# DAE8th Problem 3.01

## Given:

## 

## Solution:

The bounds on the P-value is interpreted as the P-value itself. Q: Am I wrong?

This can be found using the cdf of the f-distribution as

P=1-cdf(F0,v1,v2)

where v1 and v2 are the degrees of freedom for the treatments (levels) and the error within the treatments

v1=a-1=5-1=4

v2=N-a=30-5=25

In MATLAB code

a=5;

n=6;

N=a\*n;

F0=3.26;

pVal=1-fcdf(F0,a-1,N-a)

ans =

0.0278