

# Power BI

## Component

- Ⓐ Report View
- Ⓑ Table View
- Ⓒ Model View
- Ⓓ DAX Query View
- Ⓔ Power Query Editor
- Ⓕ Visuals



## Power Query Editor

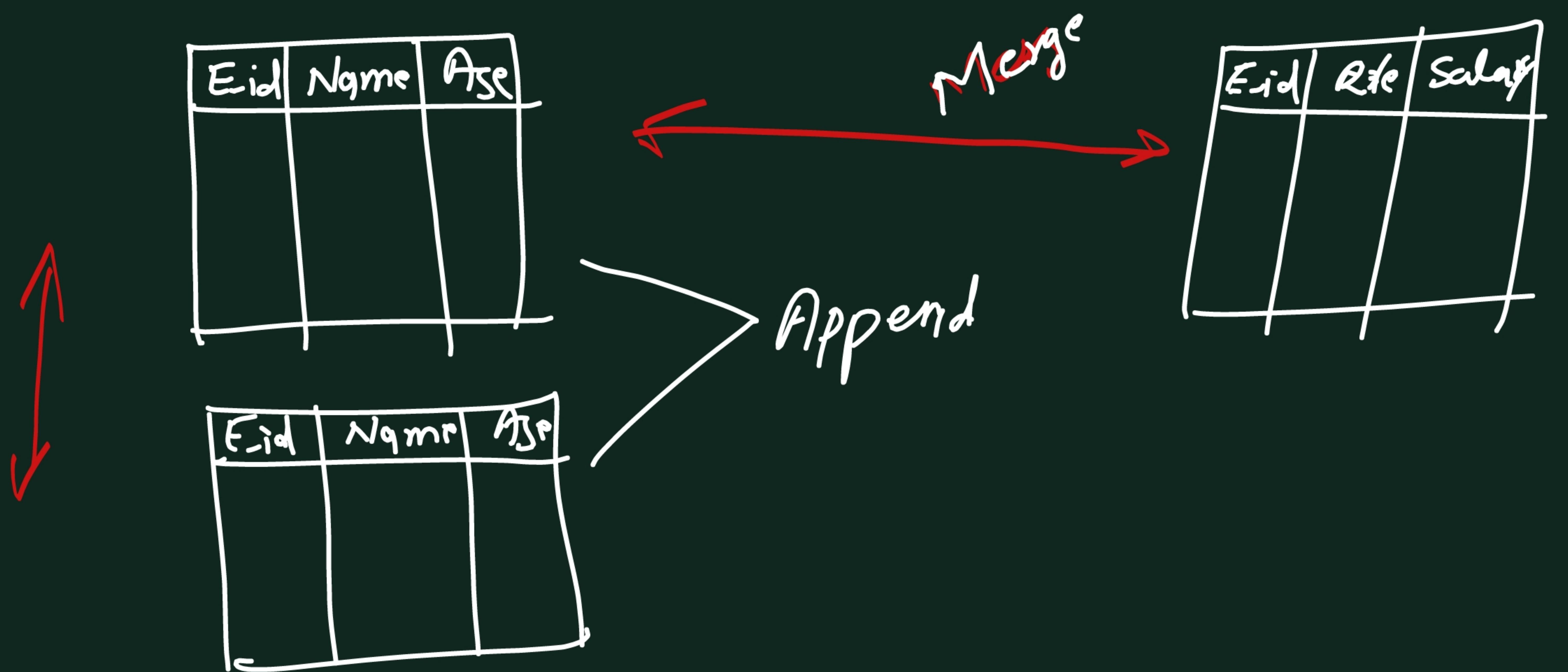
- ↳ Data transformation / Cleaning
  - Ⓐ Rename / Add / Delete / Datatype
  - Ⓑ Duplicate / Null
- Ⓒ Column Operation
  - split
  - Extract
  - Conditional
  - String property

