Trecho AC^- : $0 \leqslant x \leqslant 1$

$N = + H_A$

$N = + 15,0 \text{ kN}$

$V = + V_a$

$V = + 13,75 \text{ kN (Horário)}$

$M = + V_a \cdot x_1$

$= + 13,75 \cdot x_1$

$\begin{cases} x_1 = 0 \rightarrow M = 0 \\ x_1 = 1 \rightarrow M = 13,75 \text{ kNm} \end{cases}$

Trecho BD^+ : $0 \leqslant x_2 \leqslant 2$

$N = 0$

$V = - V_b$

$V = - 1,25 \text{ kN} \left(\begin{smallmatrix} \text{Anti} \\ \text{Horário} \end{smallmatrix} \right)$

$M = + V_b \cdot x_2$

$= 1,25 \, x_2$

$\begin{cases} x_2 = 0 \rightarrow 0 \\ x_2 = 2 \rightarrow 2,50 \text{ kNm} \end{cases}$

Trecho C^+D^- : $0 \leqslant x_3 \leqslant 1$

$N = + H_A$

$N = + 15,0 \text{ kN}$

$V = + V_a - P_1$

$V = + 13,75 - 15,0$

$V = - 1,25 \text{ kN}$

$M = V_a (x_3 + 1) - P_1 (x_3)$

$\begin{cases} x_3 = 0 \rightarrow 13,75 \\ x_0 = 1 \rightarrow 27,5 - 15,0 \\ \qquad = 12,5 \text{ kNm} \end{cases}$