



v. Construct a 99% confidence interval for the difference between mean impact strength of gears by the two suppliers

vi. What assumptions did you make while solving part (v)?

Q.No.2:- An automobile parts distributor found 34 packages containing defective brake linings in a sample of 200 taken at random from a shipment containing 1000 packages. From another shipment of 1000 packages, he selected a random sample of 250 packages and found 31 packages containing defective brake linings. Construct a 98.5% confidence interval for the difference between proportions of packages containing defective brake linings in two shipments.