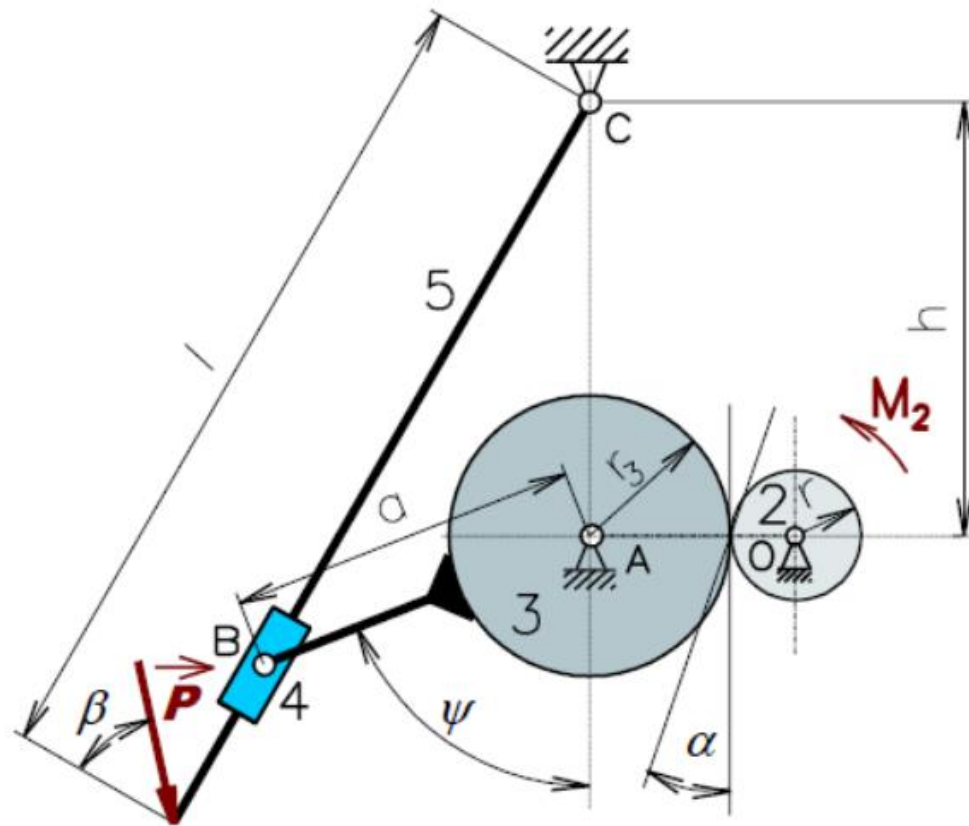