# Working with multiple datasources/tables

① Combining Data → Power Query Editor

② Modeling Data → Model View

Merge (Horizontal) ↔  
Append (Vertical) ↑



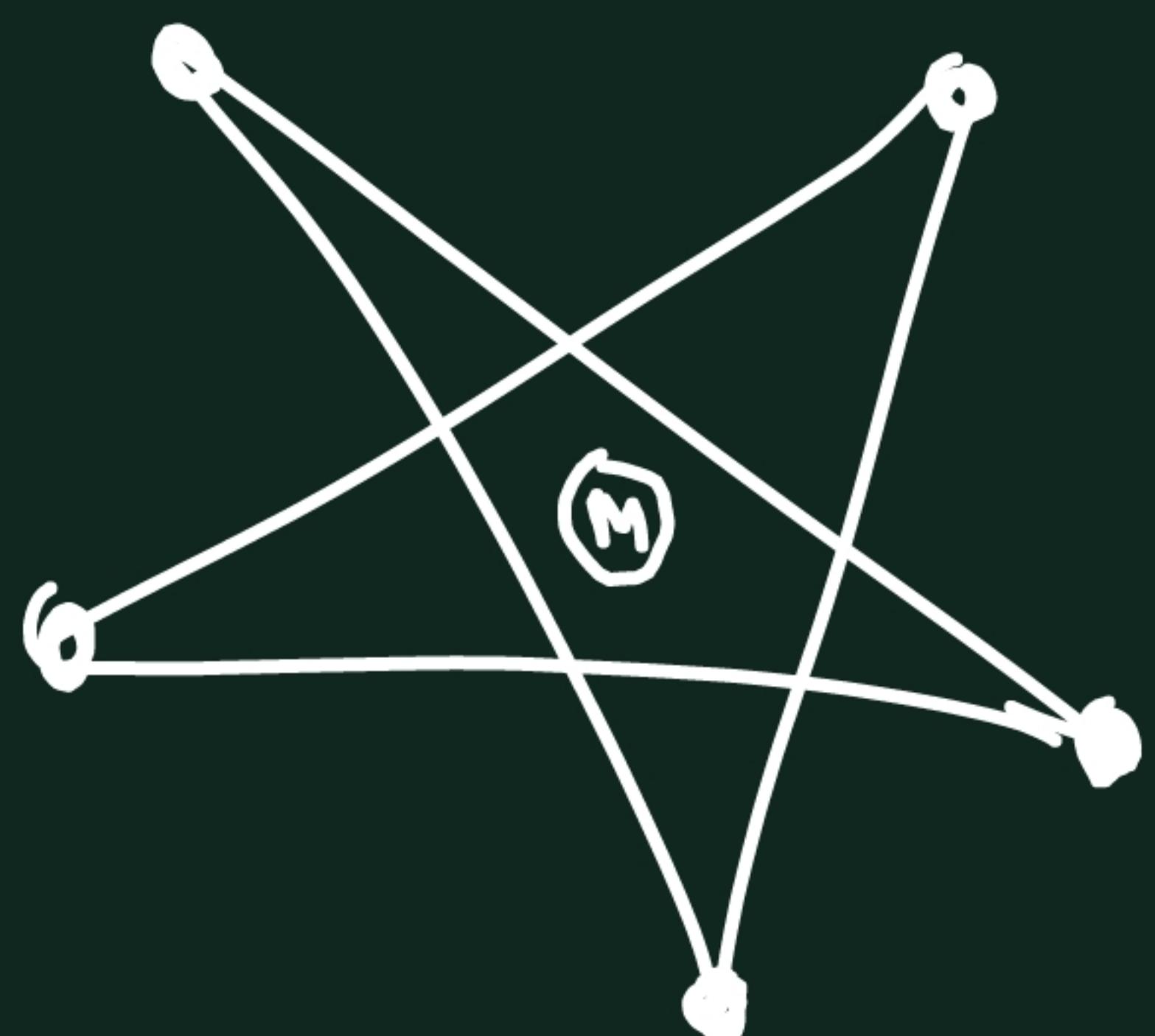
- Step1 : Go to Merge (Home)  
Step2 : Select tables  
Step3 : Select Columns  
Step4 : OK  
Step5 : Click on double head arrow to get required col.

