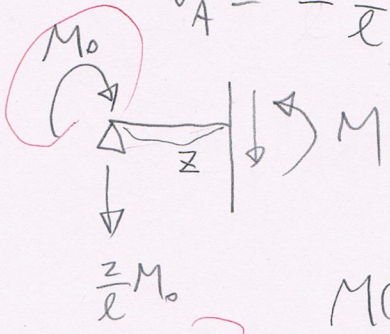
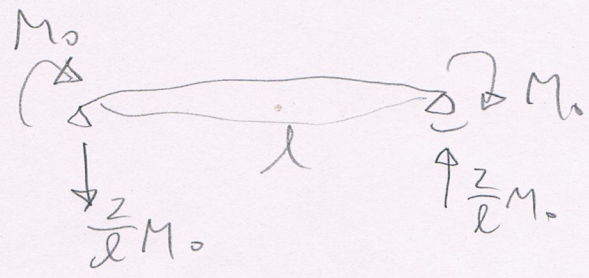


$$\sum \uparrow = V_A + V_B = 0$$

$$\sum \textcircled{A} = -V_B l + M_0 + M_0 = 0$$

$$V_B = \frac{2}{l} M_0$$

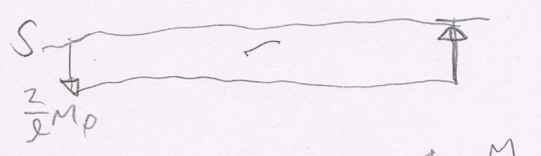
$$V_A = -\frac{2}{l} M_0$$



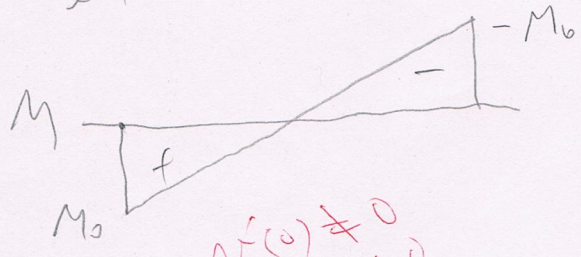
$$\sum \textcircled{z} = \frac{2}{l} M_0 z + M - M_0 = 0$$

$$M(z) = -\frac{2}{l} M_0 z + M_0$$

$$w'' = -\frac{2}{EI}$$



$$\ominus EI w'' = -\frac{2}{l} M_0 z + M_0$$



$$EI w'' = \frac{2}{l} M_0 z - M_0$$

$$EI w' = \frac{M_0}{l} z^2 - M_0 z + A$$

$w'(0) \neq 0$   
 $w''(0) \neq 0$   
 $w(0) = 0$        $w(l) = 0$

$$EI w = \frac{M_0}{3l} z^3 - \frac{M_0}{2} z^2 + Az + B$$

$$EI w(0) = B = 0$$

$$EI w(l) = \frac{M_0 l^2}{3} - \frac{M_0 l^2}{2} + Al = 0$$

$$\underbrace{\frac{M_0 l^2}{3} - \frac{M_0 l^2}{2}}_{-\frac{M_0 l^2}{6}} + Al = 0$$

$$A = \frac{M_0 l}{6}$$

$$EI w(z) = \frac{M_0}{3l} z^3 - \frac{M_0}{2} z^2 + \frac{M_0 l}{6} z$$

$$w(z) = \frac{M_0}{6lEI} (2z^3 - 3lz^2 + l^2 z)$$

$$w' = \frac{M_0}{6lEI} (6z^2 - 6lz)$$

$$w'' = \frac{M_0}{lEI} (2z - l)$$

$$M = \frac{M_0}{l} (l - 2z)$$

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