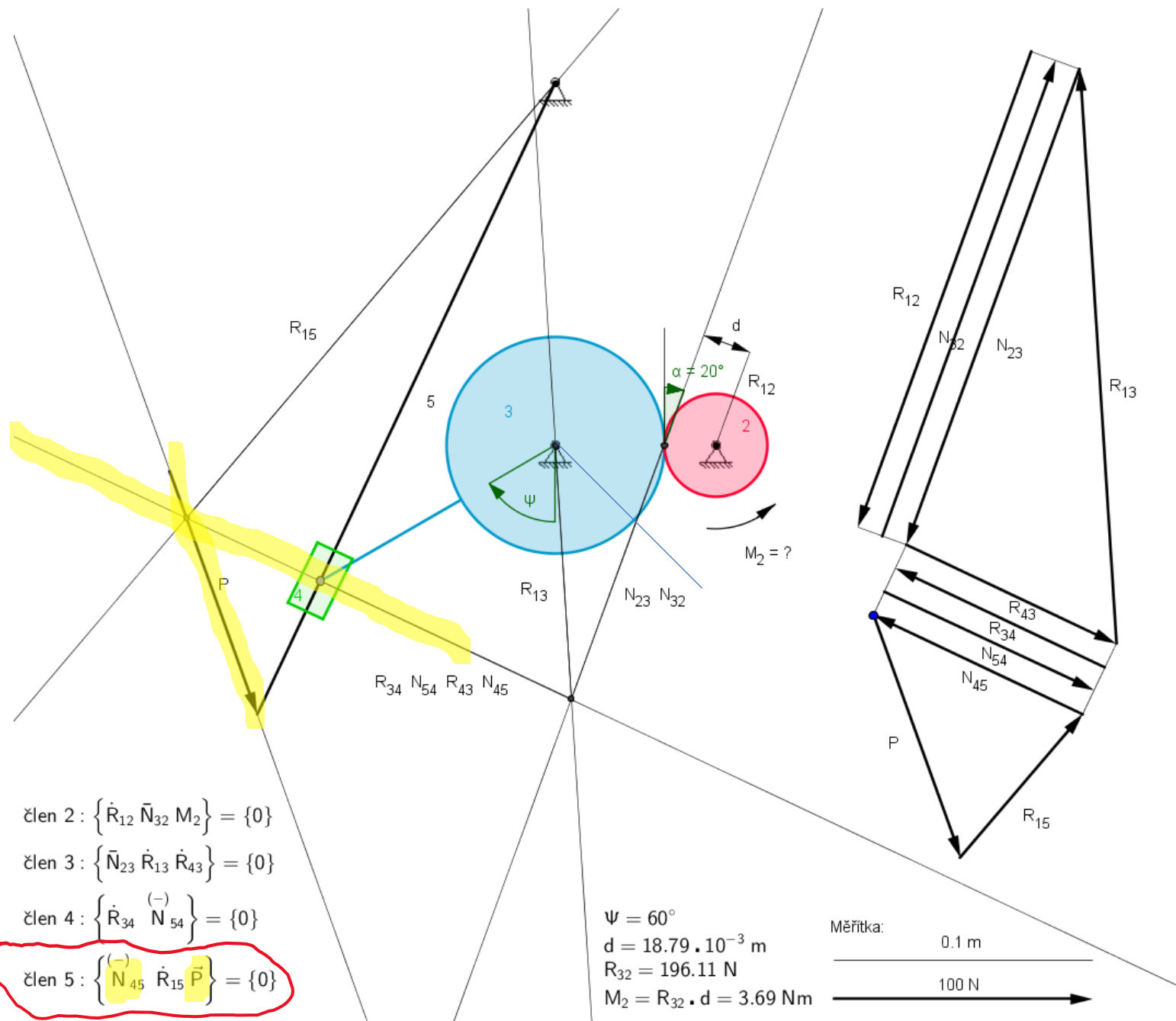


