

# Coding-Decoding

H.W. Question  
Discussion.

Q<sup>n</sup> (10)

PAINT → 83527

SCORE → 49061

RECENT → ?

↓ ↓ ↓  
6 1 9

(P A I N T)  
8 3 5 2 7

SCORE  
49061

Q<sup>n</sup> (11)

ACE  $\rightarrow$  35

AGED  $\rightarrow$  91  
( $1^2 + 7^2 + 5^2 + 4^2$ )

CARE  $\rightarrow$  ?  
 $\downarrow \downarrow \downarrow \downarrow$   
 $3^2 + 1^2 + 18^2 + 5^2 \Rightarrow$

A	C	E	
1	3	5	$\Rightarrow$ 35 X
(1) <sup>2</sup>	3 <sup>2</sup>	5 <sup>2</sup>	
$\downarrow$	$\downarrow$	$\downarrow$	
1	9	25	$\Rightarrow$ 35 ✓

Q<sup>n</sup> (12)

AMBER → (27)

BROWN → (14)

GREEN → ?

Ans ⇒ [36]

1+2+3 ⇒ (6)<sup>2</sup>  
ABC ⇒ 36  
EFG ⇒ 324  
5+6+7  
OTP ⇒ ?  
15+20+19 ⇒ ( )<sup>2</sup> 18<sup>2</sup>

AMBER  
1+13+2+5+18 ⇒ (3×9)  
↓  
(27)

(39)  
3×9 ✓  
(27)  
6<sup>2</sup> ⇒ 36

Q<sup>n</sup> (13)

1 2 3 4 5 6  
JUNIOR → (6)

LABOURER → (8)

JOSEPHINE → ?

★

NO. of letters  
Pattern

Q<sup>n</sup> 18

PLATE →

45

BLEAK →

13

2+12+5+1+11

31

PASTE →

?

Ans = 16

PLATE

16+12+1+20+5

55  
45  
45

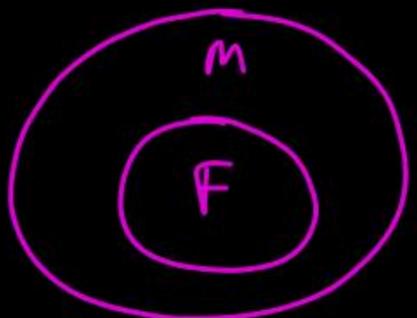
# Venn Diagram

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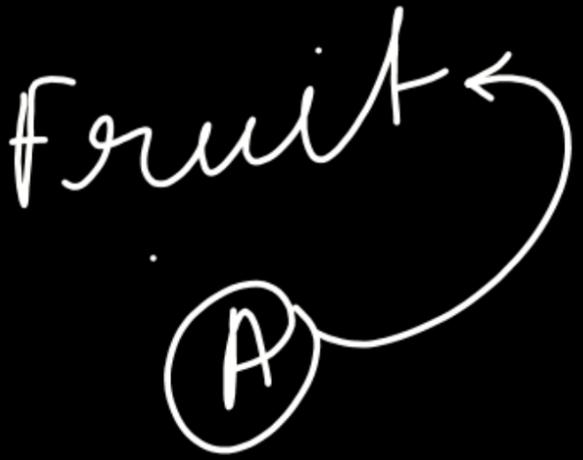
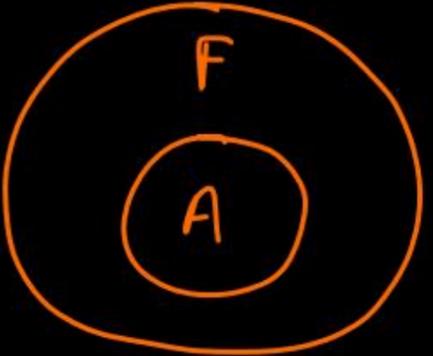
\* Relation b/w two words :- [ दो शब्दों के बीच सम्बन्ध ]

① All (सभी) Relation :-

(i) पिता, पुरुष  
(F) (M)



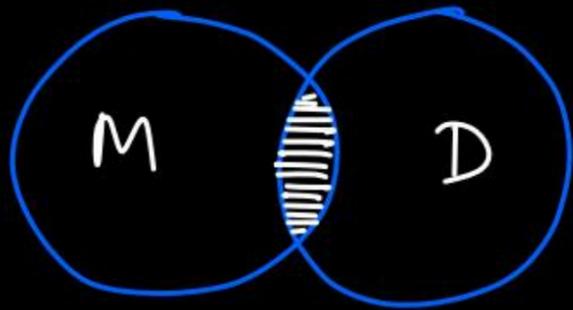
(ii) सेब, फल  
(A) (F)



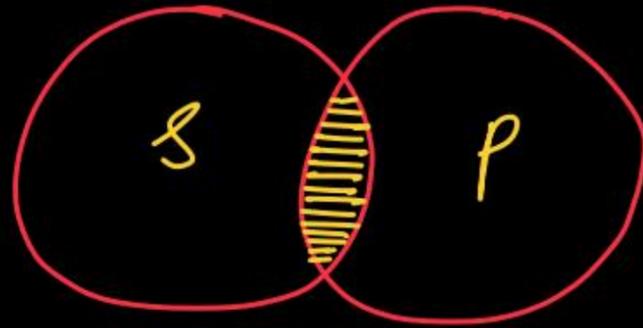
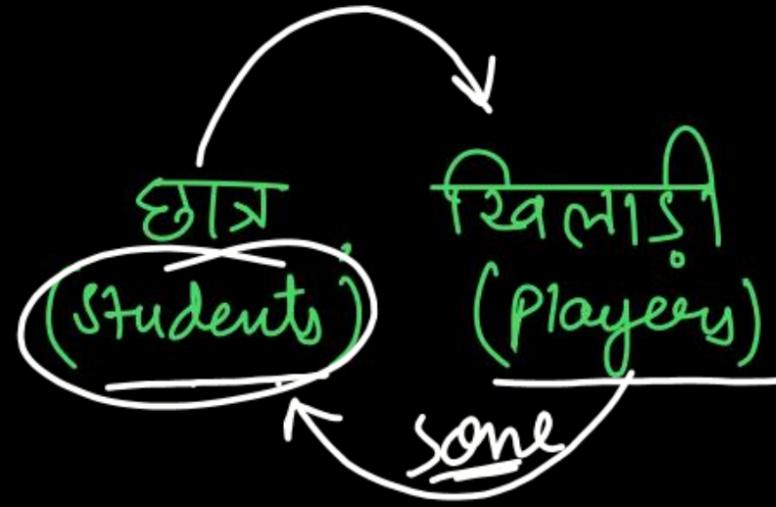
\* Relation b/w Two words :-

② Some (कुछ) Relation :-

(i) माता (M), डॉक्टर (D)



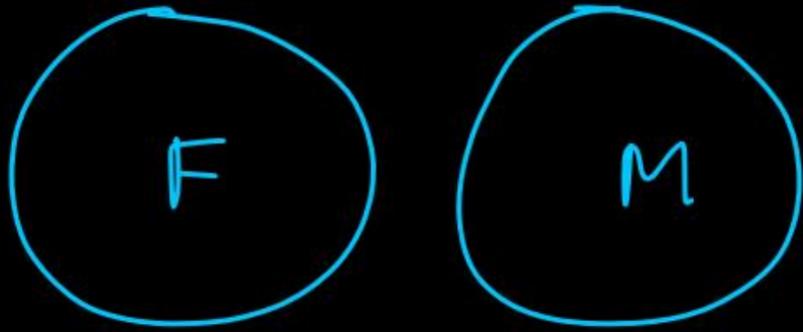
(ii)



\* Relation blw Two words :-

③ None (कोई नहीं) Relation :-

(i) पिता, माता  
F M



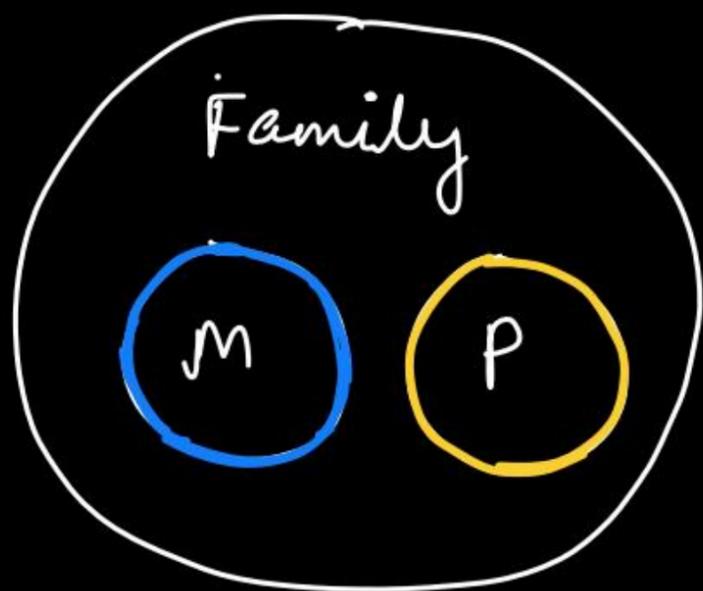
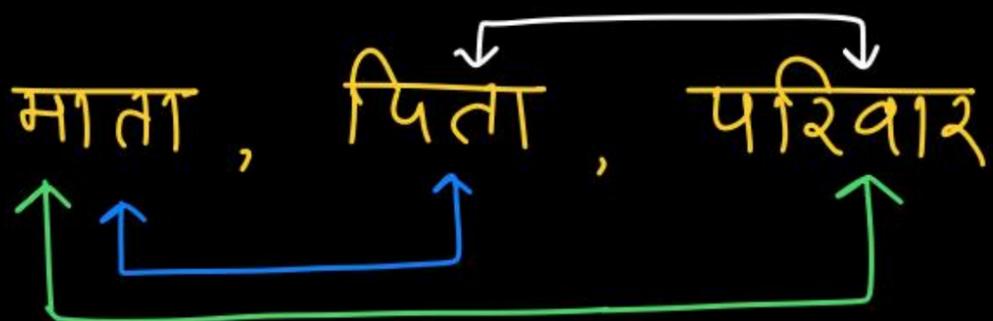
(ii)

लैव, भ्रम  
(A) (M)

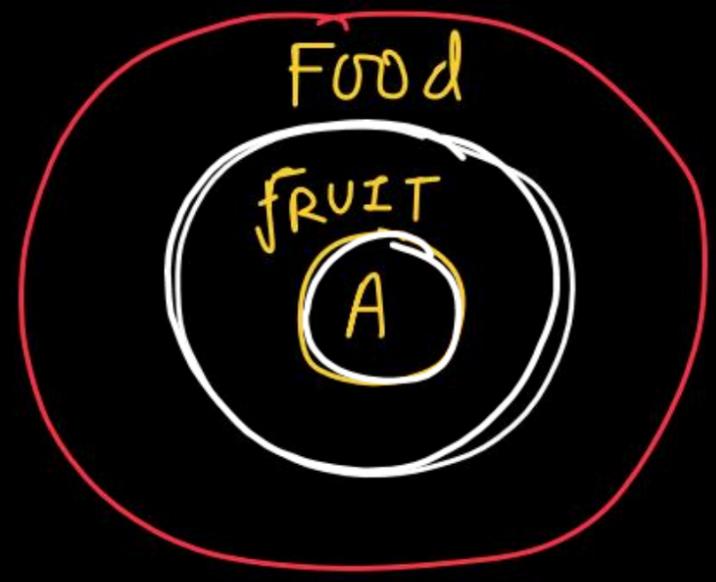
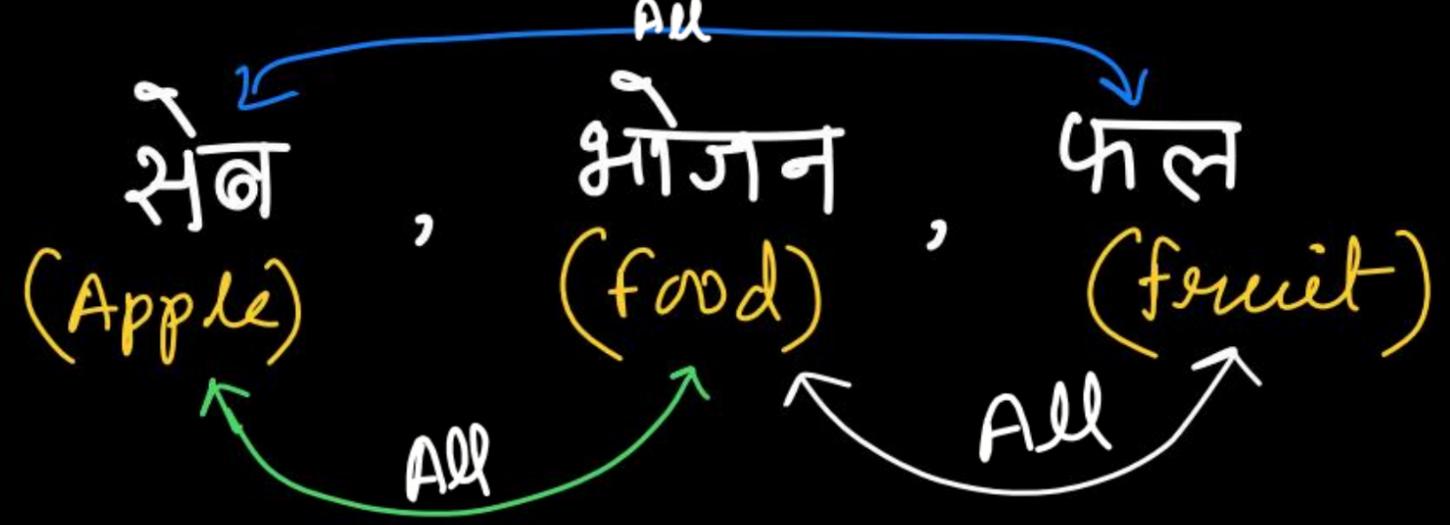


