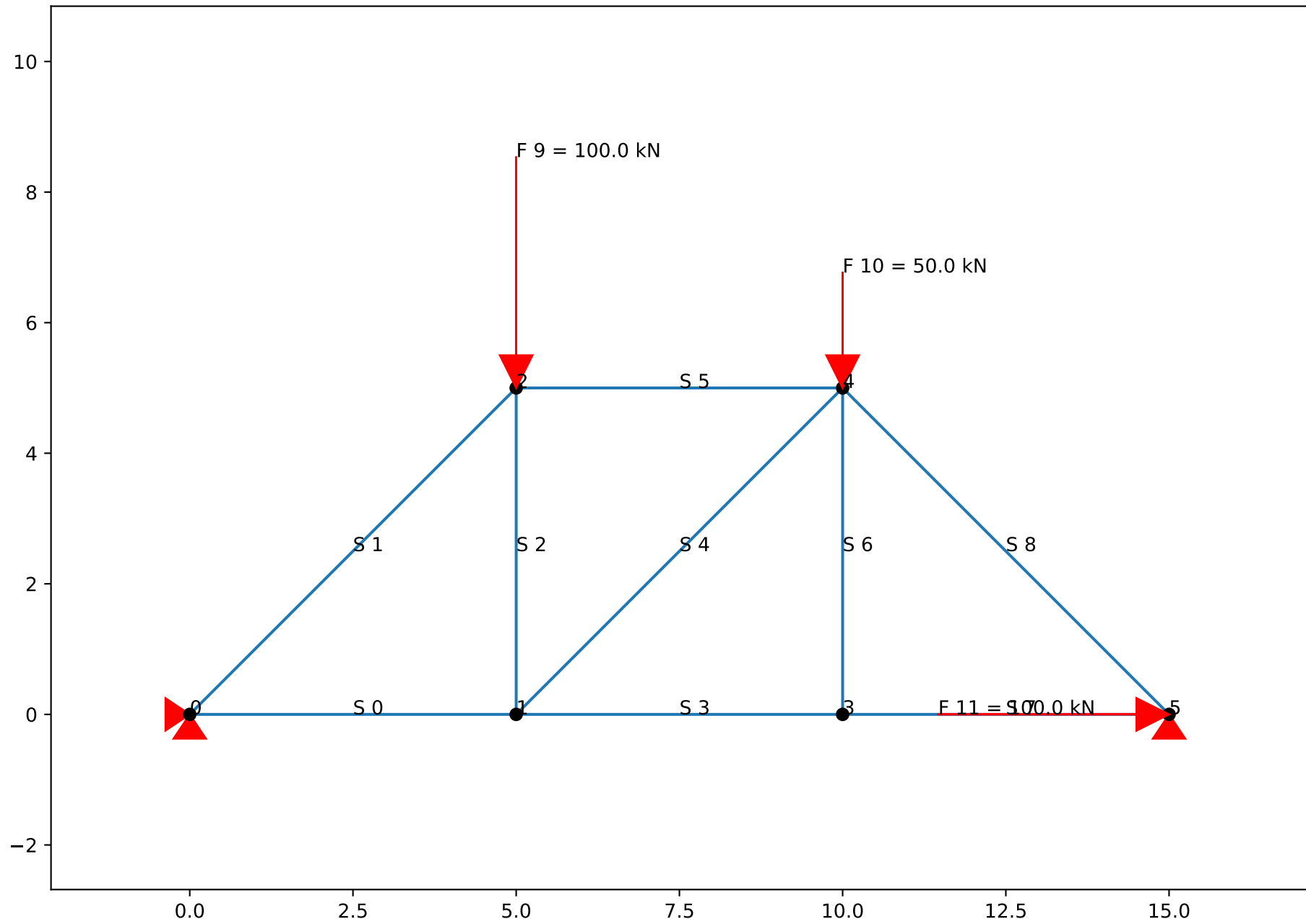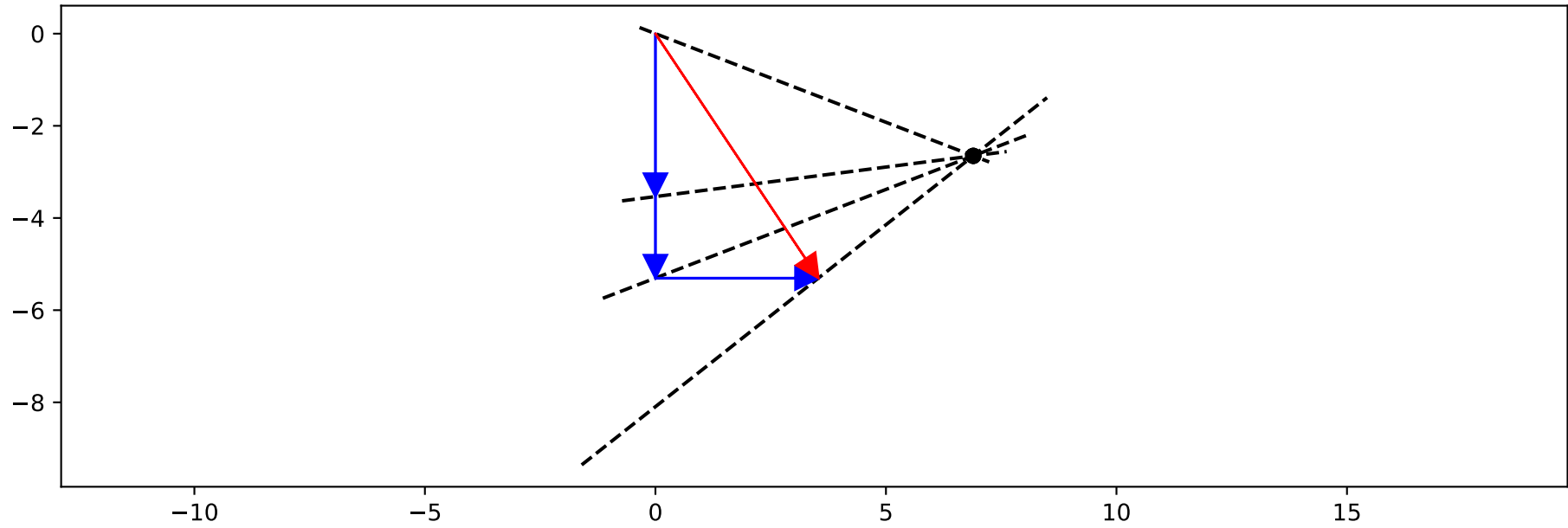# System
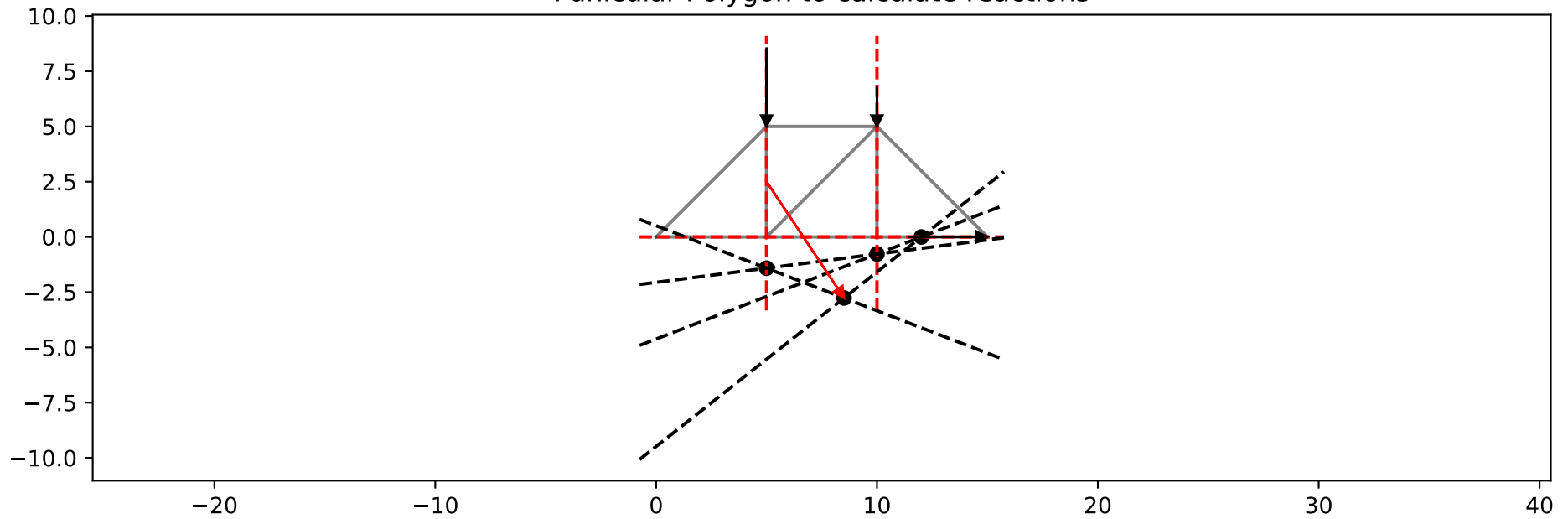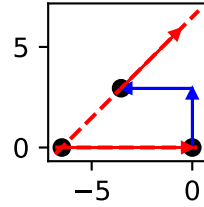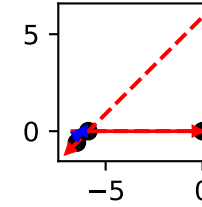
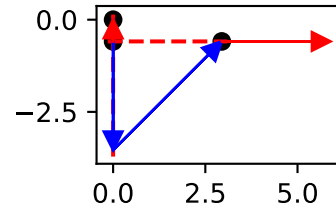# Force Polygon to calculate reactions

