

MCT (Minimum Completion Time) : MET + OLB

10 Tasks

3 Resources

S.No.	R1 (10MIPS)	R2 (12 MIPS)	R3 (14 MIPS)
T1 (100MI)	10	8.33	7.14
T2 (120)	12	10	8.57
T3 (140)	14	11.66	10
T4 (90)	9	7.50	6.42
T5 (130)	13	10.83	9.28
T6 (200)	20	16.66	14.28
T7 (150)	15	12.50	10.71
T8 (170)	17	14.16	12.14
T9 (190)	19	15.83	13.57
T10 (110)	11	9.16	7.85

T4

$$R1=14+9=23$$

$$R2=10+7.50=17.5$$

$$R3=7.14+6.42=13.56$$

T5

$$R1=14+13=27$$

$$R2=10+10.83=20.83$$

$$R3=7.14+6.42+9.28=22.84$$

T6

$$R1=14+20=34$$

$$R2=10+10.83+16.66=37.49$$

$$R3=7.14+6.42+14.28=27.84$$

T7

$$R1=14+15=29$$

$$R2=10+10.83+12.50=33.33$$

$$R3=7.14+6.42+14.28+10.71=38.55$$

T8

$$R1=29+17=46$$

$$R2=10+10.83+14.16=34.99$$

$$R3=7.14+6.42+14.28+12.14=39.98$$

T9

$$R1=14+15+19=48$$

$$R2=10+10.83+14.16+15.83=50.82$$

$$R3=7.14+6.42+14.28+13.57=41.41$$

T10

$$R1=14+15+11=40$$

$$R2=10+10.83+14.28+13.57+7.85=44.26$$

$$R3=7.14+6.42+14.28+13.57+7.85=49.26$$

Total Load on

$$R1= 40$$

$$R2 = 34.99$$

$$R3 = 41.41$$

Makespan : 41.41 s

$$\text{Average Resource Utilization} = (R1+R2+R3)/(3*R1)$$

$$=116.4/124.23$$

$$=0.936=93.6\%$$