# VENN DIAGRAM

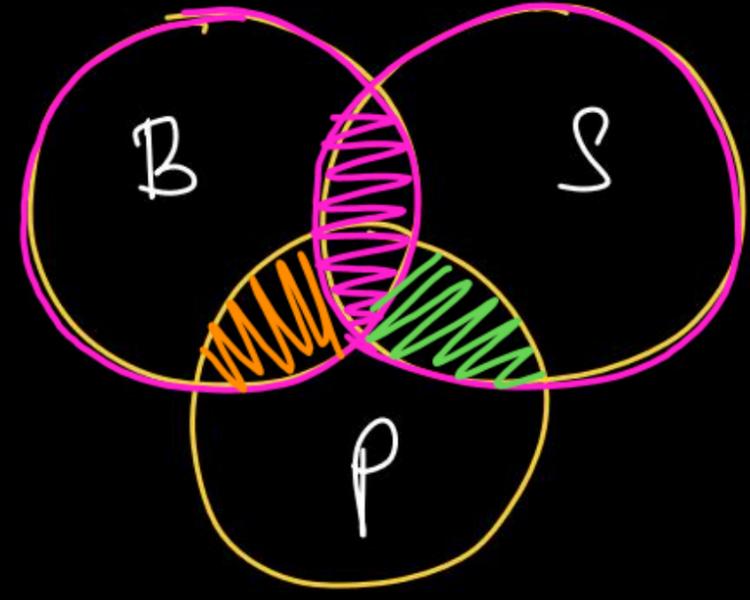
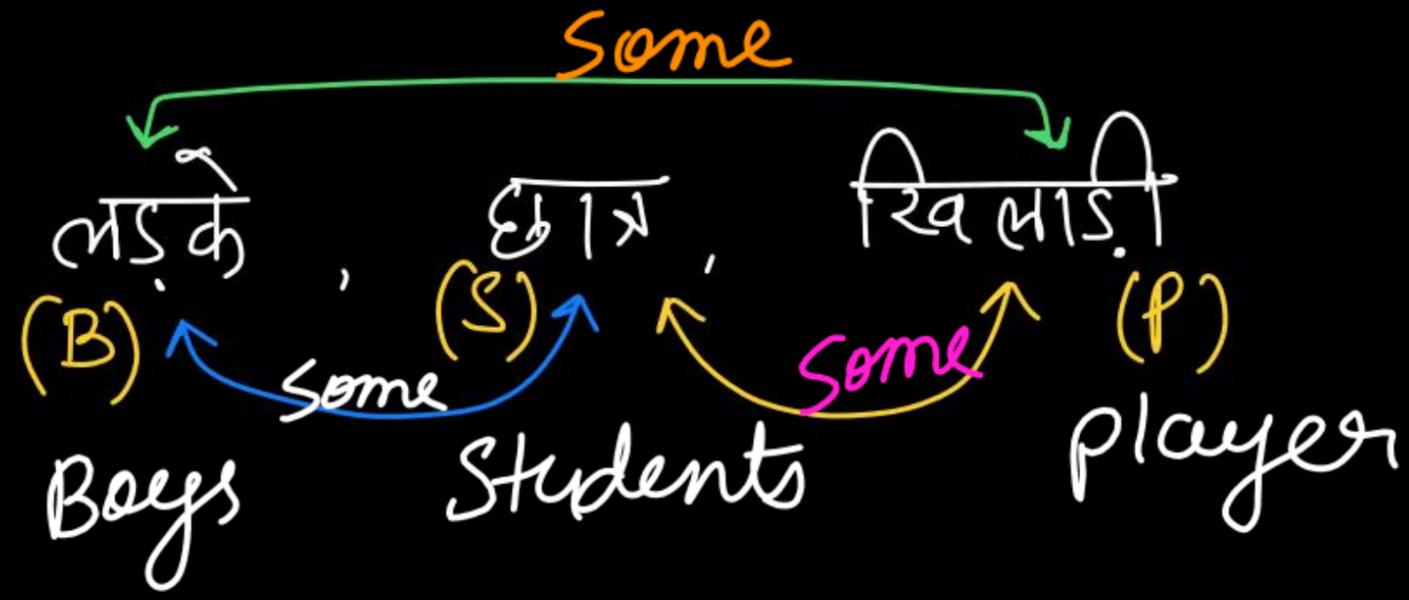
Type ①



\* TYPE-2 :-

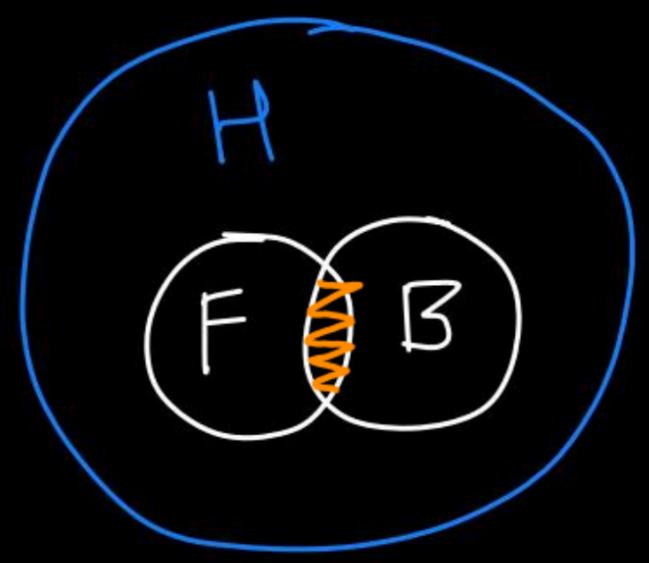
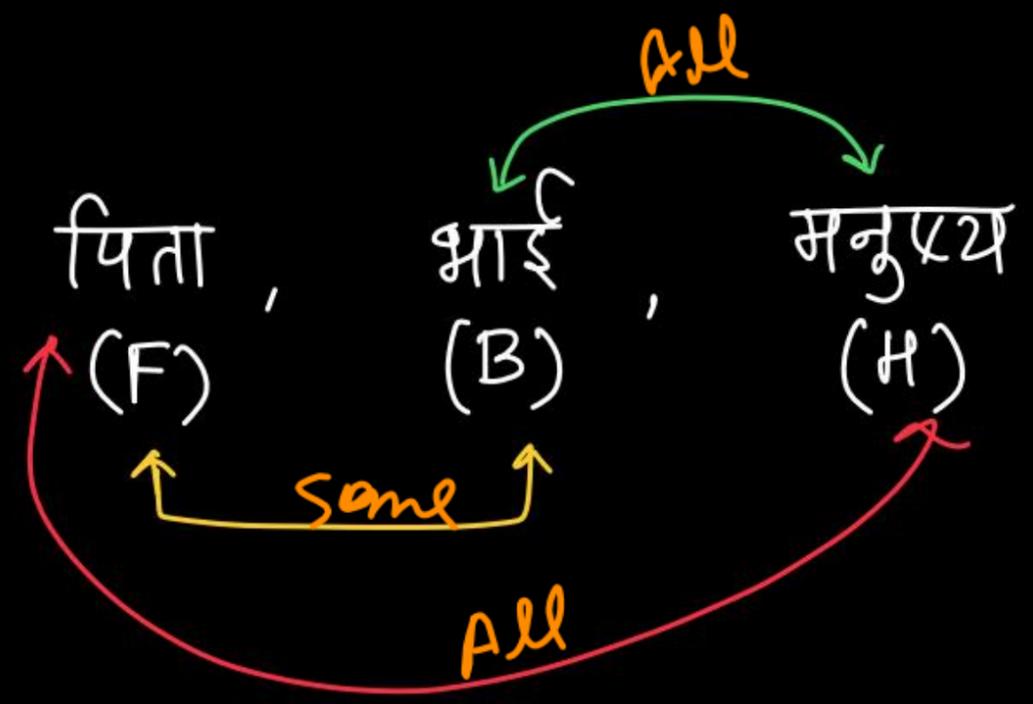


