

# Lesson 7

Graphs: centrality

Activity

# Most important island?

**Here is a list of trade routes in the Southern Lau islands.  
Which island(s) appear to be the most important?**

Lakemba — Aiwa  
Aiwa — Oneata  
Aiwa — Olorua  
Oneata — Mothe  
Oneata — Komo  
Olorua — Komo  
Komo — Mothe  
Komo — Namuka  
Komo — Wangava

Mothe — Namuka  
Mothe — Ongea  
Mothe — Fulanga  
Mothe — Wangava  
Wangava — Kambara  
Wangava — Namuka  
Namuka — Fulanga  
Namuka — Ongea

# Most important family?

**Here is a record of the marriages amongst prominent Florentine families in the early 15th century Renaissance Italy.**

- **Which two families seem the most important?**
- **What relationships do these two families have with each other?**

Pe. — Ca.

Pe. — St.

Pe. — Be.

Ca. — St.

Ca. — Ba.

St. — Be.

St. — Ri.

Be. — Gu.

Ba. — Ri.

Ba. — Me.

Ri. — To.

Gu. — La.

Gu. — Al.

Al. — Me.

Al. — Gi.

Me. — Ac.

Me. — Sa.

Me. — To.

Sa. — Pa.

# Activity Answers

# Most important family?

- Which two families seem the most important?
- What relationships do these two families have with each other?

Pe. — Ca.  
Pe. — St.  
Pe. — Be.  
Ca. — St.  
Ca. — Ba.  
St. — Be.  
St. — Ri.  
Be. — Gu.  
Ba. — Ri.  
Ba. — Me.

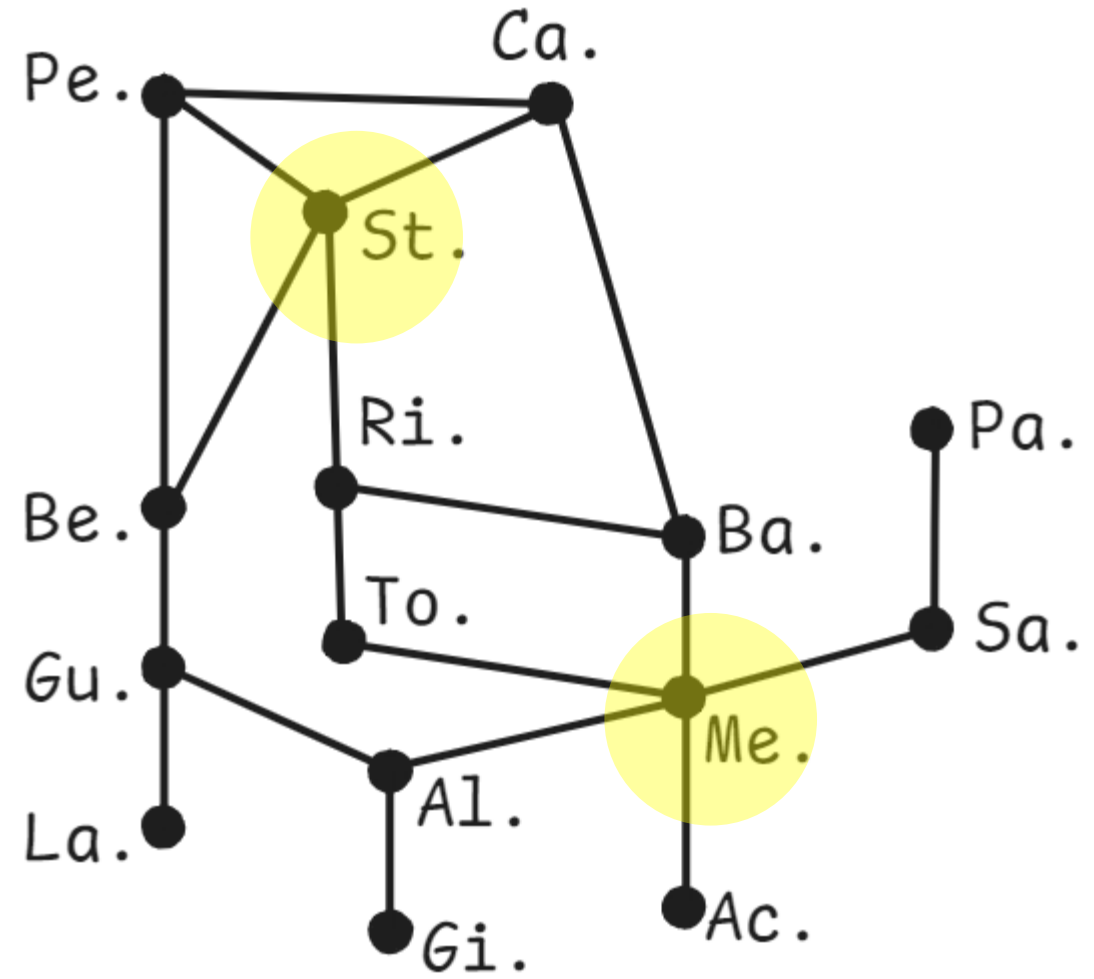
Ri. — To.  
Gu. — La.  
Gu. — Al.  
Al. — Me.  
Al. — Gi.  
Me. — Ac.  
Me. — Sa.  
Me. — To.  
Sa. — Pa.

