***EDF Scheduler:***

***Graphical user interface, text, application

Description automatically generated***

*Verify all tasks are schedulable using time demand analysis method:*

Task 1 :

W(1) = 3.33 + 0 = 3.33

W(2) = 3.33 + 0 = 3.33

W(3) = 3.33 + 0 = 3.33

W(4) = 3.33 + 0 = 3.33

W(5) = 3.33 + 0 = 3.33

W(5) < 5 task 1 : is schedulable

Task 2 :

W(1) = (1/5)\*3.33 + 2 = 2.666

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W(6)= (6/5)\*3.33+2 = 5.996

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W(11) = (11/5)\*3.33 + 2 = 9.326

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W(15) = (15/5)\*3.33+2 = 11.99

W(15) < 15 task 2 : is schedulable

Diagram, schematic

Description automatically generated