**TYPE-3** :-



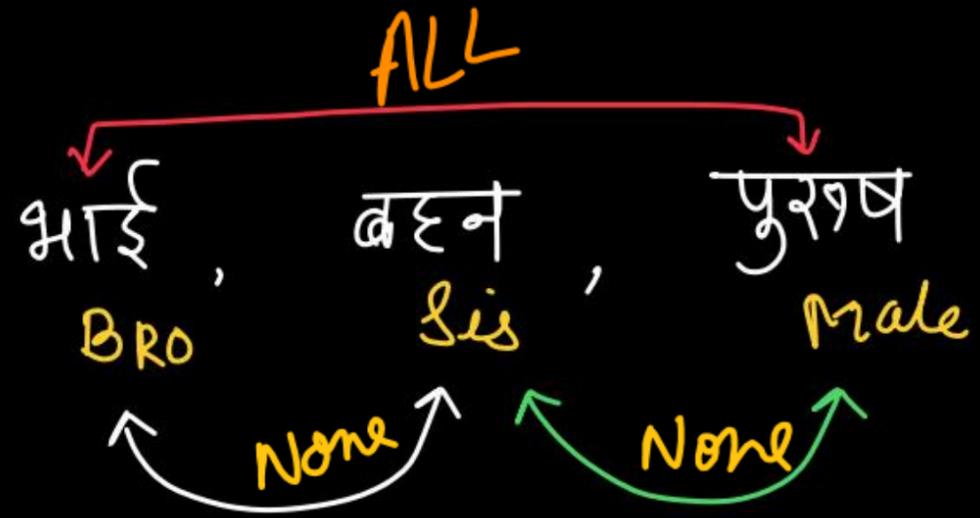
TYPE-4

:-



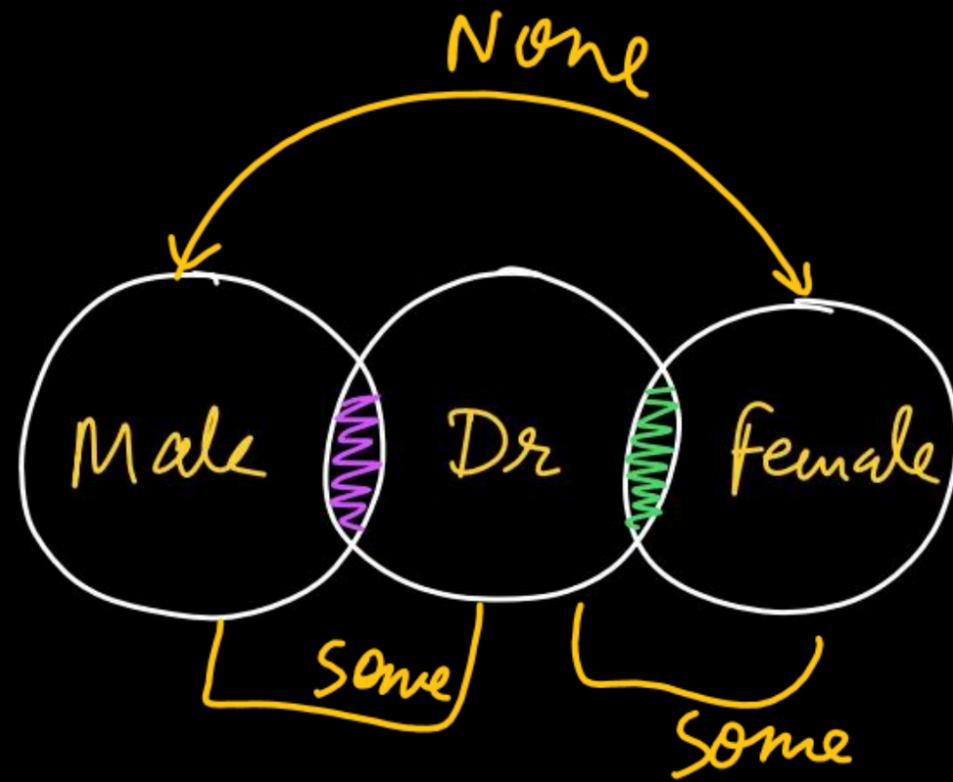
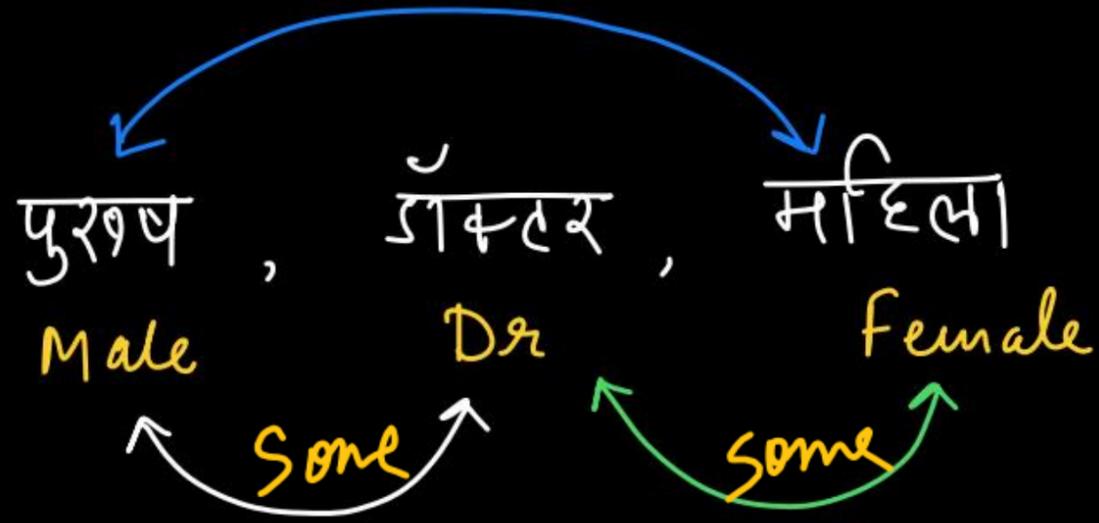
TYPE-5

:-

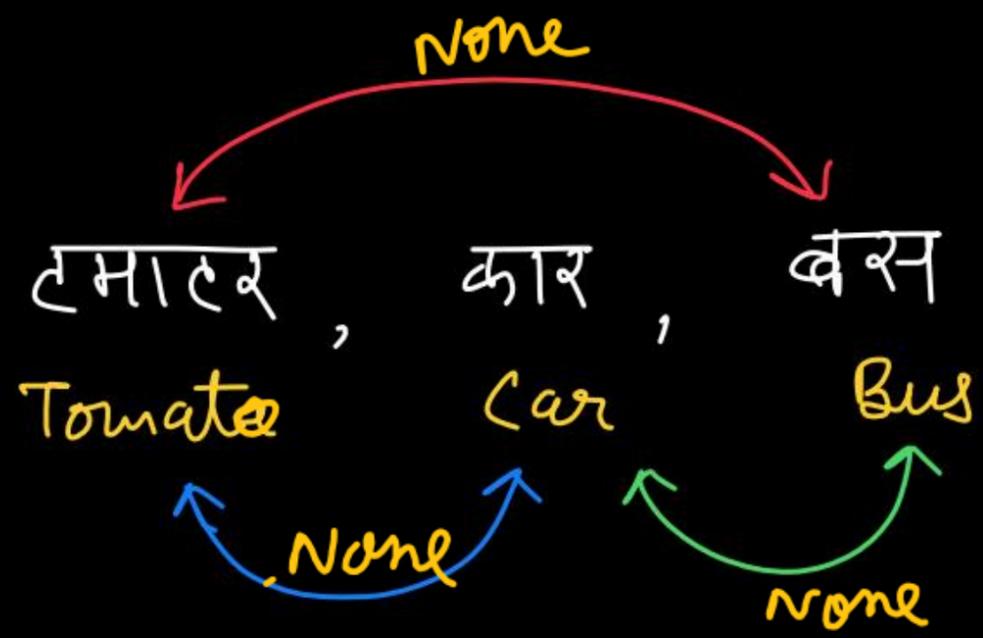


TYPE-6

:-



TYPE-7 :-

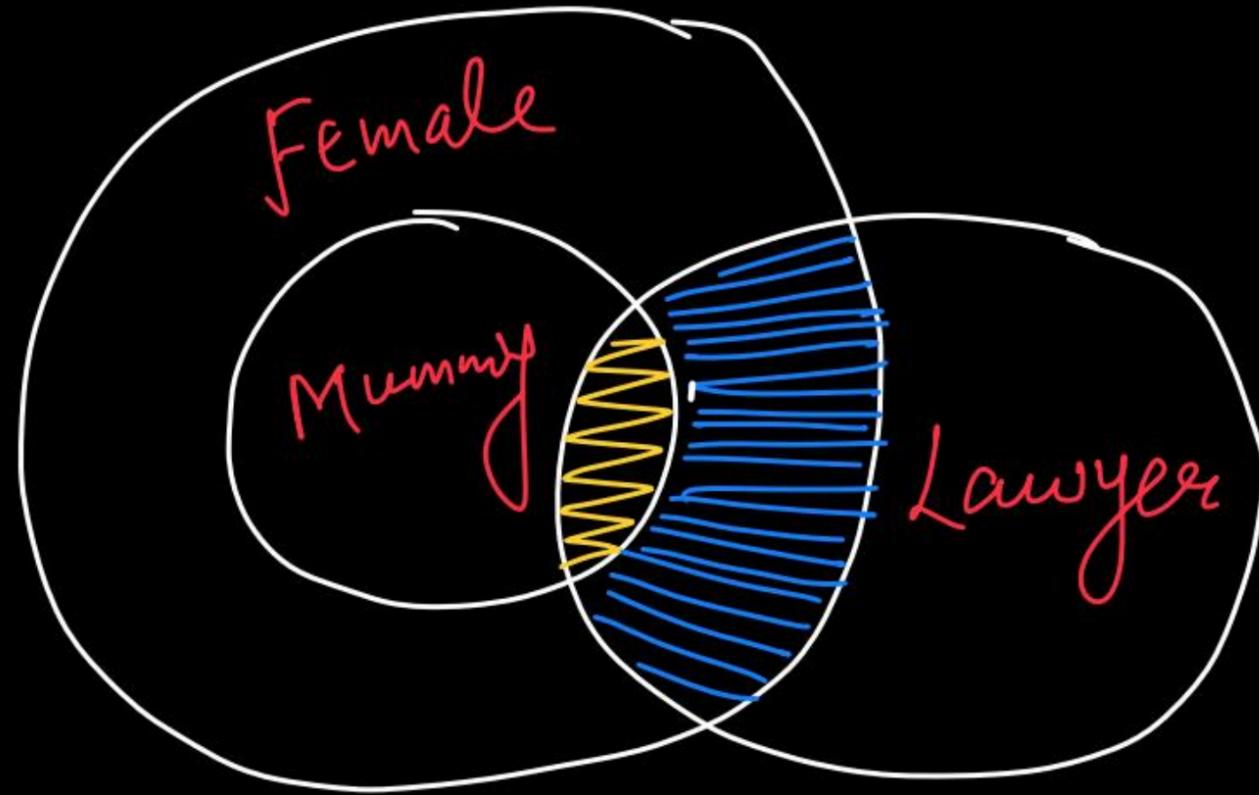
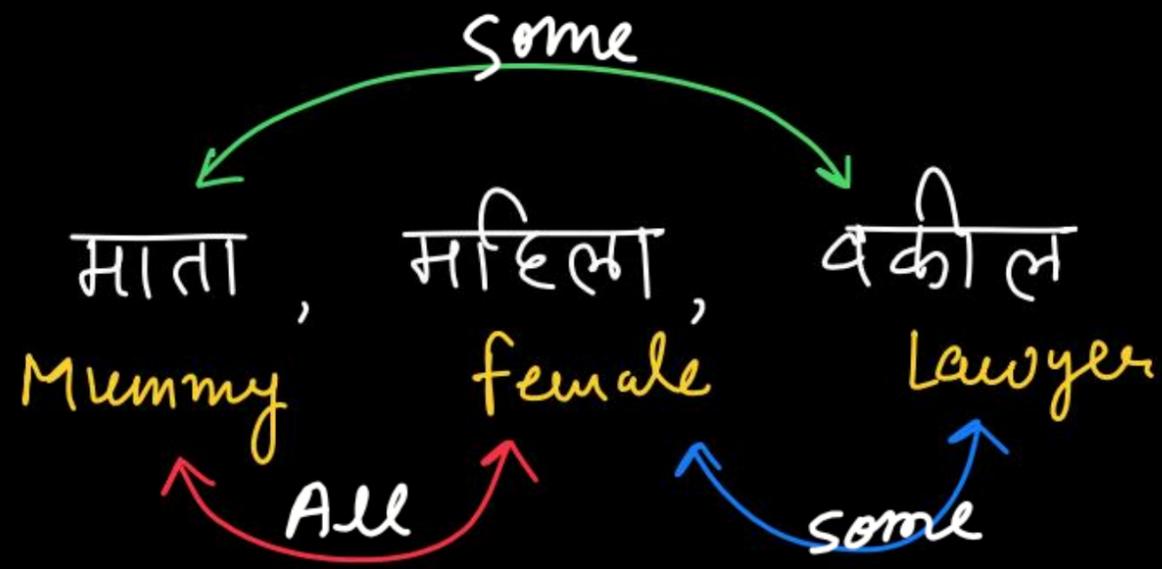


