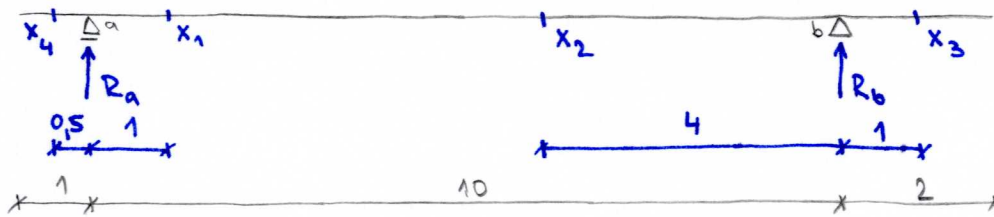
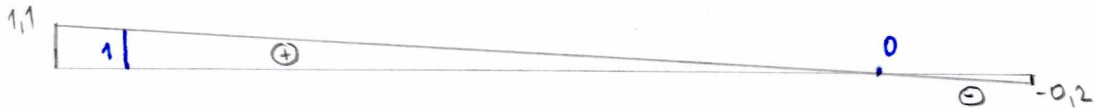


Příčinkové čáry - prostý nosník s převislými konci

Př. 1



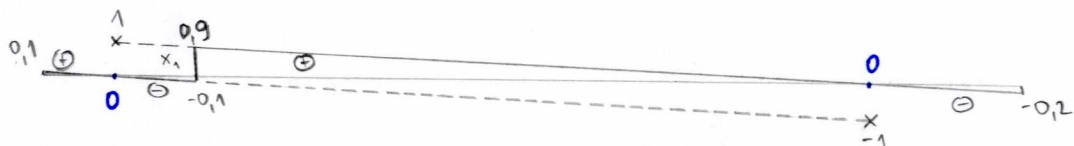
R_a



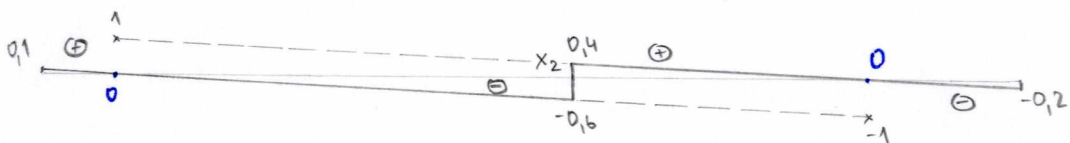
R_b



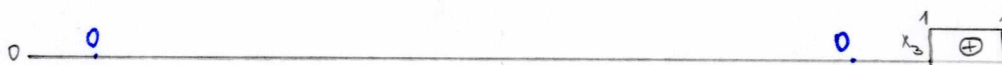
V_{x1}



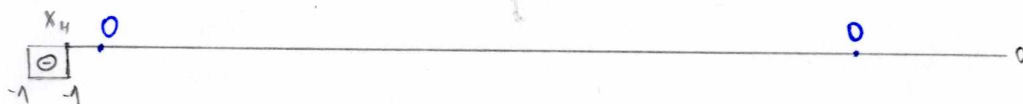
V_{x2}



V_{x3}



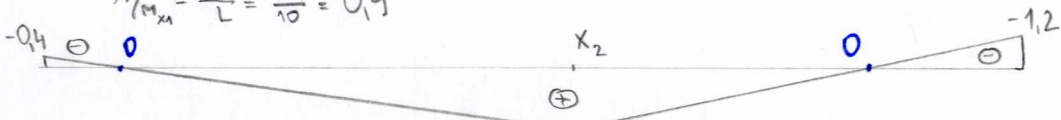
