

MCT (Minimum Completion Time) : MET + OLB

10 Tasks

3 Resources

S.No.	R1 (10MIPS)	R2 (12 MIPS)	R3 (14 MIPS)
T1 (200MI)	20	16.6	14.2
T2 (150)	15	12.5	10.7
T3 (120)	12	10	8.5
T4 (170)	17	14.1	12.1
T5 (110)	11	9.1	7.8
T6 (190)	19	15.8	13.5
T7 (165)	16.5	13.7	11.7
T8 (90)	9	7.5	6.4
T9 (180)	18	15	12.8
T10 (130)	13	10.8	9.2

T4

$$R1=12+17=29$$

$$R2=12.5+14.1=26.6$$

$$R3=14.2+12.1=26.3$$

T5

$$R1=12+11=23$$

$$R2=12.5+9.1=21.6$$

$$R3=14.2+12.1+7.8=34.1$$

T6

$$R1=12+19=31$$

$$R2=21.6+15.8=37.4$$

$$R3=26.3+13.5=39.8$$

T7

$$R1=31+16.5=47.5$$

$$R2=21.6+13.7=35.3$$

$$R3=26.3+11.7=38$$

T8

$$R1=31+9=40$$

$$R2=35.3+7.5=42.8$$

$$R3=26.3+6.4=32.7$$

T9

$$R1=31+18=49$$

$$R2=35.3+15=50.3$$

$$R3=32.7+12.8=45.5$$

T10

$$R1=31+13=44$$

$$R2=35.3+10.8=46.1$$

$$R3=45.5+9.2=54.7$$

Total Load on

$$R1= 44$$

$$R2 = 35.3$$

$$R3 = 45.5$$

Makespan : 45.5 s

$$\begin{aligned} \text{Average Resource Utilization} &= (R1+R2+R3)/(3*R3) \\ &=.9142 = 91.42\% \end{aligned}$$