\[ 110.667 RC + \left( 136.5 \cdot 333 RC - 2930.667 - 140.667 RC - 659.6 \right) + 10.922.667 RC - 54.613.333 + 2930.667 RB - 43390.667 \]
\[ -136.5 \cdot 333 RC + 2930.667 + 659.6 \cdot RB + 54.613.333 \]
\[ \Rightarrow 3413.333 RB + 109.22.667 RC - 93.525.333 \]
\[ - RB 01 \cdot 29.38 \cdot 01 \]

\[
\frac{EI}{\delta_{bl}} = \int_{16}^{32} \left[ RCx - f(x)f(x) + RB(x-16) - (x-16)^2 \right] (x-16) \, dx
\]

\[
= \left[ RC \left( \frac{x^3}{3} - x^2 \right) - f(x) \left( \frac{x^3}{3} - 12x^2 + 12x \right) + \frac{RB}{3} (x-16)^3 \right]_{16}^{32} = 0
\]

\[ 2930.667 RC - 21045.333 + 1365.333 RB - 16384 \]
\[ + 659.6 \cdot 667 RC + 2930.667 = 0 \]
\[ \Rightarrow 1365.333 RB + 3413.333 RC - 35499.6 \]

\[ \text{안 두식 모식} \]

\[ RB + 3.2 RC = -27.40 \]
\[ RB + 21.5 RC = -26.0 \]

\[ \therefore RC = 20 \text{ ft} \quad RB = 21 \text{ ft} \]

\[ MB = -32 \text{ ft-lb} (g) \]
\[ Ma = -40 \text{ ft-lb} (g) \]