

Floor 3D

Steps

1. Data Entry 2-3 mins
2. Fill in blanks 2-3 mins

8:20

1d 3-4min
2d 4-6min
3d 6-8-10

30min

CET king



1. Matrix
2. Floor
3. Day
4. Linear
5. Circle
6. Parallel

Type

Data Map

- Signs
- Fixed
- Corner
- Left Right
- 3 places Away!

- Corner
- Fixed
- 2 Cases
- Max Gap
- Max Data
- -ve Data
- Join DM

How to Start

Finishing

- Related Data
- Negating Data
- Pair
- Rest data

Data Map	Code	Meaning
Row Order with me		Seating is read left \leftarrow Me \uparrow \rightarrow right
Row Order against me		Seating is read Right \leftarrow Opp \downarrow \rightarrow Left
Immediate Left	XY ^L	X is immediately to the left of Y
Immediate Right	Y ^R X	X is immediately to the right of Y
Neighbours (any order)	XY'	X and Y are neighbours; order not fixed
Consecutive Triple	XYZ'	X, Y, Z sit together with Y in the middle
Neighbours	xYX	XY not sitting together
k-th Right	X ^R _ _ Y	Y is 3rd to the right of X (k-1 blanks, Y on the right)
k-th Left	Y _ _ X ^L	Y is 3rd to the left of X (k-1 blanks, Y on the left)
Somewhere Before	X...Y	X is somewhere to the left of Y, not adjacent
Corner / End	X ^c	X is at one of the two ends
Faces North	X \uparrow	X faces North
Faces South	X \downarrow	X faces South
Neighbours Opposite	\uparrow X \downarrow '	X's neighbours face opposite directions
Neighbours same	\uparrow X \uparrow '	X's neighbours face same directions
Neighbours Same as X	_ X _ =	X's neighbours face same direction as X
Same Direction Group	A = B = C	A, B, C face same direction
Two-Column Rule		Left column = positions, Right column = directions, etc

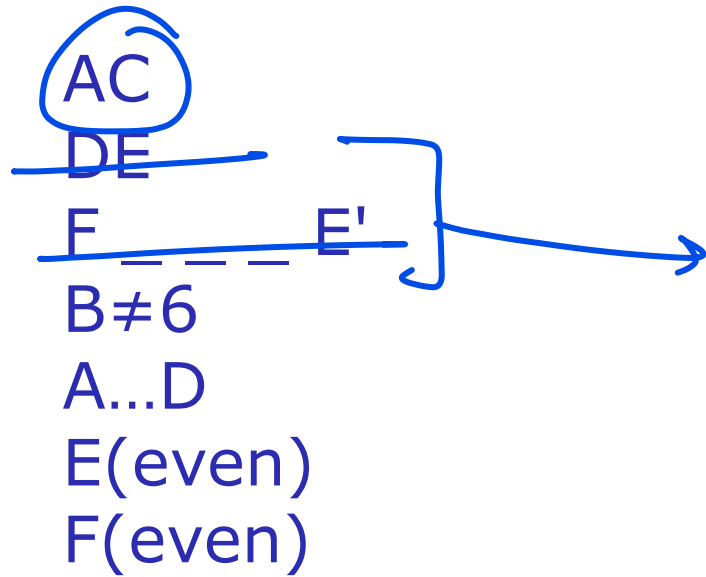
Six persons A, B, C, D, E and F live on six different floors of a building. The ground floor is numbered 1, the floor above it is numbered 2 and so on. C lives on the floor immediately below the floor of A. E lives on the floor immediately below the floor of D. Three persons live between the floors of F and E. B does not live on the topmost floor. A does not live on any of the floors below D. E and F live on even-numbered floors. Who lives on the 5th floor?

D M (Cue)

AC
~~DE~~
~~F~~ ~~E's~~
 B ≠ 6
 A...D
 E(even) ✓
 F(even) ✓

Floor	6	5	4	3	2	1
I	F			D	E	
II	X D	E			F	

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	←					
Floor	6	5	4	3	2	1
I						
II	F			D	E	

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Day / floor

AC
 DE
 F _ _ _ E'
 B ≠ 6
 A...D
 E(even)
 F(even)

Floor	6	5	4	3	2	1
I	E				F	XX
II	F	A	C	D	E	B

Eight people Aarush, Bindu, Chunnu, Divya, Etti, Prithvi, Gopal and Harish live in an eight storey building, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

Aarush lives on an even-numbered floor but not on the floor numbered second or fourth. Only three floors are there between Aarush and Bindu. Only two people live between Chunnu and Etti. Prithvi lives on a floor above Divya. There are equal numbers of floors between the floors on which Etti and Bindu live and between the floors on which Aarush and Etti live. Harish lives immediately below Divya's floor. Gopal lives immediately below Aarush's floor. Prithvi lives on which of the following floors?

