

SCHEMAT	M_i	M_j	T_i	T_j
$\alpha^2 = \frac{S l^2}{EJ}$ $r(\alpha) = \frac{\alpha^2}{d(\alpha)} (1 - \cos \alpha)$			$b(\alpha) = \frac{\alpha^3}{d(\alpha)} \sin \alpha$ $c(\alpha) = \frac{\alpha}{d(\alpha)} (\sin \alpha - \alpha \cos \alpha)$	$s(\alpha) = -\frac{\alpha}{d(\alpha)} (\alpha - \sin \alpha)$ $d(\alpha) = 2(1 - \cos \alpha) - \alpha \sin \alpha$
	$\frac{EJ \cdot r(\alpha)}{l^2}$	$\frac{EJ \cdot r(\alpha)}{l^2}$	$\frac{EJ \cdot b(\alpha)}{l^3}$	$\frac{EJ \cdot b(\alpha)}{l^3}$
	$\frac{EJ \cdot c(\alpha)}{l}$	$\frac{EJ \cdot s(\alpha)}{l}$	$\frac{EJ \cdot r(\alpha)}{l^2}$	$\frac{EJ \cdot r(\alpha)}{l^2}$
$\alpha^2 = \frac{S l^2}{EJ}$ $c''(\alpha) = \alpha \frac{\cos \alpha}{\sin \alpha}$ $s''(\alpha) = -\frac{\alpha}{\sin \alpha}$				
	0	0	0	0
	$\frac{EJ \cdot c''(\alpha)}{l}$	$\frac{EJ \cdot s''(\alpha)}{l}$	0	0
$\alpha^2 = \frac{S l^2}{EJ}$ $c'(\alpha) = \alpha^2 \frac{\sin \alpha}{\sin \alpha - \alpha \cos \alpha}$ $r'(\alpha) = \alpha^3 \frac{\cos \alpha}{\sin \alpha - \alpha \cos \alpha}$				
	$\frac{EJ \cdot c'(\alpha)}{l^2}$	0	$\frac{EJ \cdot r'(\alpha)}{l^3}$	$\frac{EJ \cdot r'(\alpha)}{l^3}$
	$\frac{EJ \cdot c'(\alpha)}{l}$	0	$\frac{EJ \cdot c'(\alpha)}{l^2}$	$\frac{EJ \cdot c'(\alpha)}{l^2}$
$\alpha^2 = \frac{S l^2}{EJ}$ $c''(\alpha) = -\alpha \frac{\sin \alpha}{\cos \alpha}$				
	$\frac{EJ}{l} c''(\alpha)$	0	0	0
$\alpha^2 = \frac{S l^2}{EJ}$				
	0	0	$\frac{EJ}{l^3} \alpha^2$	$\frac{EJ}{l^3} \alpha^2$
SCHEMAT	M_i	M_j	T_i	T_j
	$\frac{6EJ}{l^2}$	$\frac{6EJ}{l^2}$	$\frac{12EJ}{l^3}$	$\frac{12EJ}{l^3}$
	$\frac{4EJ}{l}$	$\frac{2EJ}{l}$	$\frac{6EJ}{l^2}$	$\frac{6EJ}{l^2}$
	$\frac{3EJ}{l^2}$	0	$\frac{3EJ}{l^3}$	$\frac{3EJ}{l^3}$
	$\frac{3EJ}{l}$	0	$\frac{3EJ}{l^2}$	$\frac{3EJ}{l^2}$