1. Linear 2. Cixcular Left

N Right 1 BA



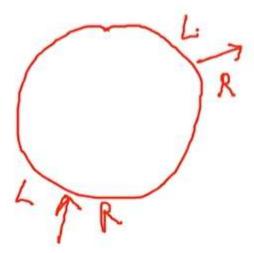
## Data Arrangements and Blood Relations

Right & Left

Suganth Singaravelu







# Data Arrangements and Blood Relations

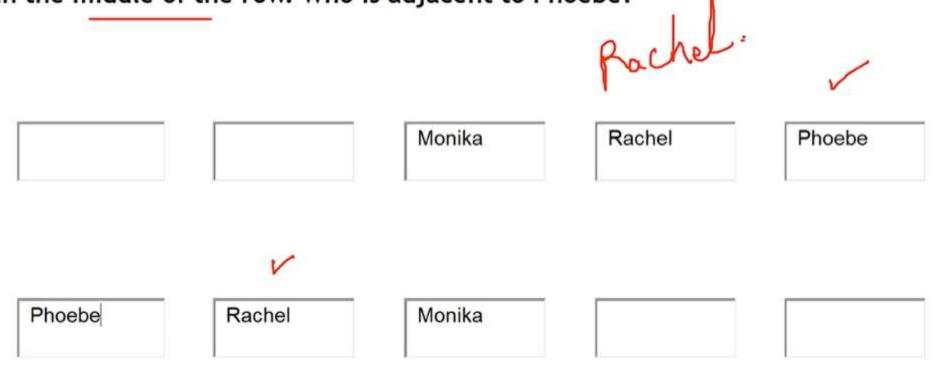
Suganth Singaravelu



#### 1.50

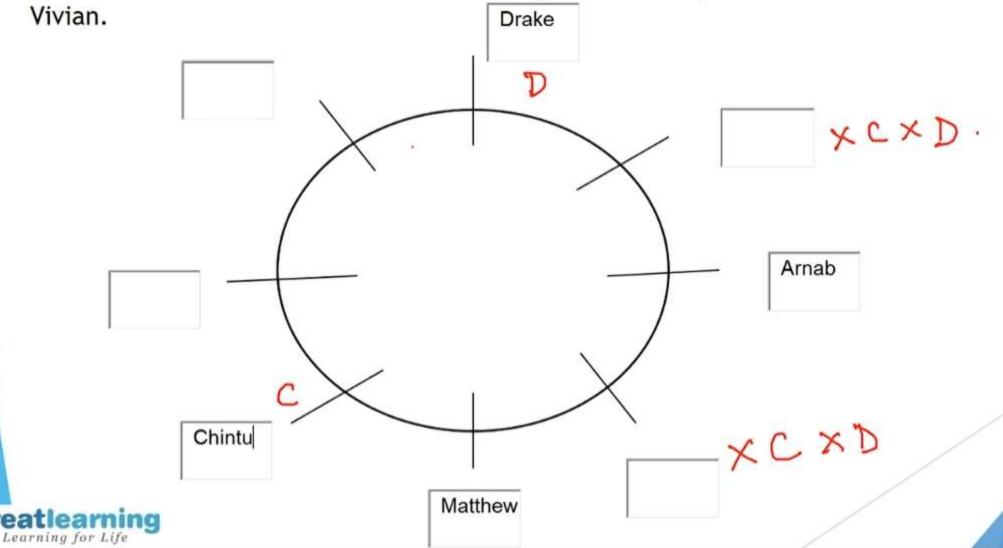
## Example

5 friends are standing in a row. Rachel is not adjacent to Chandler or Ross. Phoebe is not Adjacent to Chandler, Rachel is adjacent to Monika. Monika is in the middle of the row. Who is adjacent to Phoebe?