$\text{A}^{\text{6,8}}$
 (A (even, $\neq 2, 4$)
 A _ E _ B'
 C _ _ E'
 P ... D
 (B ... E ... A)
 DH
 AG ✓

	A		A					
Floor	8	7	6	5	4	3	2	1
I	A	G	E		B			
II			A	G	E		B	

$\text{A}^{\text{ev 6,8}}$
 (A G E _ B'
 B _ E _ A G) -

Eight people Aarush, Bindu, Chunnu, Divya, Etti, Prithvi, Gopal and Harish live in an eight storey building, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

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A(even, ≠2,4)
 A _ _ _ B'
 C _ _ E' ✓
 P ... D ✓
 B ... E ... A
 DH ✓
 AG

Floor	8	7	6	5	4	3	2	1
I ✓	A	G	E	P	B	C	D	H ✓
IX	X D	H	A	G	E	X	B	C

A D E _ B'

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2nd

2d

A(even, ≠2,4)

A _ _ _ B'

C _ _ E'

P ... D

B ... E ... A

DH

AG

Floor	8	7	6	5	4	3	2	1
I	A	G	E	P	B	C	D	H
II	XX	C	A	G	E	XX	B	C

A D E _ B'

Seven people A, B, C, D, E, F and G live on separate floors of a 7- floor building.

Ground floor is numbered 1, first floor is numbered. 2 and so on until the topmost floor is numbered 7. Each one of these having a different cars-Cadillac, Ambassador, Fiat, Maruti, Mercedes, Bedford and Fargo but not necessarily in the same order.

Only three people live above the floor on which A lives. Only one person lives between A and the one having a car Cadillac. F lives immediately below the one having a car Bedford. The one having a car Bedford lives on an even-numbered floor. Only three people live between the ones having a car Cadillac and Maruti. E lives immediately above C. E is not having a car Maruti. Only two people live between B and the one having a car Fargo. The one having a car Fargo lives below the floor on which B lives. The one having a car Fiat does not live next to D or B. D does not live immediately above or immediately below A. G does not have a car Ambassador. Who own Mercedes ___?

___ A ✓
 A ___ Cad' ✓
 Bed F
 Bed(even)
 Cad ___ Maruti' ✓
 EC; ExMaruti
 B ___ Fargo'
 B ... Fargo
 x Fiat D
 x B Fiat
 x DA
 xAmbass

___ A
 A ___ Cad'
 Cad ___ Maruti'

Floor	7	6	5	4	3	2	1
I				A			
		Mar				Cad	
II				A			
		Cad				Mar	

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Clue →
~~A _ Cad'~~
~~Bed F~~
~~Bed(even)~~
 Cad ___ Maruti'
 EC; ExMaruti
 B __ Fargo'
 B ... Fargo
 x Fiat D
 x B Fiat
 x DA
 AxAmbass

→ A
 --- A
 A _ Cad'
 Cad --- Maruti'

Floor	7	6	5	4	3	2	1
I Peopl		B		A	F		
Car		Cad		Bed	Fay	Maru	
II P		B		A	F		
Car		Maru		Bed	Fay	Cad	

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- ___ A
- A _ Cad'
- Bed F
- Bed(even)
- Cad ___ Maruti'
- EC; ExMaruti
- B _ _ Fargo'
- B ... Fargo
- x Fiat D
- x B Fiat
- x DA
- AxAmbass

- ___ A
- A _ Cad'
- Cad ___ Maruti'

Floor	7	6	5	4	3	2	1
I		B		A	F		
II		B		A	F		
		Maru		Bed		Cad	

Handwritten annotations on the table: Blue circles around 'F' in floor 3, 'F' in floor 4, and 'Fargo' in floor 3. Blue arrows point from 'F' in floor 3 to 'F' in floor 4 and from 'F' in floor 3 to 'Bed' in floor 4. A blue 'x' is written under 'I' in floor 7.

