$$\Sigma F\, horizontal -> H_0 = 0$$

$$\Sigma F\, op - ned -> F_0 + F_2 = 118.2\, kN$$

$$F_2 \, og \, F_0 : fordi \, kræften \, er \, på \, midten$$

$$118.2/2 = 59.1\, kN$$

$$F_2 = 59.1\, kN$$

$$F_0 = 59.1\, kN$$

$$F_{03} : -\frac{F_2}{\sin(\theta_0)}$$

$$F_{03} = \frac{-59.1}{\sin(75.96375653)} = -60{,}91889\, kN$$

$$F_{14} : samme \, som \, F_0 - 3$$

$$F_{14} = -60{,}91889\, kN$$

$$F_{02} : \frac{F_2}{\sin(\theta_0)}$$

$$F_{02} = 59.1 \cos(75.96375653) = 14.3338\, kN$$

$$F_{21} : samme \, som \, F_0 - 1$$

$$F_{21} = 14.33386\, kN$$

$$F_{23} : \frac{F_{03}}{\sin(\theta_{2hv})}$$

$$F_{23} = 60{,}91889 / \sin(53.13010235) = 76{,}14861\, kN$$

$$F_{24} : samme \, som \, F_2 - 3$$

$$F_{24} = 76{,}14861\, kN$$

$$F_{34} : her \, bruger \, jeg \, en \, formel, isoler \, F_{34}$$

$$\theta_0 = 75.96375653$$

$$\theta_{2hv} = 53.13010235$$

$$\Sigma F_x = F_0 - 3 + F_2 - 3 + F_3 - 4 = F_0 - 3 * \cos(\theta_0) + F_2 - 3 * \cos(\theta_{2hv}) + F_3 - 4 = 0$$

$$F_{34} = -F_0 - 3 * \cos(\theta_0) - F_2 - 3 * \cos(\theta_{2hv})$$

$$F_{34} = -60{,}91889 * \cos(75.96375653) - 76{,}14861 * \cos(53.13010235) = -60{,}46417\, kN$$