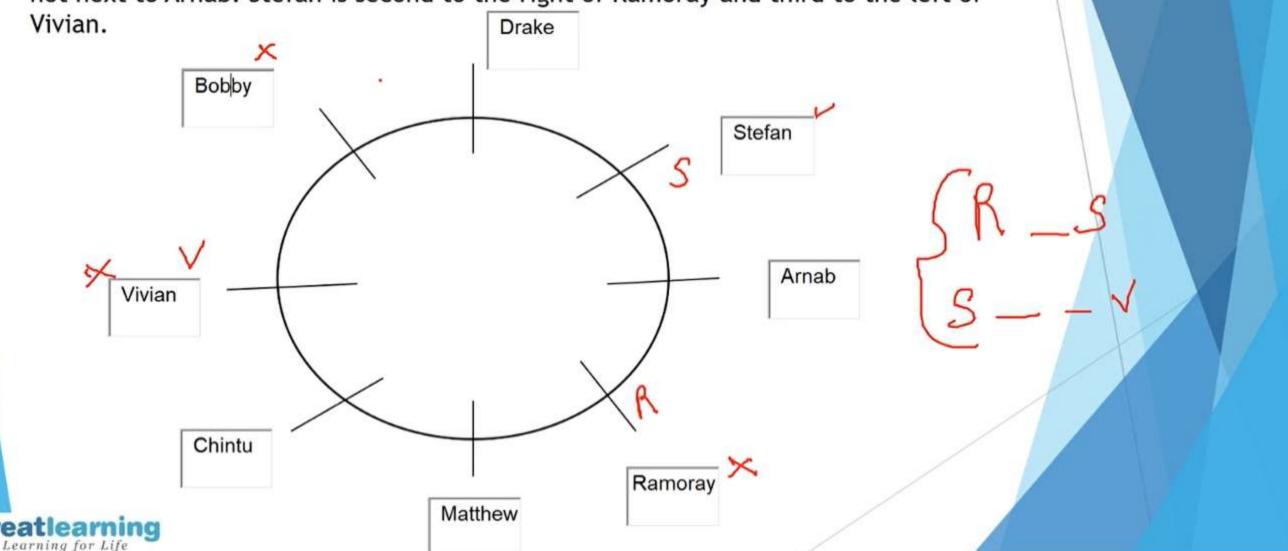




Eight friends Arnab, Bobby, Chintu, Drake, Ramoray, Stefan, Vivian and Matthew are sitting around a circular table facing the centre. Arnab is second to the right of Matthew, but is not a neighbour of Chintu. Drake is third to the left of Chintu but is not next to Arnab. Stefan is second to the right of Ramoray and third to the left of Vivian.

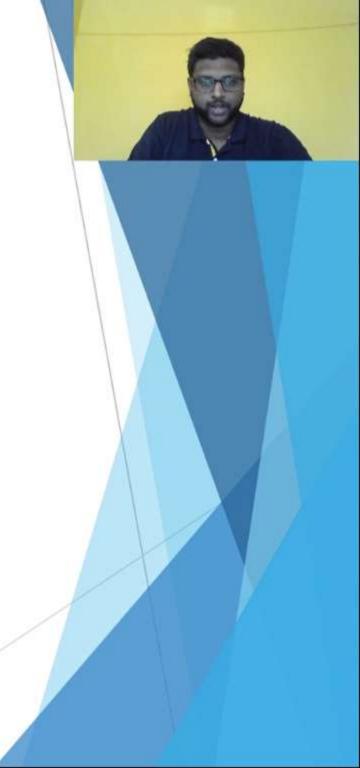


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#### Who is second to the left of Matthew?

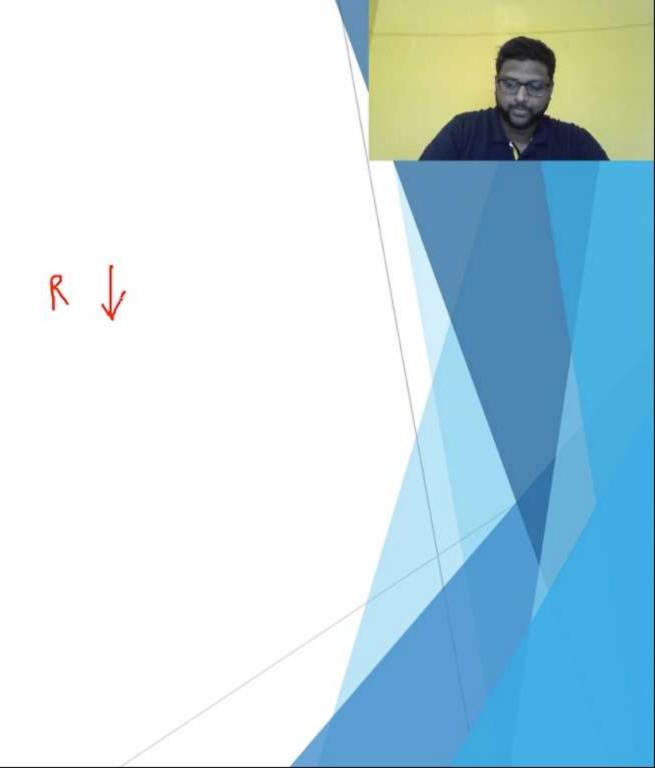
- a) Vivian
- b) Stefan
- c) Drake
- d) Cannot be determined