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- ~~A~~
- ~~A _ Cad'~~
- ~~Bed F~~
- ~~Bed(even)~~
- ~~Cad _ _ _ Maruti'~~
- ~~EC ExMaruti~~
- ~~B _ _ Fargo~~
- ~~B _ _ Fargo~~
- ~~x Fiat D~~
- ~~x B Fiat~~
- ~~x DA~~
- AxAmbass

_ _ _ A
 A _ Cad'
 Cad _ _ _ Maruti'

Floor	7	6	5	4	3	2	1
I	D	B	G	A	F	E	C
		Cad		Bed	Frgo	Maru	Fiat
II	D	B	G	A	F	E	C
	Amb	Maru	Merc	Bed	Frgo	Cad	Fiat



2d



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_ _ _ A
 A _ Cad'
 Bed F
 Bed(even)
 Cad _ _ _ Maruti'
 EC; ExMaruti
 B _ _ Fargo'
 B ... Fargo
 x Fiat D
 x B Fiat
 x DA
 GxAmbass

_ _ _ A
 A _ Cad'
 Cad _ _ _ Maruti'

Floor	7	6	5	4	3	2	1
XX	D	B	G	A	F	E	C
XX	XX	Cad	XX	Bed	Frgo	Maru	Fiat
II	D	B	G	A	F	E	C
	Amb	Maru	Merc	Bed	Frgo	Cad	Fiat

Eight People – A, B, C, D, E, F, and G live in eight different floors of building with one of the floors in the building is vacant. Each one of them also owns a different brands of laptops, namely Lenovo, Dell, HP, Samsung, Apple, Asus and TOSHIBA (but not necessarily in the same order). The number of people living above F is same as the number of floors between F and D. F lives an odd numbered floor above the floor numbered four. Only one person lives between B and the one who owns Samsung. Only three floors between D and the one who owns Apple. The one who owns Asus lives immediately above G, G owns neither Apple nor HP. E does not own Asus. G lives on the 4th floor above A. The one who owns TOSHIBA lives immediate above owner of Lenovo C lives an one of the odd numbered floors above the one who owns Apple. The number of floors between F and the one who owns DELL is only one. Only one person lives between the one who owns TOSHIBA and the vacant floor. Only two people live between C and vacant floor. Which floor Vac?

- F(odd 5,7)
- ... (F) = F ... D
- B _ Samsung
- D _ _ _ Apple
- Asus G
- GXApple GxHP ExAsus
- G _ _ _ A
- F _ Dell
- Toshiba Lenovo
- C(odd) ... Apple
- Toshiba _ Vacant
- C _ _ Vacant

Floor	8	7	6	5	4	3	2	1
I		C		F				D
				Apple				
II		F ^d		D		C ^d		
				dell				Apple

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... F ... D
 D ___ Apple
 Codd... Apple
 C__ Vacant'

~~F(odd 5,7)~~
~~...(F) = F ...D~~
 B _ Samsung'
~~D ___ Apple'~~
 Asus G ✓
 GXApple GxHP ExAsus ✓
 G ___ A ✓
~~F _ Dell'~~
 Toshiba Lenovo
~~C(odd) ... Apple~~
 Toshiba _ Vacant' ✓
~~C __ Vacant~~

Floor	8	7	6	5	4	3	2	1
I		C	G	F	-		A	D
		Asus		Appl		dell	Tos	leno
II	G	F	-	D	A	C		
				Dell				Appl



~~Asus~~

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... F ... D
 D ___ Apple
 Codd... Apple
 C ___ Vacant'
 Asus G ___ A

F(odd 5,7)
 ...(F) = F ...D
 B _ Samsung'
 D ___ Apple'
 Asus G
 GXApple GxHP ExAsus
 G ___ A
 F _ Dell'
 Toshiba Lenovo
 C(odd) ... Apple
 Toshiba _ Vacant'
 C ___ Vacant'

Floor	8	7	6	5	4	3	2	1
I	B	C	G	F	—	E	A	D
	HP	Asus	Sag	Appl		Dell	Tosh	Leno
II	G	F	-	D	A	C		
Asus	XX			Dell		Tosh	Leno	Appl

