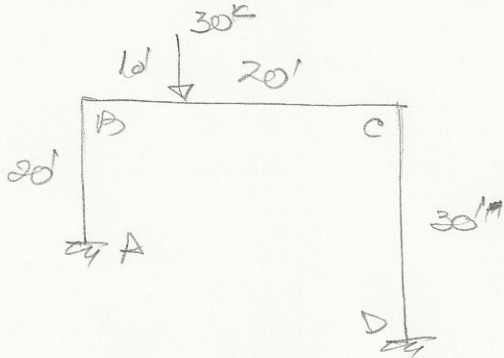


Determinar los momentos de extremo, usando distribución de momentos. EI constante.



$$K_{BA} = \frac{I}{20} = 3 \quad \Bigg\| \quad K_{CB} = \frac{I}{30} = 1$$

$$K_{DC} = \frac{I}{30} = 1$$

$$F.D)_{BA} = \frac{K}{\sum K} = \frac{3}{5} = 0.6 \quad \Bigg\} \quad F.D)_{CB} = \frac{1}{2} = 0.5$$

$$F.D)_{DC} = 0.5 \quad \Bigg\}$$

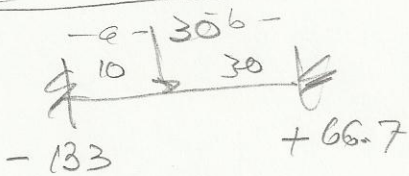
Momentos de Lado

$$M_{AB} = -\frac{GFD}{L_{AB}^2} = -\frac{GFD}{(20)^2} = M_{BA}$$

$$M_{CD} = -\frac{GFA}{L_{CD}^2} = -\frac{GFA}{(30)^2} = M_{DC}$$

$$\frac{M_{AB}}{M_{CD}} = \frac{-\frac{1}{20^2}}{-\frac{1}{30^2}} = \frac{-30 \times 36}{-20 \times 20} = \frac{-9}{-4} = \frac{-90}{-40}$$

Momentos de empotramiento.



$$-\frac{wb^2a}{l^2}$$

$$+\frac{wa^2b}{l^2}$$

