

Cas de charge	Réactions	Moments fléchissants
	$R_A = -\frac{1}{l_1} (Pb + M_B)$ $R_B = -\frac{Pa}{l_1} + M_B \left(\frac{1}{l_1} + \frac{1}{l_2} \right)$ $R_0 = -\frac{M_B}{l_2}$	$M_B = -\frac{Pa}{(l_1 + l_2) 2l_1} (l_1^2 - a^2)$ $M_D = -R_A a$
	$R_A = \frac{1}{l_1} (P_1 b_1 + M_B)$ $R_B = -\frac{P_1 a_1}{l_1} - \frac{P_2 b_2}{l_2} + M_B \left(\frac{1}{l_1} + \frac{1}{l_2} \right)$ $R_0 = -\frac{1}{l_2} (P_2 a_2 + M_B)$	$M_D = -R_A a_1$ $M_B = \frac{P_1 a_1 (l_1^2 - a_1^2) + \frac{P_2 b_2}{l_2} (l_2^2 - b_2^2)}{2(l_1 + l_2)}$ $M_B = -R_B b_2$
	$R_A = -\frac{p l_1}{2} - \frac{M_B}{l_1}$ $R_B = -\frac{p l_1}{2} - \frac{p l_2}{2} + M_B \left(\frac{1}{l_1} + \frac{1}{l_2} \right)$ $R_0 = -\frac{p l_2}{2} - \frac{M_B}{l_2}$	$M_B = -\frac{p l_1^3 + p l_2^3}{8(l_1 + l_2)}$
	$R_A = -\frac{M_B}{l_1} \frac{l_1 [l_1 (2a + c) + 3al_2]}{6(l_1 + l_2)}$ $R_B = M_B \left(\frac{1}{l_1} + \frac{1}{l_2} \right) - \frac{1}{6} [l_1 (a + 2c) + l_2 (2a + c)]$ $R_0 = -\frac{M_B}{l_2} \frac{l_2 [l_2 (a + 2c) + 3cl_1]}{6(l_1 + l_2)}$	$M_B = -\frac{l_1^3 (7a + 8b) + l_2^3 (7c + 8b)}{120(l_1 + l_2)}$
	$R_A = \frac{1}{l_1} (\mu - M_B)$ $R_B = M_B \left(\frac{1}{l_1} + \frac{1}{l_2} \right) - \frac{\mu}{l_1}$ $R_0 = -\frac{M_B}{l_2}$	$M_B = -\mu \frac{l_1^3 - 3a^3}{l_1 (l_1 + l_2)}$ $M_D = \frac{a}{l_1} (M_B - \mu)$ $M'_B = M_B + \mu$
	$R_A = R_B = \frac{p l_1}{2} - \frac{M_B}{l_1}$ $R_B = R_0 = -\frac{p l_1}{2} - \frac{p l_2}{2} + \frac{M_B}{l_1}$	$M_B = M_0 = -\frac{p l_1^3 + p l_2^3}{4(2l_1 + 3l_2)}$ $M_D = M_B + \frac{p l_2^3}{8}$ M max travées AB et CD $= \frac{R_A^3}{2p_1} = \frac{R_D^3}{2p_1}$ à l'abscisse $x = \frac{l_1}{2} + \frac{M_B}{p l_1}$
	$R_A = -\frac{Pb^3}{2l^3} (3l - b)$ $R_B = -\frac{Pa^3}{2l^3} (3l^2 - a^2)$	$M_A = 0$ $M_B = -\frac{Pab}{2l} \left(1 + \frac{a}{l} \right)$ $M_0 = \frac{Pab^2}{2l^3} (3l - b)$
	$R_A = -\frac{3}{8} pl$ $R_B = -\frac{8}{5} pl$	$M_B = -\frac{pl^2}{8}$ $M_{max} = \frac{l}{2p} R_A^2$ à l'abscisse $x = \frac{3}{8} l$
	$R = -\frac{1}{40} (11a + 4b)$ $R_B = -\frac{1}{40} (9a + 16b)$	$M_B = -\frac{l^3}{120} (70 + 8b)$ $M_{max} = \left(\frac{a + Kx}{3} \right) \frac{x^2}{2} - R_A x$ avec $x = \frac{-a + \sqrt{a^2 - 2KR_A}}{K}$
	$R_A = -\frac{Pb^3}{l^3} (2a + l)$ $R_B = -\frac{Pa^3}{l^3} (2b + l)$	$M_A = -\frac{Pba^3}{l^3}$ $M_B = -\frac{Pab^3}{l^3}$ $M_0 = \frac{Pab}{l} \left(1 - \frac{2a^2}{l^2} \right)$
	$R'_A = R_B = \frac{Pl}{2}$ Flèche en C : $v_0 = \frac{pl^4}{384 EI}$	$M_A = M_B = -\frac{pl^2}{12}$ $M_0 = -\frac{M_A}{2} = \frac{pl^2}{24}$
	$R_A = -\frac{l}{20} (7a + 3b)$ $R_B = -\frac{l}{20} (7b + 3a)$	$M_A = -\frac{l^3}{60} (3a + 2b)$ $M_B = -\frac{l^3}{60} (2a + 3b)$ $M_{max} = \left(a + \frac{Kx}{3} \right) \frac{x^2}{2} - R_A x + M_A$ pour $x = \frac{-a + \sqrt{a^2 - 2KR_A}}{K}$