# Most important family?

- Which two families seem the most important?
- What relationships do these two families have with each other?

Me. = Medici

St. = Strozzi



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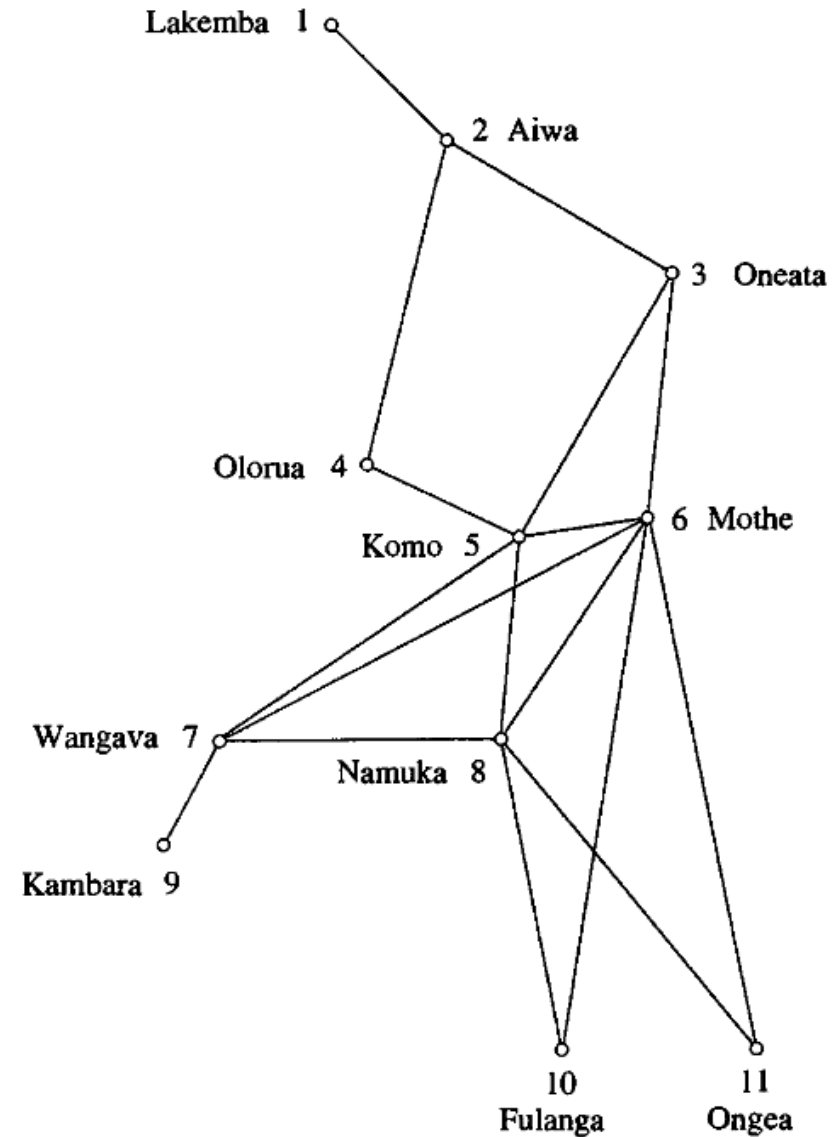


Figure 6.2. The graph of the southern Lau trade network.

