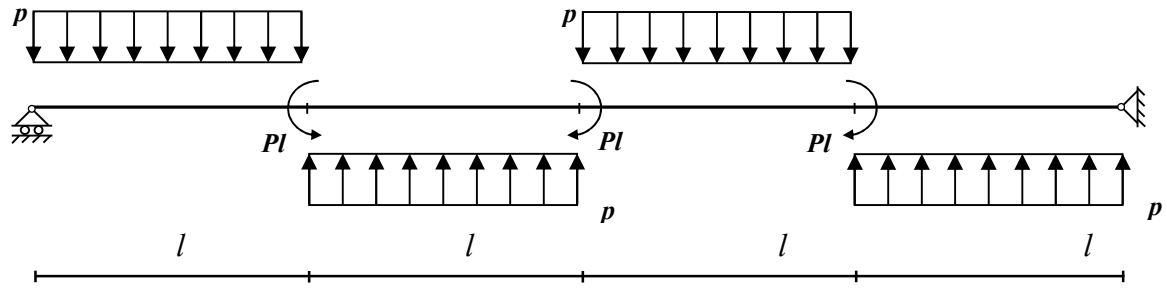
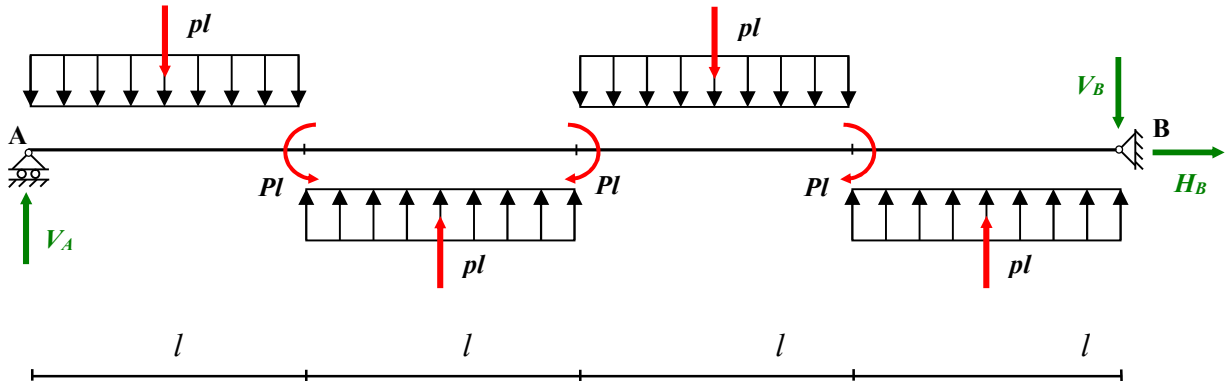
**Calcolare le reazioni vincolari e tracciare i diagrammi di sollecitazione**



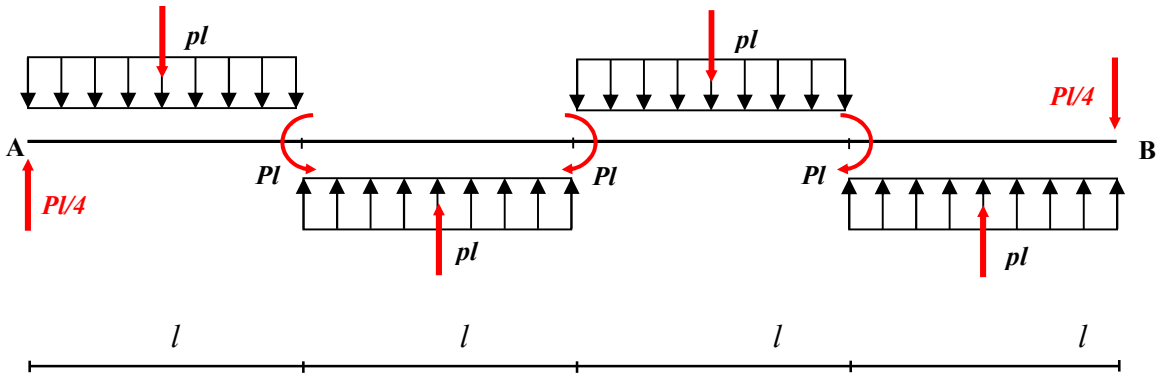

Calcolo delle reazioni vincolari :