Zadání



Mechanismus podavače je zatížen silou \mathbf{P} . Určete graficky velikost momentu hnací silové dvojice \mathbf{M}_2 působící na člen 2 v poloze dané úhlem ψ .

Dáno: $P = 100 \text{ N}$, $l = 0,27 \text{ m}$, $a = 0,105 \text{ m}$, $h = 0,14 \text{ m}$,
 $r_3 = 0,042 \text{ m}$, $r = 0,02 \text{ m}$, $\alpha = 20^\circ$, $\beta = 45^\circ$, $\psi = 60^\circ$.

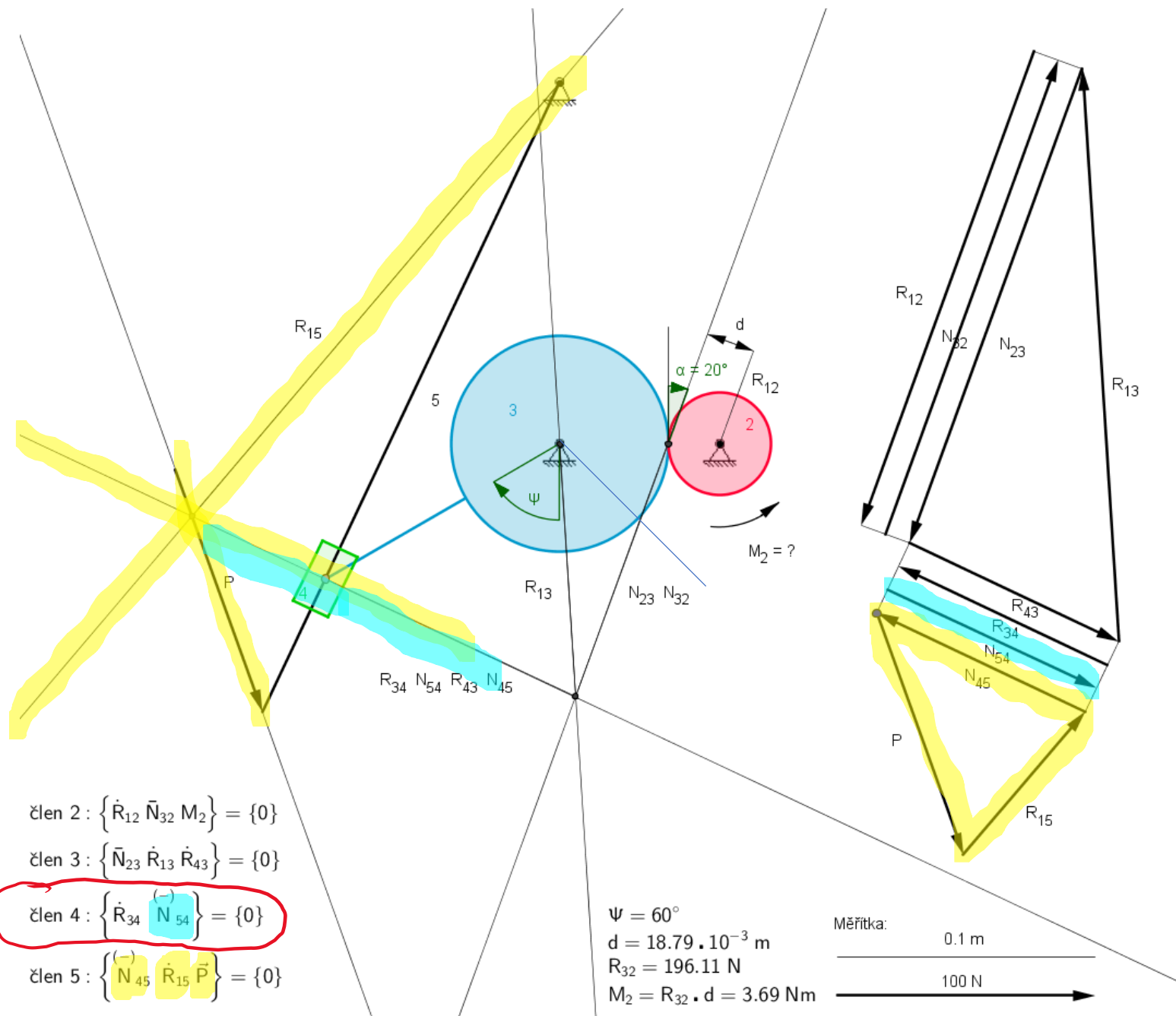


člen 2 : $\{ \dot{R}_{12} \ \bar{N}_{32} \ M_2 \} = \{ 0 \}$

člen 3 : $\{ \bar{N}_{23} \ \dot{R}_{13} \ \dot{R}_{43} \} = \{ 0 \}$

