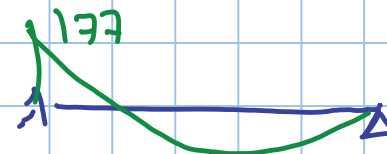


$$M = \frac{9l^2}{12} = 131.1 \text{ kNm}$$



$$M = \frac{9 l^2}{8} = 177.0 \text{ kNm}$$

$$d_{jk} = \frac{r^{p^2}}{2} = 48.1$$

$$M = \frac{9 \ell^2}{8} - \frac{M_{st}}{2} = 75.2$$