### Who is to the immediate right of Drake?

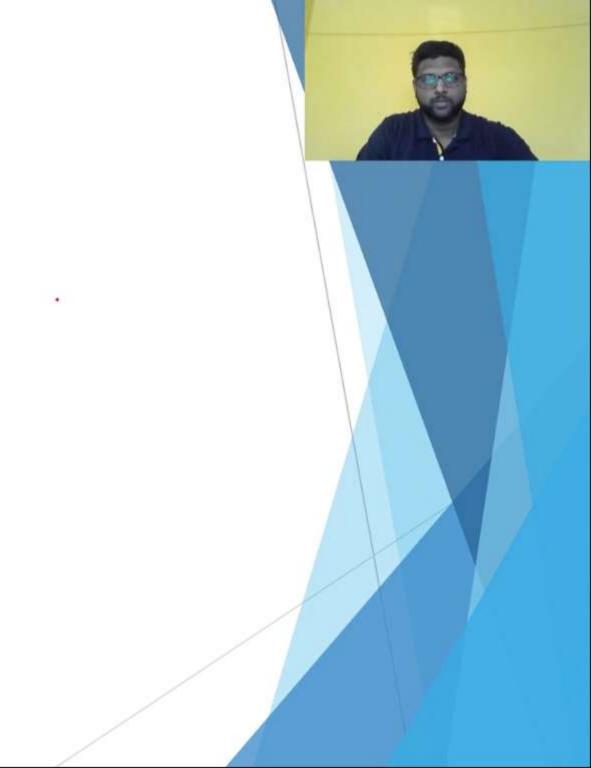
- a) Ramoray
- b) Bobby
- c) Chintu
- d) Arnab





### Who is sitting opposite to Ramoray?

- a) Stefan
- b) Vivian
- c) Matthew
- d) Bobby





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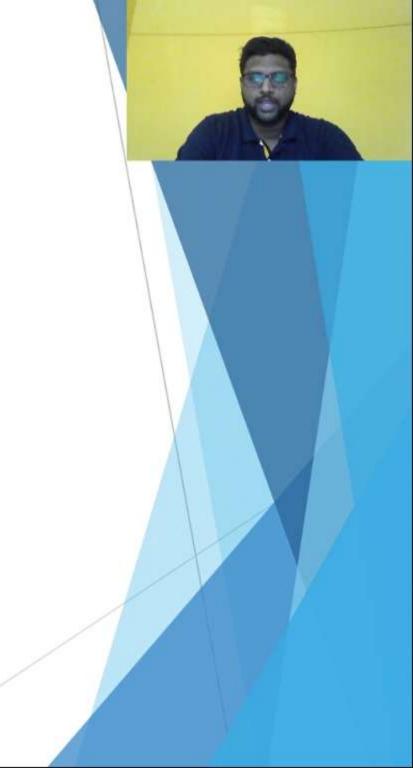
Eight Candidates S, T, U, V, W, X, Y and Z of different location - Bangalore, Gurgaon and Hyderabad. They enrolled for different program in GL - AI, Machine Learning, DSE, Cloud Computing, Cyber Security, Design Thinking, Software Designing and Digital Marketing. At least 2 of them are from Bangalore. W from Hyderabad, enrolled for Cloud computing. The candidate who is from Gurgaon enrolled for Machine Learning. T and Z are from the same location. Only 3 candidates are from Gurgaon. Candidate who enrolled for Design thinking is not from Bangalore. S is from Hyderabad and Y enrolled for Software designing. T is neither from Gurgaon nor from Hyderabad. X and Y are from same location. V enrolled for Machine learning. U is from the same place as of S. One candidate from Gurgaon enrolled for Cyber Security whereas S enrolled for DSE.