## ② Model View

⇒ Creating relationships b/w tables

⇒ Types of data modeling/schema

a) Star Schema



b) Snowflake Schema



### Table Types

① Fact (Main)

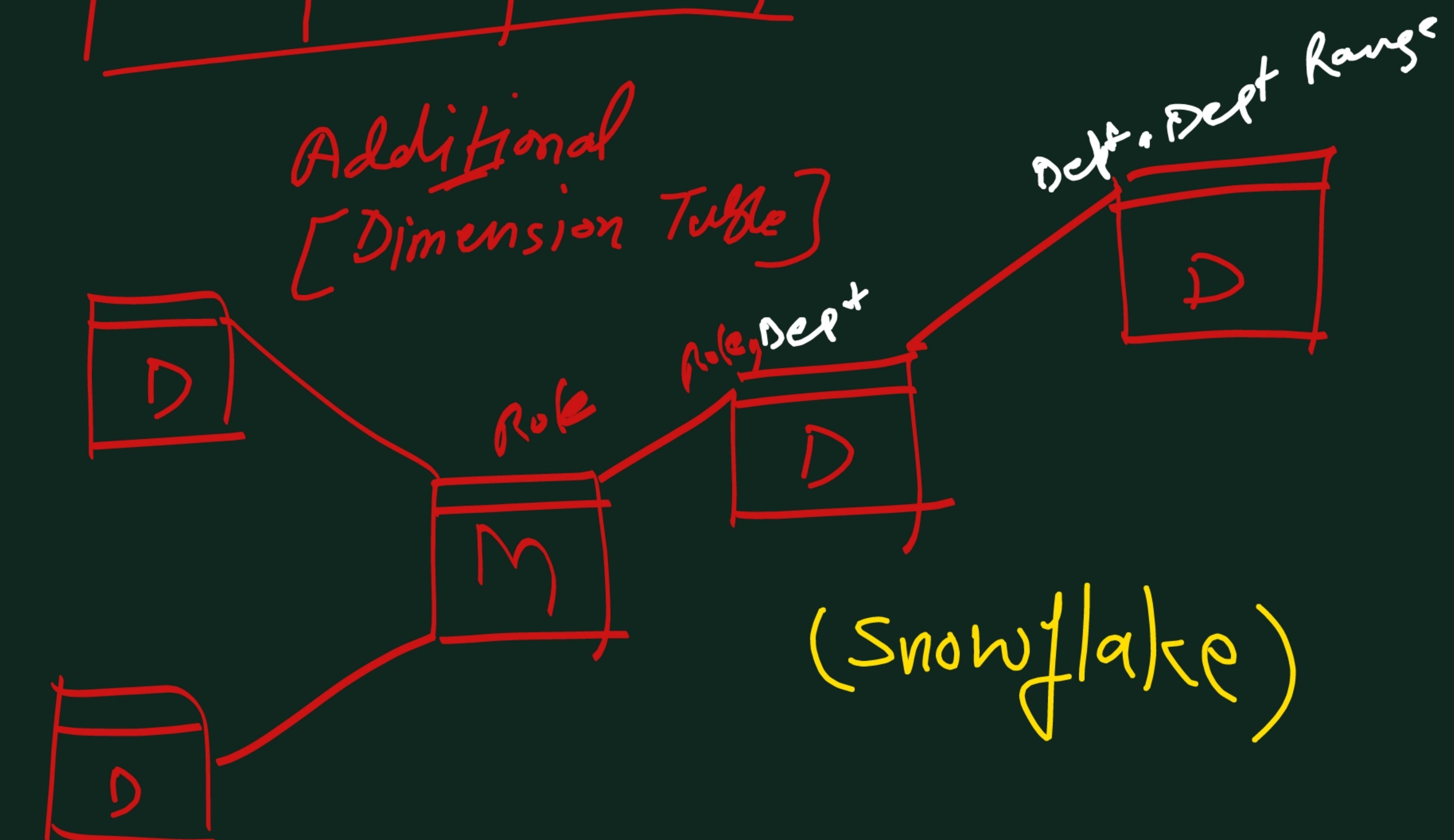
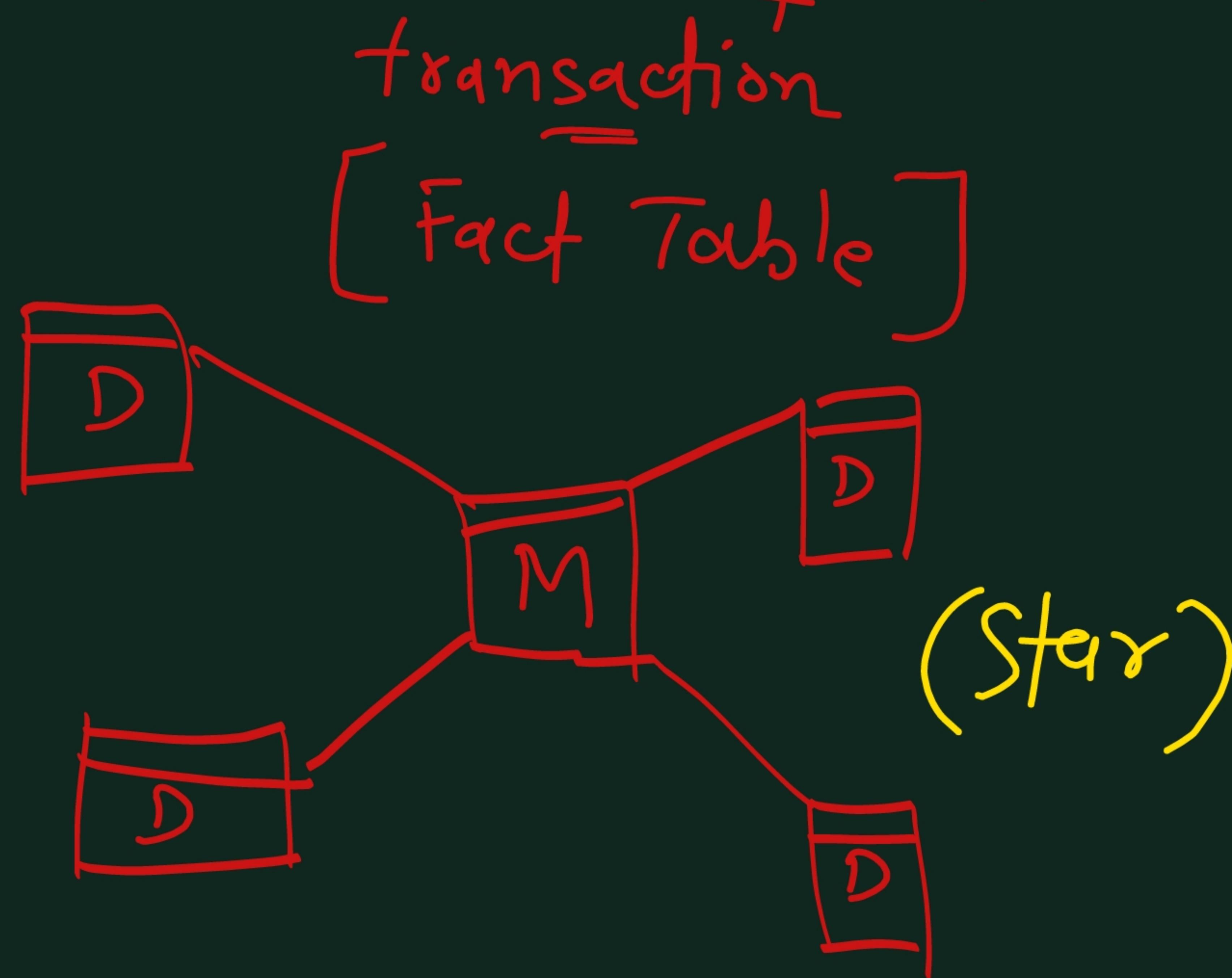
② Dimension (Additional)

