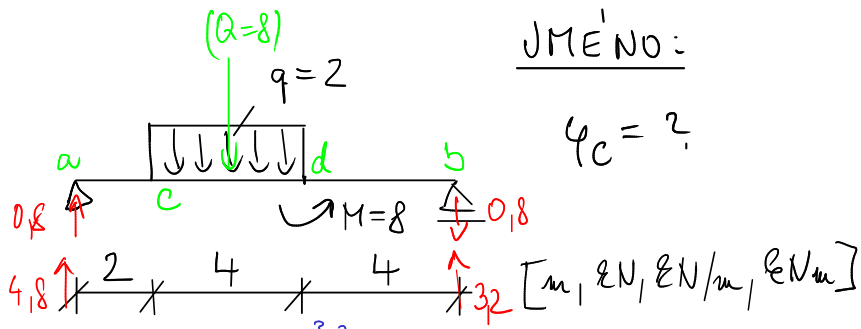
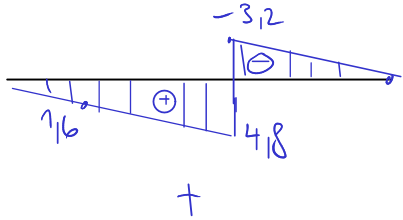


U M E' N O:

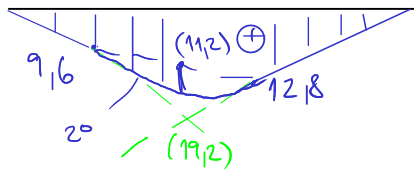
$$\varphi_c = ?$$



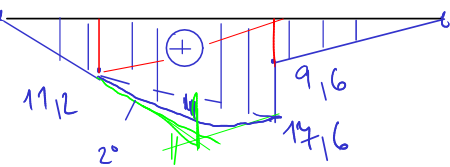
(M₁)



(M₂)

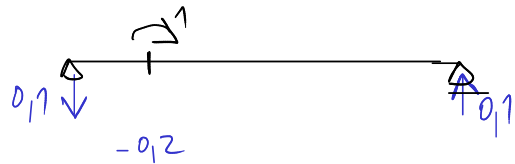


(M)



$$f = \frac{1}{8} q l^2 = \frac{1}{8} 2 \cdot 4^2 = 4$$

$$\varphi_c = \frac{1}{EI} \int M \bar{\pi} dx = \frac{1}{EI} \left[-\left(\frac{1}{2} 2 \cdot 0.2\right) \cdot \left(\frac{2}{3} 11.2\right) + \left(\frac{1}{2} 9.6 \cdot 4\right) \left(\frac{2}{3} 0.4\right) + \left(\frac{1}{2} 11.2 \cdot 4\right) \cdot \left(\frac{2}{3} 0.8 + \frac{1}{3} 0.4\right) + \left(\frac{1}{2} 4 \cdot 17.6\right) \left(\frac{1}{3} 0.8 + \frac{2}{3} 0.4\right) + \left(\frac{2}{3} 4 \cdot 4\right) \cdot \left(\frac{0.8 + 0.4}{2}\right) \right] = \frac{43.73}{EI}$$



(M)

