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PUZZLE SET NO. 82

Directions: Read the given information carefully and answer the questions given beside:

Nine International cricket players Ambati Rayudu, Brendon Mccullum, Colin Munro, Dwayne Bravo, Evin Lewis, Faf-duplessis, Gautam Gambhir, Harbajan Singh and Imran Tahir are living in nine storey building. The lowermost floor is numbered as one and the above floor is numbered as two and so on. All the players got selected for some franchise to play in IPL-2018. Each of them likes different city to play cricket such as Mumbai, Pune, Chennai, Kolkata, Bangalore, Trivandrum, Delhi, Bhubaneswar and Ahmedabad but not necessarily in the same order.

Player Ambati Rayudu lives on even numbered floor above the floor number three. The person who likes to play cricket in Bhubaneswar lives immediately above Dwayne Bravo who likes to play cricket in Bangalore. Two players live between Ambati Rayudu and Evin Lewis. Dwayne Bravo lives on lowermost floor. There is a gap of three floors between one who likes to play cricket in Delhi and the one who likes to play cricket in Bhubaneswar. Neither Faf-duplessis nor Imran Tahir likes Delhi to play cricket. There is one floor between the one who likes to play cricket in Delhi and the one who likes to play cricket in Mumbai. There is no gap between the players who likes to play cricket in Mumbai and the one who likes to play cricket in Pune. The player who likes to play cricket in Bhubaneswar is immediate neighbor of the player who likes to play cricket in Pune. The number of players between Ambati Rayudu and Evin Lewis is same as between the number of players between Dwayne Bravo and Colin Munro. Player Ambati Rayudu is immediate neighbor of Gautam Gambhir who did not live on topmost floor. The number of players above Harbajan Singh is same as below the player who likes to play cricket in Kolkata. Harbajan Singh lives on even numbered floor. Brendon Mccullum who likes to play cricket in Chennai lives one of the floors above the one who likes to play cricket in Kolkata. Player Faf-duplessis and Player Imran Tahir are immediate neighbors in floors. The player who likes to play cricket in Trivandrum lives on odd numbered floor.

1. Who lives immediately above the person who likes to play cricket in Mumbai?

A. The one who likes to play in Trivandrum

B. The one who likes to play in Ahmedabad

C. The one who likes to play in Pune

D. The one who likes to play in Kolkata

E. Cannot be determined

2. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to the group?

A. Dwayne Bravo   B. Ambati Rayudu   C. Brendon Mccullum

D. Gautam Gambhir   E. Evin Lewis

3. If Trivandrum is liked by player Gautam Gambhir, then who among the following likes to play cricket in Ahmedabad?

A. Faf-duplessis   B. Imran Tahir   C. Ambati Rayudu

D. Evin Lewis   E. Cannot be determined

4. How many floors are there between the person who likes to play in Delhi and the person who likes to play in Pune?

A. Five   B. Two   C. Three

D. Four   E. None

5. Who lives between Colin Munro and Harbajan Singh?

A. Ambati Rayudu   B. Evin Lewis   C. Dwayne Bravo

D. Gautam Gambhir   E. Imran Tahir

Correct answers:

1	2	3	4	5
E	B	E	B	B

Common Explanation

References:

Dwayne Bravo lives on lowermost floor.

The person who likes to play cricket in Bhubaneswar lives immediately above Dwayne Bravo who likes to play cricket in Bangalore.

There is a gap of three floors between one who likes to play cricket in Delhi and the one who likes to play cricket in Bhubaneswar.

The player who likes to play cricket in Bhubaneswar is immediate neighbor of the player who likes to play cricket in Pune.

There is no gap between the players who likes to play cricket in Mumbai and the one who likes to play cricket in Pune.

There is one floor between the one who likes to play cricket in Delhi and the one who likes to play cricket in Mumbai.

Player Ambati Rayudu lives on even numbered floor above the floor number three.

