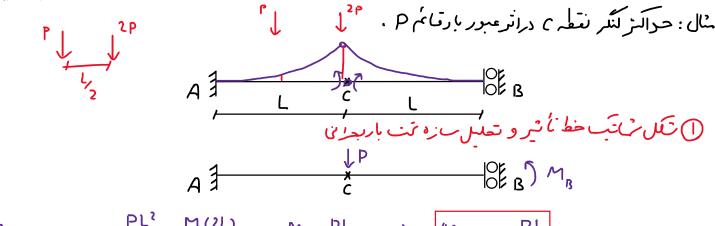
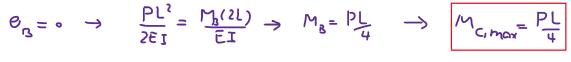
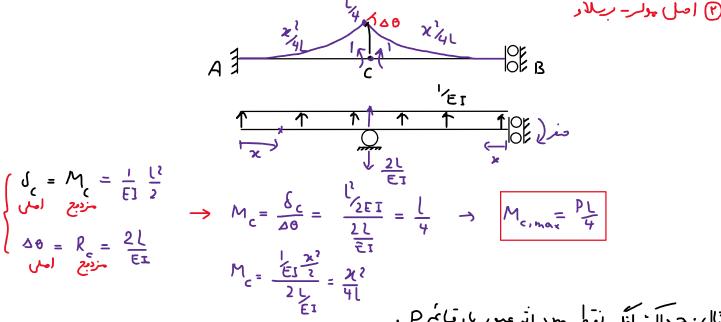
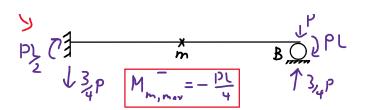
Thursday, June 13, 2024 19:0



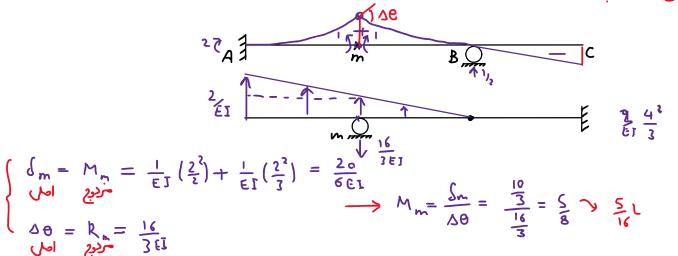




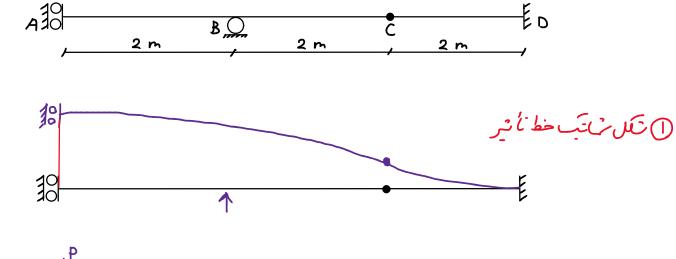
 $\frac{1}{2} \frac{P(2L)}{8} = \frac{3pL}{8}$ $A = \frac{5}{16}$ $A = \frac$

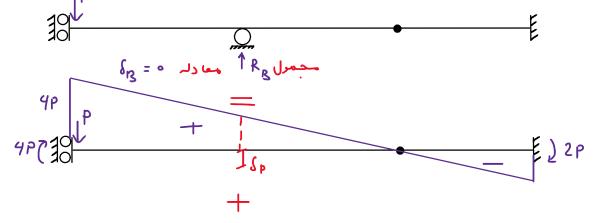


۲) اصل پولر- ريلار



سال: حراكر عكس العمل مليه كاه B در الرعبور بارقائم P .



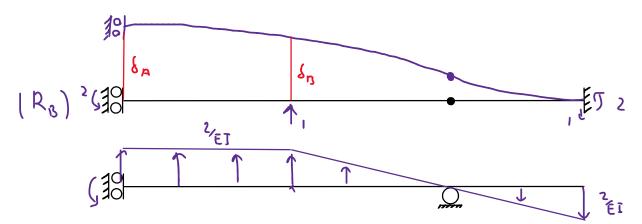


$$|x \delta_{P} = \int \frac{m_{N}}{EI} dx = \frac{1}{EI} [(2)(3p)(2) + \frac{2}{3}x(2p)(2) \times 2] = \frac{S2}{3} \frac{P}{EI}$$

$$|x \delta_{P} = \int \frac{m^{2}}{EI} dx = \frac{1}{EI} [(2^{2})(2) + \frac{2}{3}x(2^{2}) \times 2] = \frac{40}{3EI}$$

$$\delta_{\mathcal{B}} = \circ \rightarrow \delta_{\mathsf{p}} + \mathsf{R}_{\mathcal{S}} \delta_{\mathsf{i}} = \circ \rightarrow \frac{\mathsf{S}_{\mathsf{2}}}{\mathsf{7}} \frac{\mathsf{p}}{\mathsf{f}_{\mathsf{i}}} + \mathsf{R}_{\mathcal{B}} \frac{\mathsf{q}_{\mathsf{0}}}{\mathsf{1}_{\mathsf{E}^{\mathsf{7}}}} = \circ \rightarrow \mathsf{R}_{\mathsf{g}} = \frac{-\mathsf{S}_{\mathsf{2}}}{\mathsf{q}_{\mathsf{0}}} \mathsf{p}$$

P اصل پولر- برسلار



$$\begin{cases} \delta_{A} = M_{A} = \left(\frac{2}{E_{J}}\right)(2)(3) + \left(\frac{2}{E_{J}}\right)\left(\frac{2^{2}}{3}\right) \times 2 = \frac{52}{3E_{J}} \\ \delta_{B} = M_{B} = -\frac{52}{3E_{J}} + \frac{2}{E_{J}}\left(\frac{2^{2}}{3}\right) = -\frac{40}{3E_{J}} \end{cases} \Rightarrow R_{B} = \frac{52}{\frac{40}{3}} = \frac{52}{\frac{40}{3}} = \frac{52}{\frac{40}{3}}$$