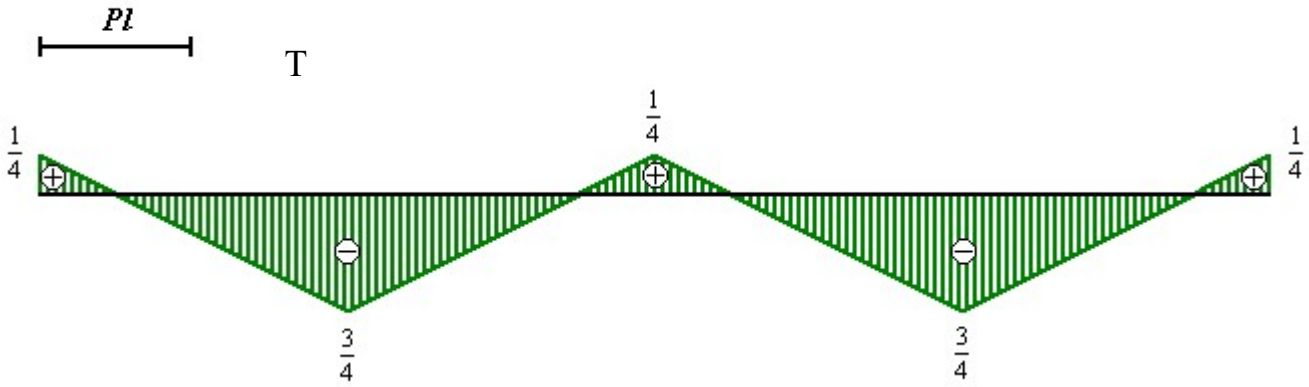
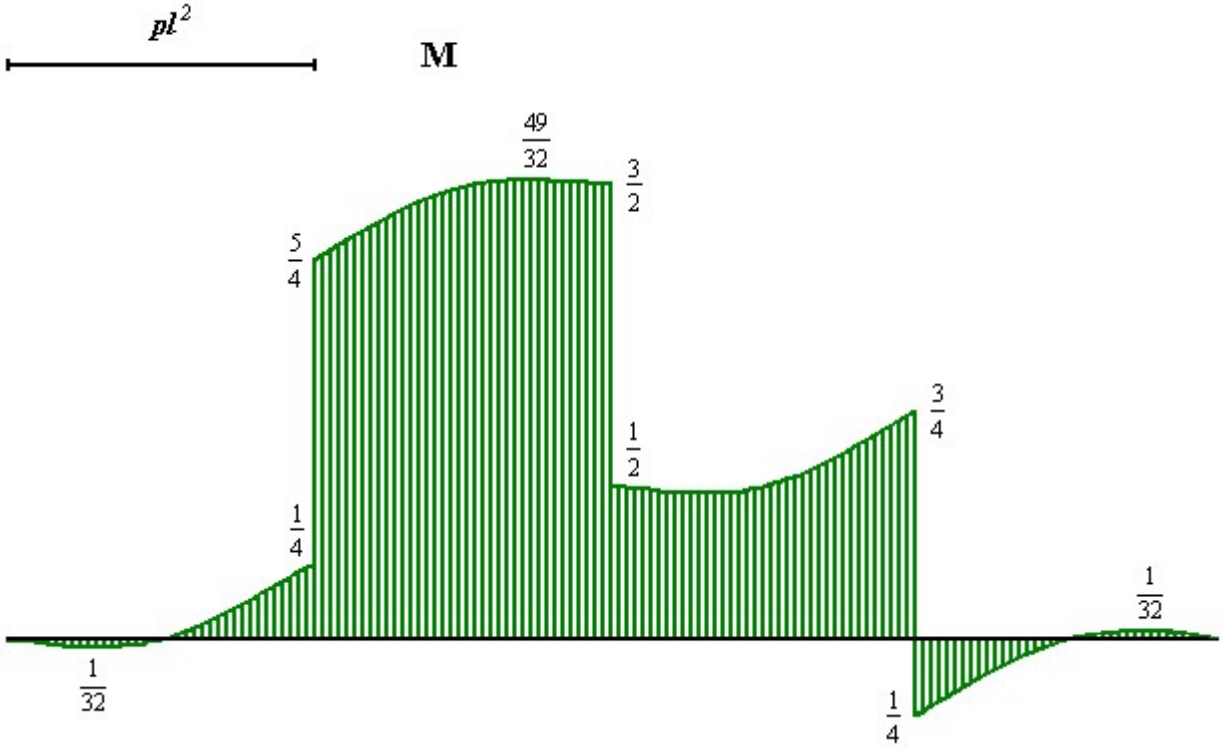



Dall'equazioni cardinali della statica :

$$\begin{cases} \sum_H : \quad H_B = 0 \\ \sum_V : \quad V_A - V_B = 0 \\ \sum_M (B): \quad -V_A \cdot 4l + pl \cdot \frac{7}{2}l - pl \cdot \frac{5}{2}l + pl \cdot \frac{3}{2}l - pl^2 - pl \cdot \frac{l}{2} = 0 \end{cases} \Rightarrow \begin{cases} \sum_H : \quad H_B = 0 \\ \sum_V : \quad V_B = \frac{pl}{4} \\ \sum_M (B): \quad V_A = \frac{pl}{4} \end{cases}$$

Il sistema equilibrato diventa :




Diagrammi :