člen 4 : $\{ \dot{R}_{34} \ \overset{(-)}{N}_{54} \} = \{ 0 \}$

člen 5 : $\{ \overset{(-)}{N}_{45} \ \dot{R}_{15} \ \bar{P} \} = \{ 0 \}$

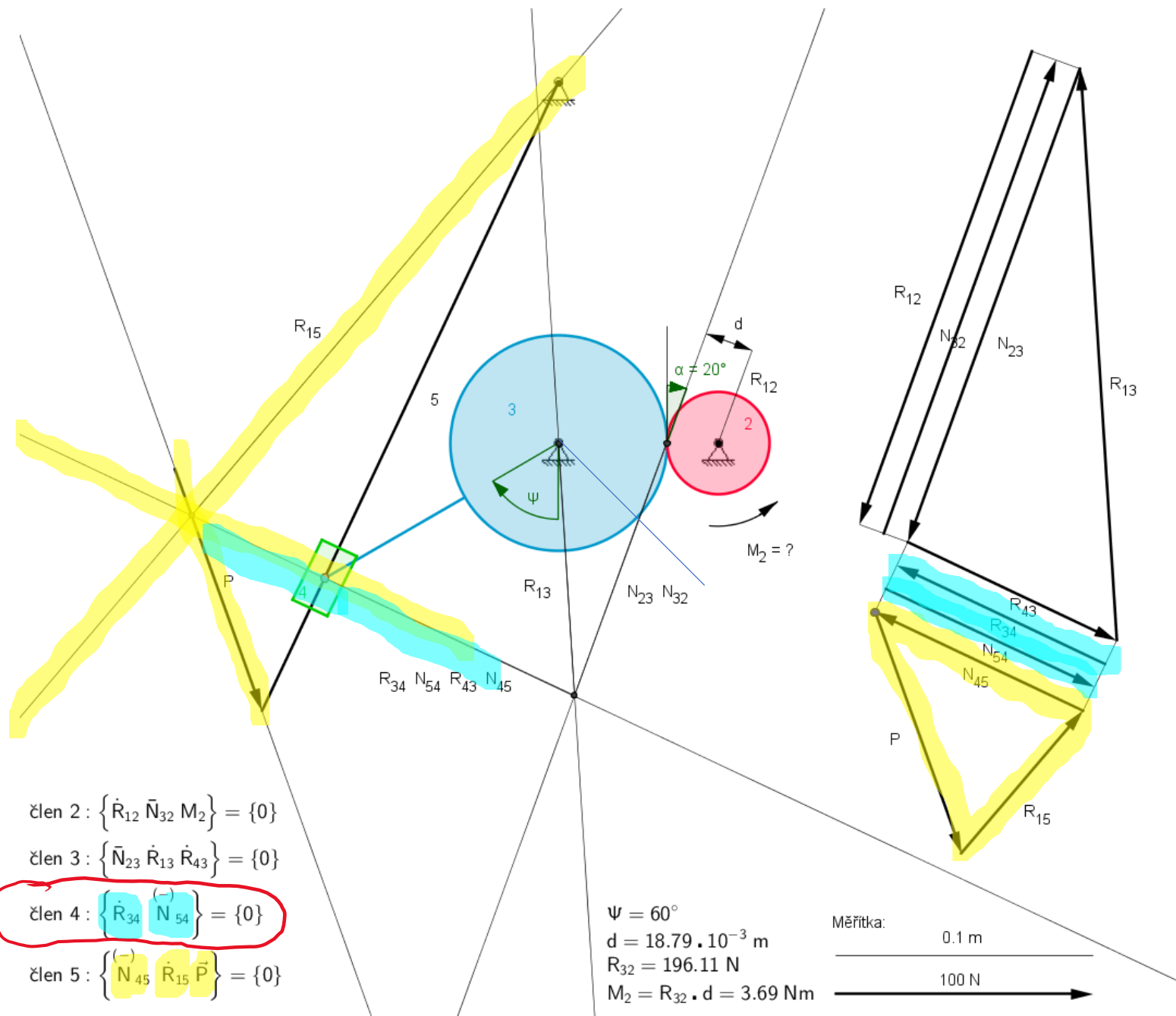


$$\text{člen 2: } \begin{Bmatrix} \dot{R}_{12} \\ \dot{N}_{32} \\ M_2 \end{Bmatrix} = \{0\}$$

$$\text{člen 3: } \begin{Bmatrix} \dot{N}_{23} \\ \dot{R}_{13} \\ \dot{R}_{43} \end{Bmatrix} = \{0\}$$

$$\text{člen 4: } \begin{Bmatrix} \dot{R}_{34} \\ \dot{N}_{54} \end{Bmatrix} = \{0\}$$

$$\text{člen 5: } \begin{Bmatrix} \dot{N}_{45} \\ \dot{R}_{15} \\ \dot{P} \end{Bmatrix} = \{0\}$$