V_{x4}



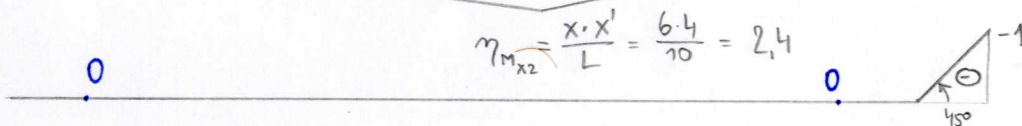
M_{x1}



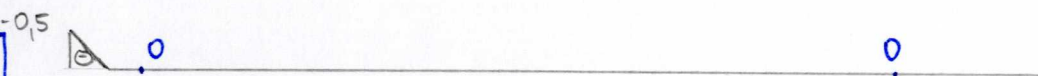
M_{x2}



M_{x3}



M_{x4}

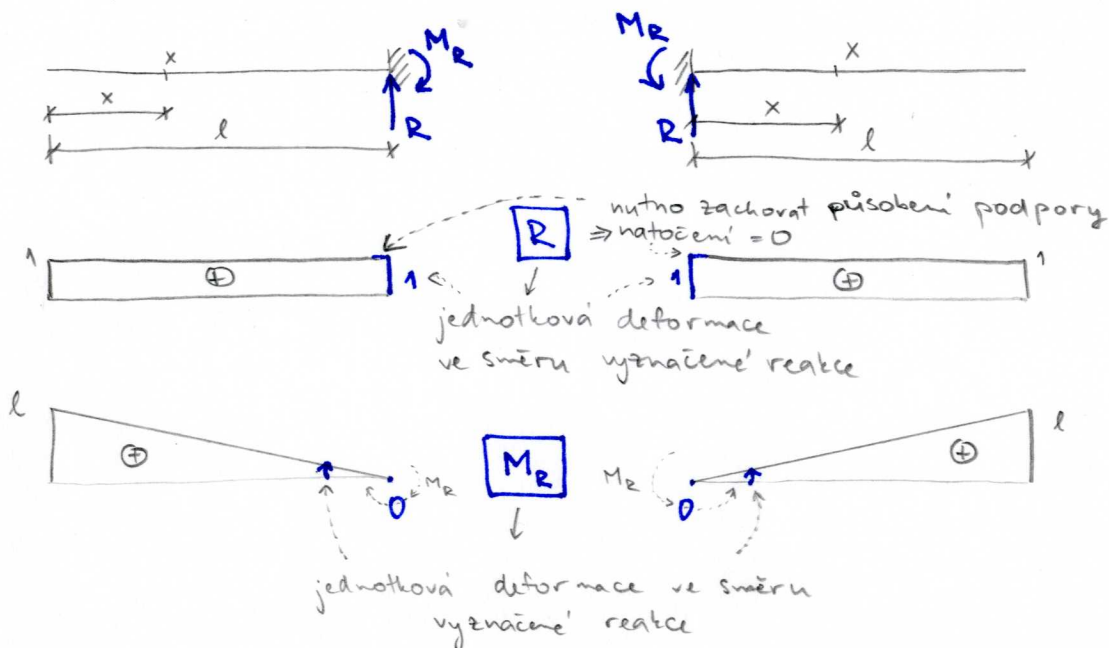


$$\eta_{M_{x1}} = \frac{x \cdot x'}{L} = \frac{1 \cdot 9}{10} = 0.9$$

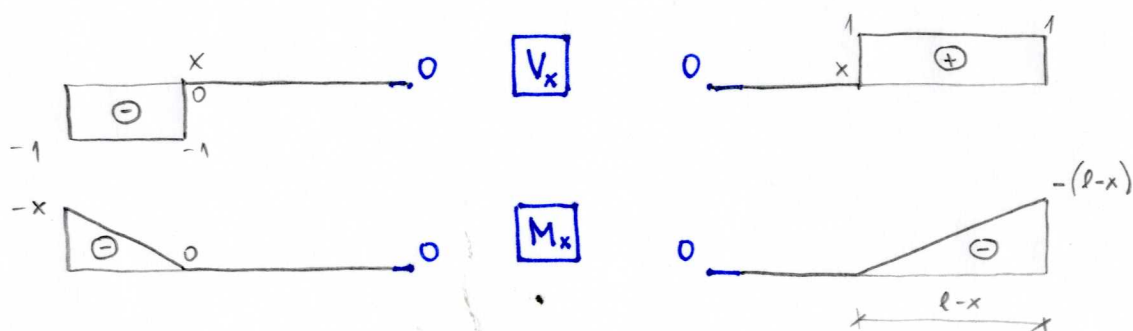
$$\eta_{M_{x2}} = \frac{x \cdot x'}{L} = \frac{6 \cdot 4}{10} = 2.4$$

