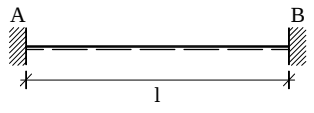
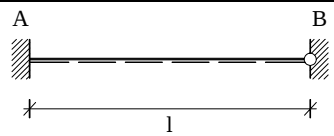
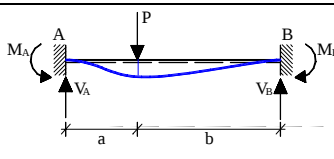
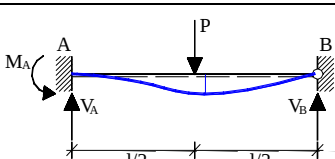
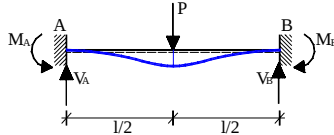
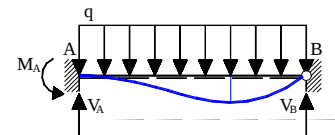
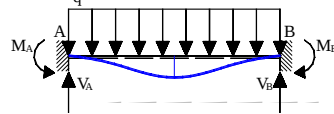
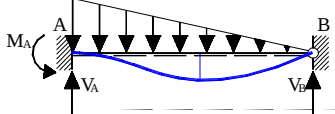
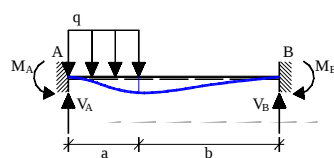
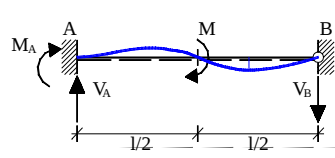
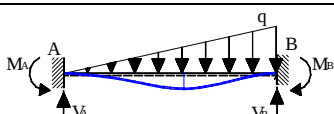
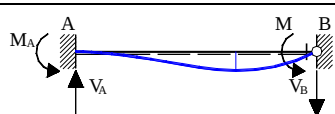
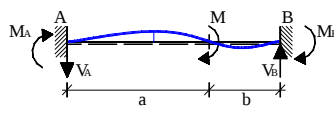
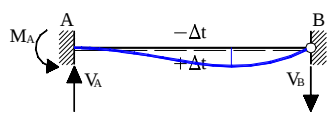
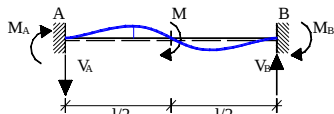
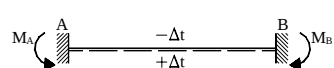
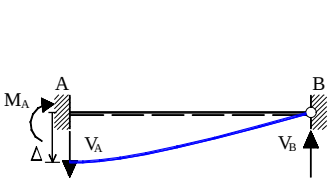
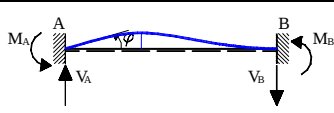
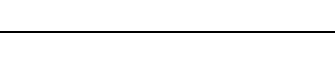
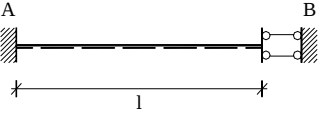
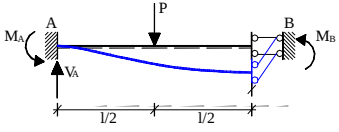
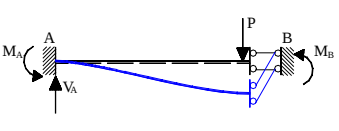
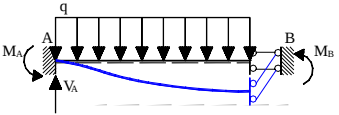
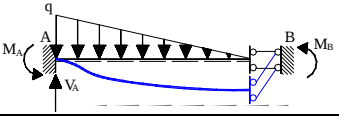
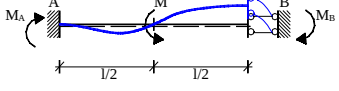
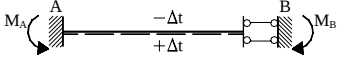
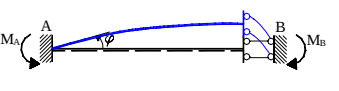