Two players live between Ambati Rayudu and Evin Lewis.

Inferences:

All the above statements are given directly, so simply we can fill into the table as shown below,

- o Dwayne Bravo lives on lowermost floor & likes to play cricket in Bangalore.
- o The one who likes to play cricket in Delhi lives on 6th floor.
- o The one who likes to play cricket in Pune lives on 3rd floor.
- o The one who likes to play cricket in Mumbai lives on 4th floor.

o   Player Ambati Rayudu lives on either 4th, 6th or 8th floor (3 possibilities)

Based on above information, we get four following cases,

Case:1			Case:2 (A)		
Floors	**Player**	**City**	**Floors**	**Player**	**City**
9			9		
8			8		
7	Evin Lewis		7		
6		Delhi	6	Ambati Rayudu	Delhi
5			5		
4	Ambati Rayudu	Mumbai	4		Mumbai
3		Pune	3	Evin Lewis	Pune
2		Bhubaneswar	2		Bhubaneswar
1	Dwayne Bravo	Bangalore	1	Dwayne Bravo	Bangalore

Case:2(B)			Case:3		
Floors	**Player**	**City**	**Floors**	**Player**	**City**
9	Evin Lewis		9		
8			8	Ambati Rayudu	
7			7		
6	Ambati Rayudu	Delhi	6		Delhi
5			5	Evin Lewis	
4		Mumbai	4		Mumbai
3		Pune	3		Pune
2		Bhubaneswar	2		Bhubaneswar
1	Dwayne Bravo	Bangalore	1	Dwayne Bravo	Bangalore

References:

The number of players between Ambati Rayudu and Evin Lewis is same as between the number of players between Dwayne Bravo and Colin Munro.

The number of players above Harbajan Singh is same as below the player who likes to play cricket in Kolkata. Harbajan Singh lives on even numbered floor.

Brendon Mccullum who likes to play cricket in Chennai lives one of the floors above the one who likes to play cricket in Kolkata.

Inferences:

From above statements,

- The number of players between Ambati Rayudu and Evin Lewis is two. Therefore the number of players between Dwayne Bravo and Colin Munro must be two. [Case 1 gets eliminated, since not satisfied with this condition]
- So Colin Munro lives on 4th floor (all cases)
- In case 2(A), Harbajan Singh lives on 2nd floor (even number) and the one who likes to play cricket in Kolkata lives on 8th floor [Above & Below having 7 players each]. Brendon Mccullum who likes to play cricket in Chennai lives on 9th floor.
- In case 2(B), Harbajan Singh lives on 2nd floor (even number) and the one who likes to play cricket in Kolkata lives on 8th floor [Above & Below having 7 players each]. But no floor left for Brendon Mccullum who likes to play cricket in Chennai must live one of the floors above Kolkata. **[Here 9th floor occupied by Evin Lewis. So this can be eliminated]**
- In case 3, Harbajan Singh lives on 2nd floor (even number) and the one who likes to play cricket in Kolkata lives on 8th floor [Above & Below having 7 players each]. Brendon Mccullum who likes to play cricket in Chennai lives on 9th floor. Thus we get the following tables as,

Case:1 [Eliminated] No floor left for Colin Munro			Case:2 (A)		
Floors	Player	City	Floors	Player	City
9			9	Brendon Mccullum	Chennai
8			8		Kolkata
7	Evin Lewis		7		
6		Delhi	6	Ambati Rayudu	Delhi
5			5		
4	Ambati Rayudu	Mumbai	4	Colin Munro	Mumbai
3		Pune	3	Evin Lewis	Pune
2		Bhubaneswar	2	Harbajan Singh	Bhubaneswar
1	Dwayne Bravo	Bangalore	1	Dwayne Bravo	Bangalore

Case:2(B)[Eliminated] No floor left for Brendon Mccullum			Case:3		
Floors	Player	City	Floors	Player	City
9	Evin Lewis		9	Brendon Mccullum	Chennai

