afternoon=c(90, 87, 77, 70)

morning=c(69, 71, 63)

TestStat=mean(afternoon)-mean(morning)

TestStat

reps<-1000

results<-numeric(reps)

x<-c(afternoon,morning)

for (i in 1:reps) {

temp<-sample(x)

results[i]<-mean(temp[1:4])-mean(temp[5:7])

}

hist(results)

compare=results>=13.33

compare

sum(compare)

pvalue=sum(compare)/1000

pvalue