Funicular Polygon to calculate reactions

Method of joints on node 0
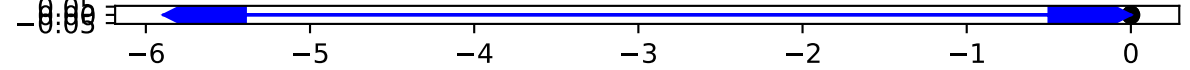
Method of joints on node 1

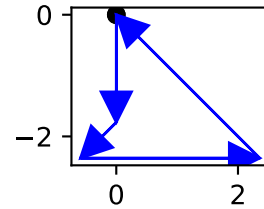Method of joints on node 2

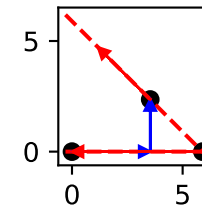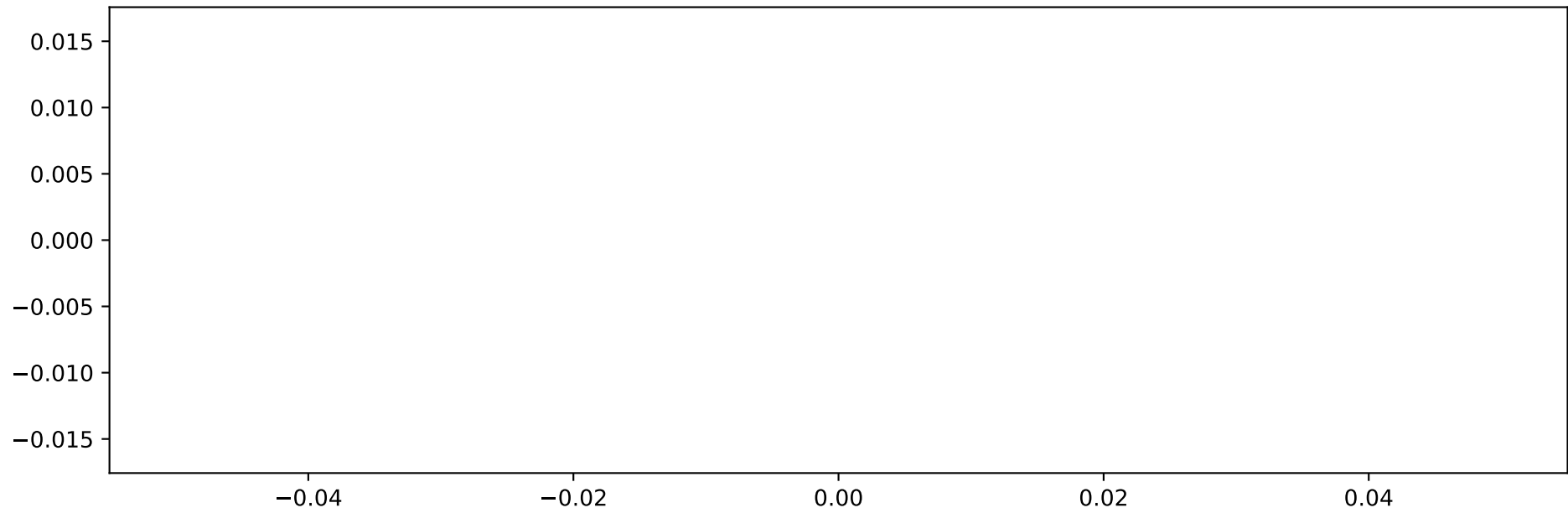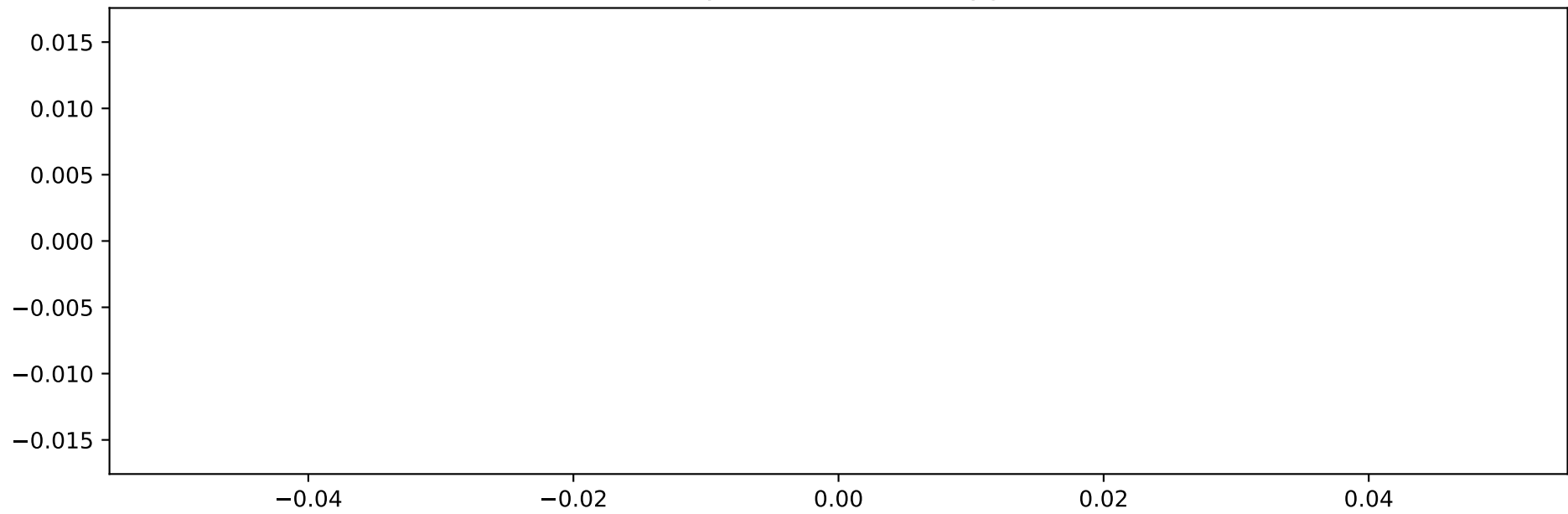Method of joints on node 3