Janagar - Auchine - Cyber Toz- some location X14x Design X BLR

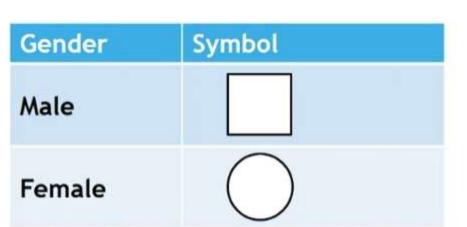
Candidates	Course	Location
S	Dse	HYD
Т	AI / DM	BLR
U	Design	HYD
V	Machine learning	GUR
w	Cloud Computing	HYD
X	Cyber	GUR
Υ	Software designing	GUR
Z	AI / DM	BLR



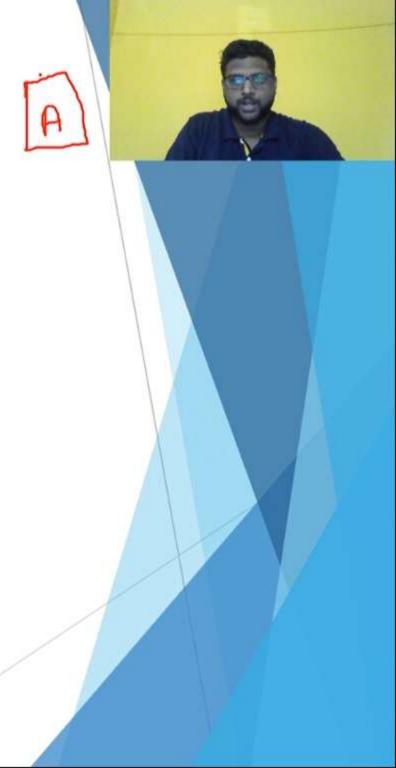
## **Blood Relations**



### Gender



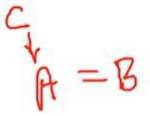
Assumption #1: The gender of a person has to be one of the two genders, Male or Female.

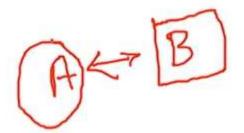






### Relations

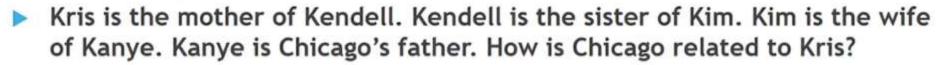




Relations	Symbol
Sibling	
Spouse	←→
Child	

- ► Assumption #2: Common parents ←→ Common children
- Assumption #3: A couple must have two persons of opposite gender

