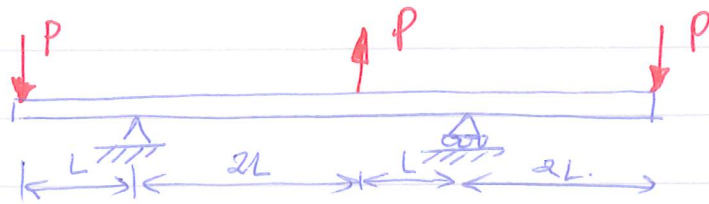


2.4.20

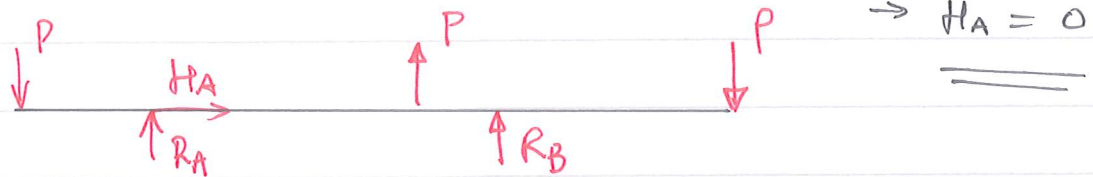
GIVET:



SÖKT: T- och M-diagram.

LÖSNING:

①.- Fritlägg och jmv



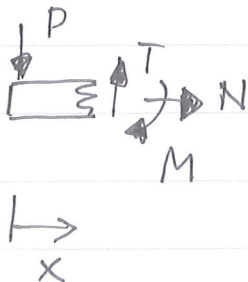
$$\rightarrow H_A = 0$$

$$\sum \mathcal{M}_A: -PL + (-2LP) - 3LR_B + 5LP = 0 \rightarrow R_B = \frac{2P}{3}$$

$$\uparrow: -P + R_A + P + R_B - P = 0 \rightarrow R_A = \frac{P}{3}$$

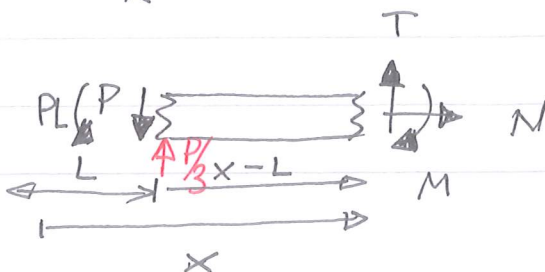
②.- Snitta och jmv:

$0 \leq x \leq L$:



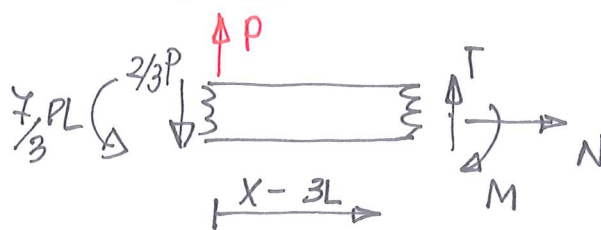
$$\left\{ \begin{array}{l} N = 0 \\ T = P \\ M = P \cdot x \end{array} \right.$$

$L \leq x \leq 3L$



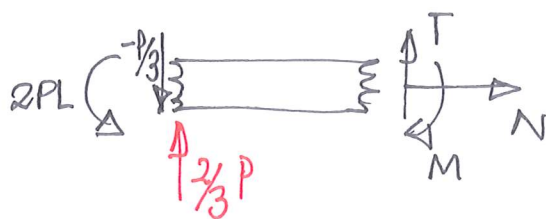
$$\left\{ \begin{array}{l} N = 0 \\ T = \frac{2}{3}P \\ M = \frac{2}{3}P(x-L) + PL \end{array} \right.$$

$$3L \leq x \leq 4L$$



$$\begin{cases} N = 0 \\ T = -P/3 \\ M = -P/3(x - 3L) + \frac{7PL}{3} \end{cases}$$

$$4L \leq x \leq 6L$$



$$\begin{cases} N = 0 \\ T = -P \\ M = -P(x - 4L) + 2PL \end{cases}$$

