

b)

i) Assume the ShipDate is uniformly distributed over its range, and the range is from :today to :today-999, then  $|\sigma_{ShipDate > :today-60} Order| = 60000 \times \frac{60}{1000} = 3600$

ii) Assume that ShipDates are uniformly distributed on all customers, then

$$|\pi_{CustID}(\sigma_{(ShipDate > :today-60)} Order)| = 3600 \times \frac{50}{3000} = 60$$