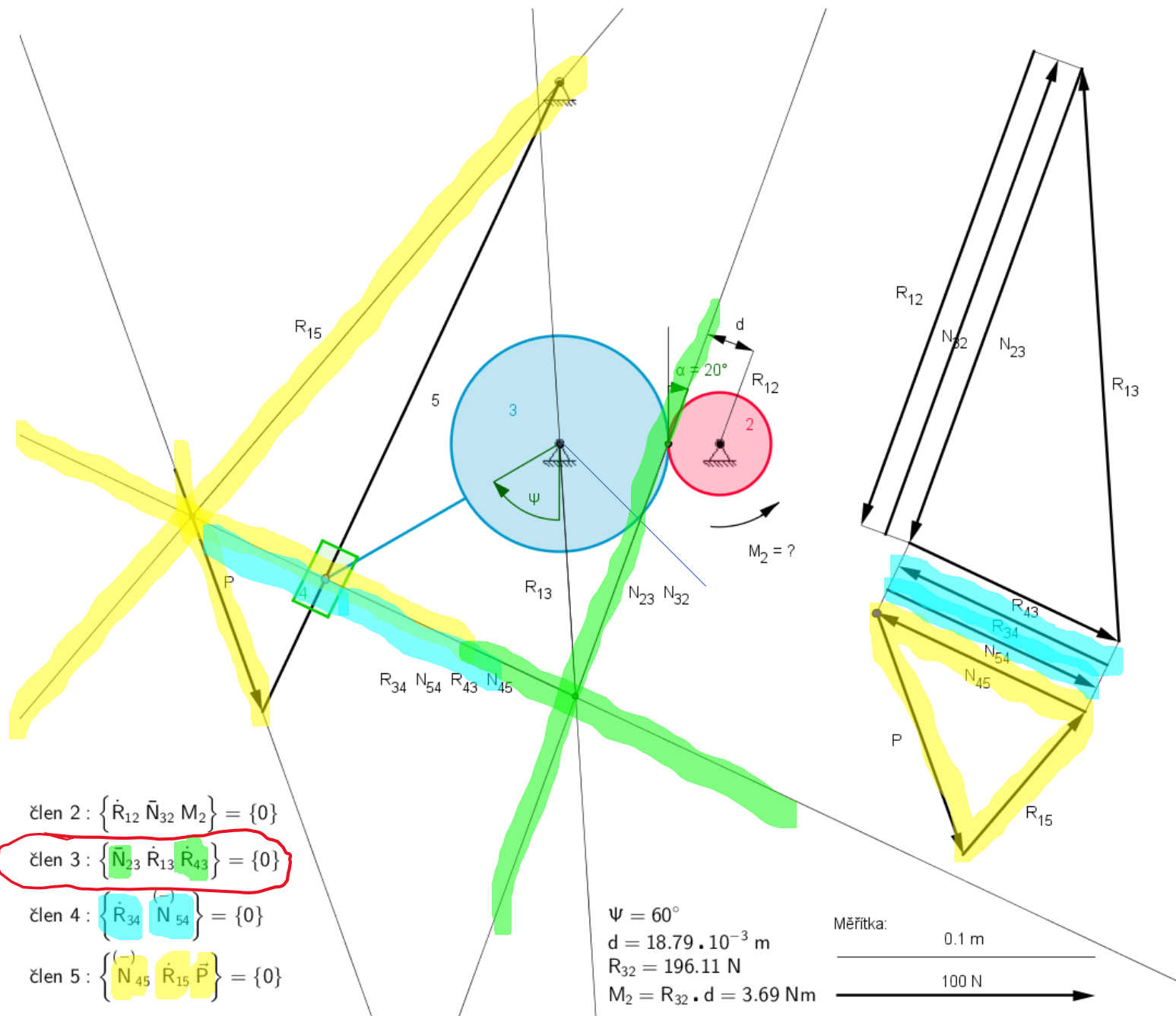


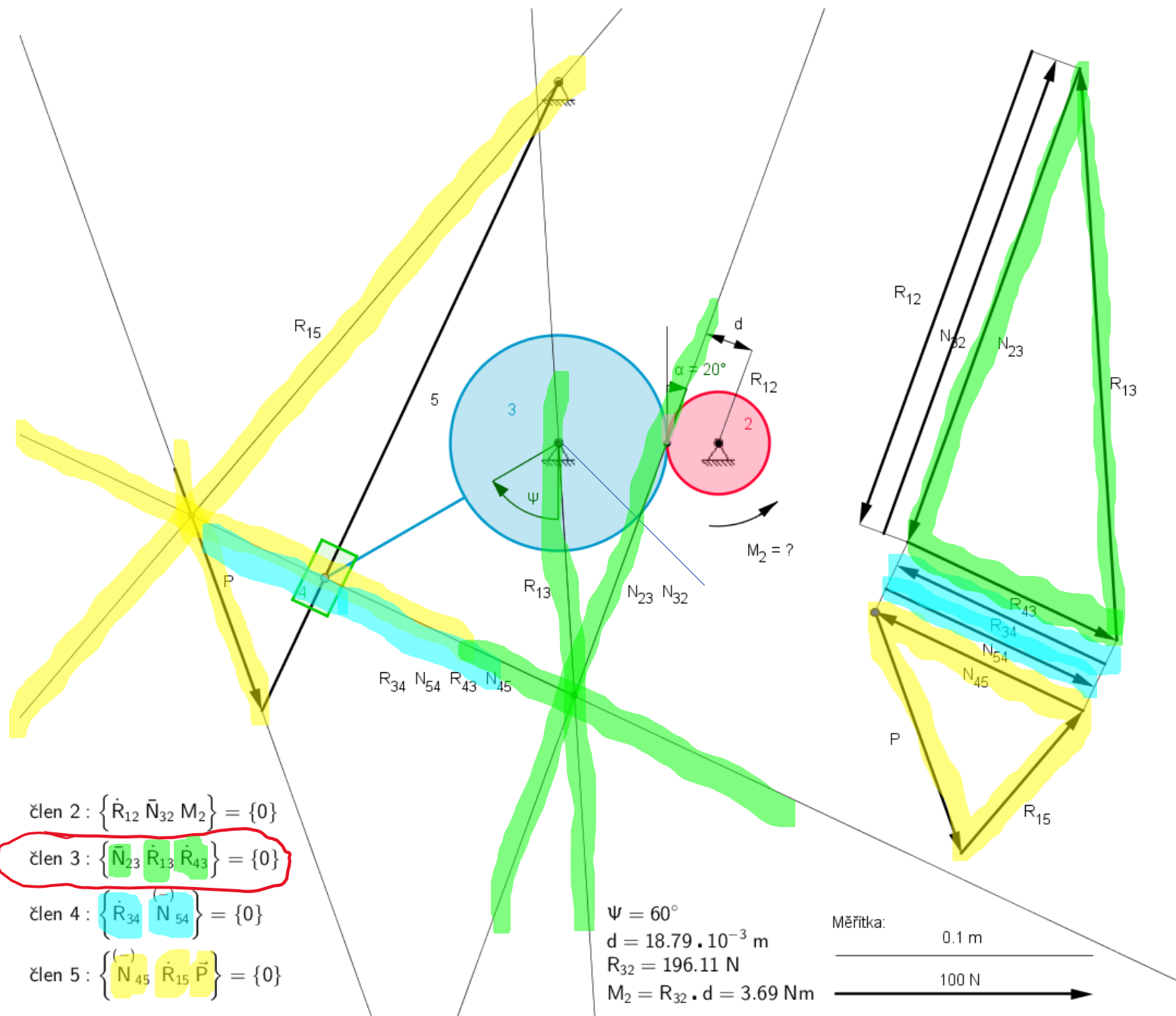
člen 2 : $\{ \dot{R}_{12} \quad \dot{N}_{32} \quad M_2 \} = \{ 0 \}$

