**1. Calculate the P Value for the test in Problem 2.**

***Ans:***

#to calculate p value for the test

#we use pnorm function

#to find probability

#as we get 1 by the test in previous answers of this

#thus

pnorm(1)

#0.8413447

#answer

**2. How do you test the proportions and compare against hypothetical props? Test Hypothesis: proportion**

**of automatic cars is 40%.**

***Ans:***

#as we have to test the proportions lets do "one sample proportions test"

#and assume we have taken a sample of 210 cars and found 65 cars automatic of all

#so defining the null hypothesis to

#Ho: p equal to 0.40

#Ha: p not equal to 0.40

#one sample prop test

prop.test(65,210, p=0.40,alternative = "two.sided",conf.level = 0.95,correct = F)

#now since our test p value 0.007444 is less than 0.05 we will reject the null hypo

#and accept the alternative hypo that says that p is not equal to 0.40

#thus in this way we can test the proportions