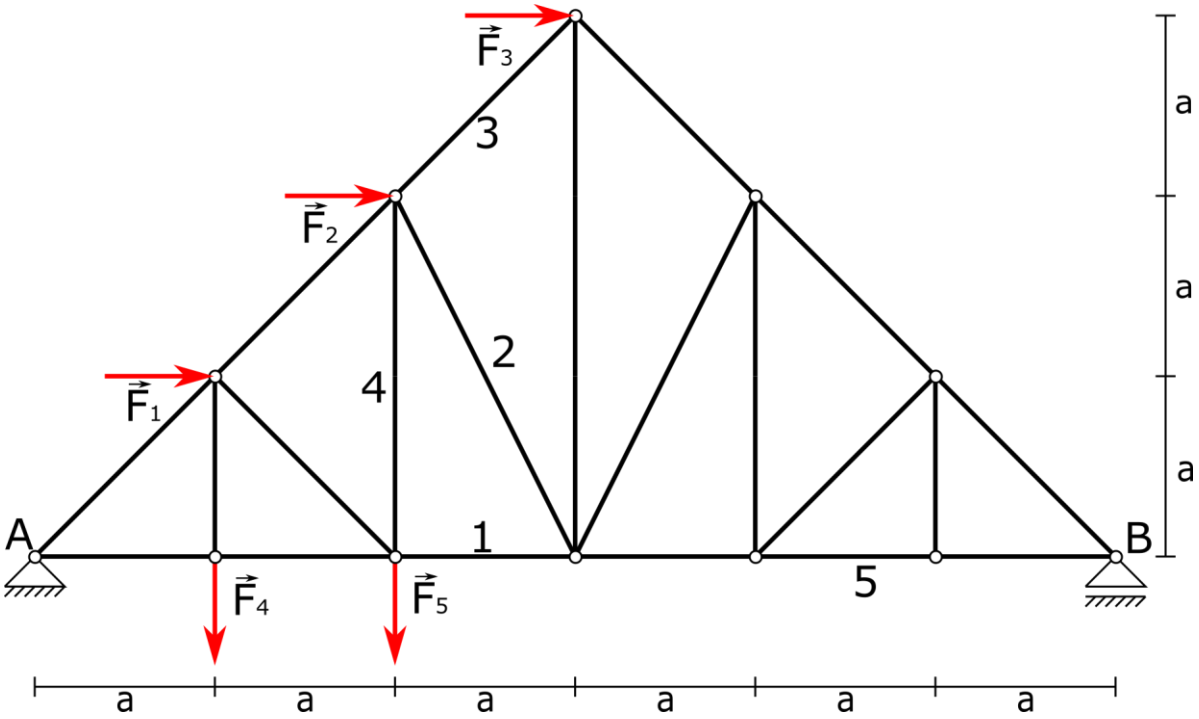
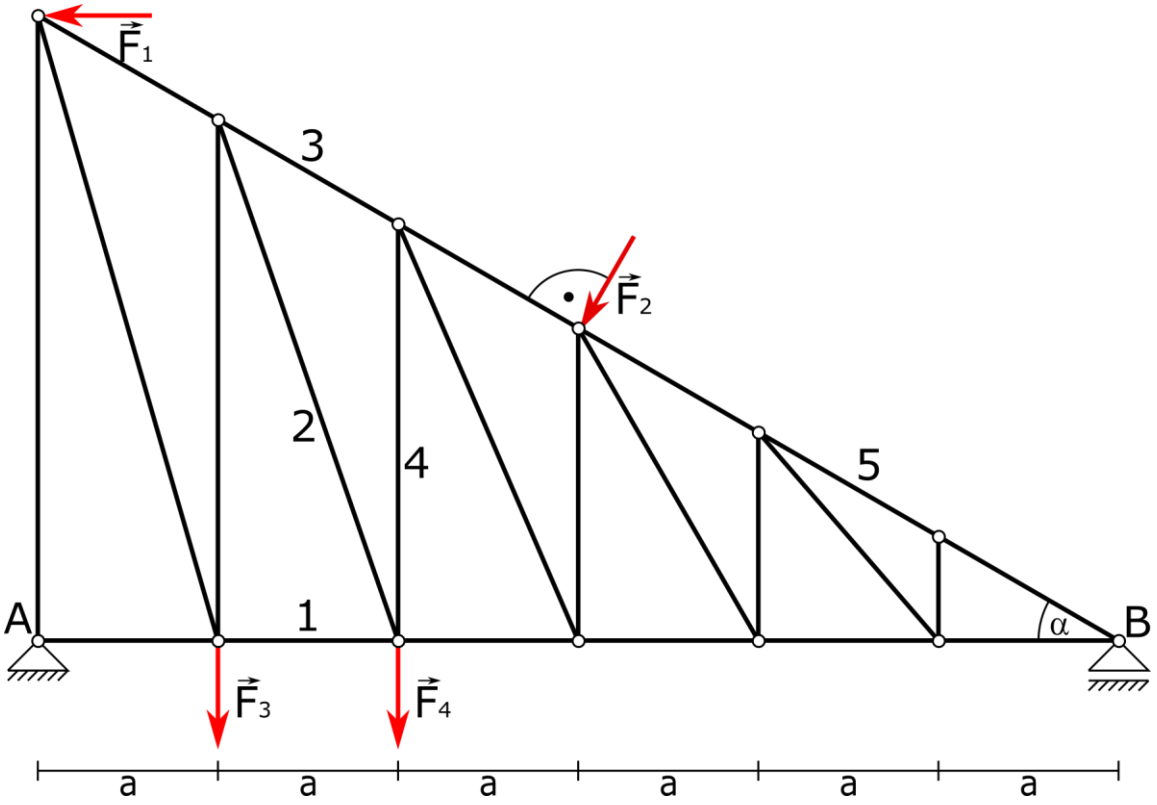
Trusses – problems

