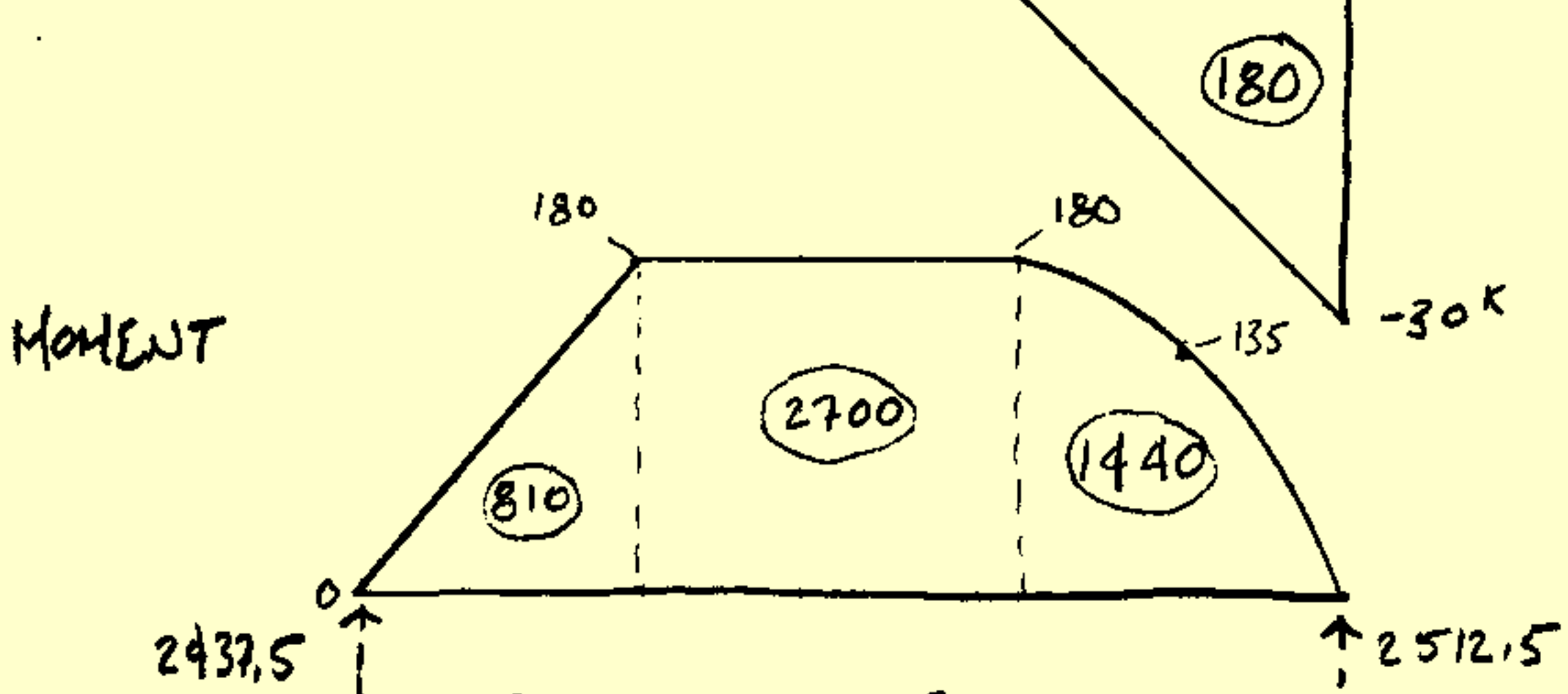
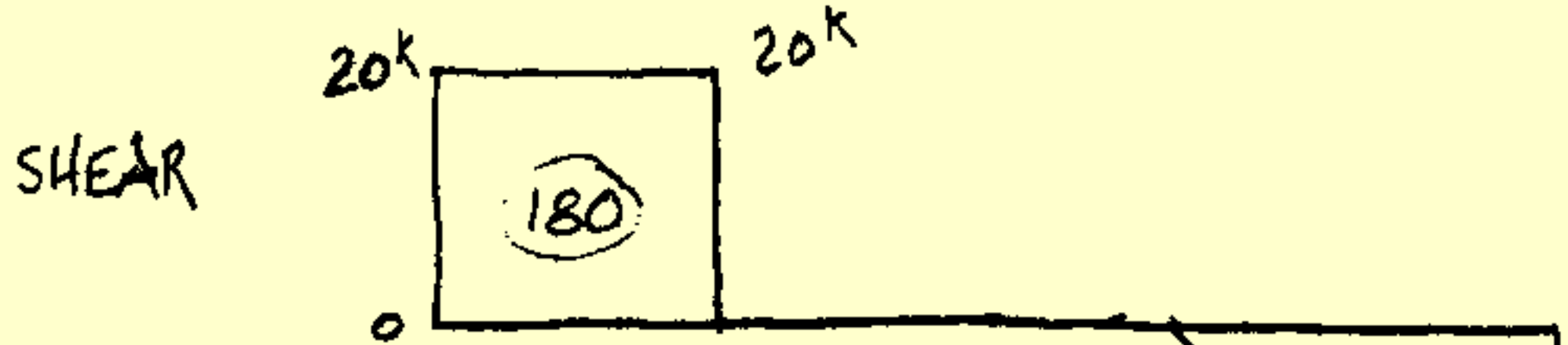
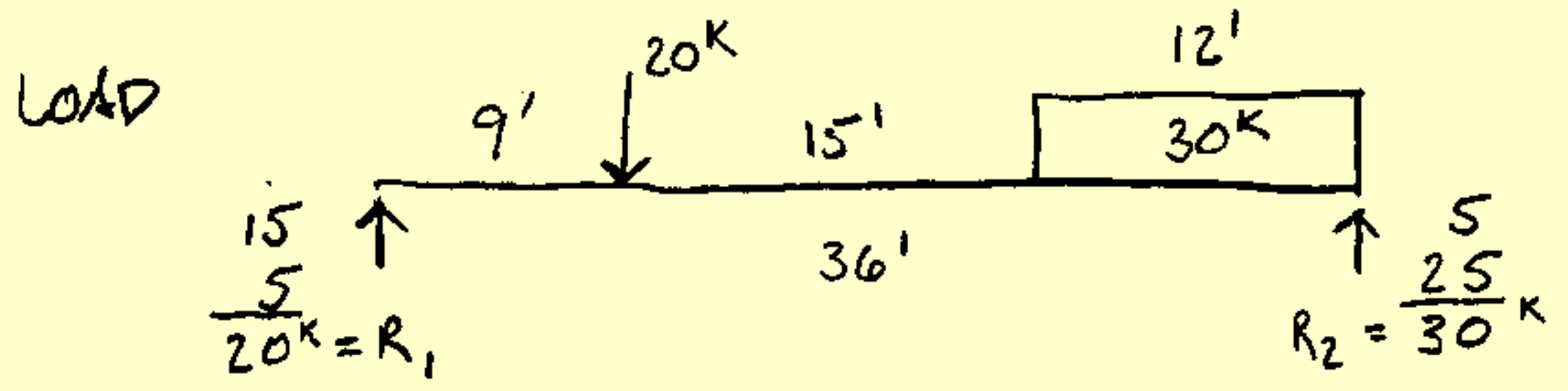


