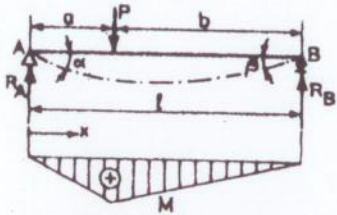
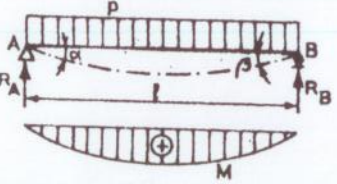
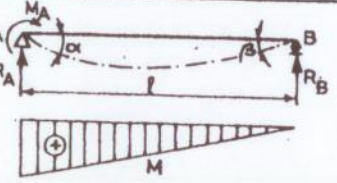
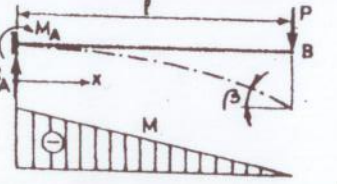
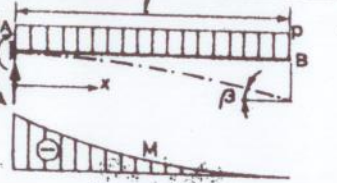
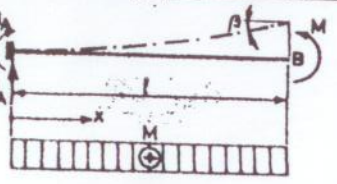


Cas de charge	Reactions	$M_{\max}$	Elastique	Rotations	Flèches
	$R_A = \frac{P b}{l}$ $R_B = \frac{P a}{l}$	$+\frac{P a b}{l}$ pour $x=a$	pour $x < a$: $Y_1 = \frac{P}{6 l E I} (2 a b^2 x + a^2 b x - b x^3)$ pour $x > a$: $Y_2 = \frac{P}{6 l E I} (2 a^2 b (l-x) + a b^2 (l-x) - a (l-x)^3)$	$\alpha = \frac{P a b (l+b)}{6 l E I}$ $\beta = \frac{-P a b (l+a)}{6 l E I}$	Pour $x = a$ $f_a = \frac{P a^2 b^2}{3 l E I}$ $f = f_{\max}$ pour $x = a \sqrt{\frac{1}{3} + \frac{2b}{3a}}$ si $a > b$ pour $x = l-b \sqrt{\frac{1}{3} + \frac{2a}{3b}}$ si $a < b$ Si $a=b=l/2$ $f_{\max} = \frac{P l^3}{48 E I}$
	$R_A = \frac{p l}{2}$ $R_B = \frac{p l}{2}$	$+\frac{p l^2}{8}$	$Y = \frac{p}{24 E I} (x^4 - 2 l x^3 + l^3 x)$	$\alpha = \frac{p l^3}{24 E I}$ $\beta = \frac{-p l^3}{24 E I}$	$f_{\max} = \frac{5}{384} \frac{p l^4}{E I}$ pour $x = \frac{l}{2}$
	$R_A = -\frac{M}{l}$ $R_B = +\frac{M}{l}$	M_A	$Y = \frac{M}{6 l E I} (x^3 - 3 l x^2 + 2 l^2 x)$	$\alpha = \frac{M l}{3 E I}$ $\beta = \frac{-M l}{6 E I}$	$f_{\max} = \frac{M l^2 \sqrt{3}}{27 E I}$ pour $x = l (1 - \frac{\sqrt{3}}{3})$
	$R_A = P$ $M_A = -P l$	$-P l$ pour $x=0$	$Y = \frac{P}{6 E I} (3 l x^2 - x^3)$	$\alpha = 0$ $\beta = \frac{P l^2}{2 E I}$	$f_{\max} = \frac{P l^3}{3 E I}$ pour $x = l$
	$R_A = p l$ $M_A = \frac{-p l^2}{2}$	$\frac{-p l^2}{2}$ pour $x=0$	$Y = \frac{p}{24 E I} (6 l^2 x^2 - 4 l x^3 + x^4)$	$\alpha = 0$ $\beta = \frac{p l^3}{6 E I}$	$f_{\max} = \frac{p l^4}{8 E I}$ pour $x = l$
	$R_A = 0$ $M_A = M$	$M = \text{const.}$	$y = \frac{-M}{2 E I} x^2$	$\alpha = 0$ $\beta = \frac{-M l}{E I}$	$f_{\max} = \frac{-M l^2}{2 E I}$ Pour $x = l$