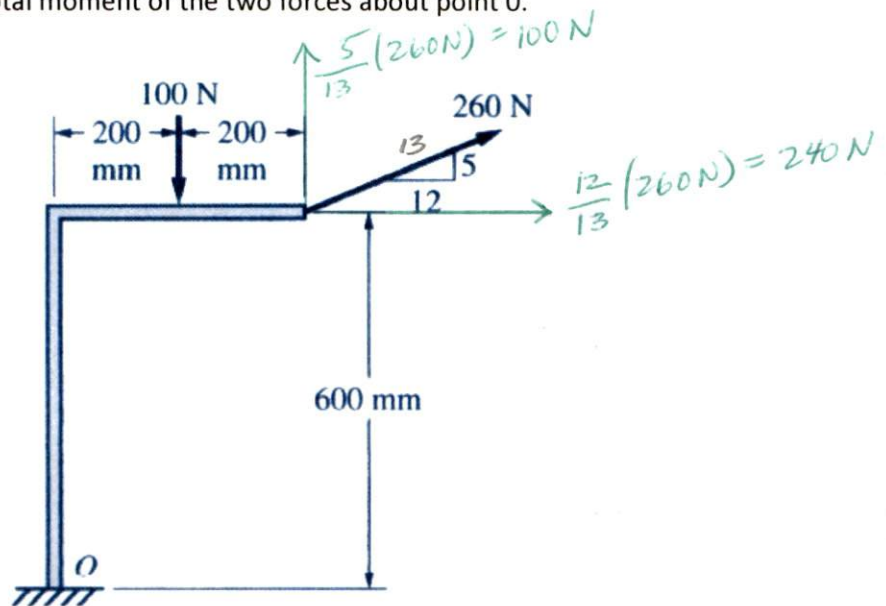


2-36

Refer to Fig. P2-36. Determine the total moment of the two forces about point O.

Solution.



$$\begin{aligned} M_O &= -100\text{N}(200\text{mm}) - 240\text{N}(600\text{mm}) + 100\text{N}(400\text{mm}) \\ &= -20\text{N}\cdot\text{m} - 144\text{N}\cdot\text{m} + 40\text{N}\cdot\text{m} \\ &= -124\text{N}\cdot\text{m} \end{aligned}$$

ccw + M ↺
cw - M ↻