System

S 0   S 2

F 3 = 100.0 kN
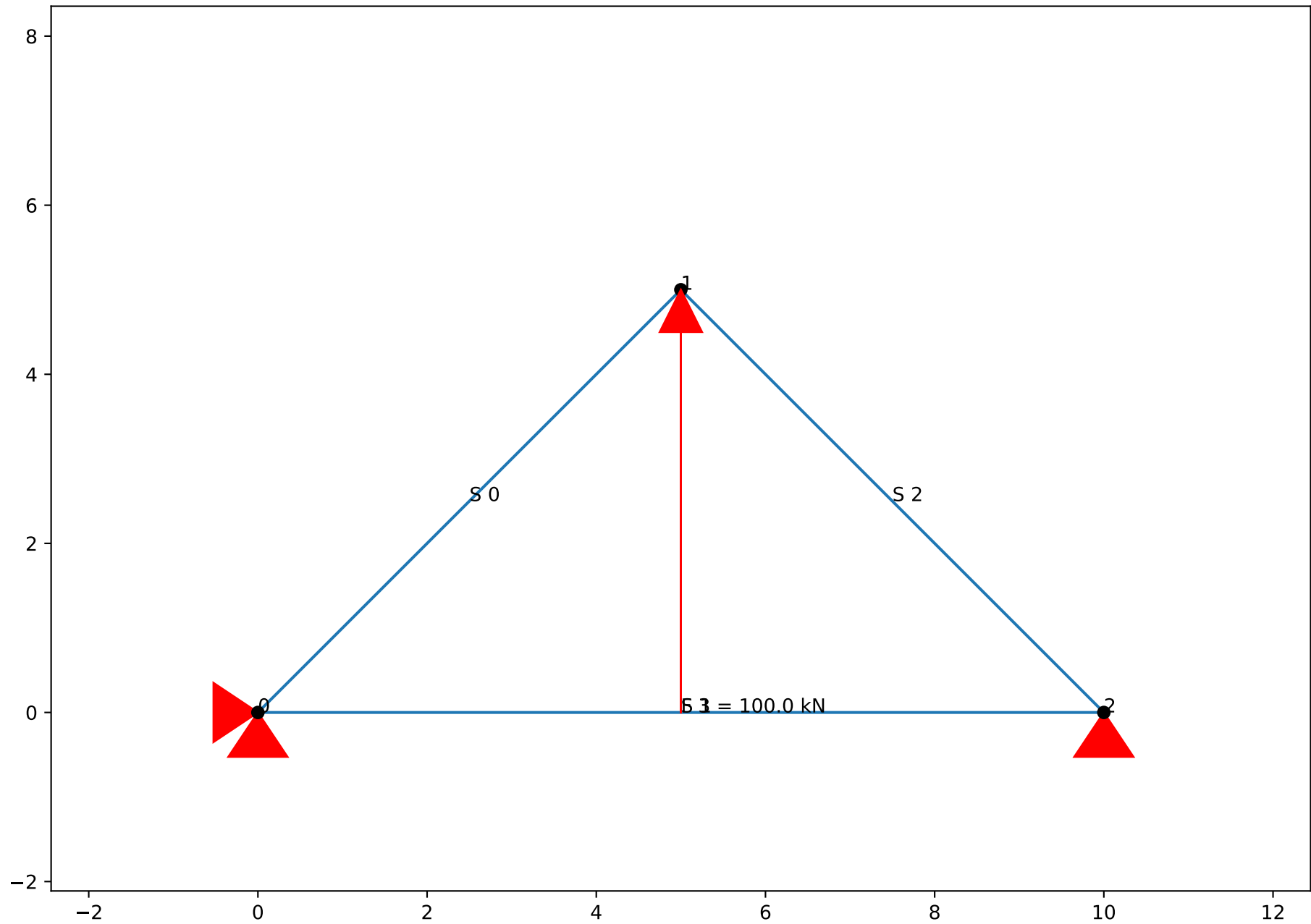