$$M_B = \frac{-20\frac{kN}{m}\,4m^2/8\cdot 6{,}\hat{6}m - (3\cdot 30kN\cdot 5m/16)\,5m}{6{,}\hat{6}m + 5m} + 0{,}429\,\frac{15kNm}{2}$$

$$= 31{,}69..\,kNm \cong \underline{\underline{-31{,}7\ kNm}}$$

Sigamos con los cálculos estáticos siguientes

$R_A = q_1 l_1/2 + M_B/l_1 = 20kN/m\cdot 4m/2 - 31{,}7\,kNm/4m \cong 32{,}08\ kN\ (32{,}1)$

$M_{T_1} = R_A^2/(2q_1) = 32{,}1^2(kN/m)^2/(2\cdot 20\,kN/m) \cong 25{,}8\ kNm$

$l_{01} = 2R_A/q_1 = 2\cdot 32{,}1\,kN/20\,kN/m \cong 3{,}21m;\ x_{01} = \frac{l_{01}}{2}$

$Q_{Ad} = R_A;\ Q_{Biz} = Q_{Ad} - q_1 l_1 = 32{,}1\,kN - 20\,kN/m\cdot 4m = -47{,}9\,kN$

$Q_{Bd} = P/2 - M_B/l_2 + M_C/l_2 = 30\,kN/2 + 31{,}7\,kNm/5m - 15\,kNm/5m =$
$\cong 18{,}3\ kN = Q_{Diz};\ Q_{Dd} = Q_{Diz} - P = 18{,}3\,kN - 30\,kN = -11{,}7\,kN$

$M_{T_2} = Q_{Bd}\cdot a + M_B = 18{,}3\,kN\cdot 2{,}5m - 31{,}7\,kNm = 14{,}05\,kNm\ (14{,}1)$

$Q_{Ciz} = Q_{Dd} = -11{,}7\,kN;\ Q_{Cd} = 10\ kN = Q_{Eiz}.$