

DEFORMAČNÍ METODA – Celkové koncové momenty a síly

	prut typu V-V	
$k = \frac{2EI}{L}$	$M_{ab} = \bar{M}_{ab} + k \left(2\varphi_a + \varphi_b + 3 \frac{w_b^l - w_a^l}{L} \right)$ $Z_{ab}^l = \bar{Z}_{ab}^l - \frac{k}{L} \left(3\varphi_a + 3\varphi_b + 6 \frac{w_b^l - w_a^l}{L} \right)$ $X_{ab}^l = \bar{X}_{ab}^l - n(u_b^l - u_a^l)$	$M_{ba} = \bar{M}_{ba} + k \left(\varphi_a + 2\varphi_b + 3 \frac{w_b^l - w_a^l}{L} \right)$ $Z_{ba}^l = \bar{Z}_{ba}^l + \frac{k}{L} \left(3\varphi_a + 3\varphi_b + 6 \frac{w_b^l - w_a^l}{L} \right)$ $X_{ba}^l = \bar{X}_{ba}^l + n(u_b^l - u_a^l)$
	prut typu V-K	
$n = \frac{EA}{L}$	$M_{ab} = \bar{M}_{ab} + k \left(1,5\varphi_a + 1,5 \frac{w_b^l - w_a^l}{L} \right)$ $Z_{ab}^l = \bar{Z}_{ab}^l - \frac{k}{L} \left(1,5\varphi_a + 1,5 \frac{w_b^l - w_a^l}{L} \right)$ $X_{ab}^l = \bar{X}_{ab}^l - n(u_b^l - u_a^l)$	<p style="text-align: center;">x</p> $Z_{ba}^l = \bar{Z}_{ba}^l + \frac{k}{L} \left(1,5\varphi_a + 1,5 \frac{w_b^l - w_a^l}{L} \right)$ $X_{ba}^l = \bar{X}_{ba}^l + n(u_b^l - u_a^l)$
	prut typu K-V	
x	$Z_{ab}^l = \bar{Z}_{ab}^l - \frac{k}{L} \left(1,5\varphi_b + 1,5 \frac{w_b^l - w_a^l}{L} \right)$ $X_{ab}^l = \bar{X}_{ab}^l - n(u_b^l - u_a^l)$	$M_{ba} = \bar{M}_{ba} + k \left(1,5\varphi_b + 1,5 \frac{w_b^l - w_a^l}{L} \right)$ $Z_{ba}^l = \bar{Z}_{ba}^l + \frac{k}{L} \left(1,5\varphi_b + 1,5 \frac{w_b^l - w_a^l}{L} \right)$ $X_{ba}^l = \bar{X}_{ba}^l + n(u_b^l - u_a^l)$
Transformace koncových sil		
	$X^g = X^l \cos \alpha - Z^l \sin \alpha$ $Z^g = X^l \sin \alpha + Z^l \cos \alpha$	
Transformace styčnickových posunů		
	$u^l = u^g \cos \alpha + w^g \sin \alpha$ $w^l = -u^g \sin \alpha + w^g \cos \alpha$	