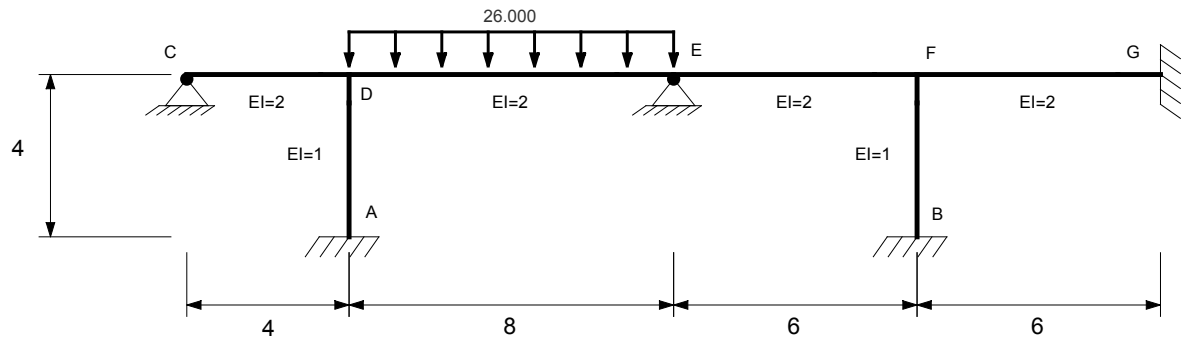


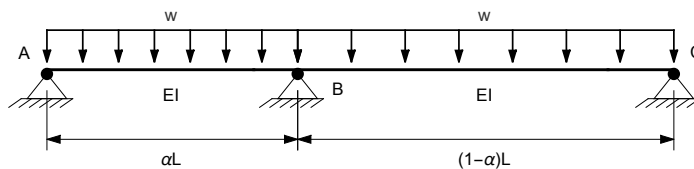
Problem 1

Problem statement



- Sketch the deflected shape marking all locations of inflection points.
- Sketch the moment diagram for all the frame members.

Problem 2



The total length of the two-span beam is "L" ($\alpha L + (1-\alpha)L = L$).

How do the following bending moments vary with α for $0 \leq \alpha \leq 1/2$:

- Maximum positive moment in AB
- Negative moment at B