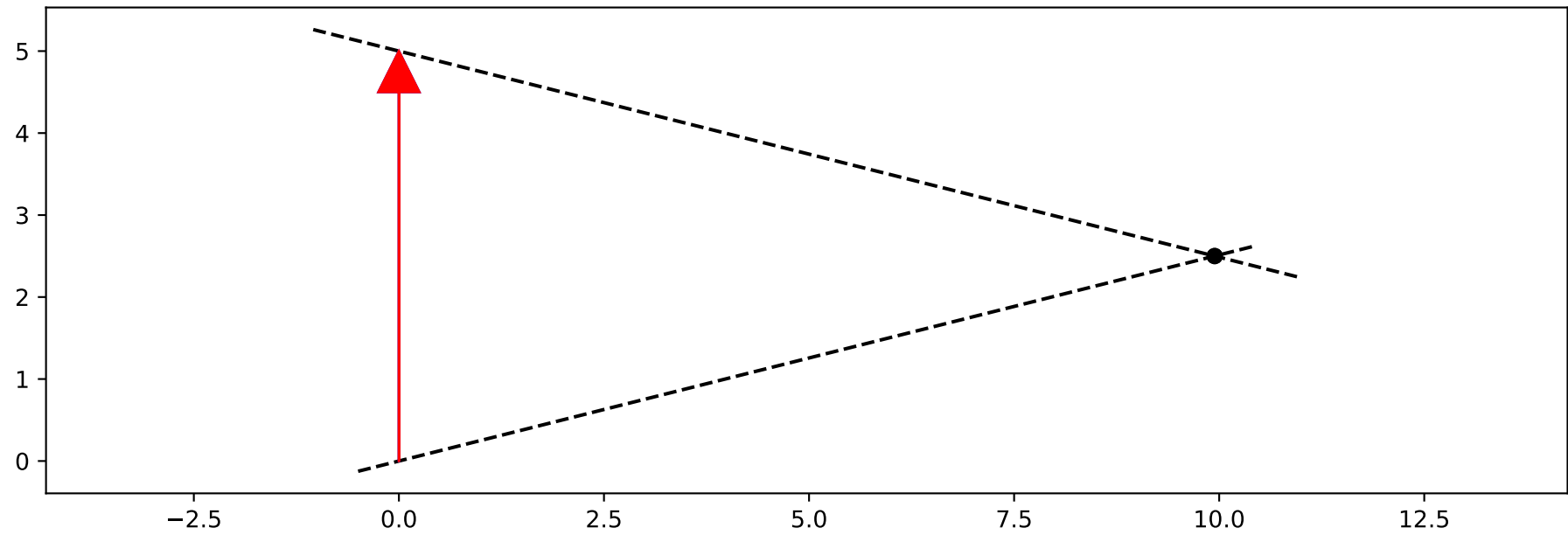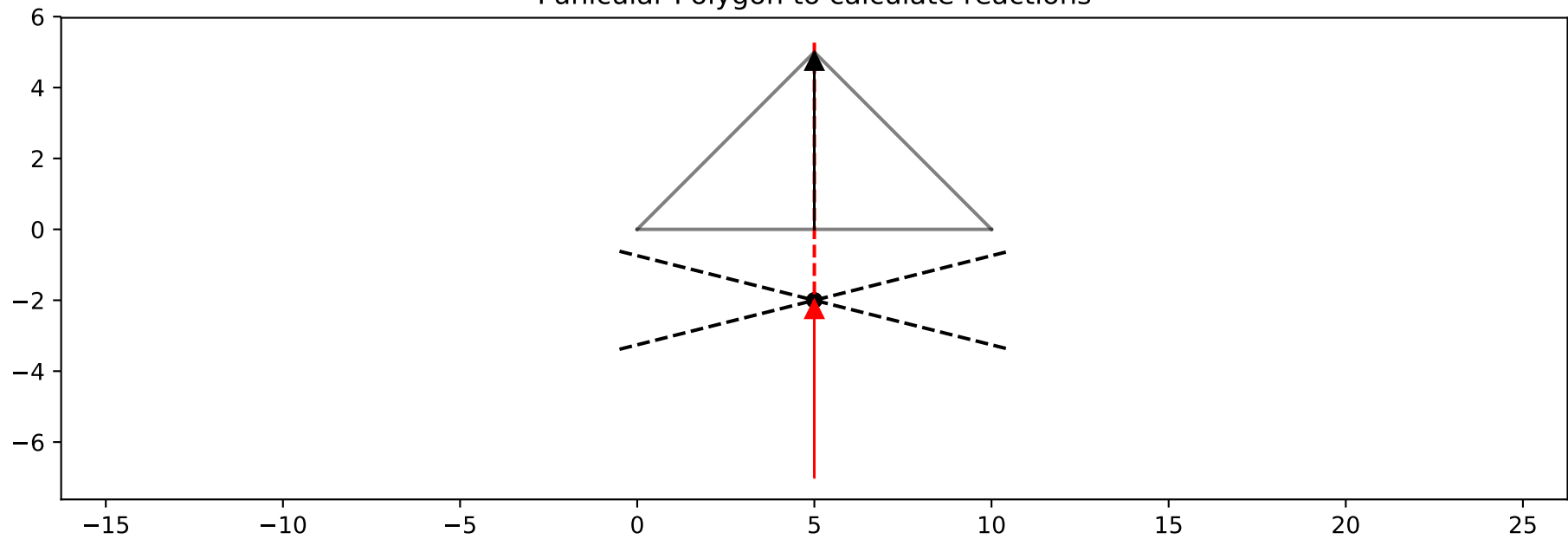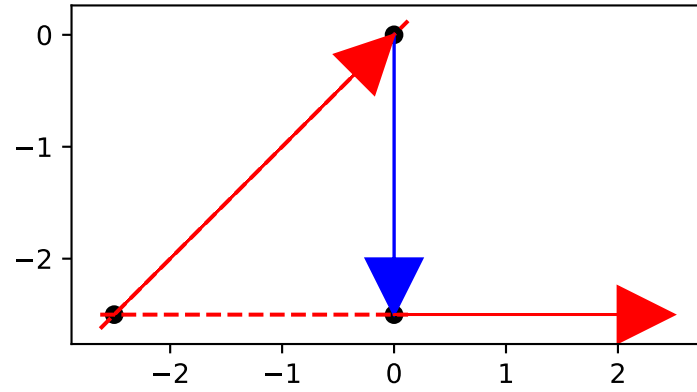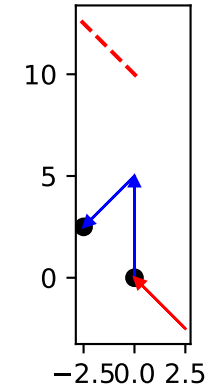
Force Polygon to calculate reactions