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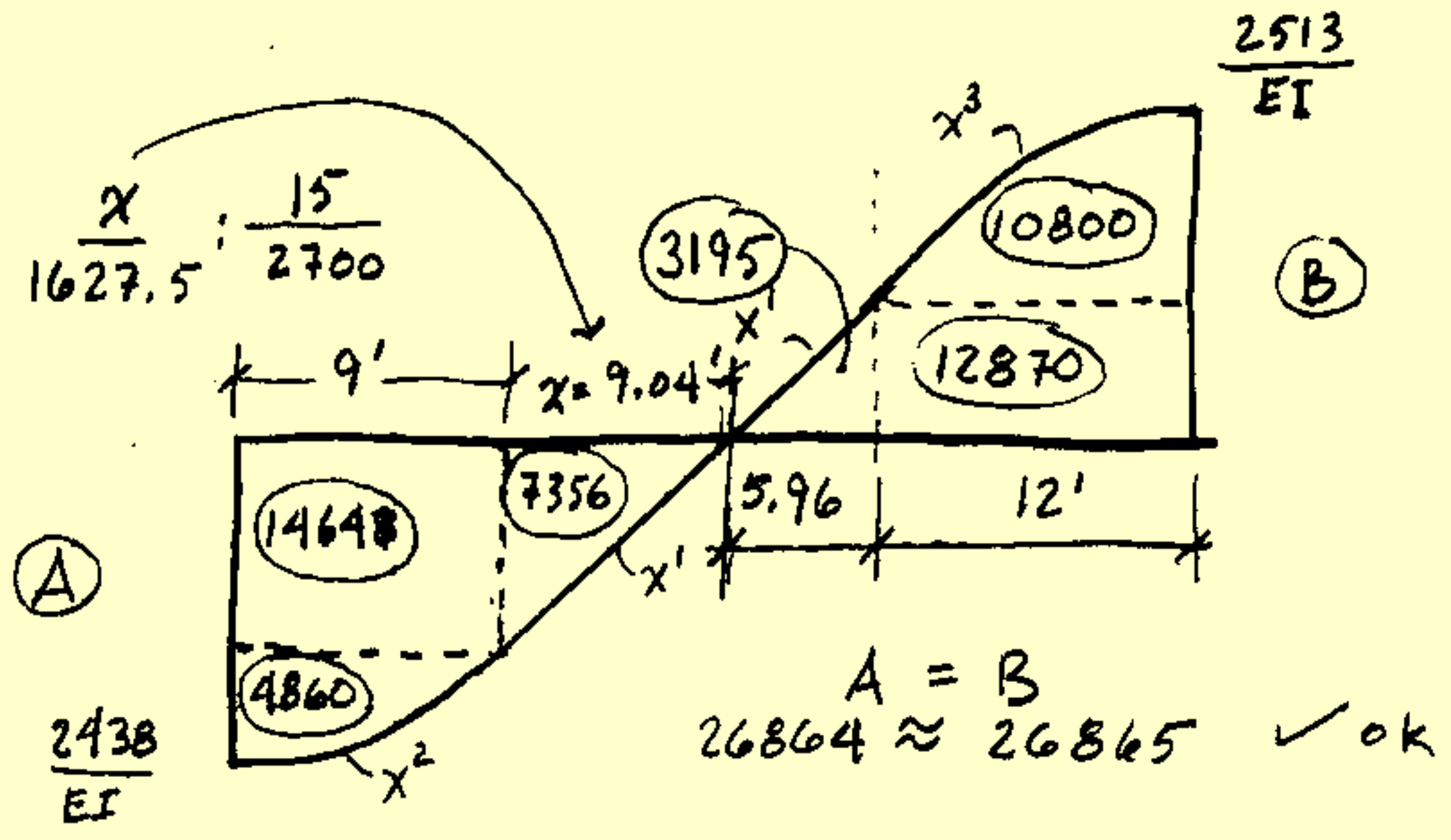