Tomato

Car

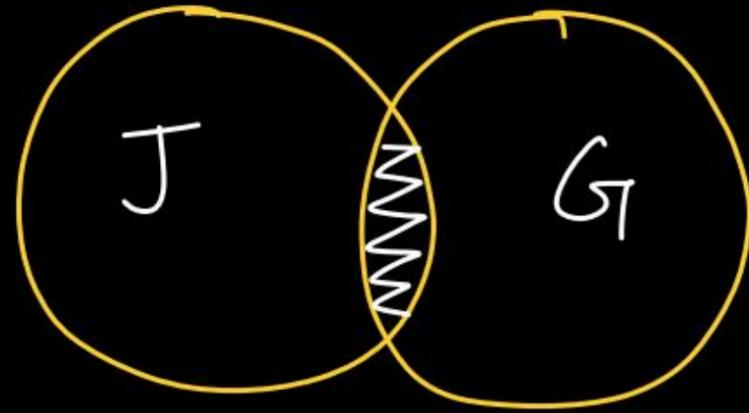
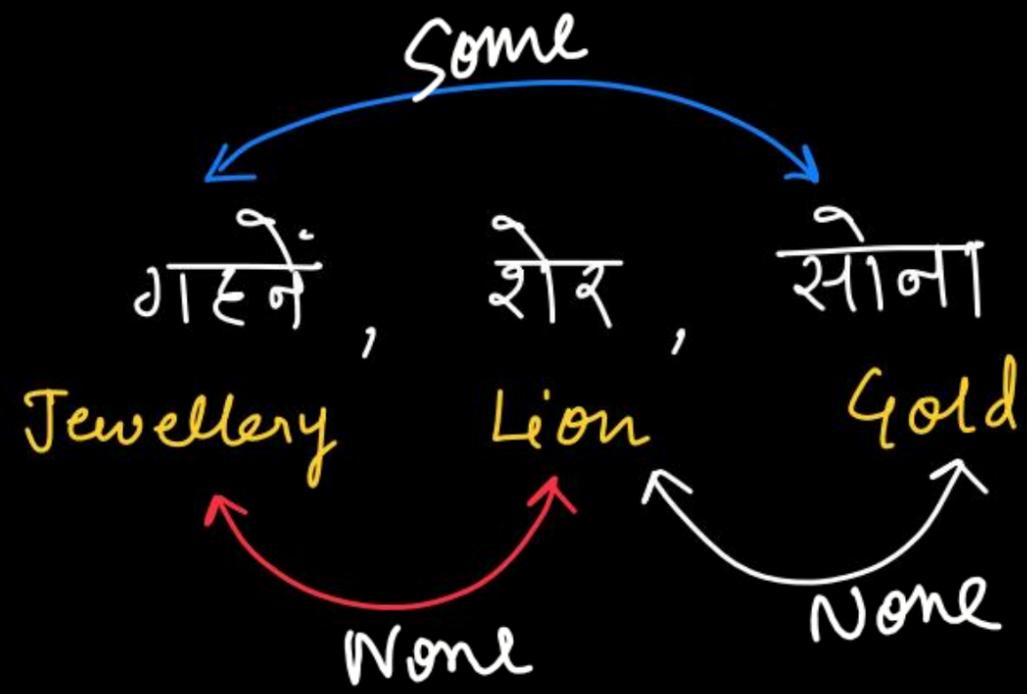
Bus

TYPE-8 :-



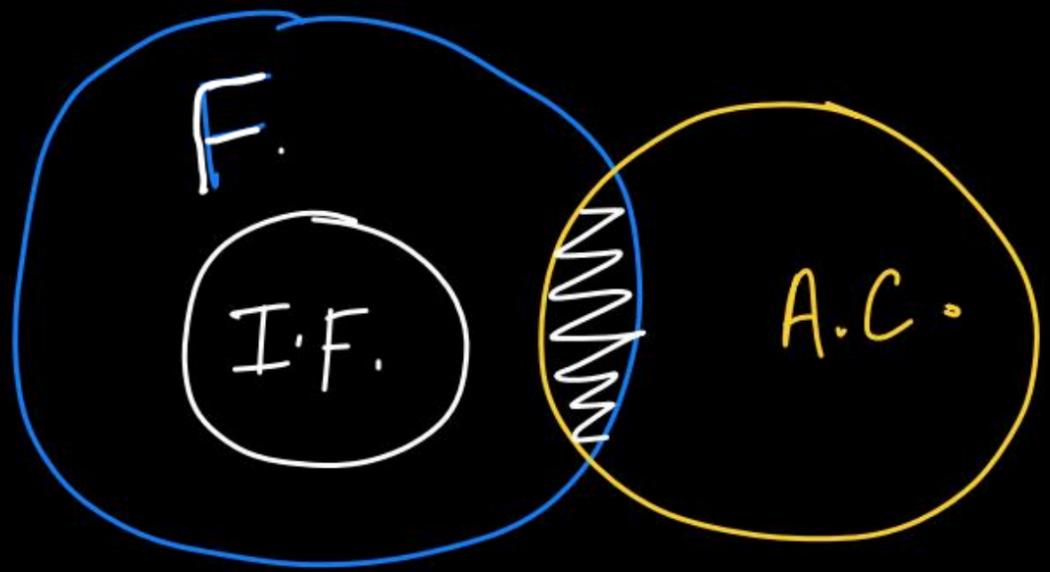
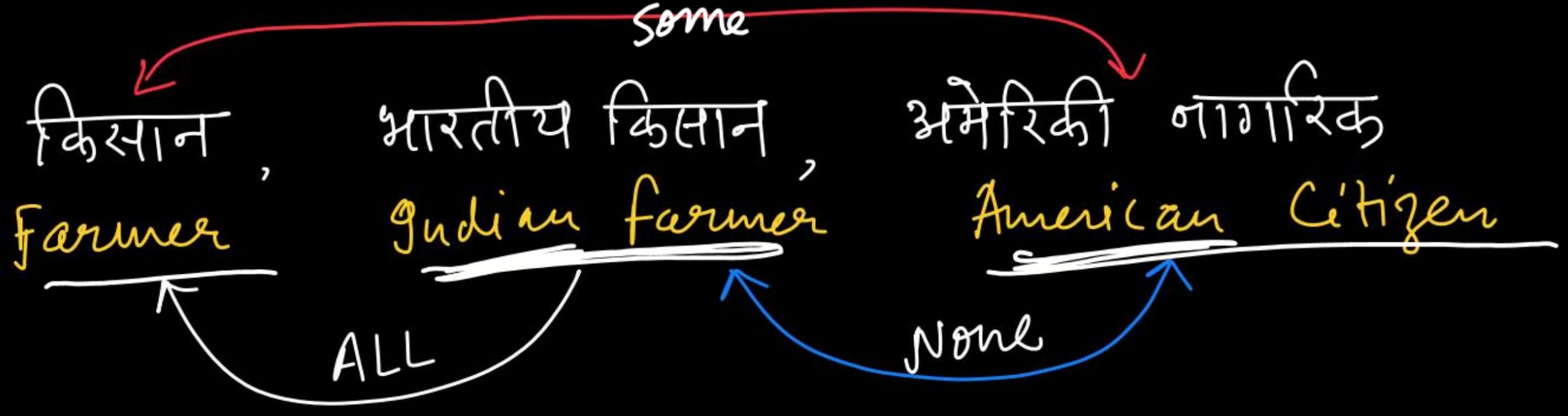
TYPE-9

:-



TYPE-10

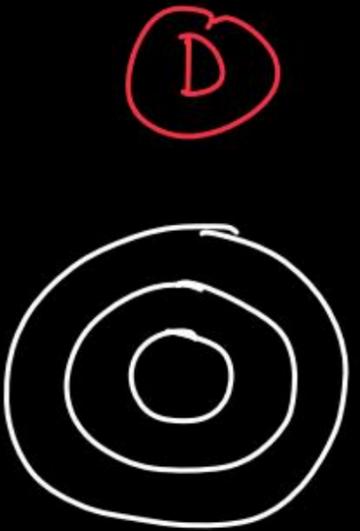
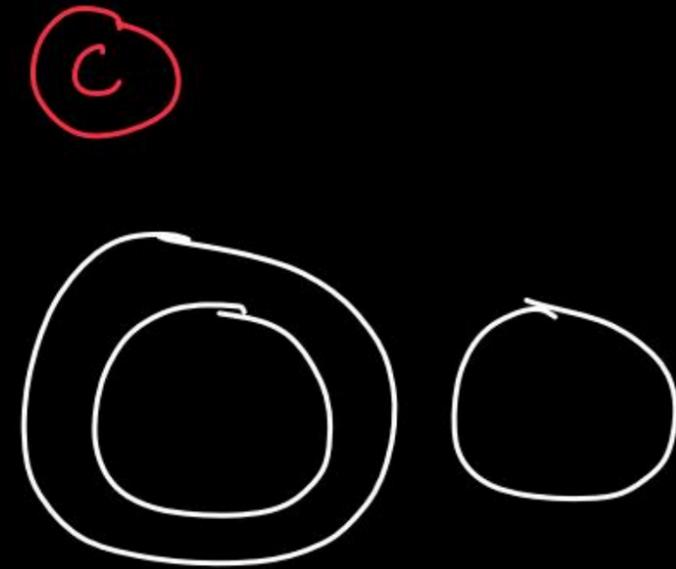
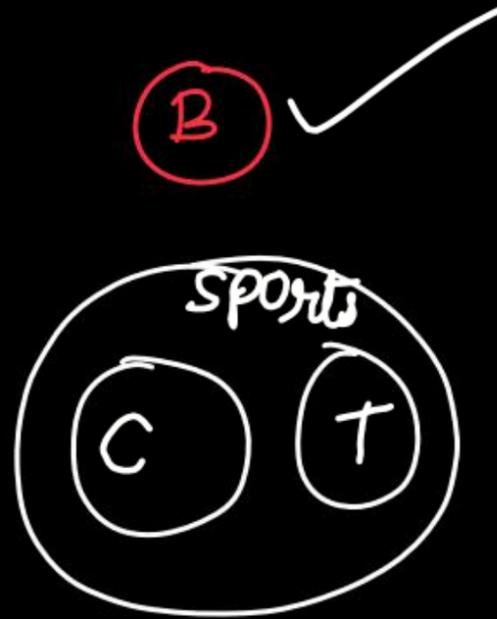
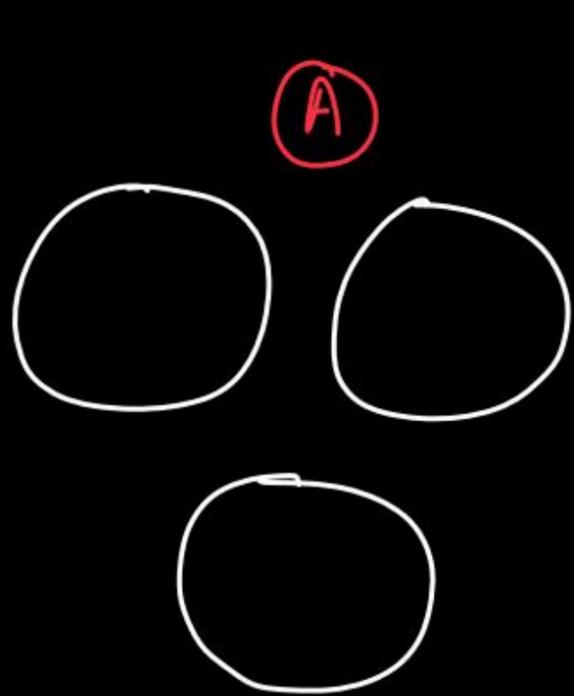
:-



Q<sup>n</sup> ① उस वैन आरेख का चयन करें जो निम्नलिखित वर्गों के समुच्चय के बीच के संबंध को सर्वोत्तम तरीके से दर्शाता है -

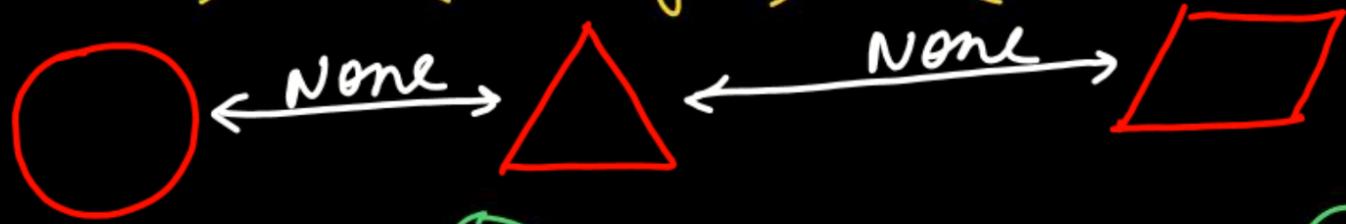
Select the Venn Diagram that best represents the relationship b/w the given set of classes :-

sports (खेल), chess (शतरंज), tennis (टेनिस)



Q<sup>n</sup> (2)

वृत्त (Circle)      त्रिभुज (Triangle)      चतुर्भुज (Quadrilateral)

