\[ \sum F = 0 \]
\[ R F_f - 2 p F_m \sin \phi = 0 \]
\[ W_{sm} = 2 p F_m \sin \phi \]

They don't give us \( \phi \), assume \( \phi = 90^\circ \) (not \( \theta \), \( \delta \), choice)

\[ m g = 2 p F_m = 2 \sum F_{BN} \]
\[ I = \frac{m g}{2 \sum F_{BN}} = \frac{(0.25 \text{ kg})(9.8 \text{ N/kg})}{2 (0.1 \text{ m})(0.5 \times 10)} = \boxed{2.45 \text{ A}} \]