

Condition taken from the given chart,. In my case, load is at equal distances from R2 and R3

Using the given equation 
$$\rightarrow$$
  
 $O(29) + 2 M_2(57) + M_3(28) = 6 (3048.62 + 1960)$   
 $II4M_2 = 30051.72 - 28M_3$   
 $M_2 = 263.611 - 0.2456 M_3 - 1$ 

Solving for next 2 spans 40K  $\omega_2 = 4x_{26} = 104K$   $M_2 = ? <math>L_2 = 28^{1/2}$   $M_3 = ? <math>L_3 = 26^{1/2}$   $M_4 = 0$   $L_{2+L_3} = 54^{1/2}$   $L_{2} = 28^{1/2}$   $L_{3} = 26^{1/2}$   $M_4 = 0$   $L_{2+L_3} = 54^{1/2}$   $L_{2} = 28^{1/2}$   $L_{3} = 26^{1/2}$   $M_4 = 0$   $L_{2+L_3} = 54^{1/2}$   $L_{2} = 76^{1/2}$   $EIO_1 = \frac{PL^2}{16} = 40(28)^2 = 1960$  Anos  $RigN q R_3 \rightarrow EIO_2 = \omega L^2 = 104(26)^2 = 2929.33$  Ano6

Using the given equation 
$$\longrightarrow$$
  
M2(28)+ 2M3(54)+0(26)= 6[1960+2929-33]

From equations (1)  $\xi$  (2)  $\rightarrow$   $M_{2} = 263.611 - 0.2456 M_{3} = 1047.71 - 3.857 M_{3}$   $M_{3} = 783.799 = 217.03$  Ano-8 3.6114