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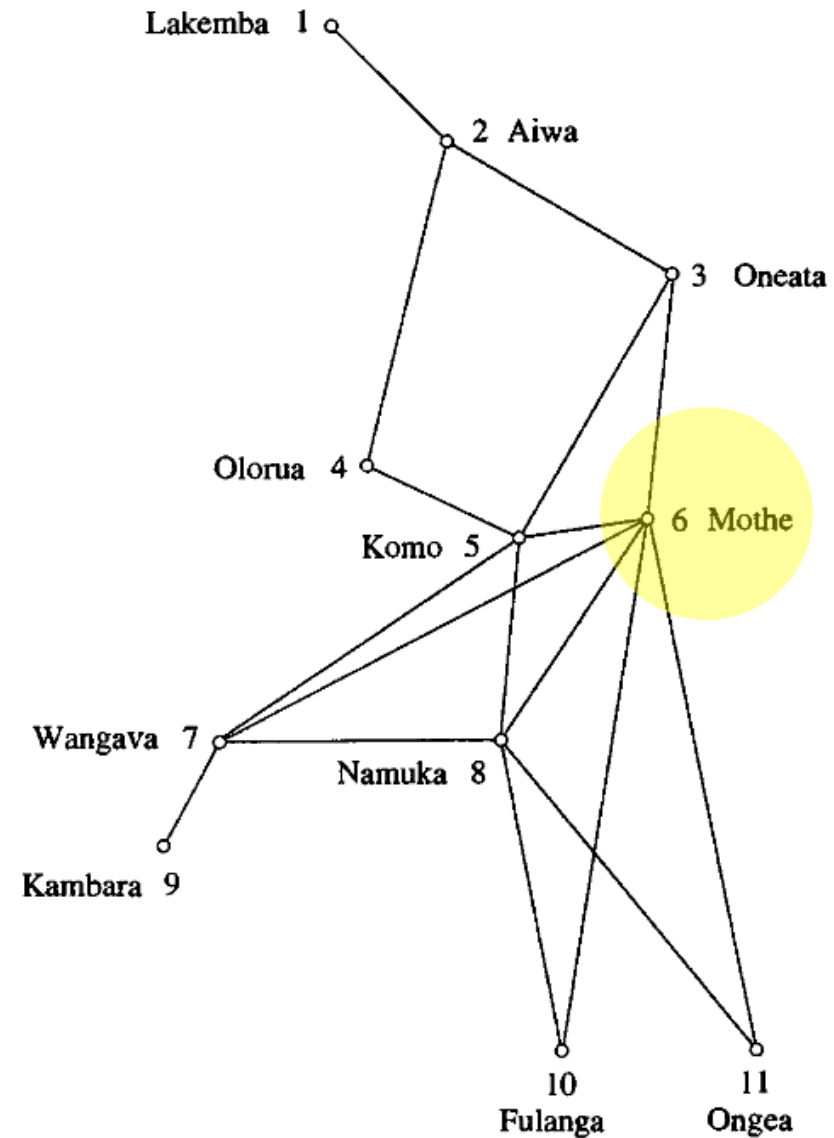