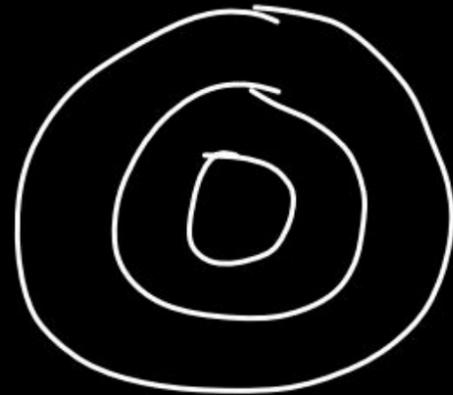
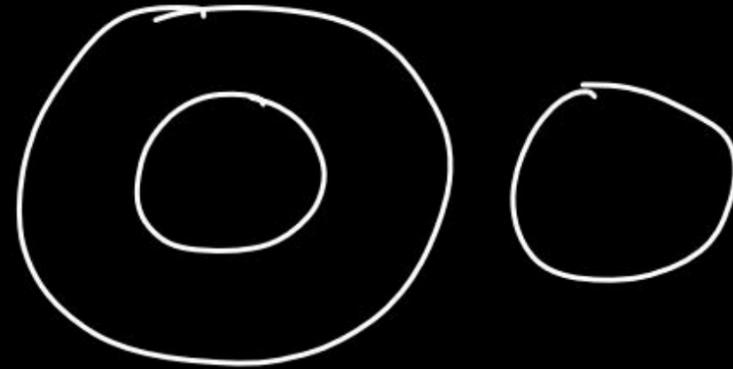
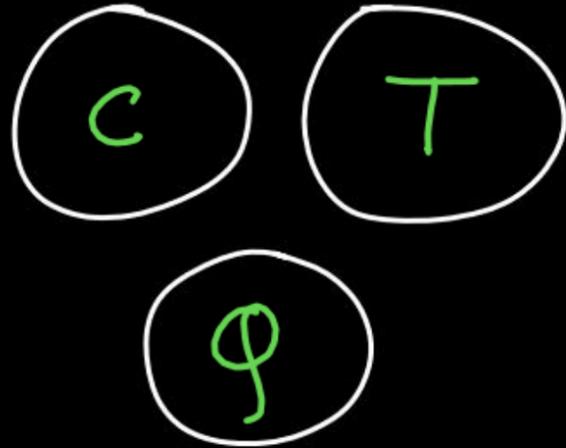
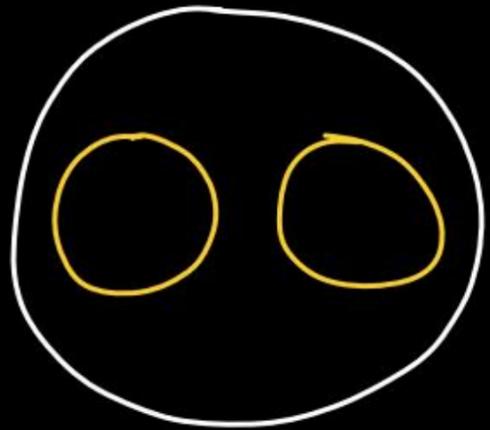


(A)

(B) ✓

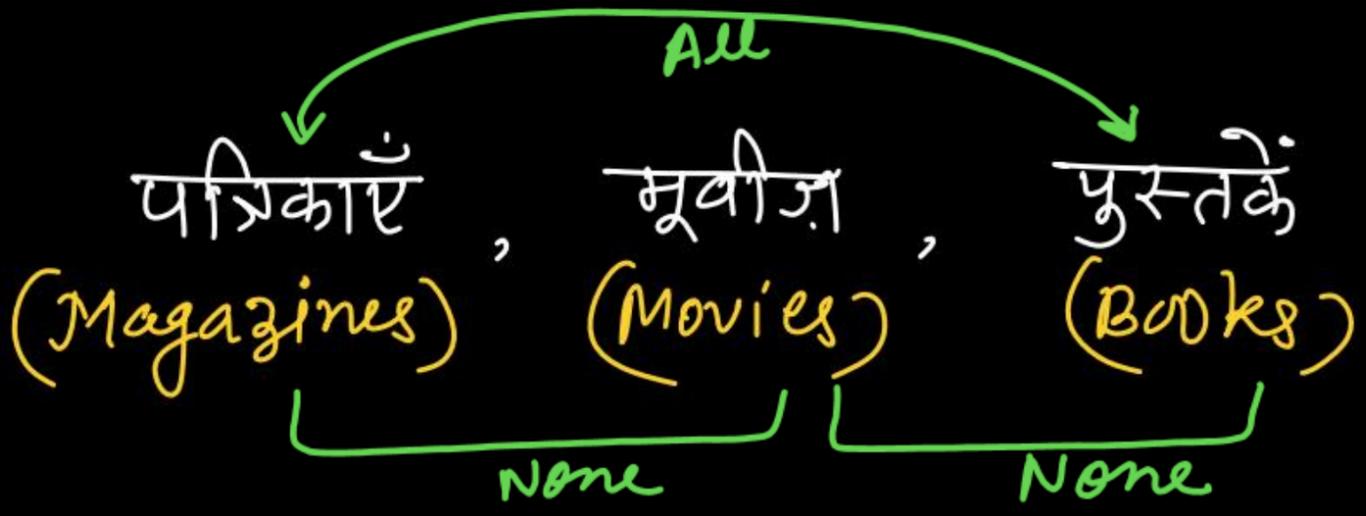
(C)

(D)

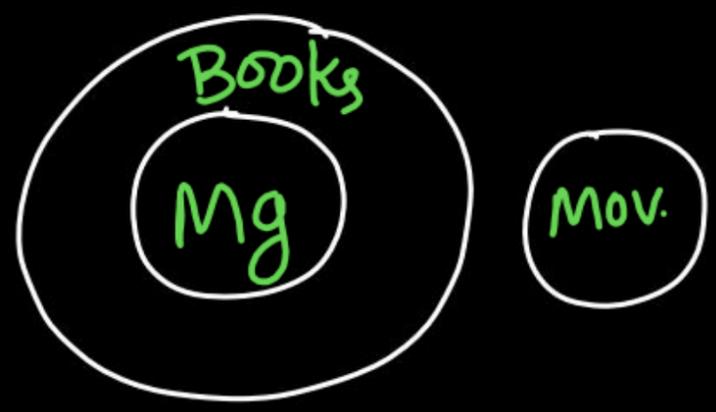


Ans

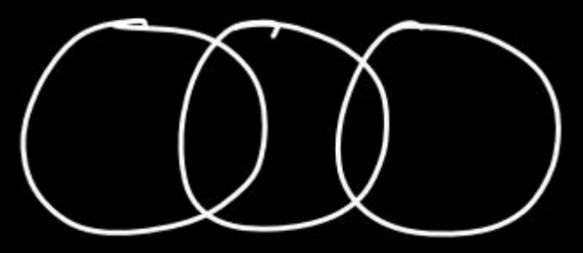
Q<sup>n</sup> (3)



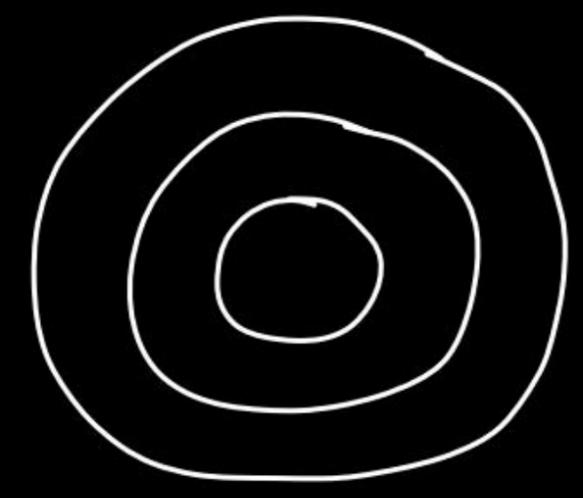
(A) ✓



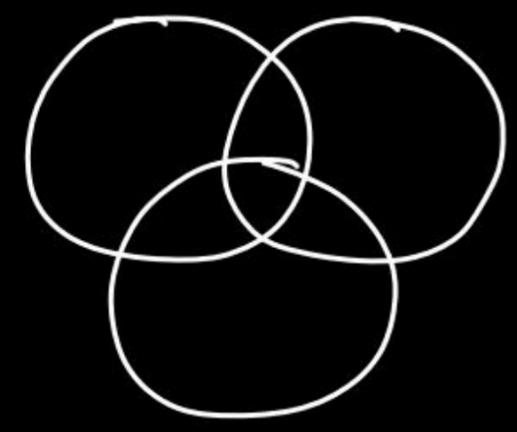
(B)



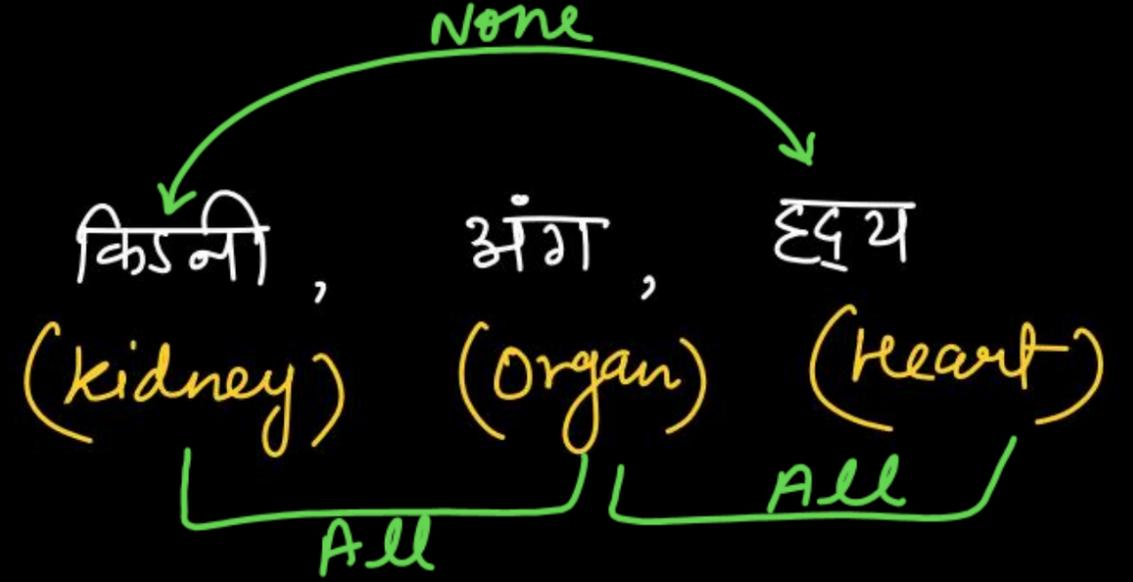
(C)



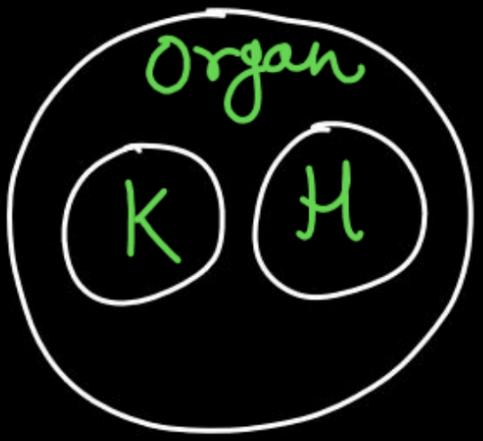
(D)



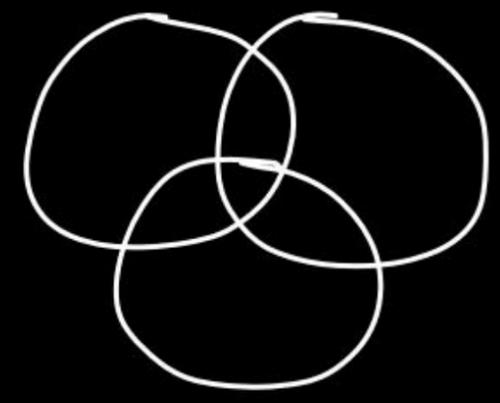
Qn 4



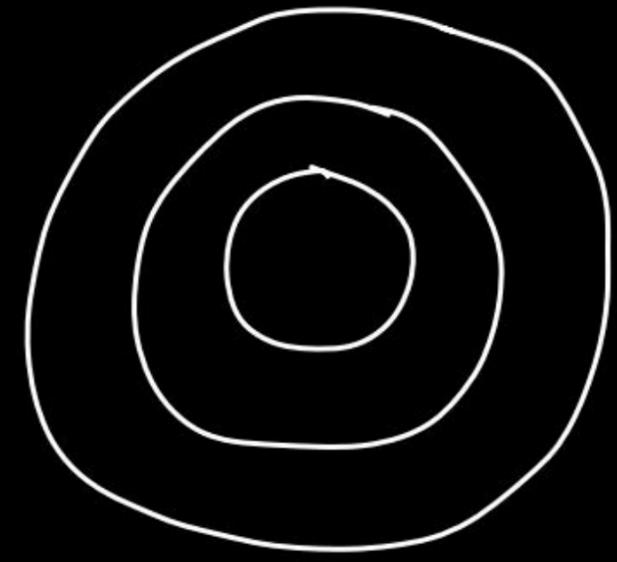
(A)