Funicular Polygon to calculate reactions
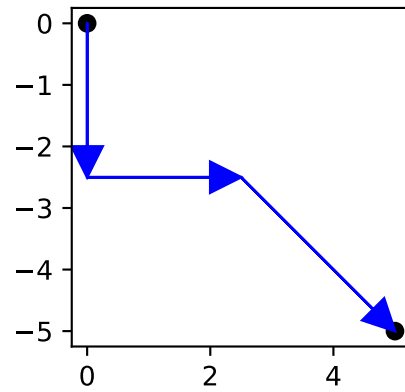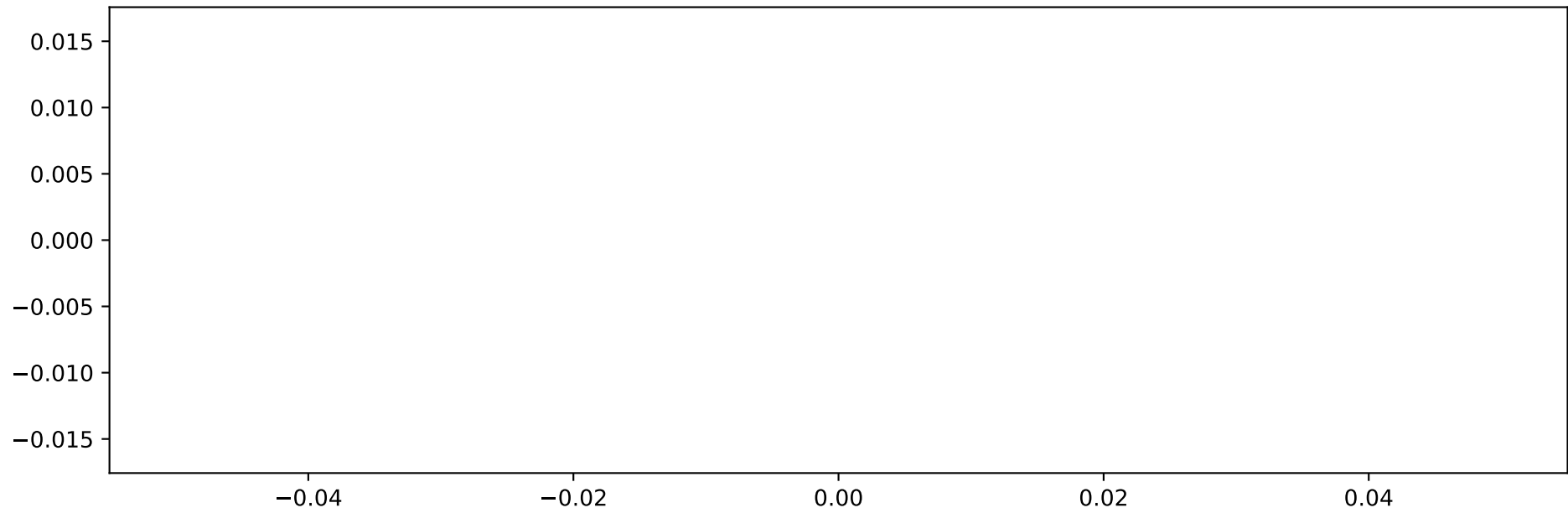
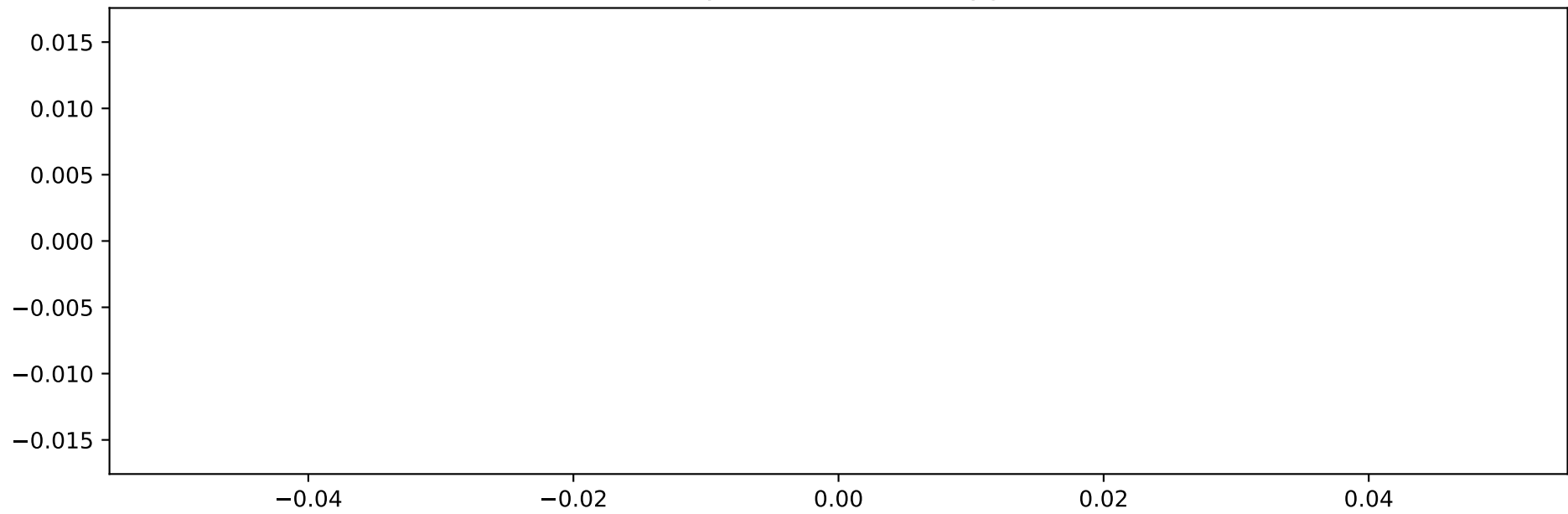Method of joints on node 0

