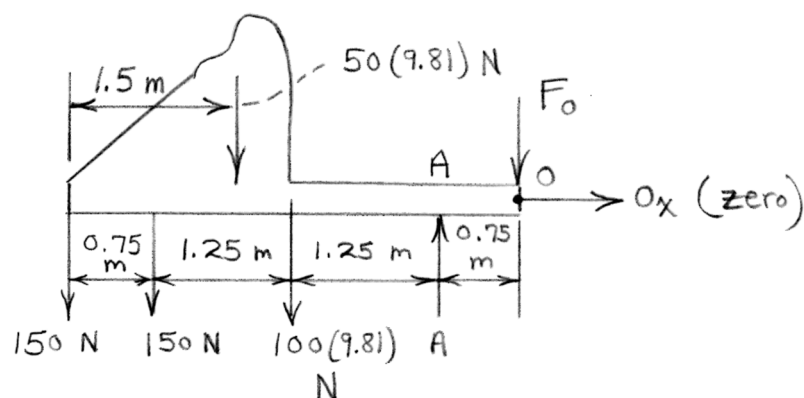


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Above FBD is for the system of beam and boy.

$$\begin{aligned} \sum M_A = 0: & 150(3.25) + 150(2.5) + \\ & 100(9.81)(1.25) + 50(9.81)(1.75) - 0.75F_o = 0 \\ F_o = & 3930 \text{ N or } \underline{F_o = 3.93 \text{ kN}} \end{aligned}$$

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