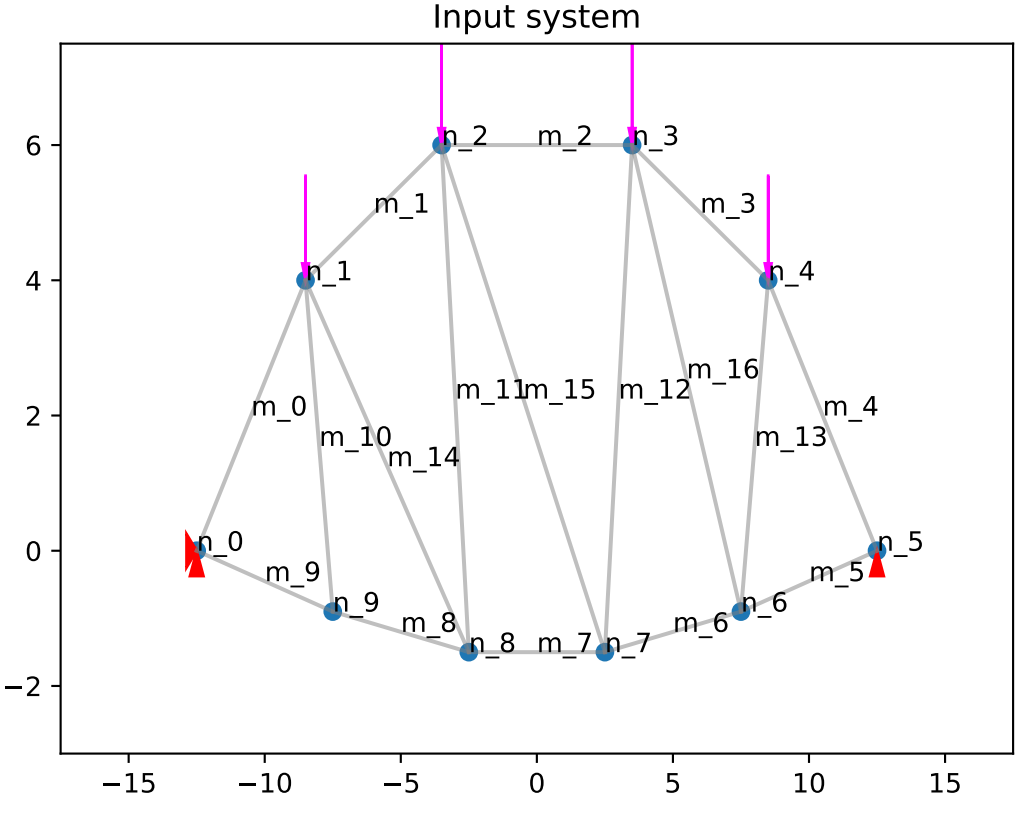
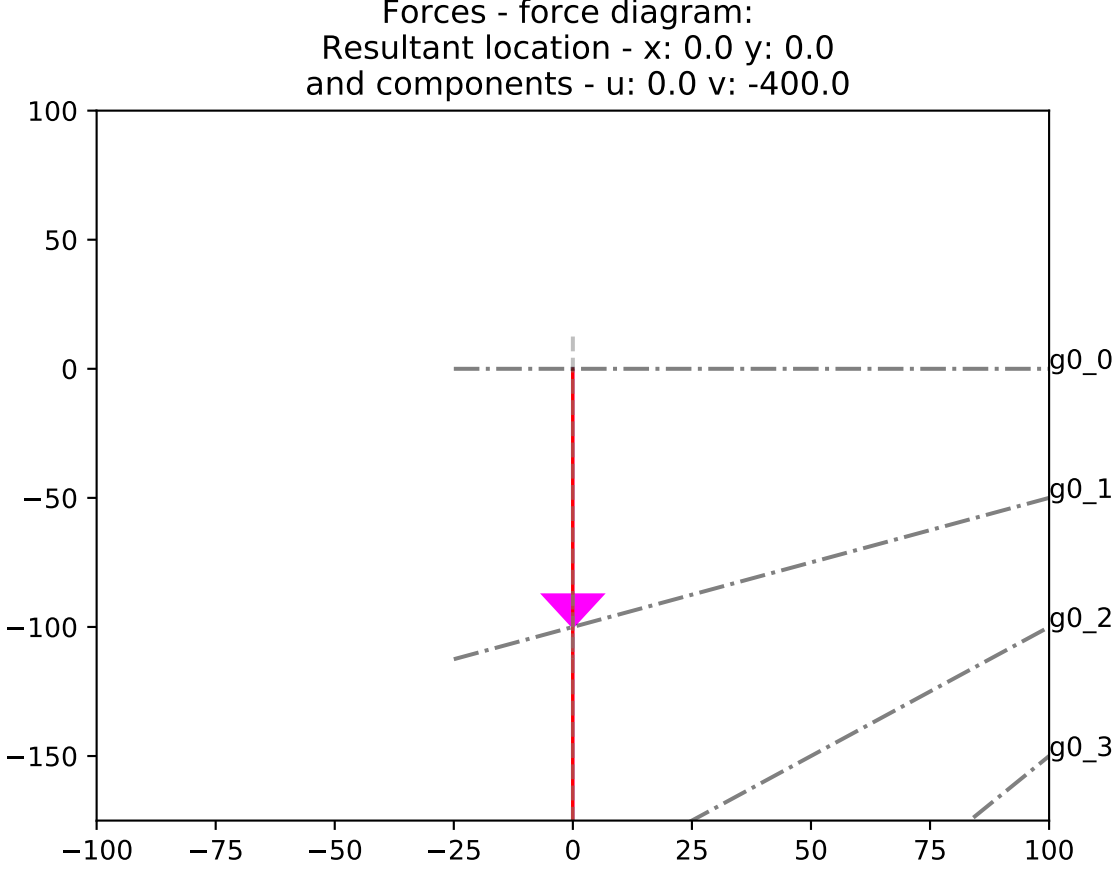
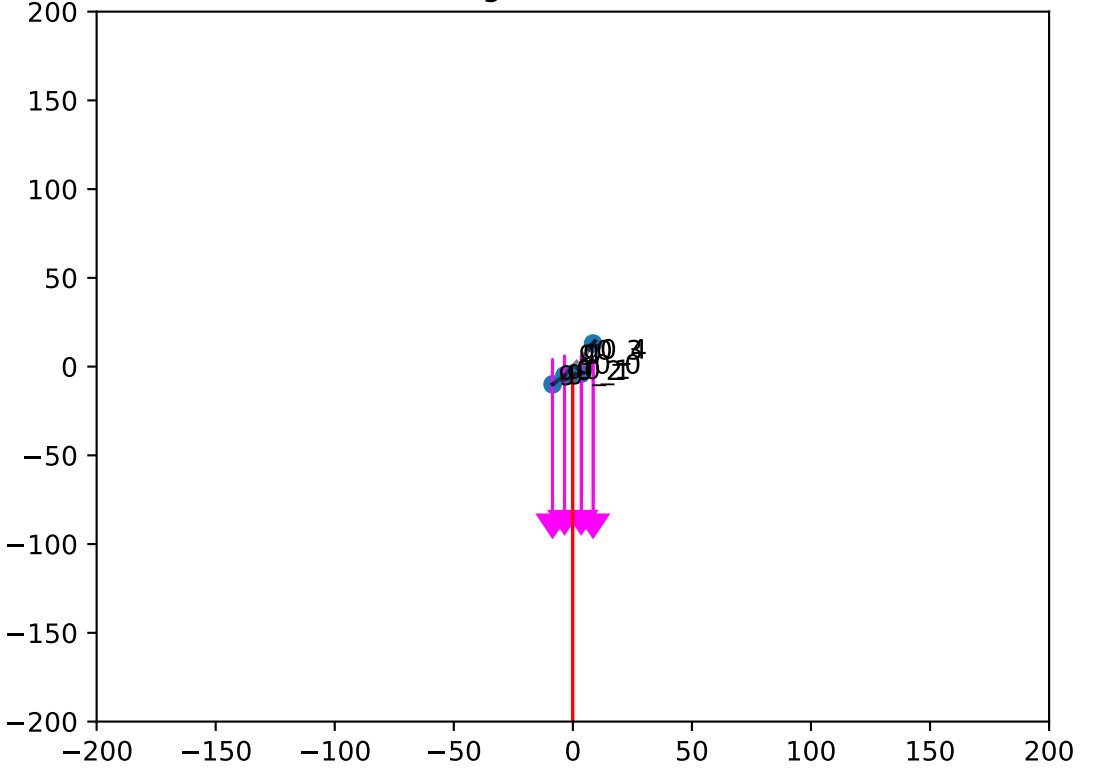
