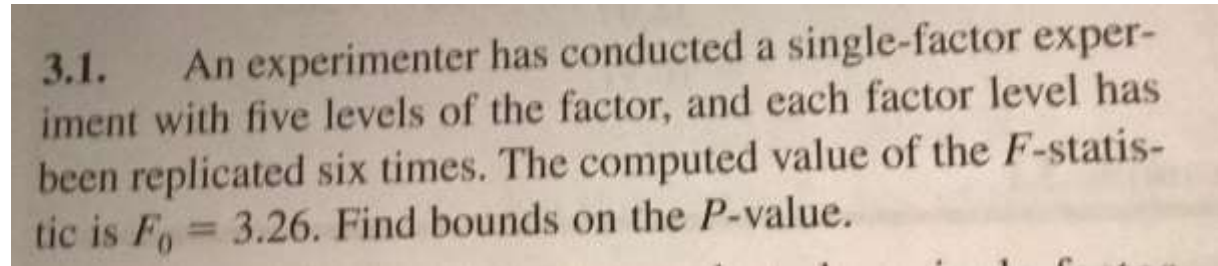


DAE8th Problem 3.01

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

$$P = 1 - \text{cdf}(F_0, v_1, v_2)$$

where v_1 and v_2 are the degrees of freedom for the treatments (levels) and the error within the treatments

$$v_1 = a - 1 = 5 - 1 = 4$$

$$v_2 = N - a = 30 - 5 = 25$$

In MATLAB code

```
a=5;  
n=6;  
N=a*n;  
F0=3.26;  
pVal=1-fcdf(F0,a-1,N-a)
```

ans =

0.0278