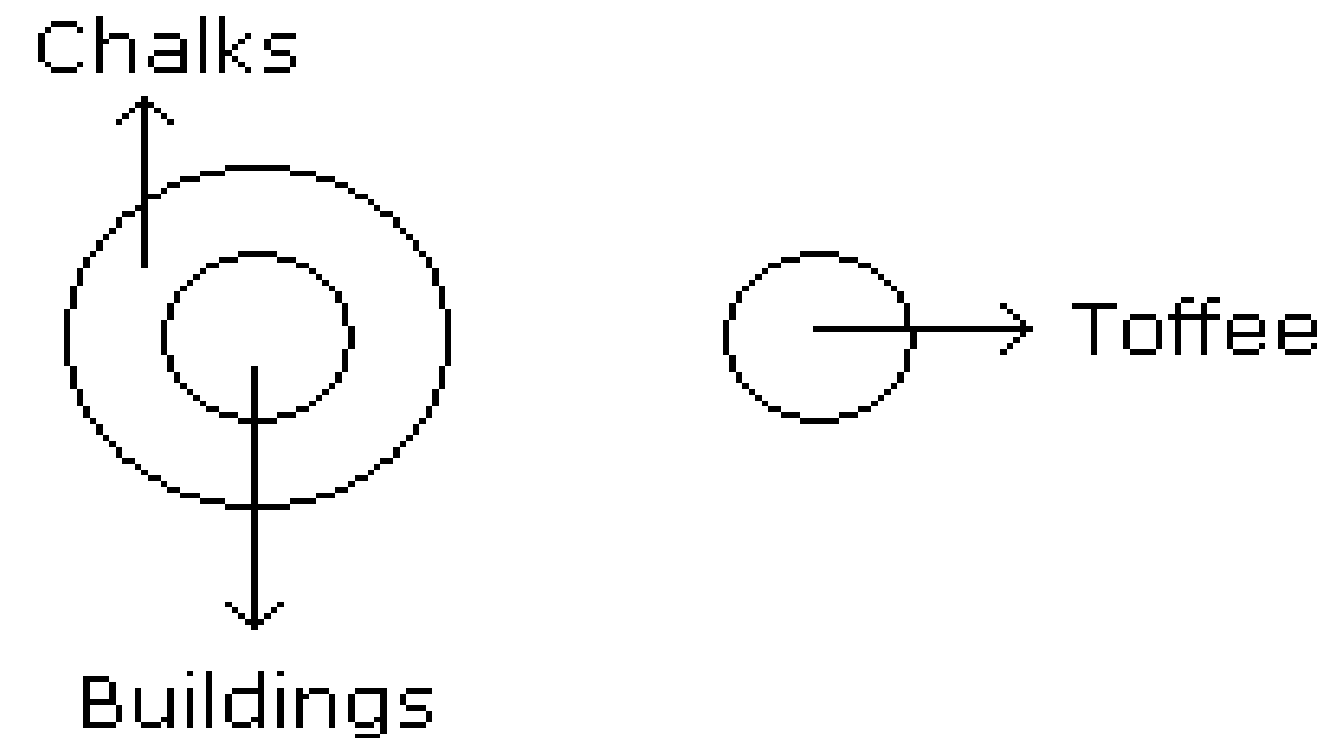
Statements: All buildings are chalks. No chalk is toffee.

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.

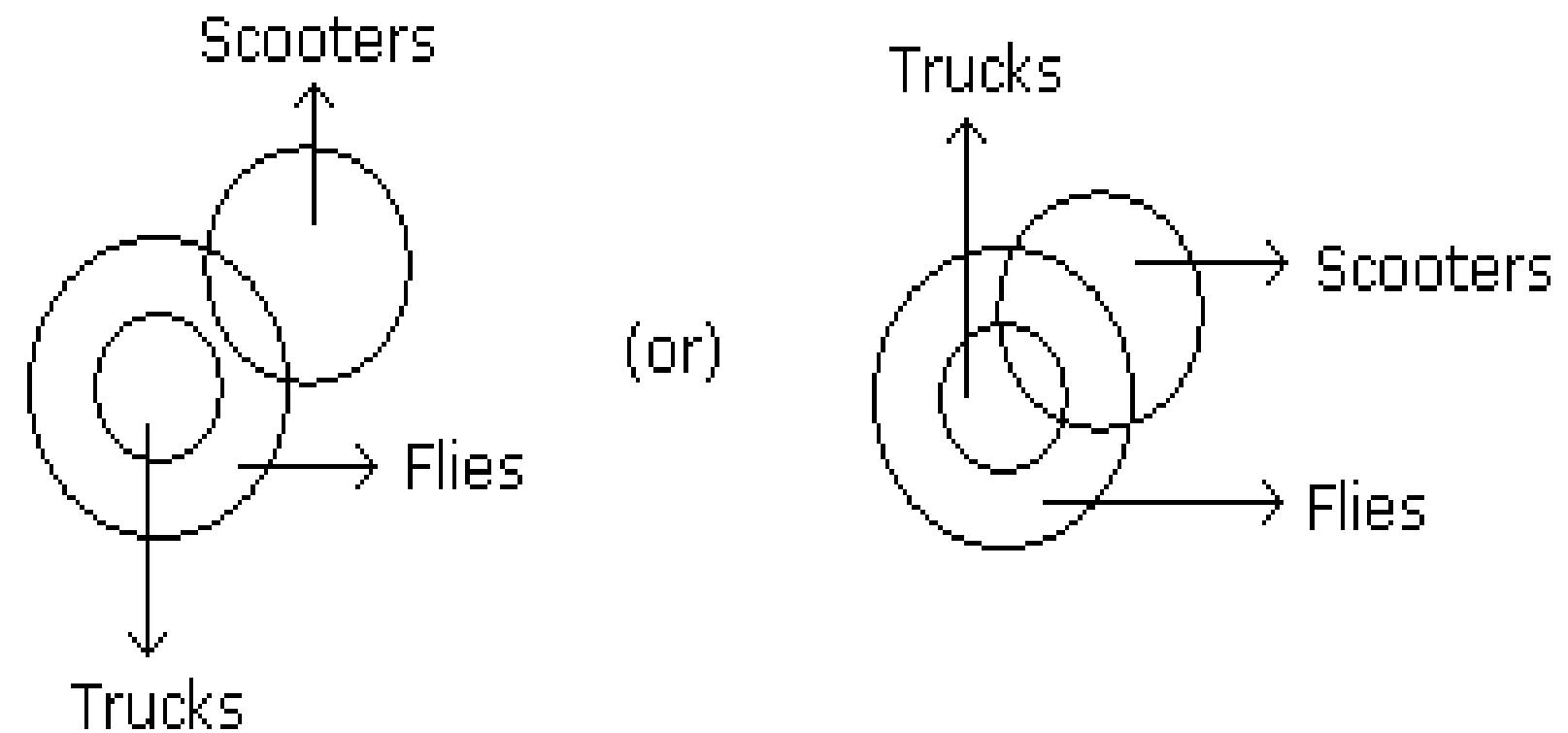
Conclusions:

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