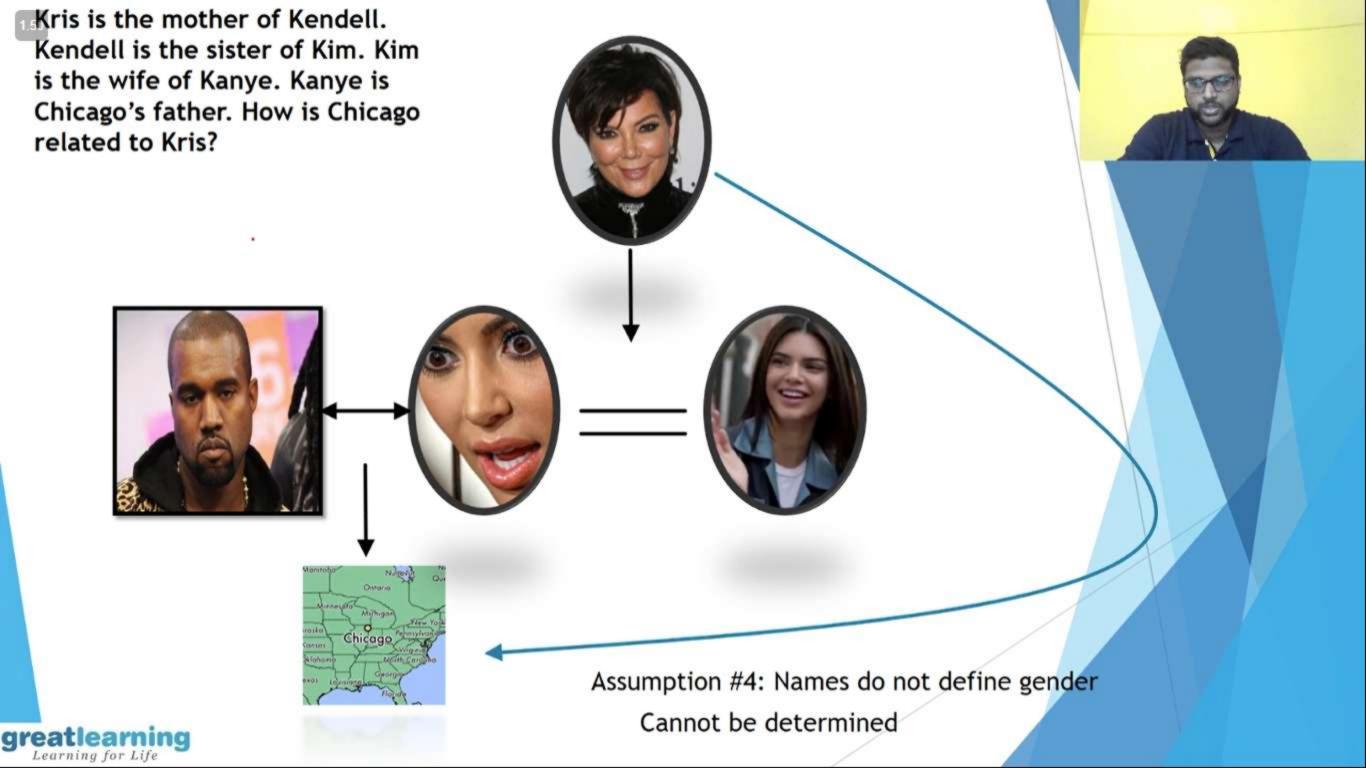


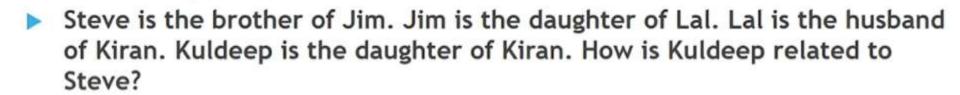


- A. Grand daughter
- B. Grand mother
- c. Grand son
- D. Cannot be determined





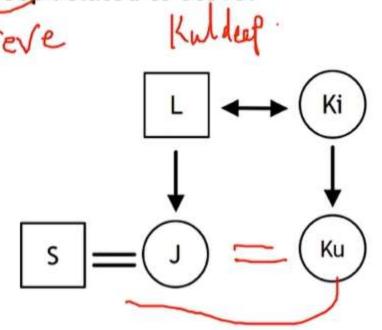




- A. Brother
- B. Sister
- c. Uncle
- D. Aunt

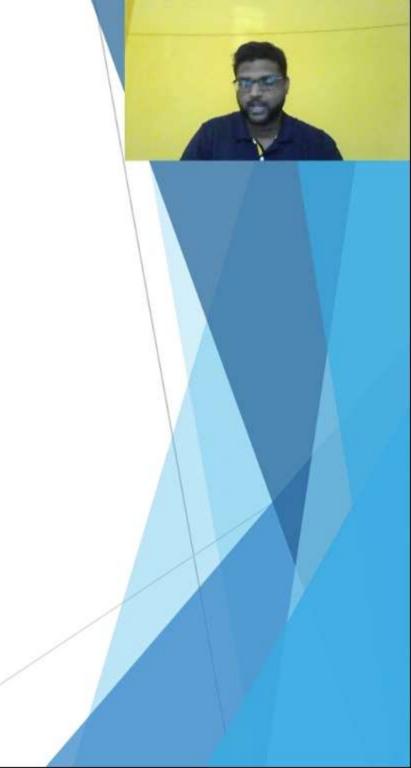


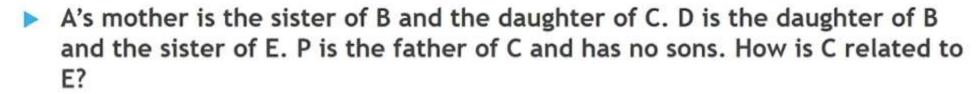
Steve is the brother of Jim. Jim is the daughter of Lal. Lal is the husband of Kiran. Kuldeep is the daughter of Kiran. How is Kuldeep related to Steve?







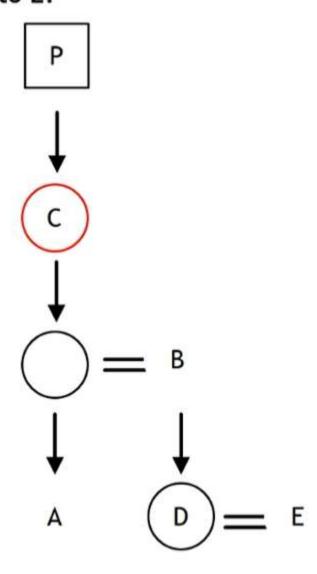




- A. Father
- B. Grandmother
- c. Grandfather
- D. Cannot be determined



A's mother is the sister of B and the daughter of C. D is the daughter of B and the sister of E. P is the father of C and has no sons. How is C related to E?







