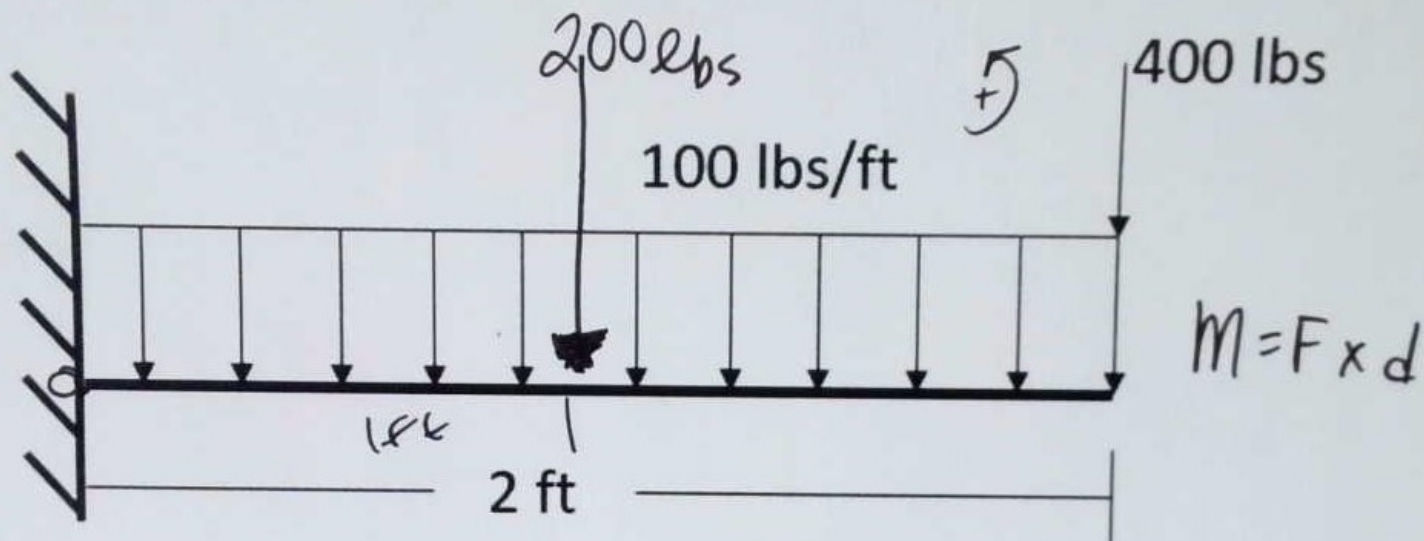


Calculate the magnitude of the maximum bending moment in the cantilevered beam.



$$M = (-400 \text{ lbs})(2 \text{ ft}) - (200 \text{ lbs})(1 \text{ ft})$$

$\underbrace{\hspace{10em}}_{-800} \quad \quad \quad - 200$

$$M = -1000 \text{ ft} \cdot \text{lbs}$$

$$M = 1000 \text{ ft} \cdot \text{lbs}$$