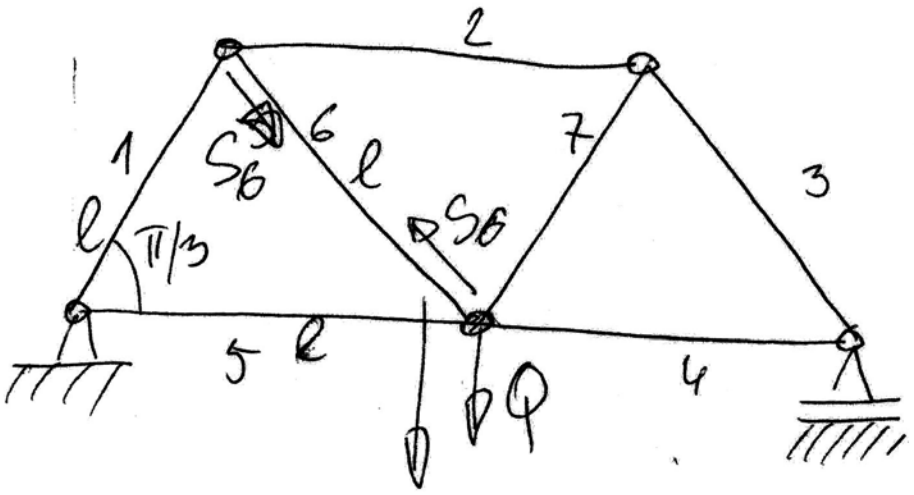
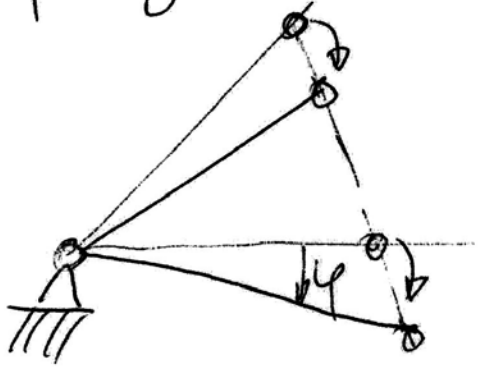
D: rozměry, l

Q

U: S_6



$$Q \cdot \delta y - S \delta s = 0$$



$$y = l \sin\varphi$$

$$s = \sqrt{l^2 + l^2 - 2l \cdot l \cdot \cos(\pi/3 + 2\varphi)}$$

$$\delta y = l \cos\varphi \, \delta\varphi$$

$$\delta s = \frac{1}{2}\left[2l^2 - 2l^2\cos(\pi/3 + 2\varphi)\right]^{-\frac{1}{2}} \left[2l^2 \sin(\pi/3 + 2\varphi) \cdot 2 \, \delta\varphi\right]$$

$$Q l \cos\varphi \, \delta\varphi - S \frac{1 \cdot 2l^2 \cdot 2 \cdot \sin(\pi/3 + 2\varphi)}{l\sqrt{2l^2 - 2l^2\cos(\pi/3 + 2\varphi)}} \delta\varphi = 0$$

$$S = \frac{Q \cos\varphi \sqrt{2 - 2\cos(\pi/3 + 2\varphi)}}{2 \cdot \sin(\pi/3 + 2\varphi)}$$

$\varphi = 0 \Rightarrow S$