1. (book) (book\_price) (author)
2. (Orders)
   1. (Customers)
   2. σSSN = ”?”(FullName)
   3. σidAddress = ”?”(Address)
   4. (Supplier)
   5. idSupplier\_address =”?”( Supplier\_address)
   6. date\_time >”fromDate” and date\_time < “toDate”( resupply)
   7. date >”fromDate” and date < “toDate”( Orders)
3. (book) book.ISBN =book\_price.idbook(book\_price)
4. book\_name=”?”(book)
   1. (book) book.ISBN = supplier\_books.book\_isbn and book.book\_name=”?” (supplier\_books)
   2. idSupplier=”?”(Supplier)
   3. book\_name=”?”(book)
   4. orders.idOrder=books\_in\_order.order\_id and orders.state>”?” and books\_in\_order.books\_id = ? (orders) (books\_in\_order)
   5. customer.ssn="?"(Customer.SSN, Customer\_order.order\_Id (Customer)Customer.SSN=customer\_order.customer\_id(customer\_order))
   6. date="?" and idOrder=”?”(orders.idOrder, books\_in\_order.quantity\_in\_order (Orders)Orders.idOrder=books\_in\_order.order\_id (books\_in\_order))
   7. (Customer)customer.ssn=customer\_order.customer\_id(customer\_order)

customer\_order.order\_id=orders.idOrder(Orders)

books\_in\_order.order\_id=orders.idOrder(books\_in\_order)

* 1. custormer.ssn=fullname.ssn and customer.ssn=”?” (Customer)(FullName)
  2. resupply\_resupply\_id=resupply\_books.resuply\_id and resupply.date\_time>? (resupply)(resupply\_books)
  3. idSupplier=? and idSupplier=idSupplier\_addresss(Supplier)(Supplier\_address)

1. orders.date>? and orders.date<?(Orders)
2. orders.date>? and orders.date<?(Orders)
   1. customer\_order.customer\_id = customer.ssn and customer\_id = ? (Customer) ⋈(Customer\_order)
   2. order\_id=? and book.isbn=books\_in\_order.books\_id (books\_in\_order)(book)
   3. isbn=? and book.isbn=book\_price.idbook (book)(book\_price)
   4. idOrder=? (orders)
   5. date<? and date>? And status= ‘Closed’(orders)
   6. date\_time <? And date\_time>? And status=’supplied’ (resupply)
3. date\_joined>? And customer.ssn = fullname.ssn (customer) (FullName)
4. date\_time<? And date\_time>? and status=’supplied’ and supplier\_sid=?(Customer)

1. id\_employee=? And date<? And date>? And status=’Closed’(employee)employee.id\_employee = employee\_sales.employee\_id (employee\_sales)employee\_sales.order\_id=orerds.idOrder
2. orders.idOrder=books\_in\_order.order\_id and orders.status=’Closed’ and date>? And date <?

books\_id ℑ SUM(quantity\_in\_order)(Orders)(books\_in\_order)