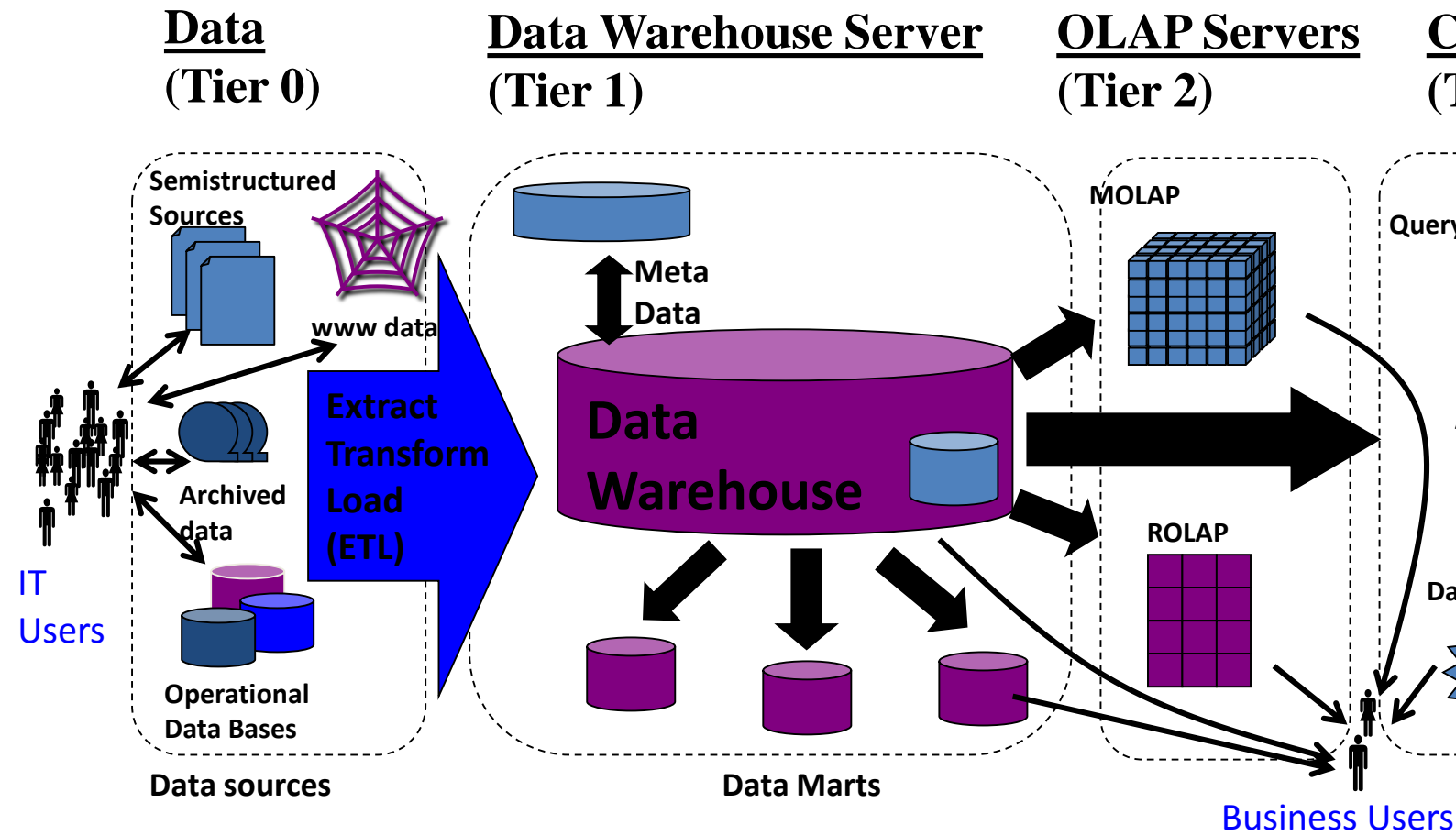


# Session 2

Online Analytical Processing (OLAP)

