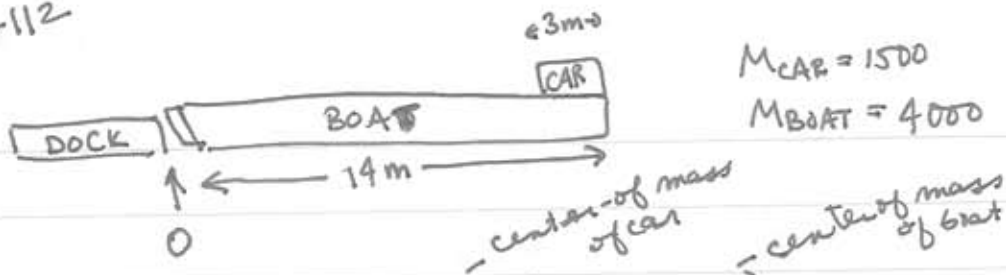


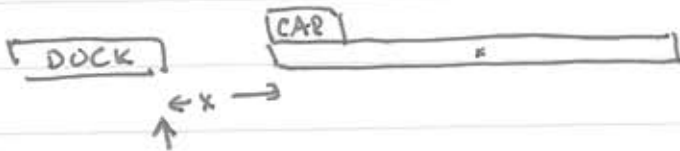
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$$M_{\text{CAR}} = 1500$$

$$M_{\text{BOAT}} = 4000$$

$$x_{\text{CM, Before}} = \frac{1500(14 - 1.5) + 4000(7)}{1500 + 4000}$$



$$x_{\text{CM, After}} = \frac{1500(x + 1.5) + 4000(7 + x)}{1500 + 4000}$$

$$x_{\text{CM, Before}} = 8.5 = x + 5.5$$

$$x = 3 \text{ m}$$