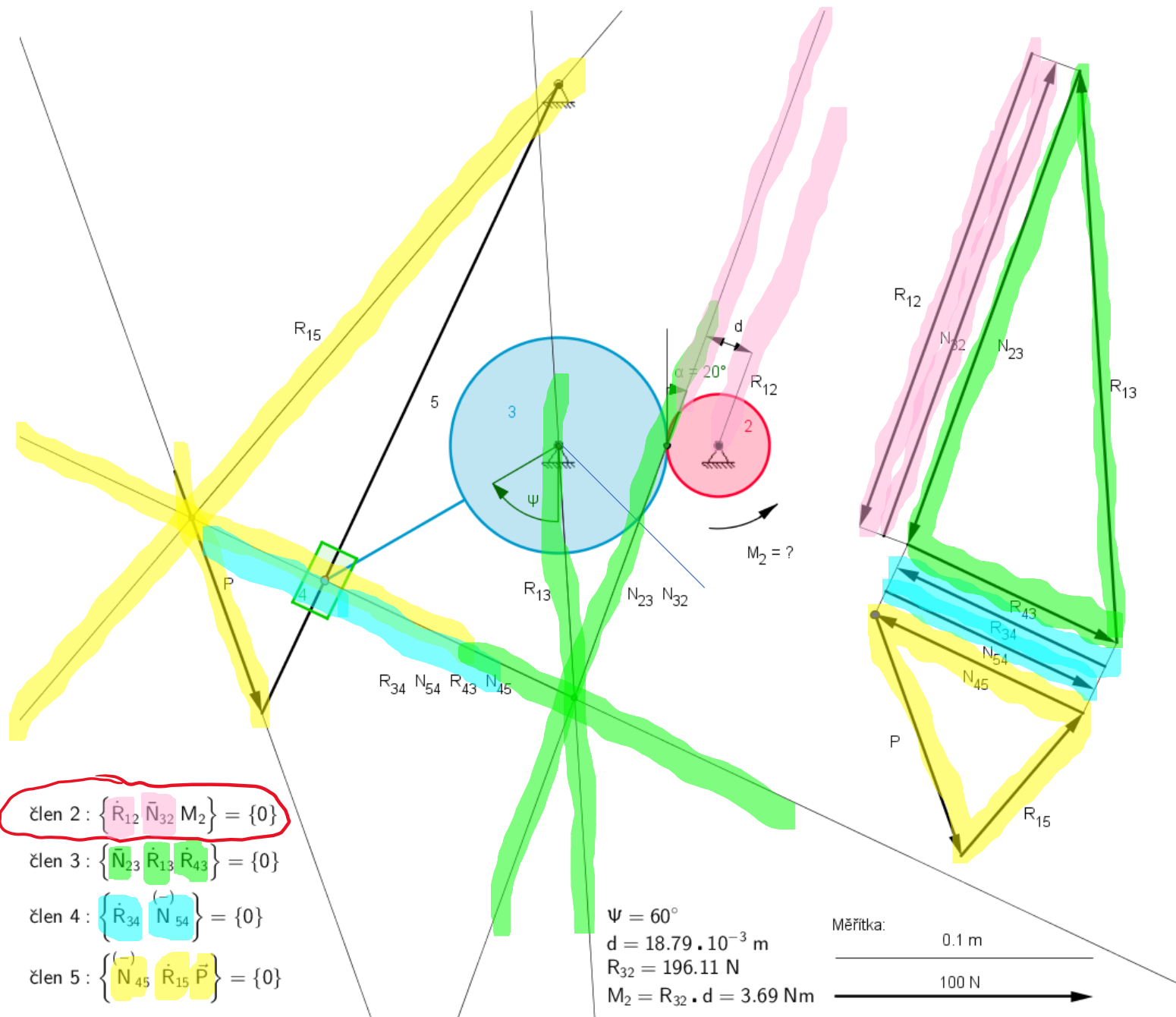
člen 3 : $\{ \dot{N}_{23} \quad \dot{R}_{13} \quad \dot{R}_{43} \} = \{ 0 \}$