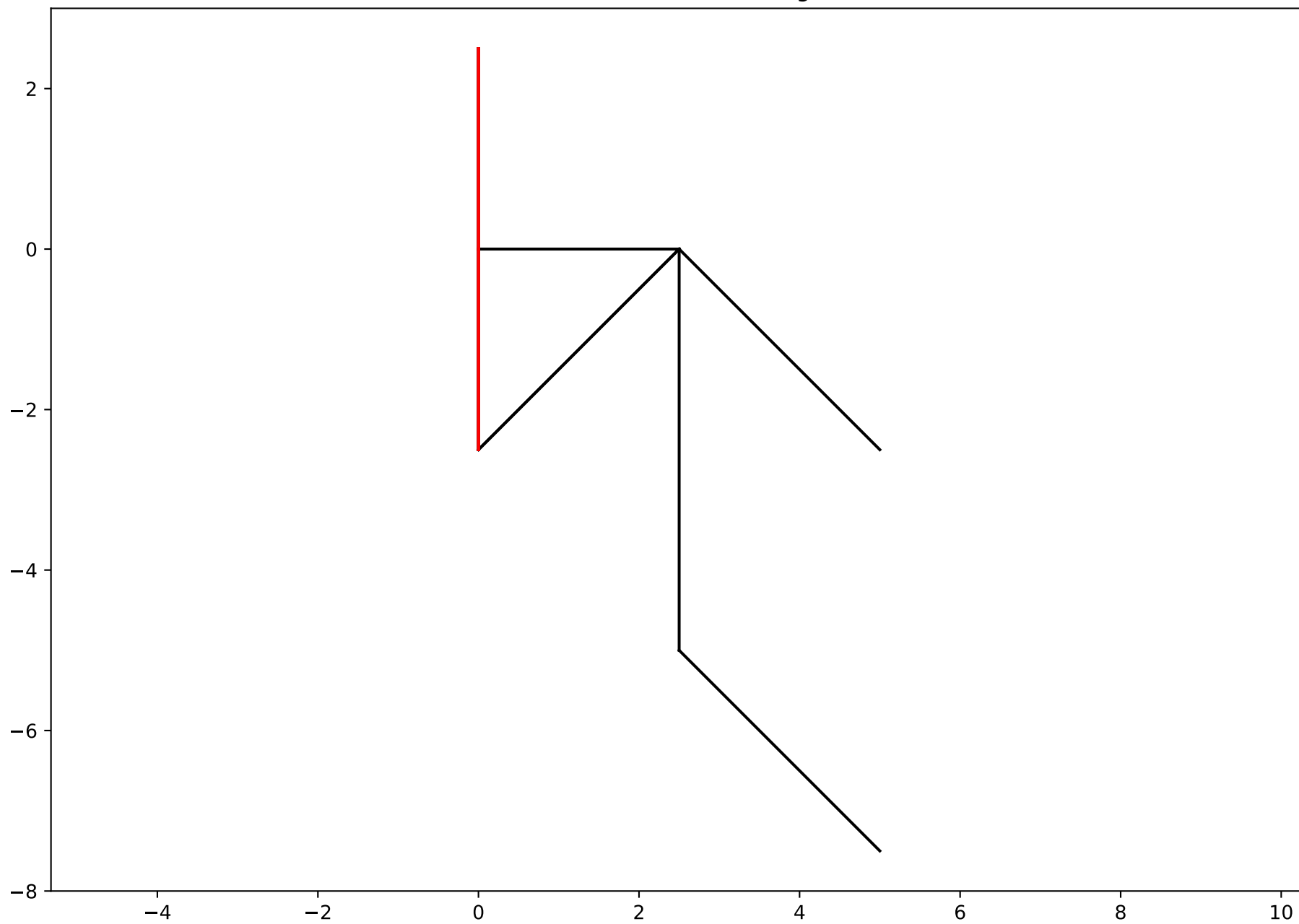Method of joints on node 1

Method of joints on node 2

Subsystem Force Polyon

Subsystem Funicular Polygon

Cremona Plan - Force Diagram

Results

S 0

S 2

S 1

1

0

2

S 0 = 70.71 kN
S 1 = -50.00 kN
S 2 = -70.71 kN