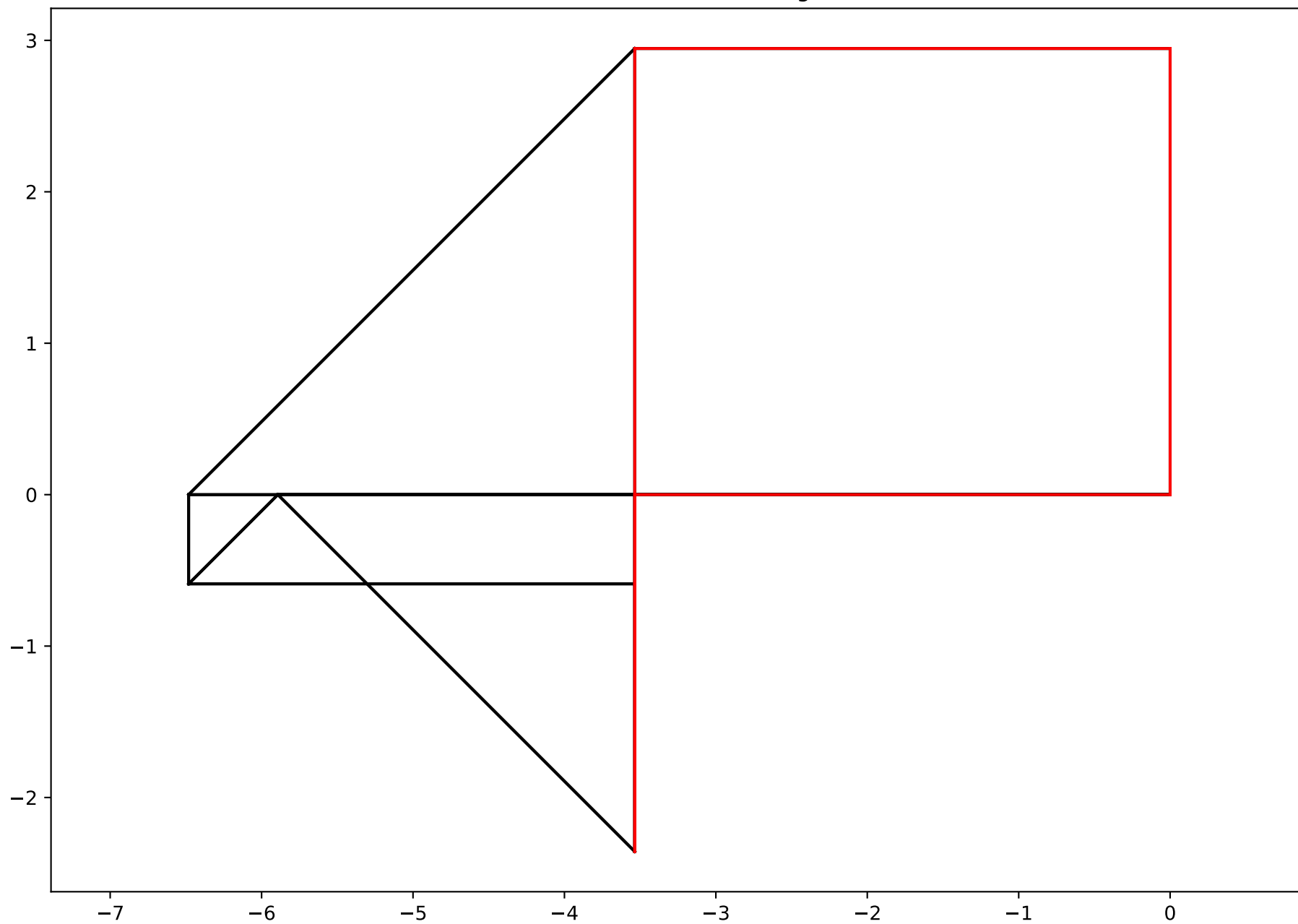Method of joints on node 4

Method of joints on node 5

Subsystem Force Polyon

Subsystem Funicular Polygon

Cremona Plan - Force Diagram

Results

S 0 = 183.33 kN
S 1 = -117.85 kN
S 2 = -16.67 kN
S 3 = 166.67 kN
S 4 = 23.57 kN
S 5 = -83.33 kN
S 6 = -0.00 kN
S 7 = 166.67 kN
S 8 = -94.28 kN