Příčinkové čáry - konzoly

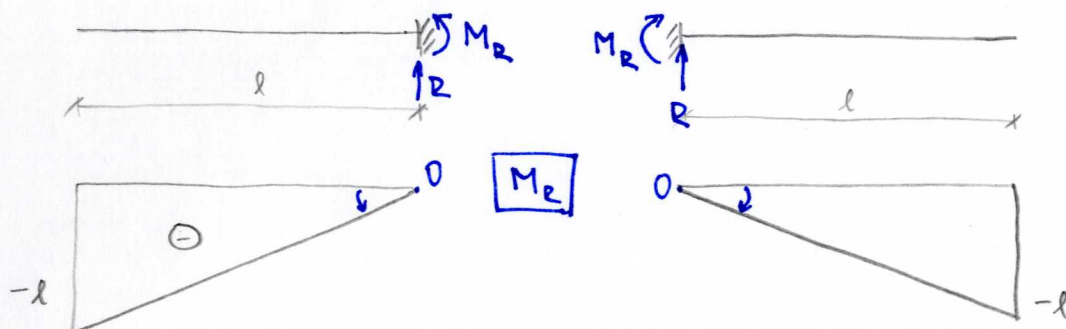
Př. 2



! PČ momentové reakce: $\frac{\oplus}{\ominus}$ x PČ vnitřní síly M : $\frac{\ominus}{\oplus}$!

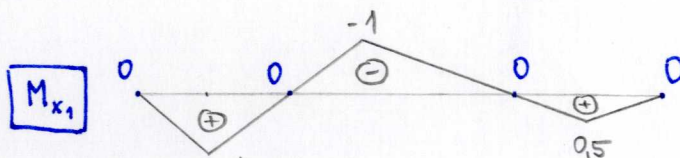
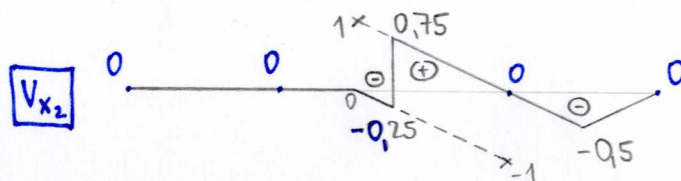
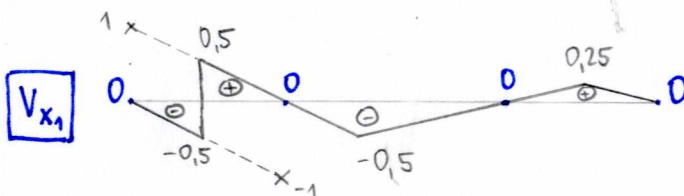
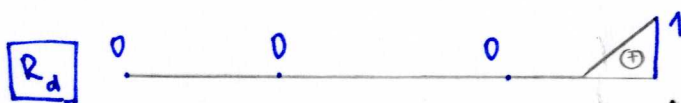
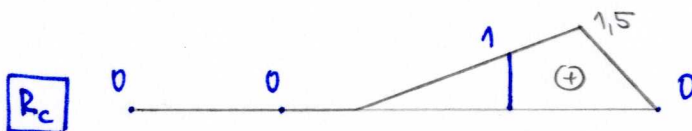
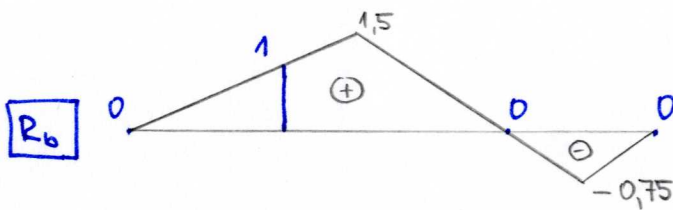
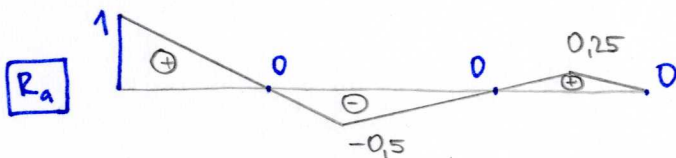
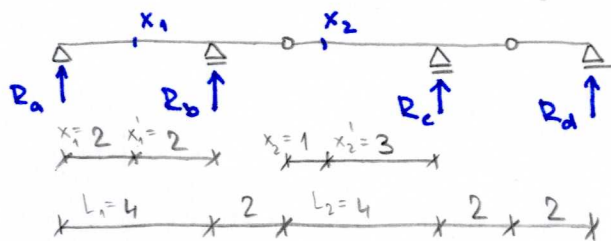


Pozn. V případě PČ reakcí dochází k deformaci ve směru vyznačené reakce $\rightarrow$ PČ. (momentová reakce ve větvení zakreslena s opačnou orientací):