Pointing to a Jack's wife, Sam said to her son, "She is the sister of the father of my mother's son." How is Jack related to Sam's son?

- A. Uncle
- B. Nephew
- c. Grandfather
- D. None of these





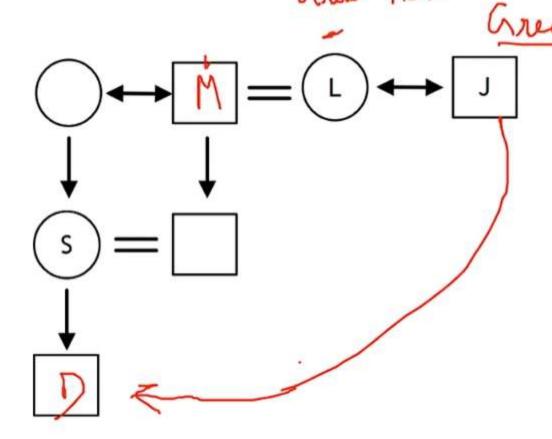
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Great Unde Creat arond other - creat Great under Crandfather - Creat unde Father = Unde Wrand Son

Creat Creand Son

Great Grand Son

None of these



5 sec

Coded

Blood

Relation.

If A \* B means A is the mother of B; A # B means A is the brother B; A @ B means A is the father of B and A \$ B means A is the sister of B, which of the following shows that J is the maternal uncle of K?

K#N\*M\$J J\*S\$N#K C. J#M\*N\$K Paternal are of K?

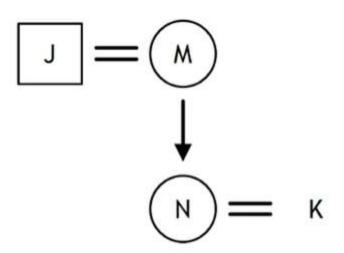
Paternal are others side.

Couples.

A B B means

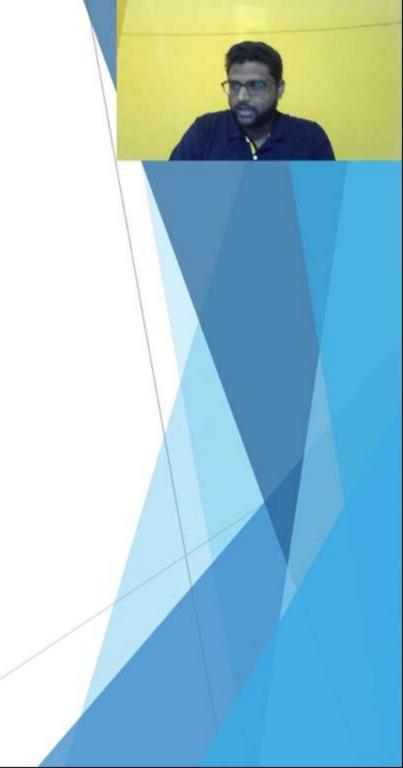
Aibrother of B

If A \* B means A is the mother of B; A # B means A is the brother B; A @ B means A is the father of B and A \$ B means A is the sister of B, which of the following shows that J is the maternal uncle of K?



C. J # M \* N \$ K



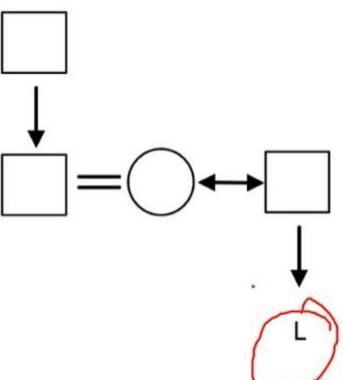


Introducing Prasad, Lakshmi says, "He is my father's brother-in-law's father's only daughter's child. And my father is the only child my grandparents have." How is Lakshmi related to Prasad?

- A. Mother
- B. Sister
- c. Daughter
- D. Cannot be determined







Cannot be determined

Introducing Prasad, Lakshmi says, "He is my father's brother-in-law's father's only daughter's child. And my father is the only child my grandparents have." How is Lakshmi related to Prasad?