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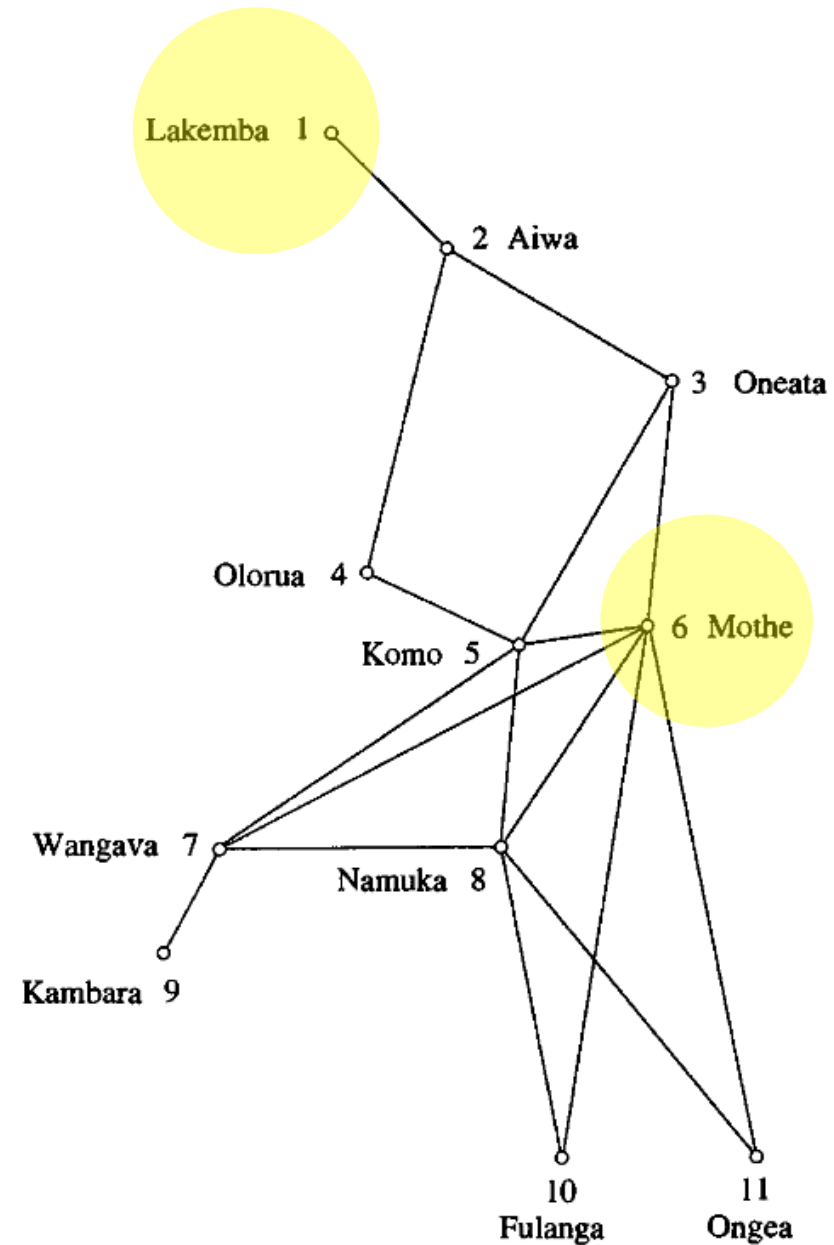


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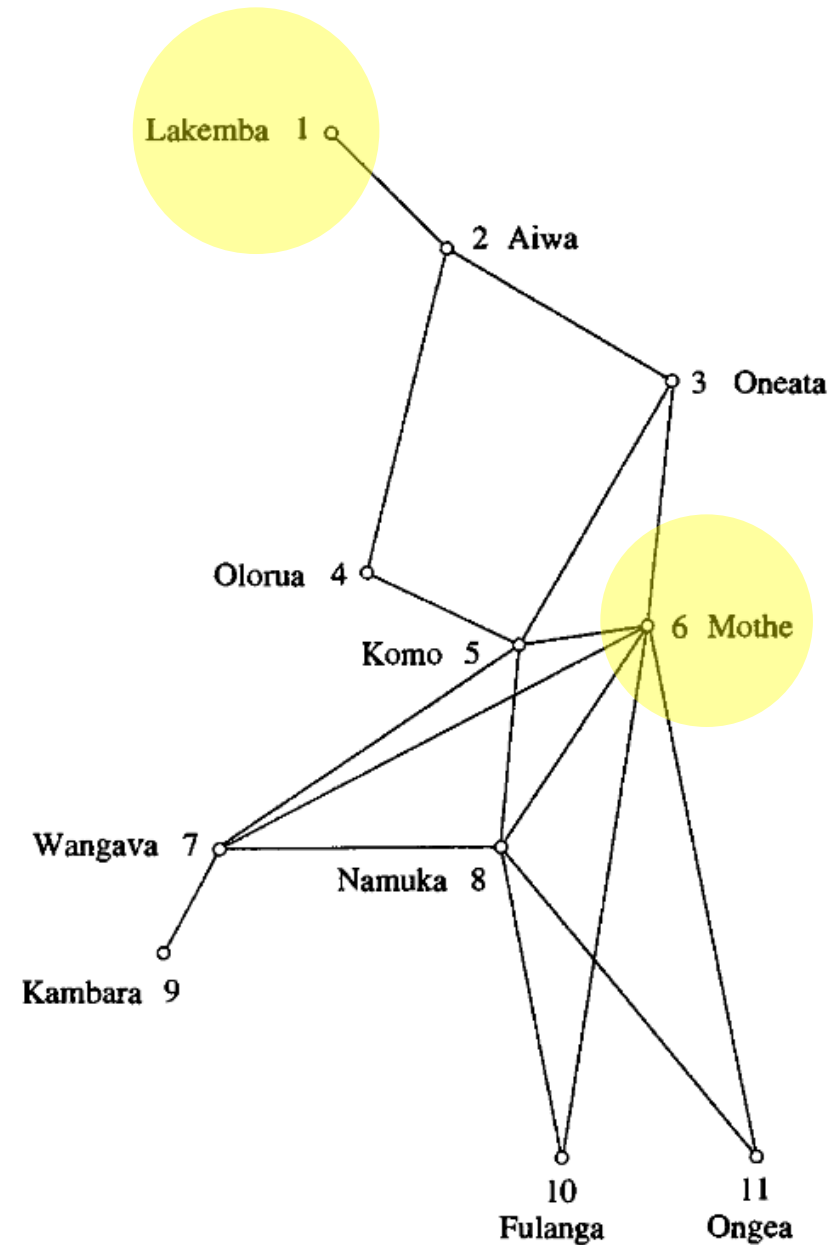


