

(2) PFS
$$|X_A = 0|$$

 $|Y_A + Y_B - 2p L - F = 0|$
 $|(en A): 2LY_B - 3LF - L.p. 2L = 0|$

Dorc,
$$\begin{aligned} X_A &= 0 \\ Y_B &= \frac{3}{2} F + \frac{1}{2} F_C \\ Y_A &= -\frac{1}{2} F + \frac{1}{2} F_C \end{aligned}$$

(a) I'm conpe:
$$0 \le x \le 2L$$
 $|N + X_A = 0|$
 $T + Y_A - P_C \times = 0$

(ii) In compe) $M - Y_A \times + P_C \cdot \times \cdot \frac{x}{2} = 0$

Donc
$$N = 0$$

 $T = \frac{1}{2}F + P_c(x-l) = P_c x + \frac{F}{2} - P_c l$
 $M = -\frac{1}{2}F_{x} + P_c x (l-\frac{x}{2}) = -P_c \frac{x^2}{2} + x (P_c l - \frac{F}{2})$

$$V + X_A = 0$$
 $T - p_c 2L + Y_A + Y_B = 0$

(à la corpe): $A - Y_A \times - Y_B \cdot (x - 2l) + p_c 2L (x - l) = 0$

Donc
$$|N=0|$$

$$T = 2p L^2 - Y_A - Y_B$$

$$= 2p L - 2p L - F$$

$$|T=-F|$$

$$M = Y_{A} \times + Y_{B} (x-2l) - \rho_{c} 2l (x-l)$$

$$= \rho_{c} 2l (l-x) + (-\frac{1}{2}F + \rho_{c}l) \times + (\frac{3}{2}F + \rho_{c}l) (x-2l)$$

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$$M = F(x-3L)$$