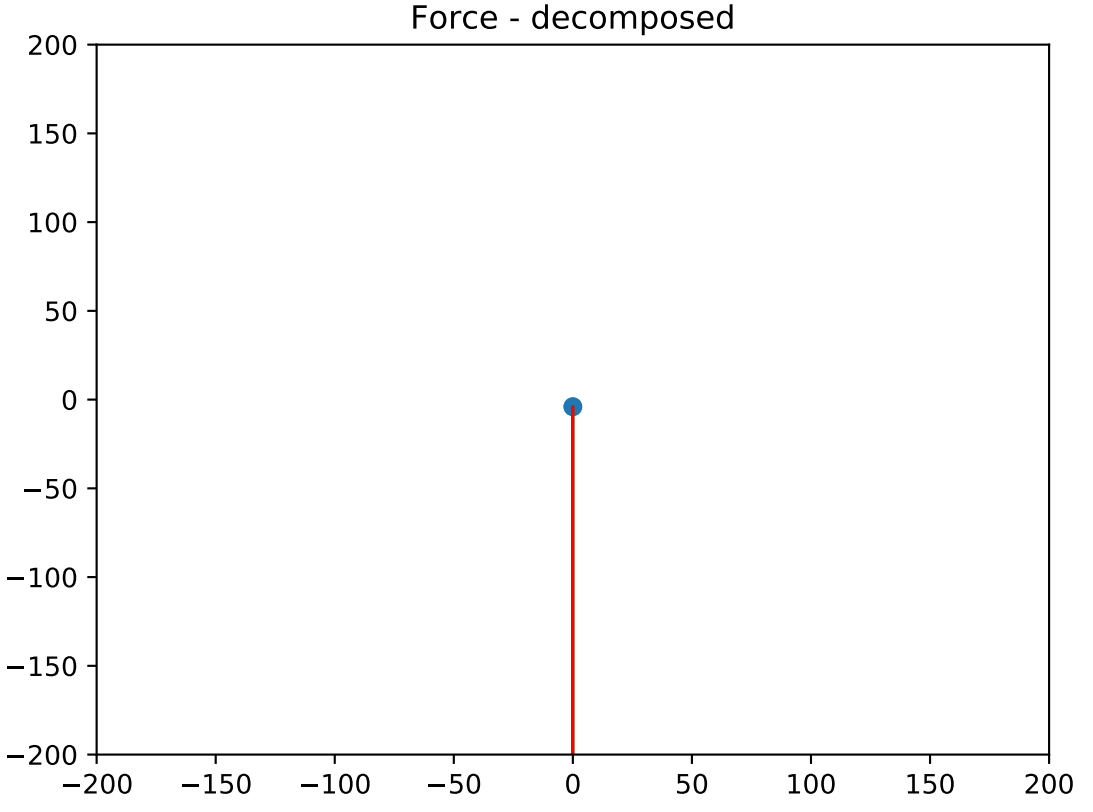
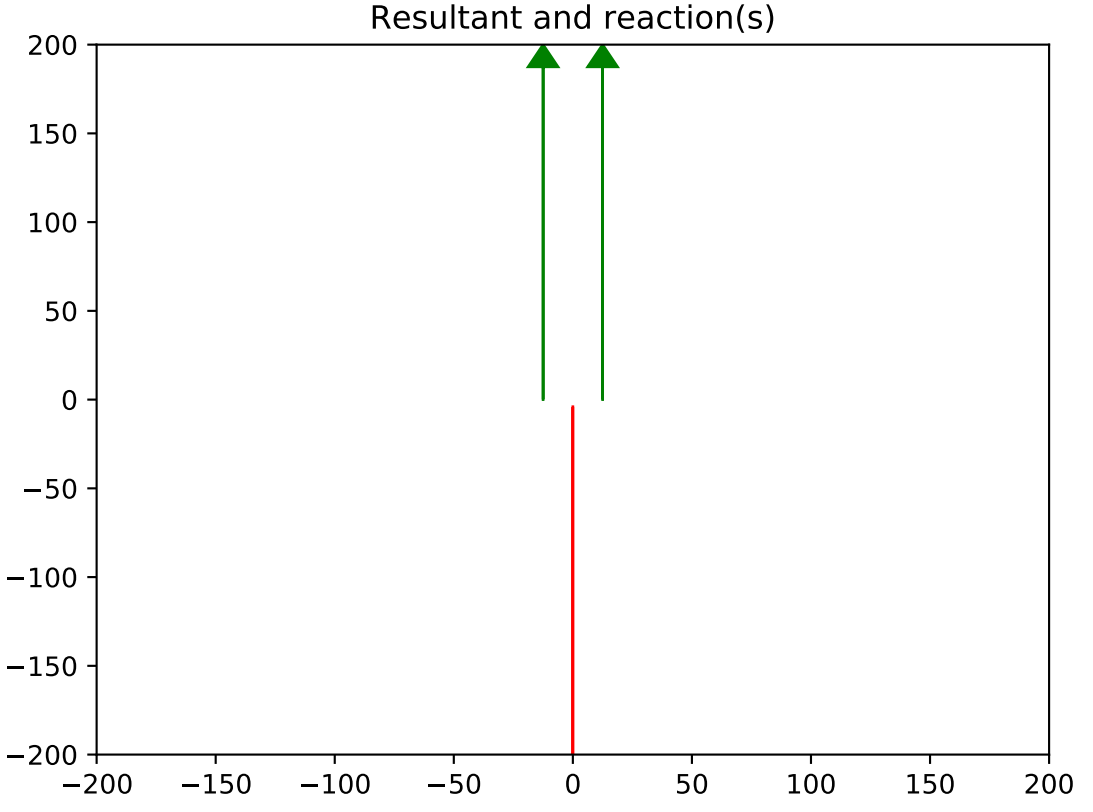
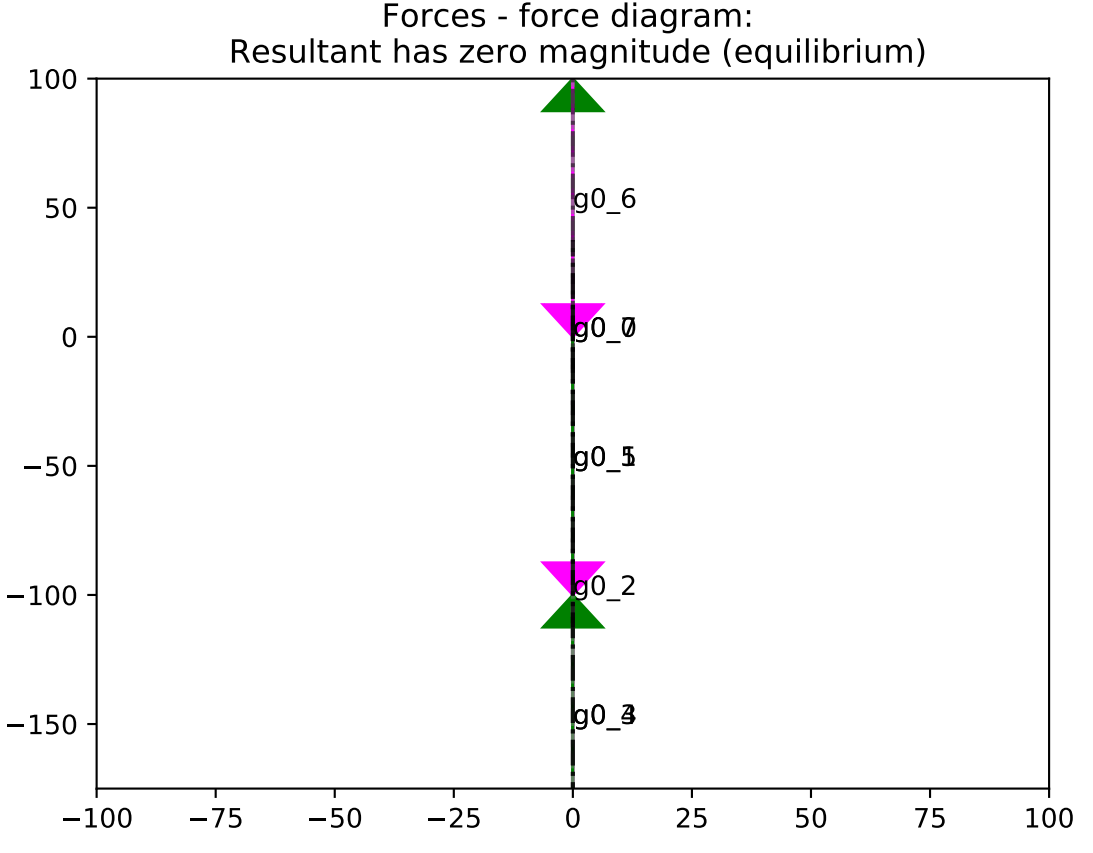

