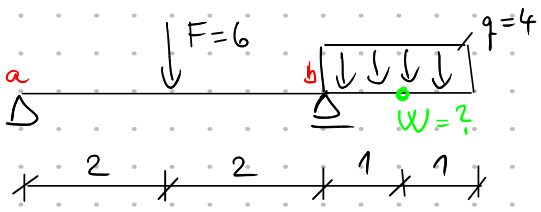
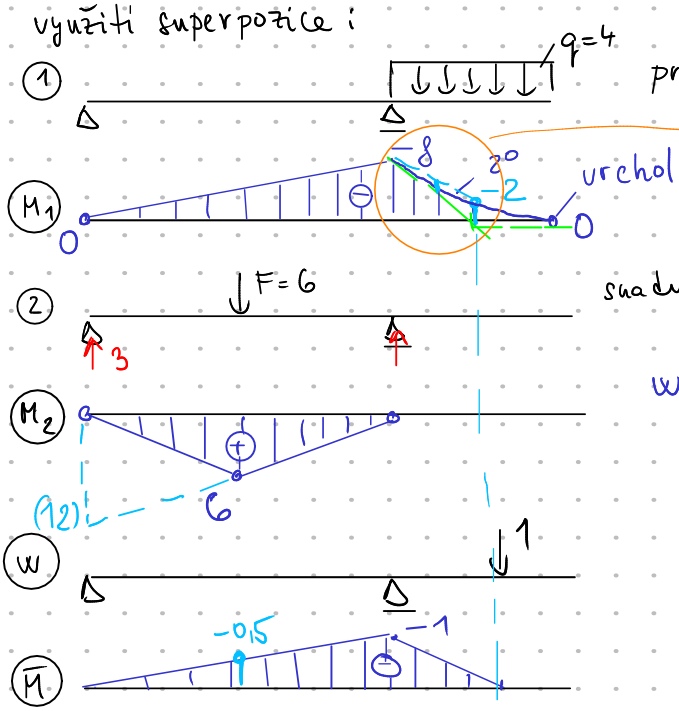
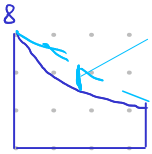


využití superpozice:



pro vykreslení netřeba reakce



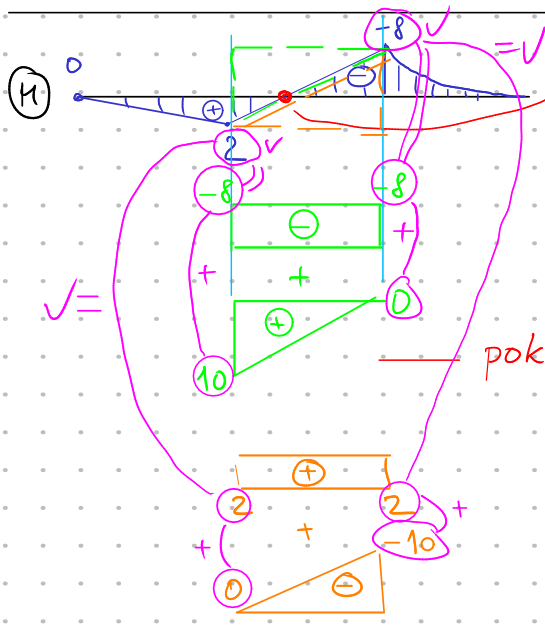
$\frac{1}{8}qL^2 = \frac{1}{8}\cdot 4\cdot 1^2 = \frac{1}{2}$

snadné určení reakcí $R_{az} = R_{bz} = \frac{F}{2} = 3$

$$w = \frac{1}{EI}\int M\bar{M}dx = \frac{1}{EI}\left[+\frac{1}{2}4\cdot 8\cdot\left(\frac{2}{3}1\right) - \frac{1}{2}12\cdot 4\cdot\left(\frac{1}{3}1\right) \right.$$

$$\left. +\frac{1}{2}12\cdot 2\left(\frac{1}{3}\frac{1}{2}\right) + \frac{1}{2}1\cdot 1\cdot\left(\frac{1}{3}2+\frac{2}{3}8\right) - \frac{2}{3}\cdot 1\cdot\frac{1}{2}\cdot\left(\frac{1}{2}1\right)\right] =$$

$$= \frac{7{,}5}{EI}$$



zbytečné hledat průsečík

pokud se mi hodí úč. Δ na opačnou stranu

$$w = \frac{1}{EI}\left[-\frac{1}{2}\cdot 2\cdot\frac{1}{2}\cdot\left(\frac{2}{3}2\right) + \frac{(0{,}5+1)}{2}\cdot 2\cdot(8) - \frac{1}{2}2\cdot 10\cdot\left(\frac{2}{3}\frac{1}{2}+\frac{1}{3}1\right)\right.$$

$$\left. +\frac{1}{2}1\cdot 1\cdot\left(\frac{1}{3}2+\frac{2}{3}8\right) - \frac{2}{3}\cdot 1\cdot\frac{1}{2}\cdot\left(\frac{1}{2}1\right)\right] = \frac{7{,}5}{EI}$$