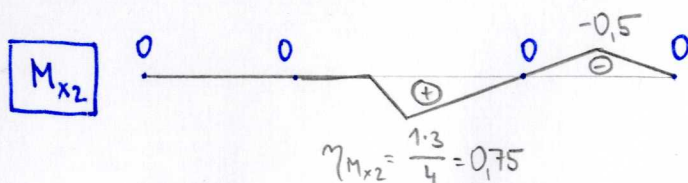


Příčinkové čáry - Gerberovy nosníky

Př. 3

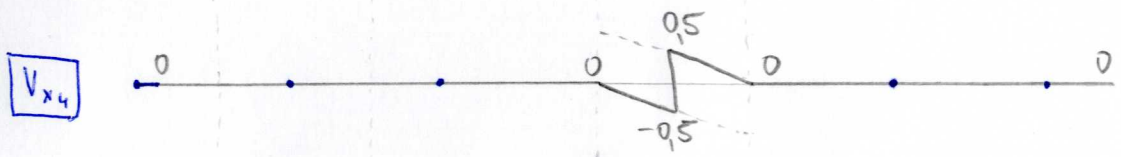
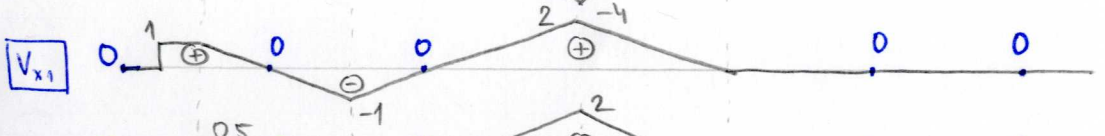
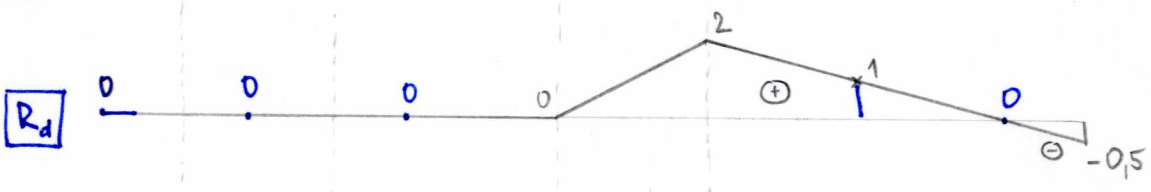
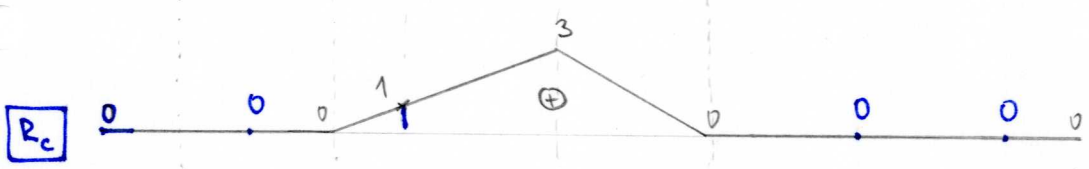
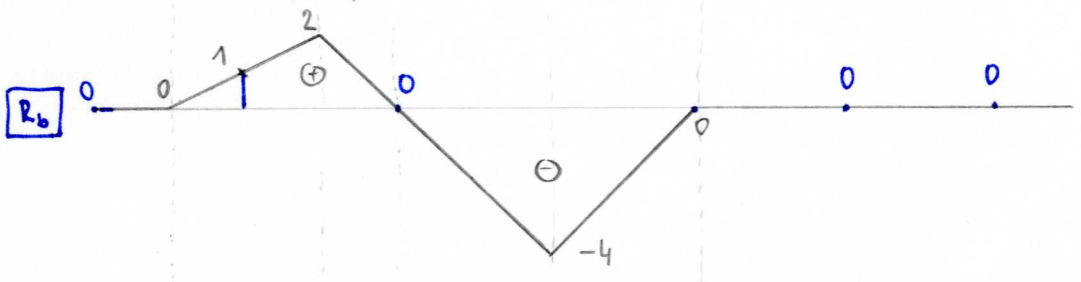
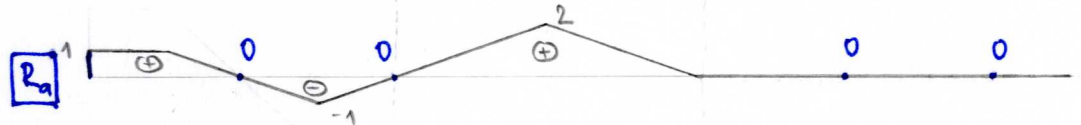
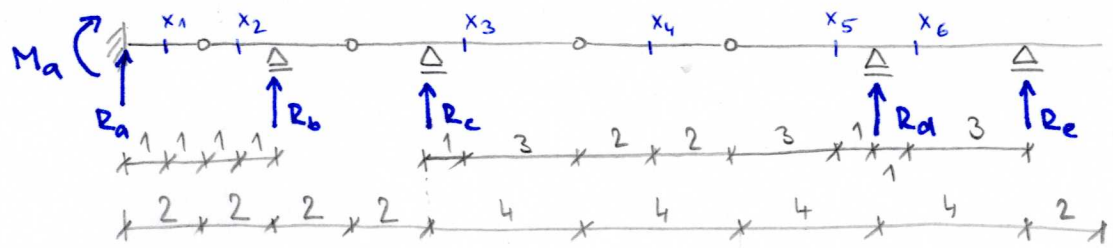