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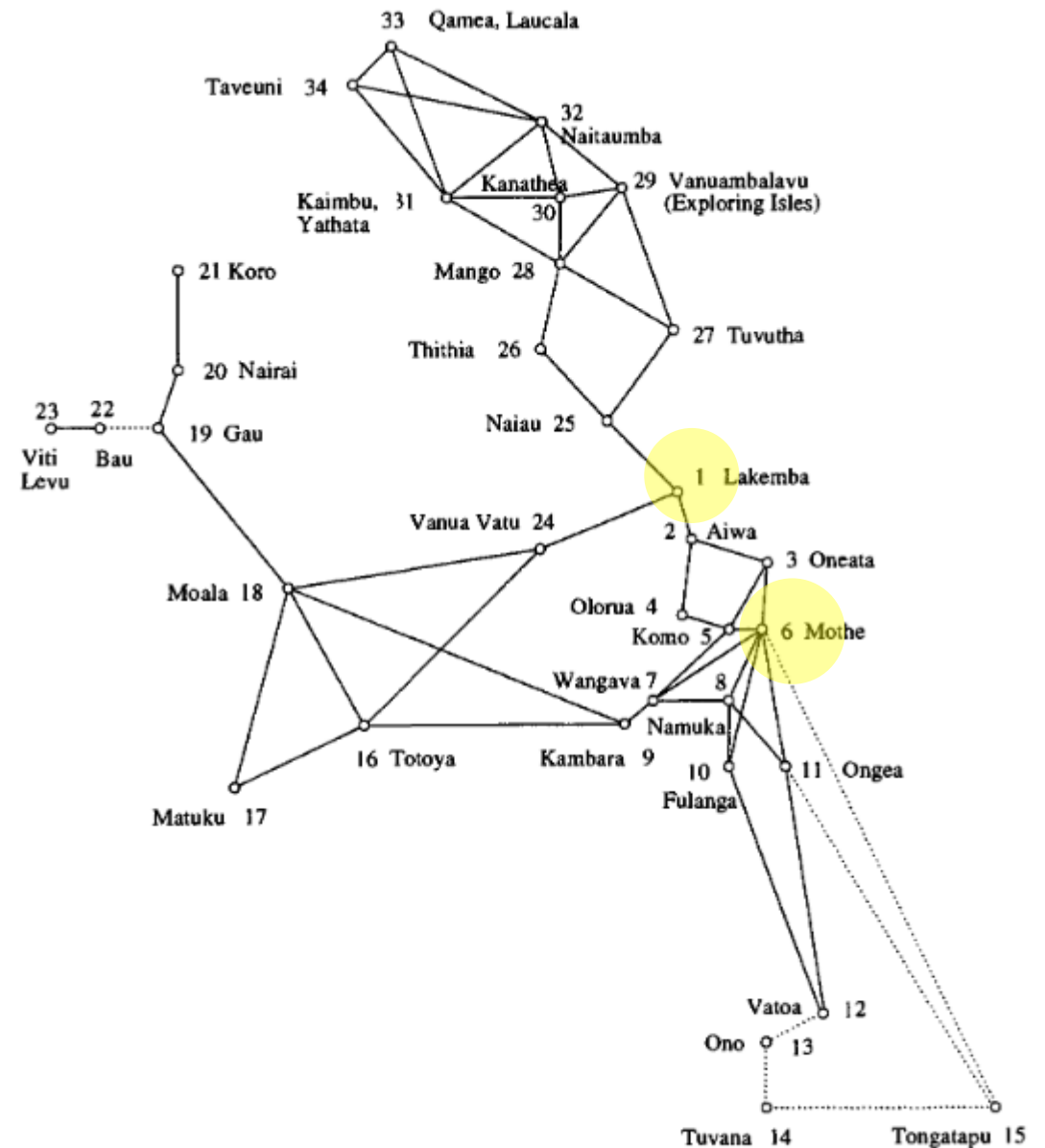