SOLUZIONI DI TRAVI ELEMENTARI VARIAMENTE CARICATE

Travi con doppio incastro		Travi con incastro e cerniera	
CARICHI ESTERNI		CARICHI ESTERNI	
	$V_A = \frac{Pb^2}{l^3}(1+2a); \quad V_B = \frac{Pa^2}{l^3}(1+2b)$ $M_A = -\frac{Pab^2}{l^2}; \quad M_B = \frac{Pa^2b}{l^2}$		$V_A = \frac{11}{16}P; \quad V_B = \frac{5}{16}P$ $M_A = \frac{3}{16}Pl$
	$V_A = V_B = \frac{P}{2}$ $M_A = M_B = \frac{Pl}{8}$		$V_A = \frac{5}{8}ql; \quad V_B = \frac{3}{8}ql$ $M_A = \frac{ql^2}{8}$
	$V_A = V_B = \frac{ql}{2}$ $M_A = M_B = \frac{ql^2}{12}$		$V_A = \frac{2}{5}ql; \quad V_B = \frac{ql}{10}$ $M_A = \frac{ql^2}{15}$
	$V_A = \frac{qa}{2} \left(2 - \frac{2a^2}{l^2} + \frac{a^3}{l^3} \right);$ $V_B = \frac{qa^3}{2l^2} \left(2 - \frac{a}{l} \right)$ $M_A = -qa^2 \left(\frac{1}{2} - \frac{2a}{3l} + \frac{a^2}{4l^2} \right);$ $M_B = -qa^2 \left(\frac{a}{3l} - \frac{a^2}{4l^2} \right)$		$V_A = -V_B = \frac{9}{8} \frac{M}{l}$ $M_A = \frac{M}{8}$
	$V_A = \frac{3}{20}ql; \quad V_B = \frac{7}{20}ql$ $M_A = \frac{1}{30}ql^2; \quad M_B = \frac{1}{20}ql^2$		$V_A = -V_B = \frac{3}{2} \frac{M}{l}$ $M_A = \frac{M}{2}$
	$V_A = -V_B = -\frac{6Mab}{l^3}$ $M_A = M \frac{b}{l} \left(2 - 3 \frac{b}{l} \right);$ $M_B = -M \frac{a}{l} \left(2 - 3 \frac{a}{l} \right)$		$V_A = -V_B = \frac{3}{2} \frac{\alpha \Delta t EJ}{lh}$ $M_A = \frac{3}{2} \frac{\alpha \Delta t EJ}{h}$
	$V_A = -V_B = \frac{3}{2} \frac{M}{l}$ $M_A = M_B = \frac{M}{4}$	DISTORSIONI VINCOLARI	
	$M_A = -M_B = \frac{\alpha \Delta t EJ}{h}$		$V_A = -V_B = \frac{3\phi EJ}{l^2}$ $M_A = \frac{3\phi EJ}{l}$
DISTORSIONI VINCOLARI			$V_A = -V_B = \frac{3\Delta EJ}{l^3}$ $M_A = \frac{3\Delta EJ}{l^2}$
	$V_A = -V_B = \frac{6\phi EJ}{l^2}$ $M_A = \frac{4\phi EJ}{l}; \quad M_B = \frac{2\phi EJ}{l}$		$V_A = -V_B = \frac{3\Delta EJ}{l^3}$ $M_A = \frac{3\Delta EJ}{l^2}$
	$V_A = -V_B = \frac{12\Delta EJ}{l^3}$ $M_A = M_B = \frac{6\Delta EJ}{l^2}$		

Travi con incastro e doppio pendolo	
CARICHI ESTERNI	
	$V_A = P$ $M_A = \frac{3}{8}Pl$; $M_B = \frac{Pl}{8}$
	$V_A = P$ $M_A = M_B = \frac{Pl}{2}$
	$V_A = ql$ $M_A = \frac{ql^2}{3}$; $M_B = \frac{ql^2}{6}$
	$V_A = \frac{ql}{2}$ $M_A = \frac{ql^2}{8}$; $M_B = \frac{ql^2}{24}$
	$M_A = M_B = \frac{M}{2}$
	$M_A = -M_B = \frac{\alpha \Delta t EJ}{h}$
DISTORSIONI VINCOLARI	
	$M_A = -M_B = \frac{\phi EJ}{l}$
	