CS 431 HWK4
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Sohammk2
1. (used attache script for this, output is in answers)
a) Using exact test:
done task 2 is schedulable.
totalcold: 5
totalc: 5
done task 3 is schedulable.
totalcold: 13
totalc: 13
done task 4 is not schedulable.
totalcold: 28
totalc: 33

b) Using exact test:
done task 2 is schedulable.
totalcold: 6
totalc: 6
done task 3 is schedulable.
totalcold: 15
totalc: 15
done task 4 is schedulable.
totalcold: 29
totalc: 29

c)Using exact test:
done task 2 is schedulable.
totalcold: 6.5
totalc: 6.5
done task 3 is schedulable.
totalcold: 12.0
totalc: 12.0
done task 4 is schedulable.
totalcold: 30.0
totalc: 30.0

d)Using exact test:

done task 2 is schedulable.

totalcold: 16

totalc: 16

done task 3 is not schedulable.

totalcold: 27

totalc: 39

e) by changing task 3's period to 45 it is schedulable.

2)

Using UB test: $.1+11/60+18/75+16/110 = .669 < .756$, so schedulable.

Using exact test:

done task 2 is schedulable.

totalcold: 16

totalc: 16

done task 3 is schedulable.

totalcold: 34

totalc: 34

done task 4 is schedulable.

totalcold: 50

totalc: 50