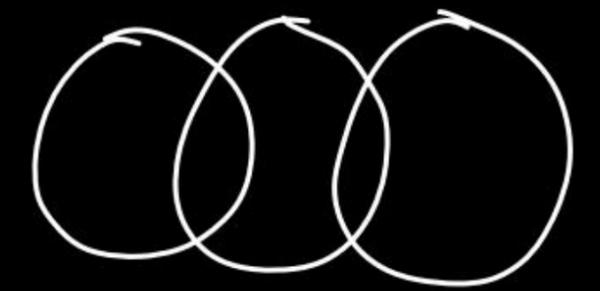
(B)



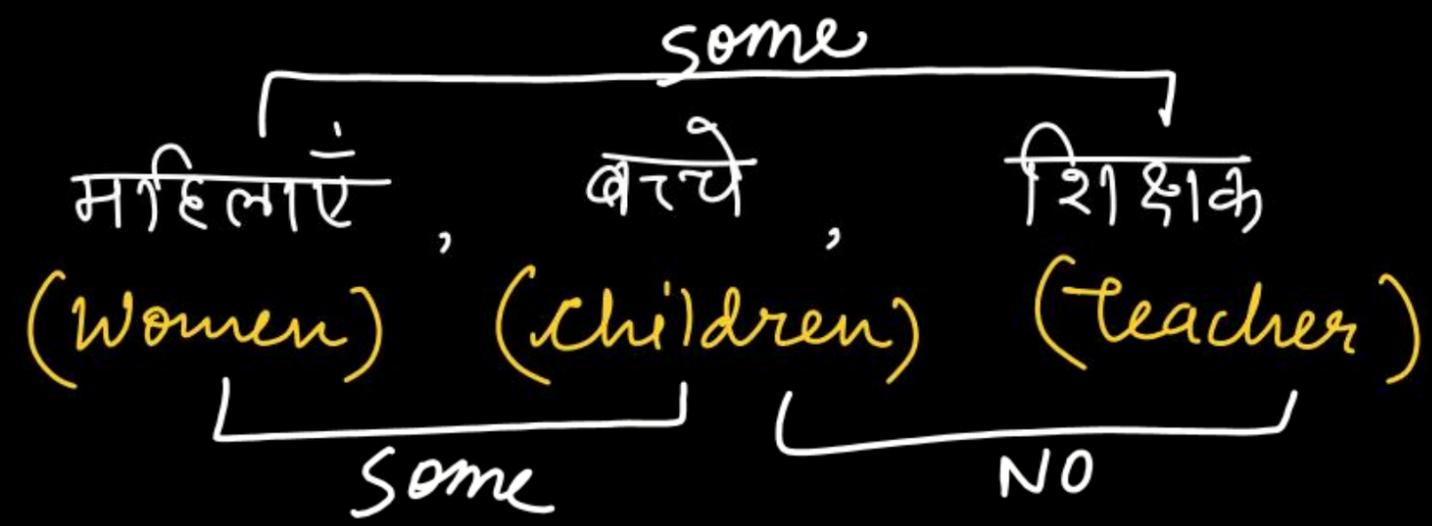
(C)



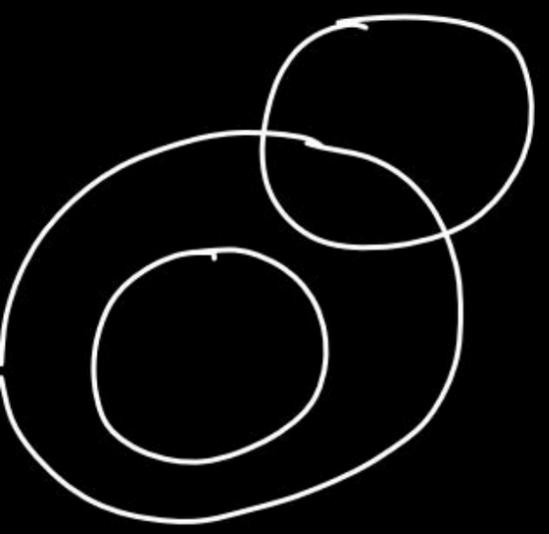
(D)



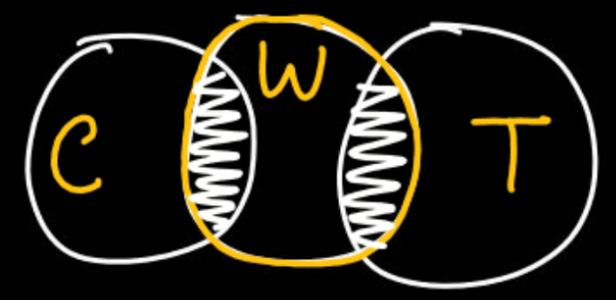
Qn 5



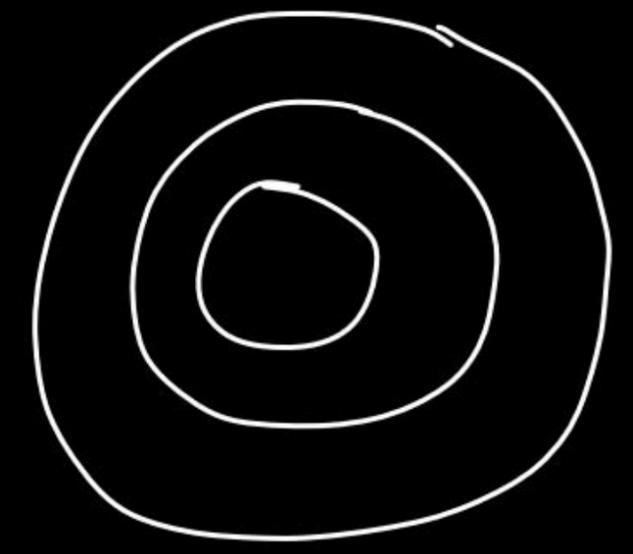
(A)



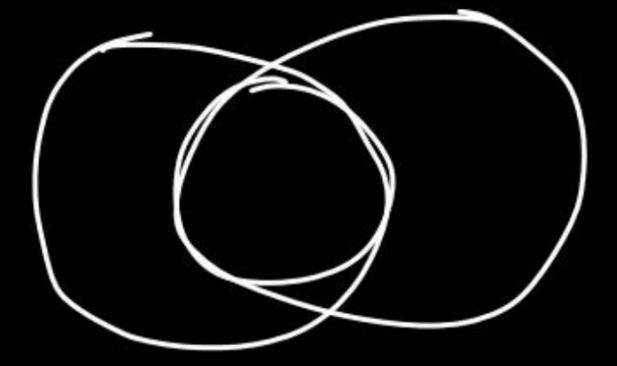
(B) ✓



(C)



(D)

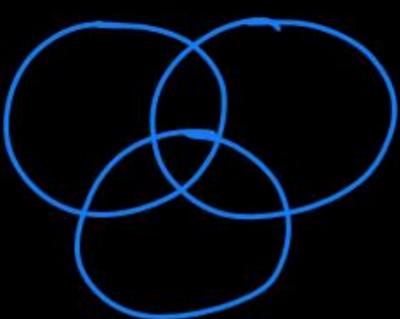


Q. 6 निम्न में कौन सा वेन आरेख दिए गए कथनों को दर्शाता है -

Which of the following Venn diagram represents the given state?

- कुछ वैज्ञानिक प्रोफेसर हैं। **Some** Scientists are Professors.
- सभी वैज्ञानिक कर्मचारी हैं। **All** Scientists are Employees.
- सभी प्रोफेसर कर्मचारी हैं। **All** Professors are Employees.

(A)



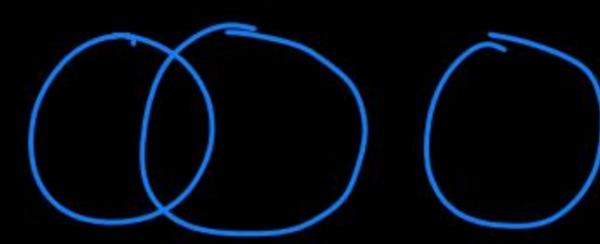
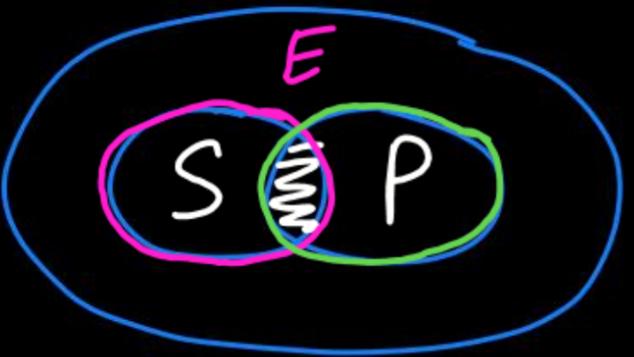
(B)



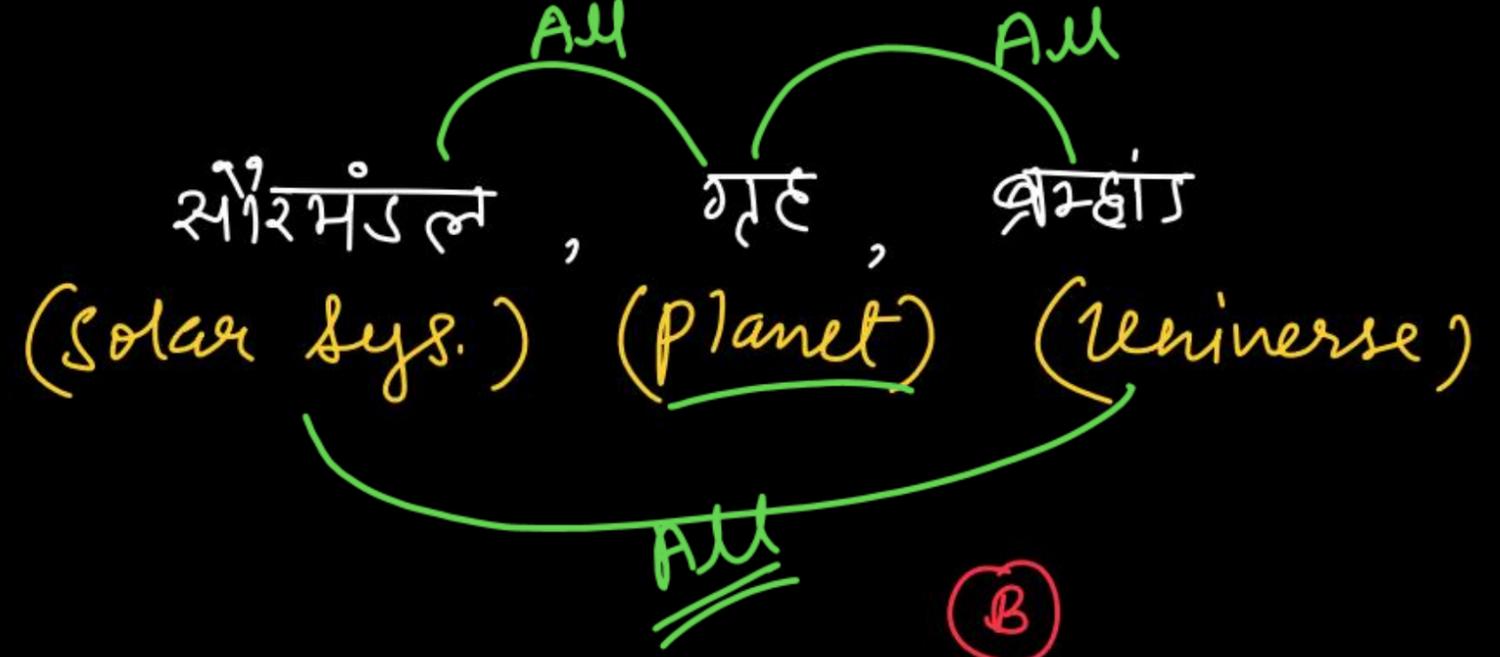
(C)