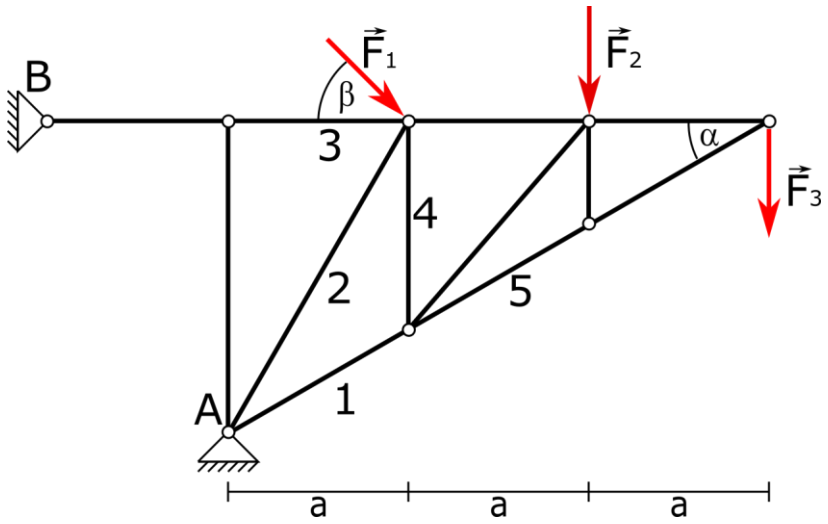
1. Find reactions in supports and forces in marked rods. Use joints and Ritter's methods. Data: F_1=3kN, F_2=1kN, F_3=4kN, F_4=2kN, F_5=5kN, a=2m.



2. Find reactions in supports and forces in marked rods. Use joints and Ritter's methods. Data: F_1=5kN, F_2=2kN, F_3=3kN, F_4=4kN, a=1m, α=30°.



3. Find reactions in supports and forces in marked rods. Use joints and Ritter's methods. Data: F_1=4kN, F_2=2kN, F_3=5kN, a=1m, α=30°, β=45°.



4. Find reactions in supports and forces in marked rods. Use joints and Ritter's methods. Data: F_1=4kN, F_2=5kN, F_3=2kN, a=1m, h=3m