# Putting the pieces together

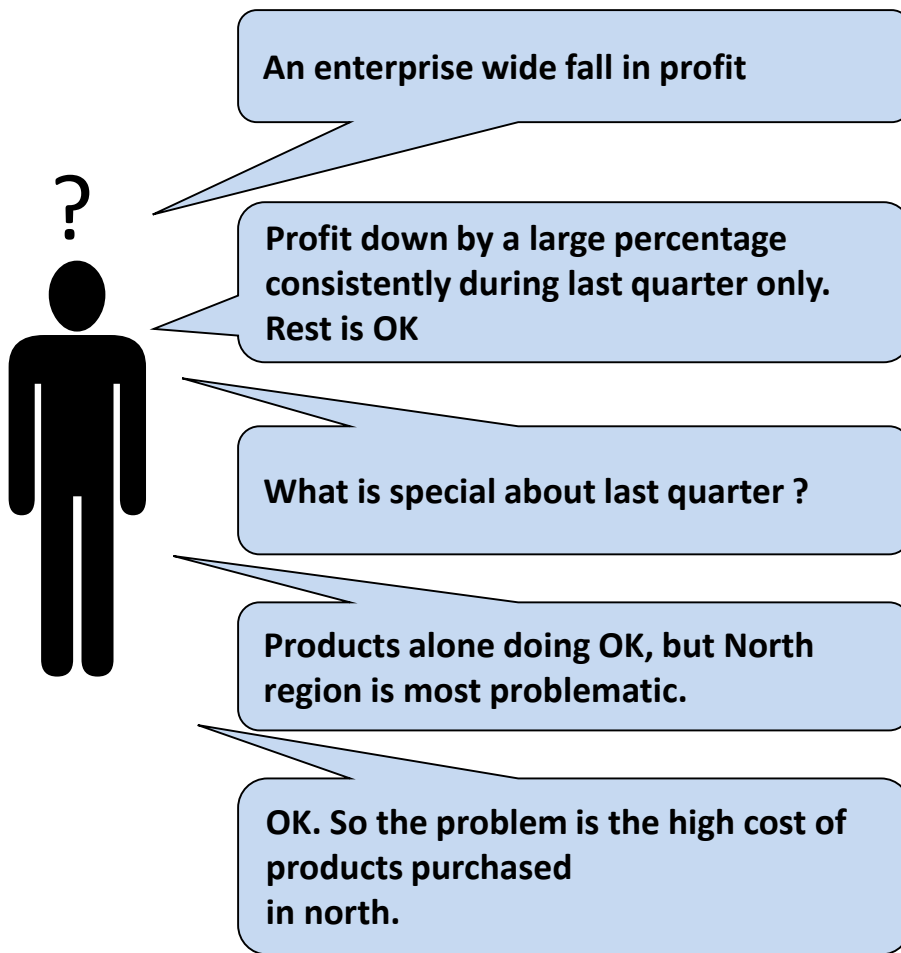


# DWH & OLAP

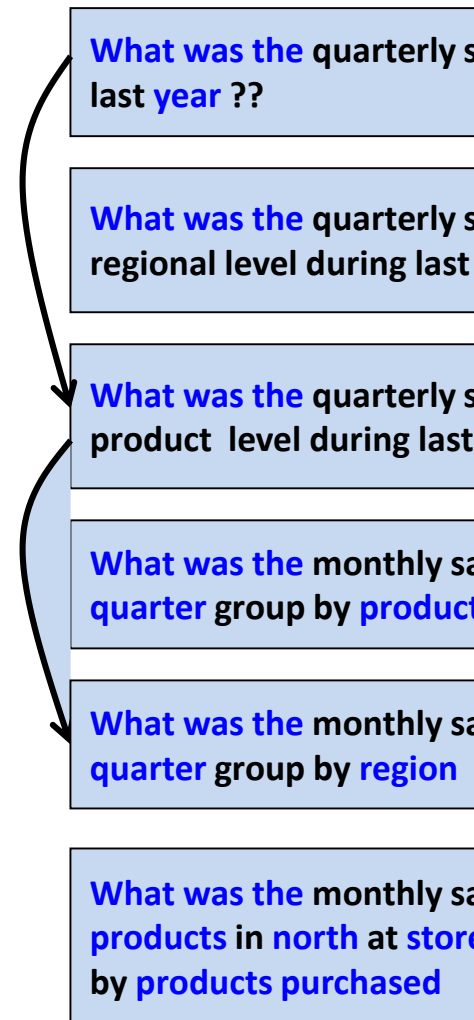
- Relationship between DWH & OLAP
- Data Warehouse & OLAP go together
- Analysis supported by OLAP

# Supporting the human thought process

## THOUGHT PROCESS




## QUERY SEQUENCE



How many such query sequences can be programmed in advance

# Analysis of last example

- Analysis is **Ad-hoc**
- Analysis is **interactive** (user driven)
- Analysis is **iterative**
  - Answer to one question leads to a dozen more
- Analysis is **directional**
  - Drill Down
  - Roll Up
  - Pivot

More in  
subsequent  
slides

# Challenges...

- Not feasible to write predefined queries.
- Enable ad-hoc query support
  - Business user can not build his/her own queries (don't know SQL, should not know it).
  - On\_the\_go SQL generation and execution too slow because On\_the\_go SQL can be generated by trapping user's movement but it will be slow as Olap requires result in seconds

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