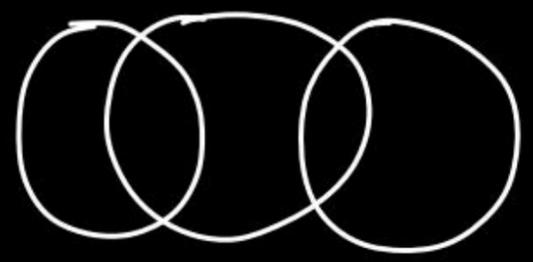
(D)



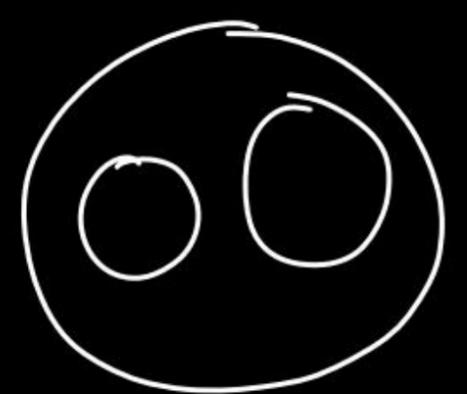
Q<sup>n</sup> (7)



(A)



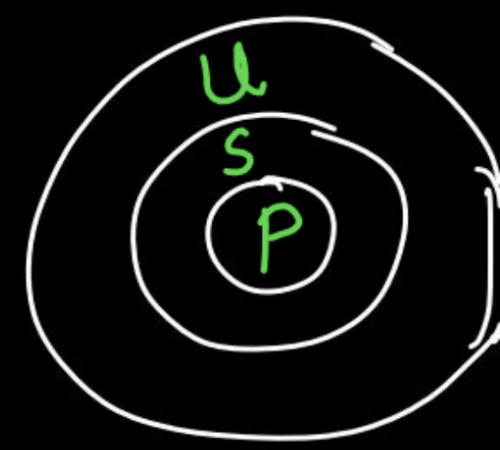
(B)



(C)



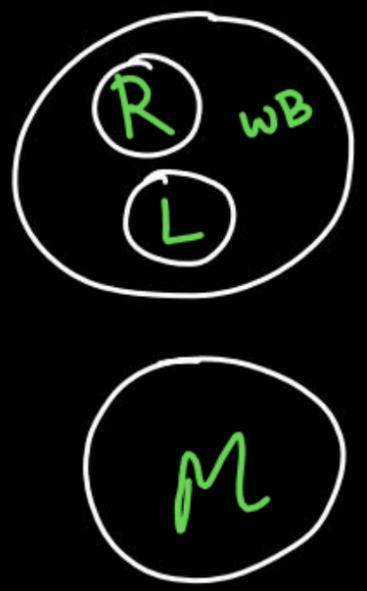
(D) ✓



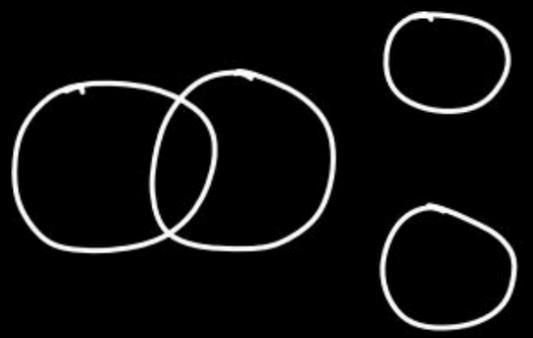
Q4 (8)

नदियाँ, (Rivers), झीलें, (Lakes), पहाड़, (Mountains), जल निकाय (Water Bodies)

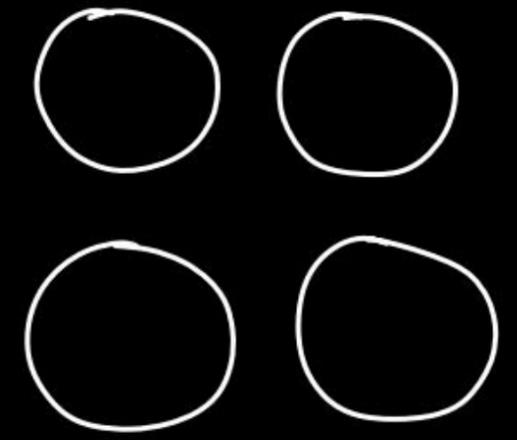
(A) ✓



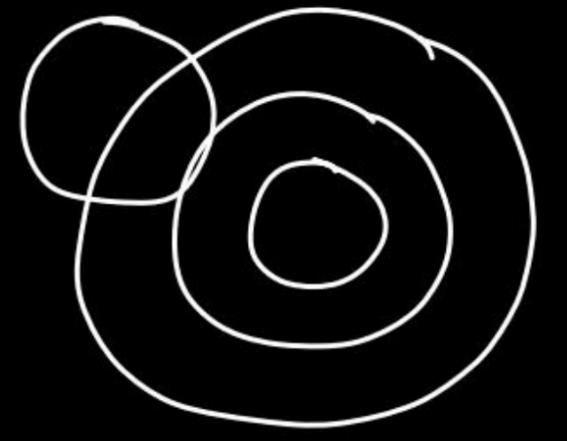
(B)



(C)



(D)



Q4 (9)

आँख ,  
Eye

कान ,  
Ear

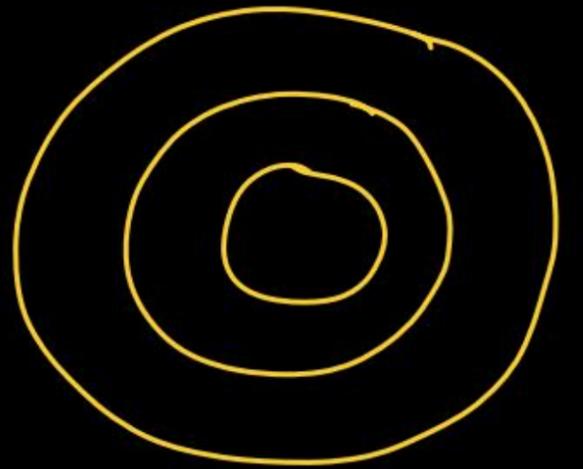
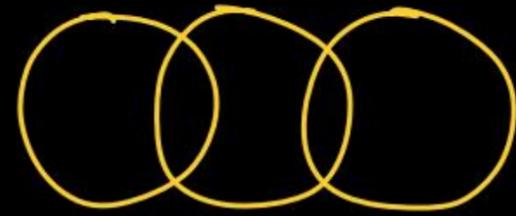
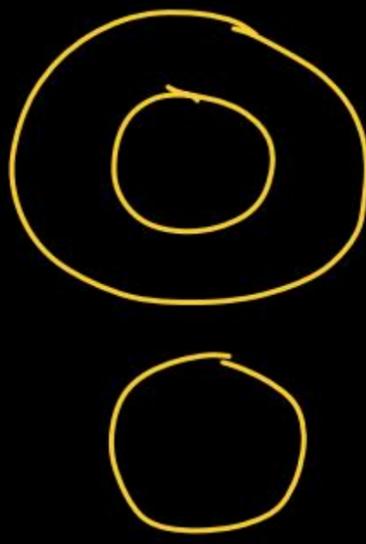
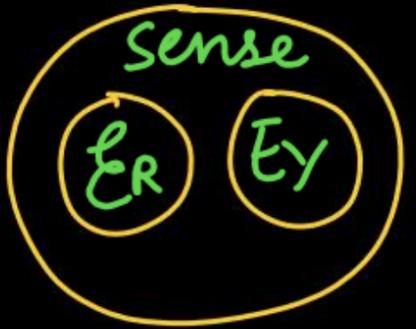
संवेदी अंग  
sense organ

(A)

(B)

(C)

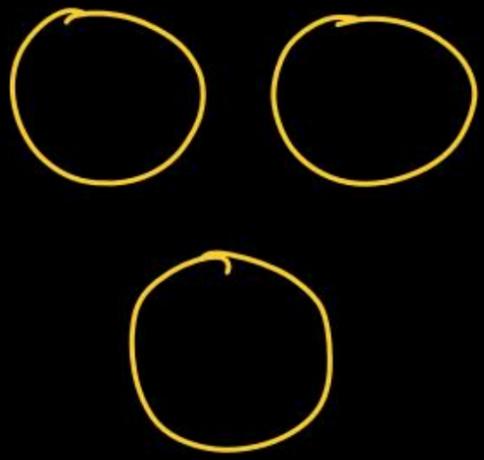
(D)



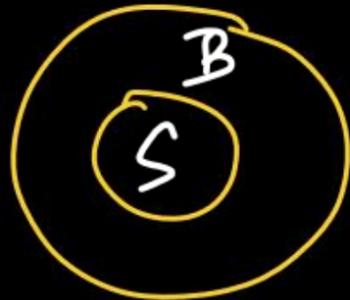
Q<sup>n</sup> (10)

रक्त , कंकाल , हड्डियाँ  
Blood , Skeleton , Bones

(A)



(B) ✓

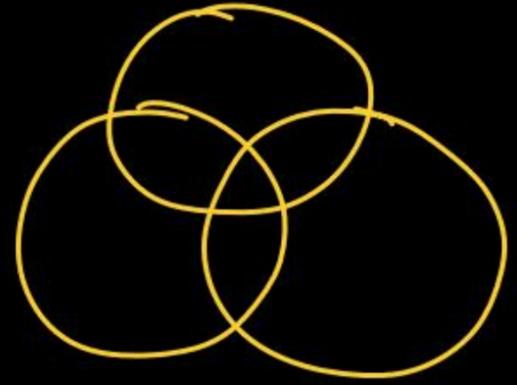


(B)

(C)



(D)



**Syllogism**

Most  
Imp

[व्यायनिगमन]

#

## Sylog

→ काल्पनिक (Imaginary / Hypothetical)

→ अपनी तरफ से जानकारी नहीं देना { Don't give your self information }

→ जितनी बात कही जाये उसके आधार पर Ans. { give ans ; based on given info. }

\* NOTE \*

\* खुद का दिमाग नहीं लगाना है।

Eg



← HALF Glass water



Half Glass water

# Sylog

Statement ①

All A are B  
[सभी A, B हैं]

\* In this statement, Information → A के बारे में हैं। ✓

\* " " " " → B के बारे में नहीं। ✗

\* So, जहाँ Information → नहीं होगी  
उसके बारे में Possibility (संभावना) सही होगी ✓