8		Kolkata	8	Ambati Rayudu	Kolkata
7			7		
6	Ambati Rayudu	Delhi	6		Delhi
5			5	Evin Lewis	
4	Colin Munro	Mumbai	4	Colin Munro	Mumbai
3		Pune	3		Pune
2	Harbajan Singh	Bhubaneswar	2	Harbajan Singh	Bhubaneswar
1	Dwayne Bravo	Bangalore	1	Dwayne Bravo	Bangalore

Note: Only Case (2A) and Case 3 are left to follow,

References:

Player Faf-duplessis and Player Imran Tahir are immediate neighbors in floors.

Neither Faf-duplessis nor Imran Tahir likes Delhi to play cricket.

Inferences:

From above statements,

- o In case 2(A), Player Faf-duplessis and Player Imran Tahir lives on either 7th or 8th floor.
- o Case 3 gets eliminated, since Player Faf-duplessis and Player Imran Tahir are not likes to play cricket in Delhi.

Thus we get only one case (2A), as follows

Case:2 (A)			Case:3 [Eliminated] Neither Faf-duplessis nor Imran Tahir likes Delhi to play cricket.		
Floors	Player	City	Floors		
9	Brendon Mccullum	Chennai	9	Brendon Mccullum	Chennai
8	Faf-duplessis/ Imran Tahir	Kolkata	8	Ambati Rayudu	Kolkata
7	Faf-duplessis/ Imran Tahir		7	Faf-duplessis/ Imran Tahir	
6	Ambati Rayudu	Delhi	6	Faf-duplessis/ Imran Tahir	Delhi

5			5	Evin Lewis	
4	Colin Munro	Mumbai	4	Colin Munro	Mumbai
3	Evin Lewis	Pune	3		Pune
2	Harbajan Singh	Bhubaneswar	2	Harbajan Singh	Bhubaneswar
1	Dwayne Bravo	Bangalore	1	Dwayne Bravo	Bangalore

References:

Player Ambati Rayudu is immediate neighbor of Gautam Gambhir who did not live on topmost floor.

The player who likes to play cricket in Trivandrum lives on odd numbered floor.

Inferences:

From above statements,

- Gautam Gambhir is an immediate neighbor of Ambati Rayudu & lives on 5th floor.
- The player one who likes to play cricket in Trivandrum lives on (odd numbered floor) either 5th or 7th floor.
- Finally, the player one who likes to play cricket in Ahmadabad lives on either 5th or 7th floor.

Thus we get the final Table as follows,

Case:2 (A)		
Floors	**Player**	**City**
9	Brendon Mccullum	Chennai
8	Faf-duplessis/ Imran Tahir	Kolkata
7	Faf-duplessis/ Imran Tahir	Trivandrum/ Ahmedabad
6	Ambati Rayudu	Delhi
5	Gautam Gambhir	Trivandrum/ Ahmedabad
4	Colin Munro	Mumbai
3	Evin Lewis	Pune
2	Harbajan Singh	Bhubaneswar
	Dwayne Bravo	Bangalore

Explanations:

1.

The following common explanation, we get "Cannot be determined".

Gautam Gambhir lives immediately above the person who likes to play cricket in Mumbai.

Gautam Gambhir likes to play in either Trivandrum/ Ahmedabad

Hence, option E is correct.

2.

The following common explanation, we get "Ambati Rayudu-4th floor, even numbered floor".

Remaining persons live on odd numbered floors.

Hence, option B is correct.

3.

The following common explanation, we get "Cannot be determined".

If Gautam Gambhir likes to play cricket in Trivandrum.

Then Faf-duplessis/Imran Tahir play cricket in Ahmedabad.

Hence, option E is correct.

4.

The following common explanation, we get "Two floors".

Hence, option B is correct.

5.

In the following common explanation, it is clearly shown that Evin Lewis lives between Colin Munro and Harbajan Singh.

Hence, option B is correct.