2020 Finals Program 4: Family Tree Senior Division

TEST INPUT (shown in 3 columns):

10 10 Pat Rich Robin Dale Rich Jo Pat Robin Pat Robin Sam Rich Sam Rich Pat Quinn Pat Rich Pat Quinn Robin Dale Robin Bobby Robin Bobby Noel Bobby Noel Bobby Jo Lynn Jo Lynn Quinn Max Rich Jo Quinn Max 2 3 Sam Lynn Quinn Lynn Bobby Sam Lynn Sam Dale Jo

Zion Pat Zion Rich Rich Hayden Pat Max Logan Pat Zion Wyatt Wyatt Quinn Quinn Robin Terry Max Hayden Alex Alex Noel Faith Robin Quinn Kaden Max Jesse Robin Brook Sam Noel Max Dale Sam Emory Quinn Val Noel Gabriel 5 Val Robin Rich Emory Jesse Wyatt Dale Robin

Pat Kaden

20

TEST OUTPUT:

- 1. great-grandchild
- 2. grandparent
- 3. grandnibling
- 4. great-grandparent
- 5. cousin

- 6. sibling
- 7. great-grandchild
- 8. grandpibling
- 9. second cousin
- 10. grandnibling

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SAMPLE INPUT for HackerRank:	SAMPLE OUTPUT
4	
Moe Lisa	
Moe Dick	
Ella Lisa	
Ella Mike	
Ella Moe	1. spouse
14	
Sam Len	
Sam Moe	
Faith Moe	
Sam Ken	
Faith Stan	
Moe Lisa	
Moe Dick	
Moe Mike	
Ella Lisa	
Stan Mia	
Stan Joe	
Lisa Max	
Rich Max	
Mia Carl	
Dick Max	2. nibling
14	
Ella Lisa	
Mia Carl	
Ella Dick	
Lisa Max	
Faith Ken	
Rich Max	
Sam Ken	
Moe Lisa	
Sam Stan	
Stan Mia	
Sam Moe	
Faith Len	
Ella Mike	
Stan Joe	
Rich Ella	3. parent
	=

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TEST INPUT for HackerRank:

10 Quinn Kaden Zion Wyatt Pat Rich Max Jesse Quinn Robin Rich Jo Robin Brook Terry Max Pat Robin Sam Noel Sam Emory Sam Rich Max Dale Zion Rich Pat Quinn Sam Emory Hayden Alex Robin Dale Quinn Val Noel Gabriel Robin Bobby Noel Gabriel Sam Noel Noel Bobby Val Robin Faith Robin Jo Lynn 20 Quinn Kaden Quinn Max Robin Dale Max Jesse Sam Lynn Pat Robin Zion Pat 10 Sam Rich Wyatt Quinn Robin Dale Kris Andy Robin Brook Pat Robin Stacy Lynn Sam Noel Sam Rich Pat Quinn Val Logan Max Lee 15 Val Jordan Pat Rich Pat Rich Rich Jo

Pat Quinn Pat Rich Robin Bobby Noel Bobby Robin Bobby Pat Robin Jo Lynn Quinn Max Sam Rich Quinn Max Noel Bobby Pat Quinn Rich Jo Jo Lynn Robin Dale Max Noel Rich Jo Robin Bobby 20 Izzy Max Noel Bobby Zion Pat Sam Taylor Jo Lynn Zion Rich Val Jo Quinn Max Rich Hayden Dale Andy Casey Jo Pat Max Izzy Casey Bobby Kris

Logan Pat Lynn Jamie Alex Max Zion Wyatt Noel Andy Jo Jesse Wyatt Quinn 20 Val Kris Quinn Robin Quinn Val Lynn Noel

Terry Max Rich Hayden 15

Hayden Alex Pat Max Pat Rich Robin Dale Alex Noel Max Dale Faith Robin Logan Pat Rich Jo

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Noel Bobby Kris Andy Alex Kaden

Jo Lynn Stacy Lynn Robin Bobby Pat Quinn Quinn Max Max Lee Pat Robin Val Jordan Casey Jo Pat Rich Sam Rich Robin Bobby Pat Kris Quinn Max Bobby Kris Noel Bobby Alex Max Jo Lynn Pat Quinn Rich Jo Jo Jesse Izzy Max

Kris Noel Sam Taylor 20 Val Jo

Zion PatDale AndyZion RichIzzy CaseyRich HaydenLynn JamiePat MaxJordan Casey

Logan Pat 20

Zion Wyatt Rich Hayden Wyatt Quinn Sam Emory Quinn Robin Pat Max Terry Max Quinn Robin Hayden Alex Logan Pat Alex Noel Zion Wyatt Faith Robin Wyatt Quinn Quinn Kaden Terry Max Max Jesse Hayden Alex

Alex Noel Robin Brook Sam Noel Zion Pat Max Dale Faith Robin Sam Emory Quinn Kaden Quinn Val Max Jesse Noel Gabriel Zion Rich Wyatt Sam Robin Brook 20 Sam Noel Robin Dale Max Dale Pat Robin Quinn Val

Noel Gabriel

Sam Rich

TEST OUTPUT:

- 1. great-grandchild
- 2. pibling3. sibling
- 4. grandchild5. great-grandparent
- 6. grandpibling7. grandparent8. grandnibling
- 9. cousin
- 10. second cousin