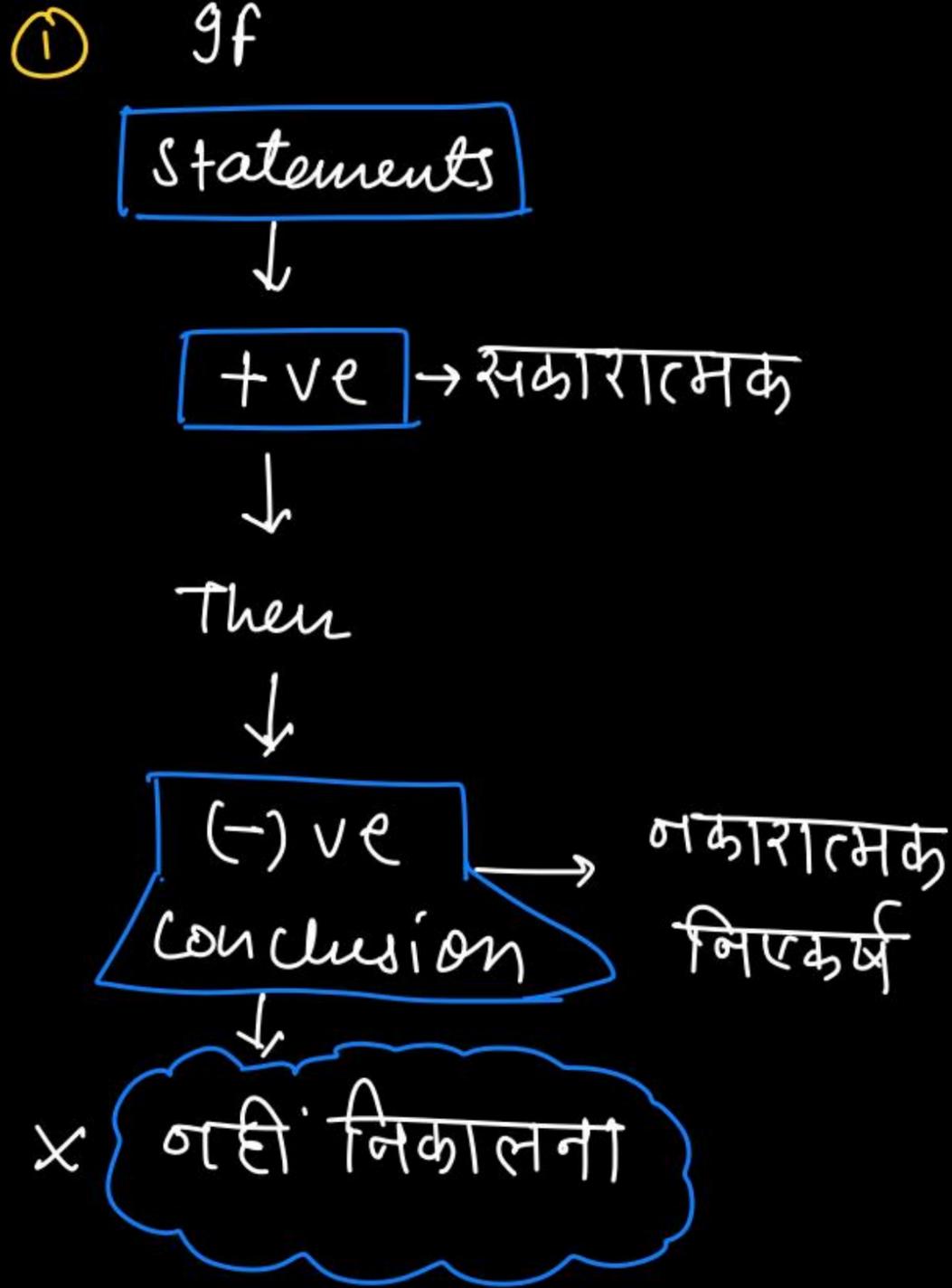
\* Possibility case ✓ → जानकारी या Information → नहीं दी गई होगी

Statement (2)  $\rightarrow$  Some A are B.  
कुछ A, B हैं।

Statement (3)  $\rightarrow$  NO A is B.  
कोई A, B नहीं है।

Statement (4)  $\rightarrow$  Some A are not B.  
कुछ A, B नहीं हैं।

Note



Note

② अगर Relation नहीं है

↓

तो जबरदस्ती Relation नहीं बनाना है।

Note

③ अगर Relation है

↓

तो वहाँ Possibility नहीं लगाना

Note

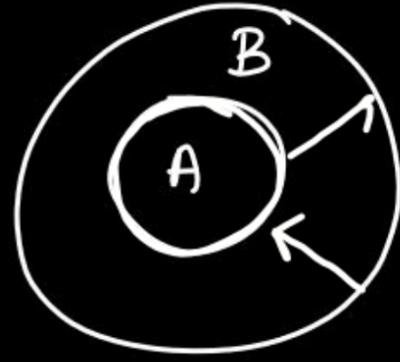
④ दूर-दूर वाले Relation को

↓

पाल नहीं लाना

Statement ①

All A are B.  
सभी A, B में हैं। +



Result :-

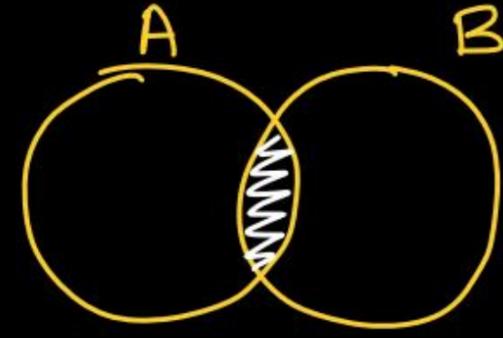
- (i) Some A are B (✓)
- (ii) Some B are A (✓)
- (iii) Some B are not A (x)



संभावना ?

Statement 2

Some A are B  
कुछ A, B हैं +

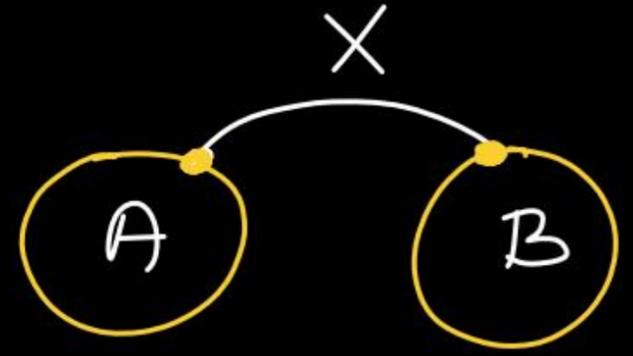


Result

- (i) Some B are A (✓) +
- (ii) Some A are not B (x)
- (iii) Some B are not A (x)

Statement - (3)

NO A is B.  
किस A, B सब हैं।

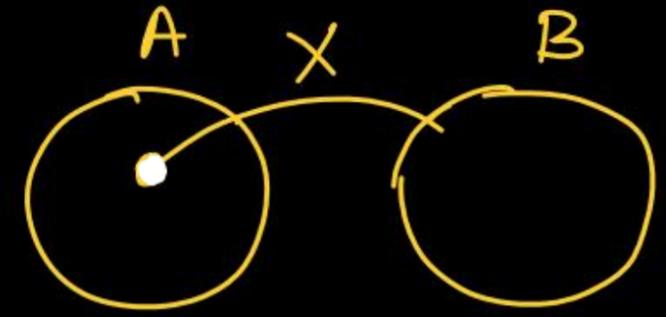


Result

- (i) Some A are not B. (✓)
- (ii) NO B is A (✓)
- (iii) Some B are not A. (✓)

Statement (4)

Some A are not B  
कुछ A, B नहीं हैं।



Result

- \* Given information के base पर answer देना है।
- \* Some A are not B (✓) ✓

Q<sup>n</sup> कथन  
(Statement)

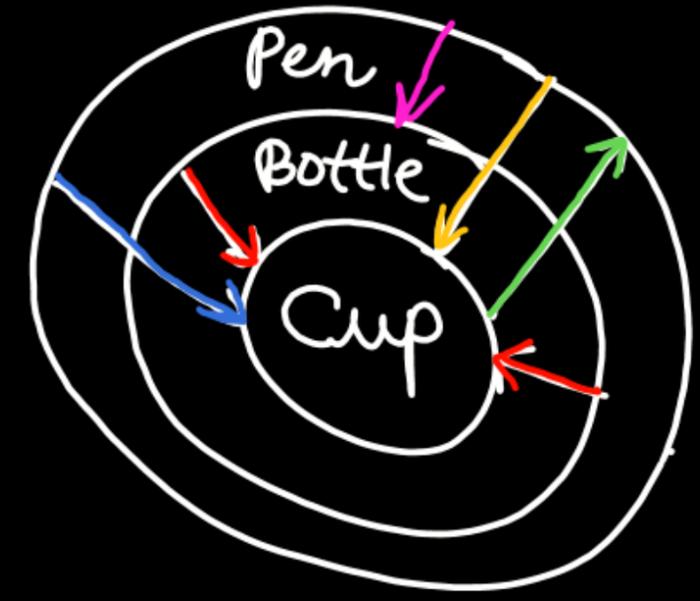
- ① सभी कप , बोतल हैं [ All cups are Bottle ]
- ② सभी बोतलें , पेन हैं [ All Bottles are Pen ]

निष्कर्ष  
Conclusion :-

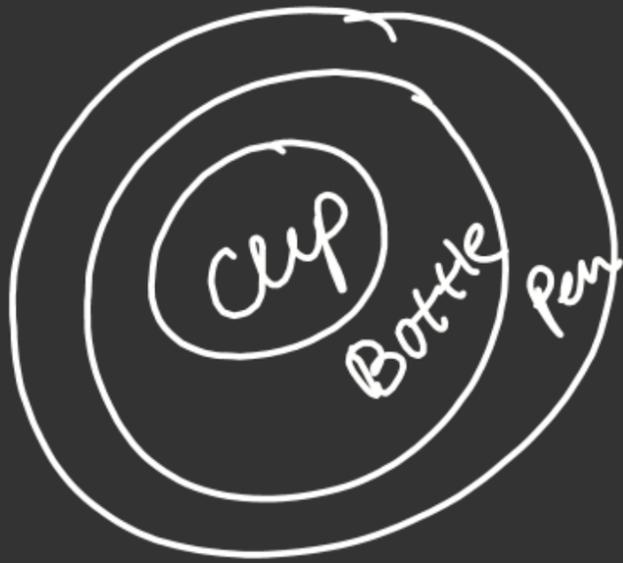
- (i) सभी कप , पेन हैं। [ All cups are Pen ]
- (ii) सभी बोतलें , कप हैं। [ All Bottles are cup ]
- (iii) सभी पेन , कप हैं। [ All pens are cup ]
- (iv) कुछ पेन , बोतलें हैं। [ Some Pens are Bottles ]

options

- (A) only (i) and (iv) follow ✓
- (B) only (ii) & (iii) follow X
- (C) only III follow X
- (D) only II follow only II X



- (i) ✓
- (ii) X
- (iii) X
- (iv) ✓

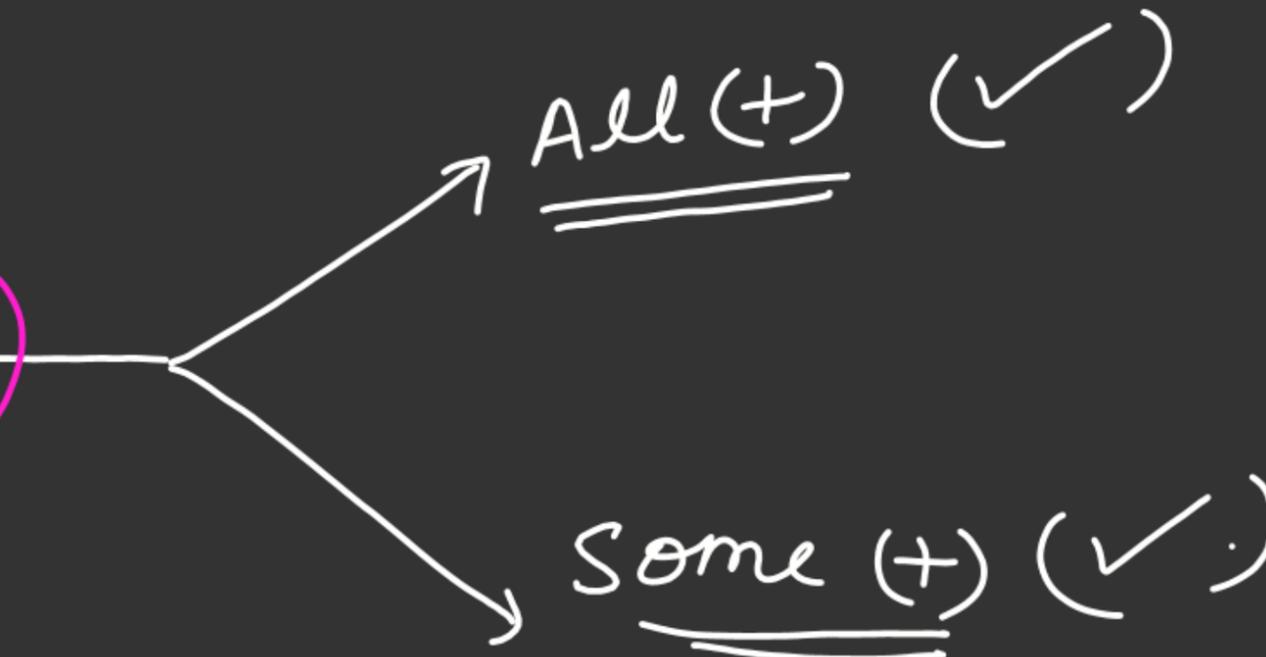


Imp  
\*

छोटे गोले



बड़े गोले



Imp  
\*

बड़े गोले



छोटे गोले

