**Problem set 2:**

|  |  |  |
| --- | --- | --- |
| **Data Source** | **Measures** | **Aggregation Properties** |
| ERP Database: Sub Job Table | Cost\_Labour  Cost\_Material  Cost\_Overhead  Quantity\_Produced  Sub\_Job\_Amount | All additive |
| ERP Database: Invoice Table | Invoice\_Amount  Invoice\_Quantity  Invoice\_Shipped | All additive |
| ERP Database: Shipment Table | Actual\_Quantity  Requested\_Quantity  Boxes  Quantity\_Per\_Box  Quantity\_Per\_Partial\_Box  Shipment\_Amount | Quantity\_Per\_box non additive  Quantity\_Per\_Partial\_Box Non additive  Rest all are additive |

|  |  |  |
| --- | --- | --- |
| **Cube** | **Dimensions** | **Measures** |
| Lead | Customer,  Sales\_Agent,  Time | Success,  Quote\_Qty  Quote\_Price  Quote\_Value |
| Job | Customer,  Time  ,Sales\_Agent | Unit\_Price  Quantity\_Ordered  Quotation\_Quantity  Quotation\_Amount |
| SubJob | Customer  MachineType,  Time | Cost\_Labour  Cost\_Material  Cost\_Overhead  Quantity\_Produced  Sub\_Job\_Amount |
| Shipment | CustLocation,  Time | Actual\_Quantity  Requested\_Quantity  Boxes  Quantity\_Per\_Box  Quantity\_Per\_Partial\_Box  Shipment\_Amount |
| Invoice | Customer,  Time | Invoice\_Amount  Invoice\_Quantity  Invoice\_Shipped |