Figure 6.3. A graph of the Greater Lauan trade network.

# Most important island?

Here is a list of trade routes in the **Southern Lau islands**. Which island(s) appear to be the most important?

Removing Lakemba disconnects the trade network.

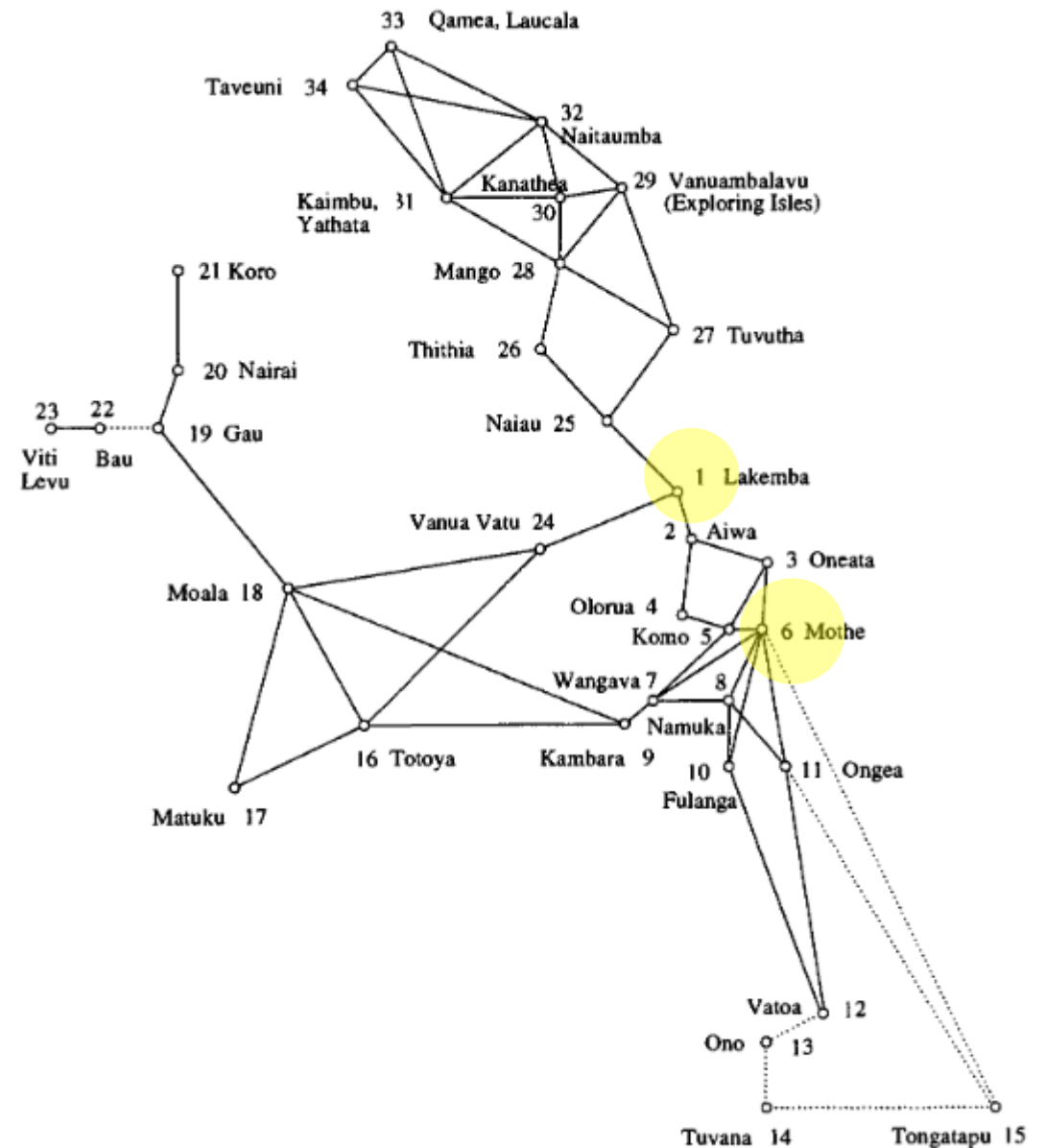


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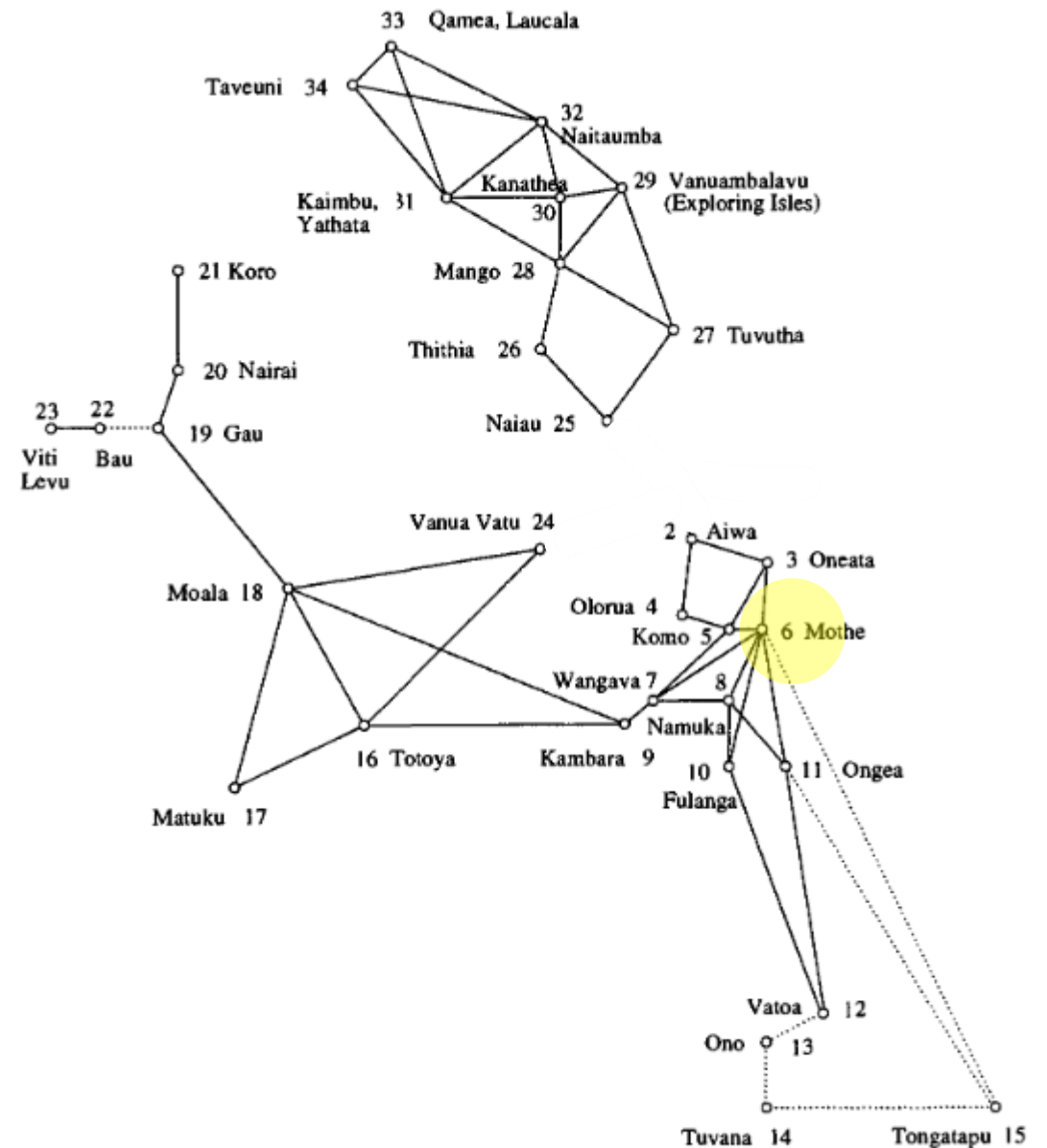


Figure 6.3. A graph of the Greater Lauan trade network.