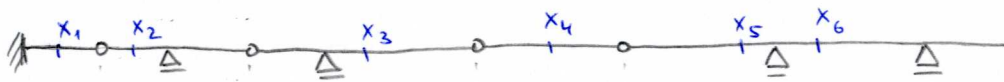
$$\eta_{M_{X1}} = \frac{x \cdot x'}{L} = \frac{2 \cdot 2}{4} = 1$$



$$\eta_{M_{X2}} = \frac{1 \cdot 3}{4} = 0.75$$

Pr. 4

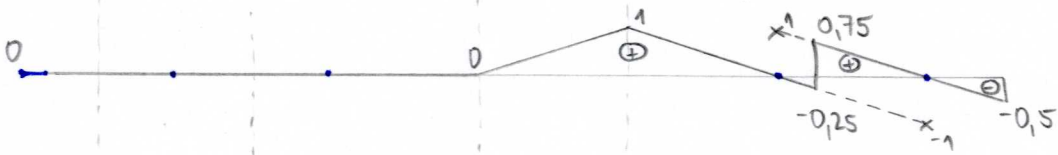




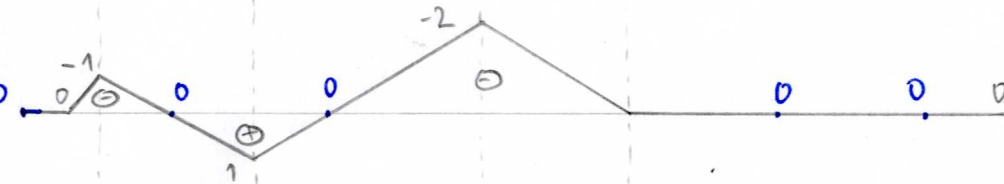
V_{x_5}



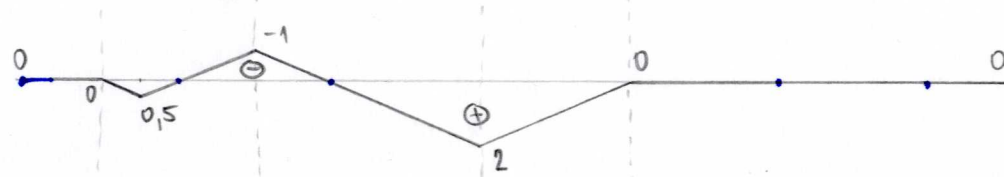
V_{x_6}



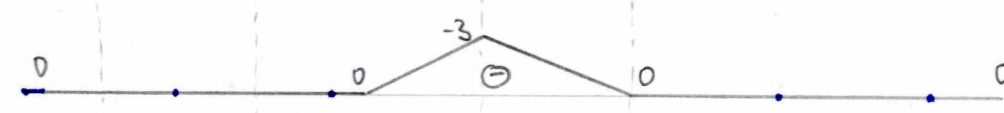
M_{x_1}



M_{x_2}



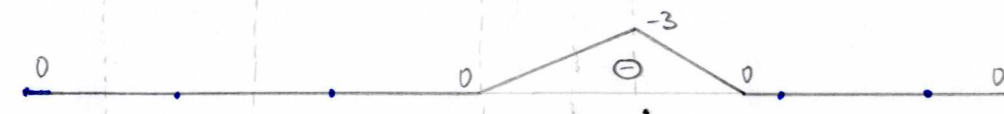
M_{x_3}



M_{x_4}



M_{x_5}



M_{x_6}