$$\sum M_{R_1} = 810 \left(\frac{2}{3} \cdot 9 \right) + 2700 \left(9 + \frac{15}{2} \right) + 1440 \left(\frac{3}{8} \cdot 12 + 24 \right) - R_2 (36) = 0$$

$$R_2 = 2512.5$$

$$\sum M_{R_2} = 810 \left(\frac{9}{3} + 27 \right) + 2700 \left(12 + \frac{15}{2} \right) + 1440 \left(\frac{5}{8} \cdot 12 \right) - R_1 (36) = 0$$

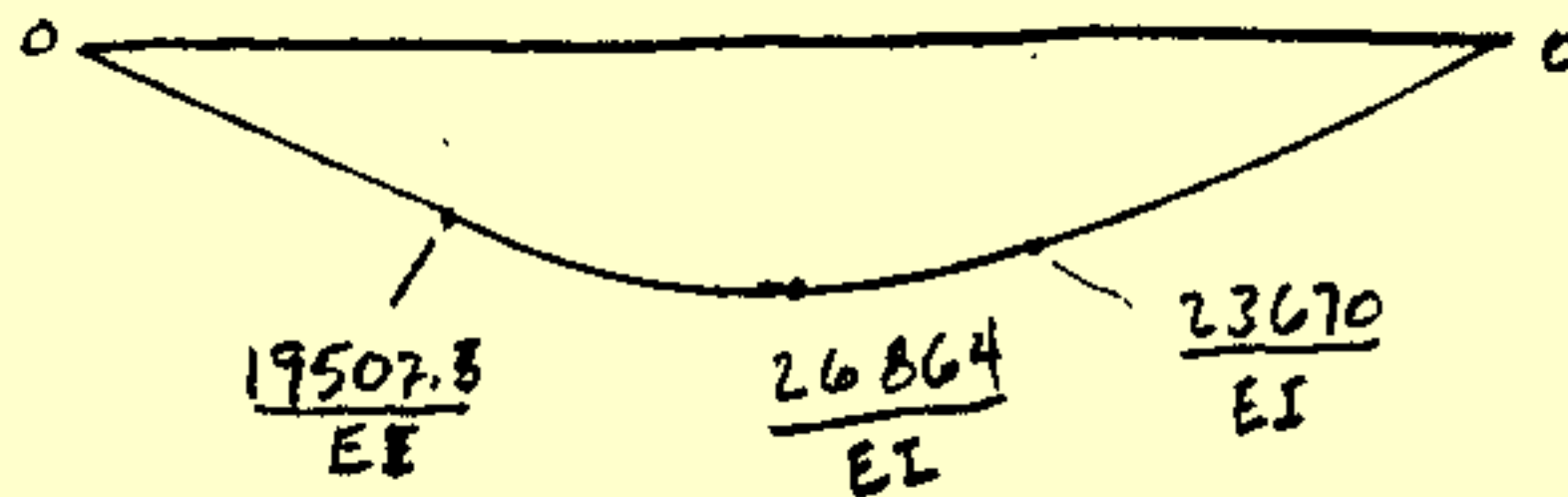
$$R_1 = 2437.5$$



22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

DEFLECTION



TO FIND OUT WHAT THE DEFLECTION WOULD EQUAL IN INCHES THE SECTION (I) AND THE MATERIAL (E) MUST BE GIVEN — EG

FOR A W16X67

$$I = 954 \text{ in}^4$$

$$E = 29000 \text{ ksi}$$

$$\Delta_{\max} = \frac{26864 (1728)}{954 (29000)} = 1.7''$$

WHICH IS $\frac{L}{257} < \frac{L}{360}$ \therefore WITHIN LIMITS FOR SPAN