→ transactional table

Attribute / Details table

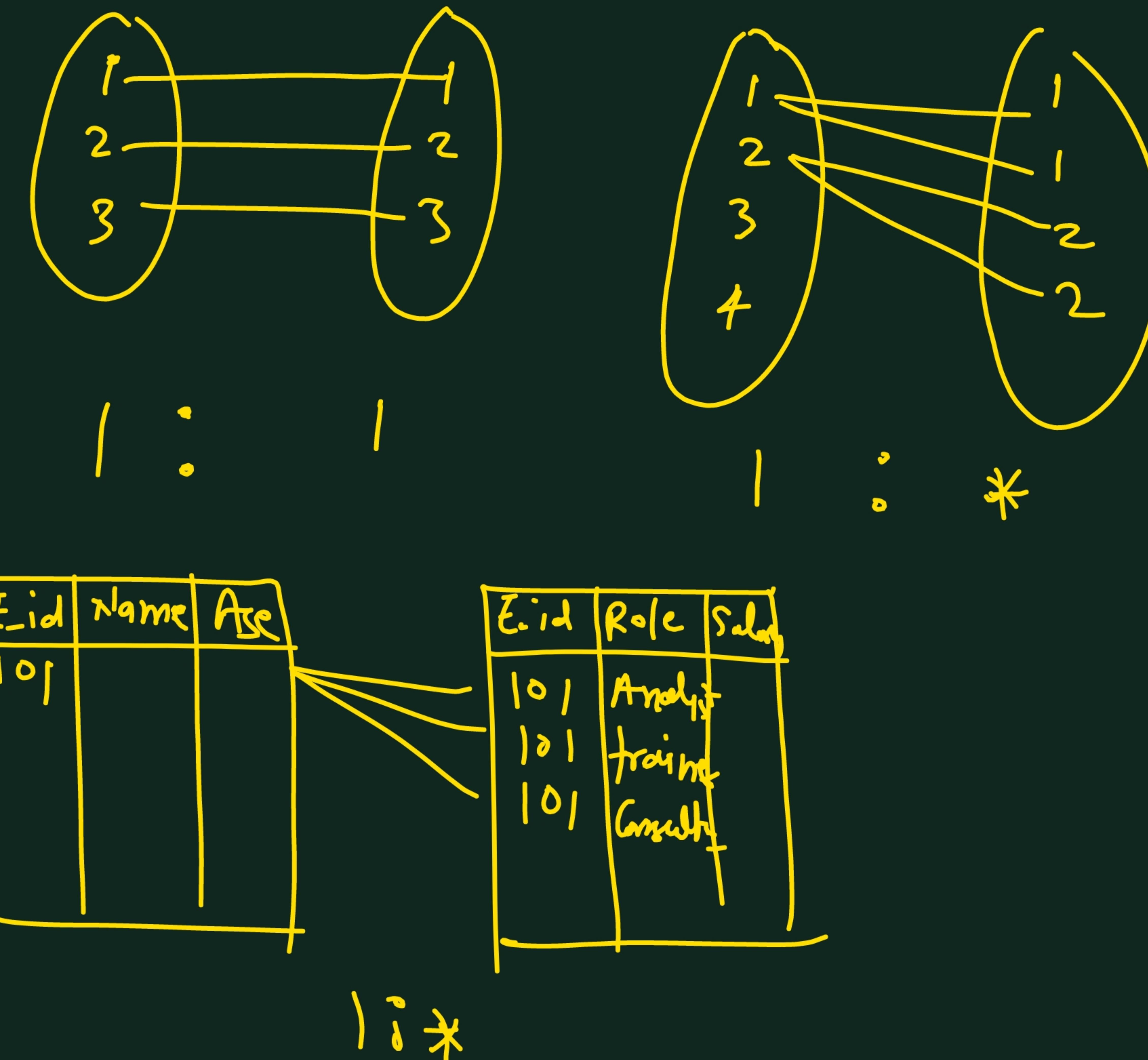
Date	Cust	Prod	Qty	Price	Amnt

Prod	Name	MRP



# Cardinality Ratio

- (a) 1 : 1
- (b) 1 : \* (M)  $\rightarrow$  1 : Many
- (c) \* : 1
- (d) \* : \* (Avoid)



④ DAX Query View → Custom View on data

(Data Exploration)

⑤ Report View

a) Visualization Pane