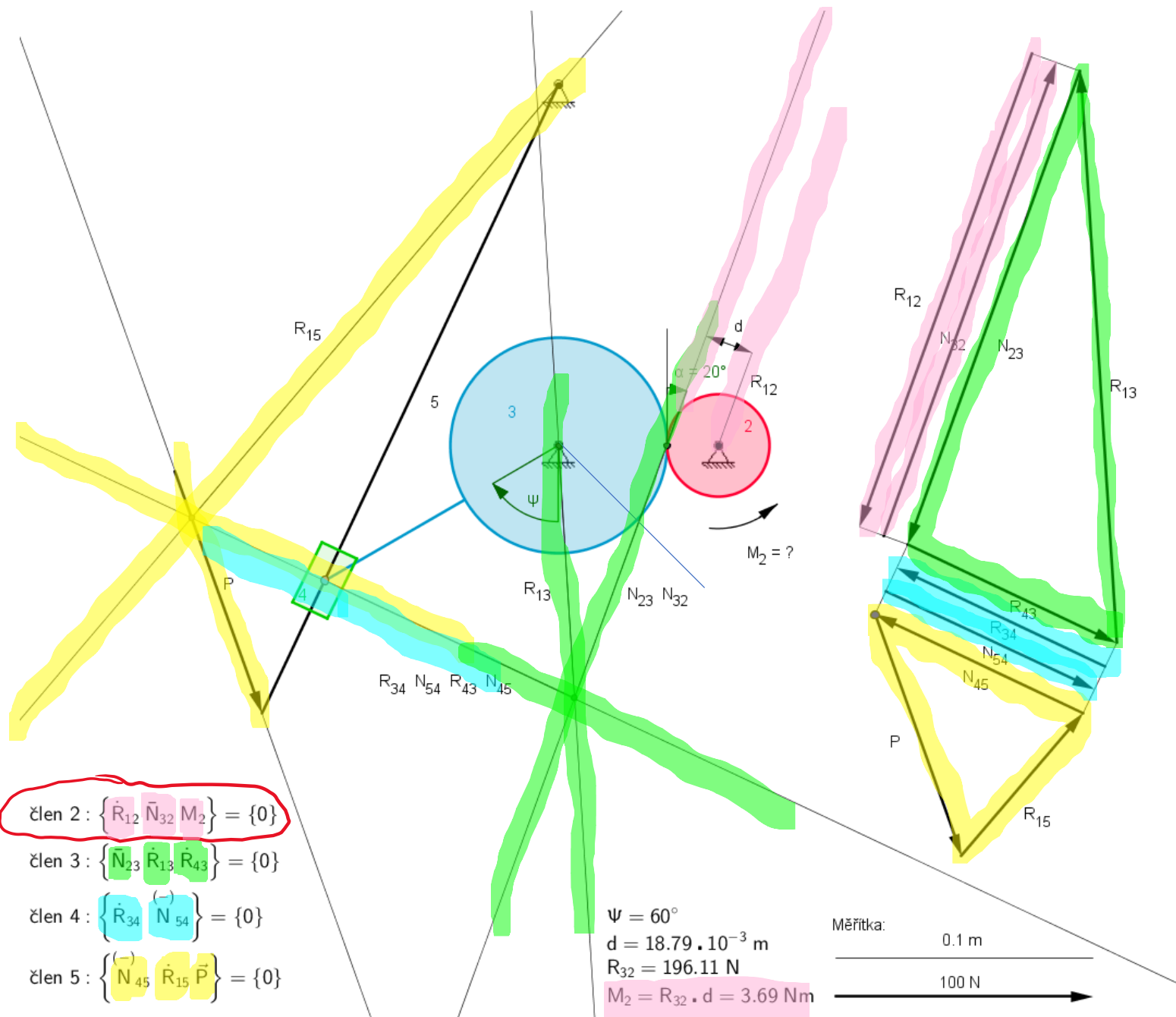
člen 4 : $\{ \dot{R}_{34} \quad \dot{N}_{54} \} = \{ 0 \}$

člen 5 : $\{ \dot{N}_{45} \quad \dot{R}_{15} \quad \dot{P} \} = \{ 0 \}$









- člen 2 : $\{\dot{R}_{12} \bar{N}_{32} M_2\} = \{0\}$
- člen 3 : $\{\bar{N}_{23} \dot{R}_{13} \dot{R}_{43}\} = \{0\}$
- člen 4 : $\{\dot{R}_{34} \bar{N}_{54}\} = \{0\}$
- člen 5 : $\{\bar{N}_{45} \dot{R}_{15} \bar{P}\} = \{0\}$