1) Given the following task lists:

(a) {T1(3,1),T2(6,2),T3(2,1),T4(7,1)}

(b) {T1(3,2),T2(4,1)}

(c) {T1(1,1),T2(3,1),T3(4,1)}

Apply the sufficient and not necessary condition for RM and DM algorithms presented in the lecture to test the schedulability. (Consider: 2^(0.25)=1.18, 2^(0.5)=1.41, 2^(0.33)=1.25)

2) Consider 1(b). Apply RM algorithm to schedule the task list. Is there any valid schedule?

Did you expect it?

Apply the time-demand analysis to test the schedulability.

3) Test the schedulability of the following task list:

{T1(4,1),T2(5,2),T3(7,2)}

$W_1(4)$=?

$W_2(4)$=?

$W_3(4)$=?

$W_3(5)$=?

$W_3(7)$=?

Is the given task list schedulable?