Input system
n_0
n_1
n_2
n_3
n_4
n_5
n_6
n_7
n_8
n_9
m_0
m_1
m_2
m_3
m_4
m_5
m_6
m_7
m_8
m_9
m_10
m_11
m_12
m_13
m_14
m_15
m_16
6
4
2
0
−2
−15
−10
−5
0
5
10
15

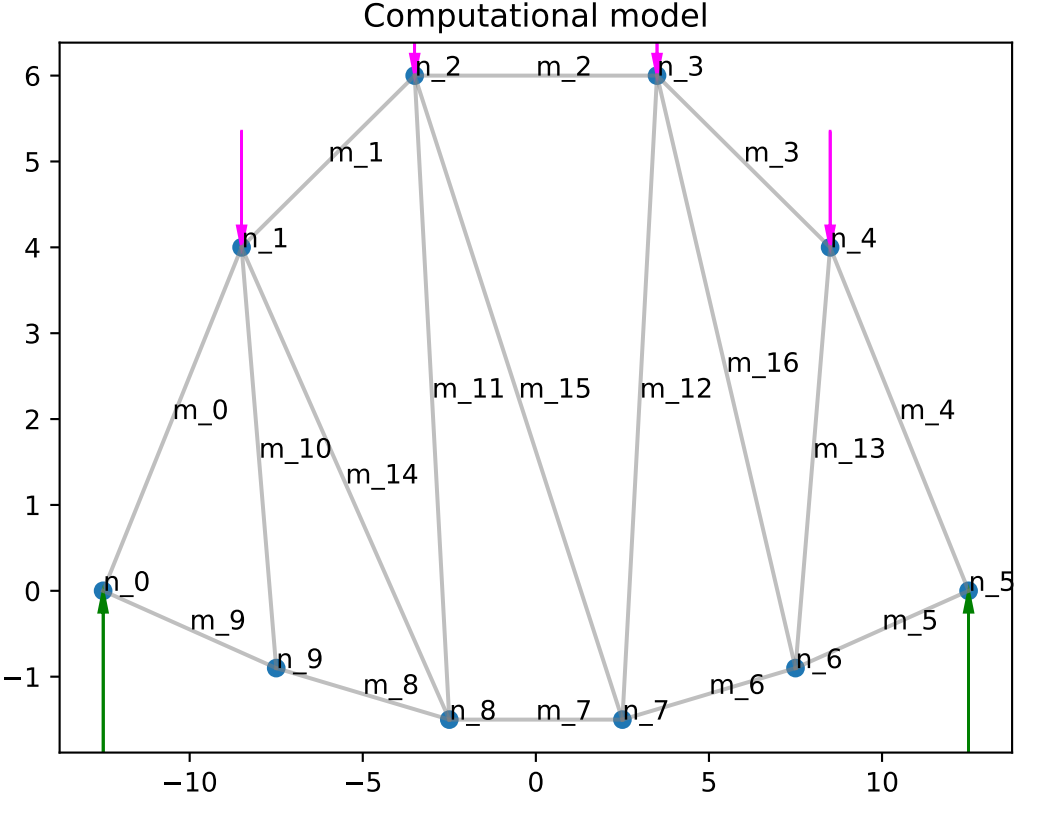

Forces - force diagram:
Resultant location - x: 0.0 y: 0.0
and components - u: 0.0 v: -400.0
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_0
g0_1
g0_2
g0_3

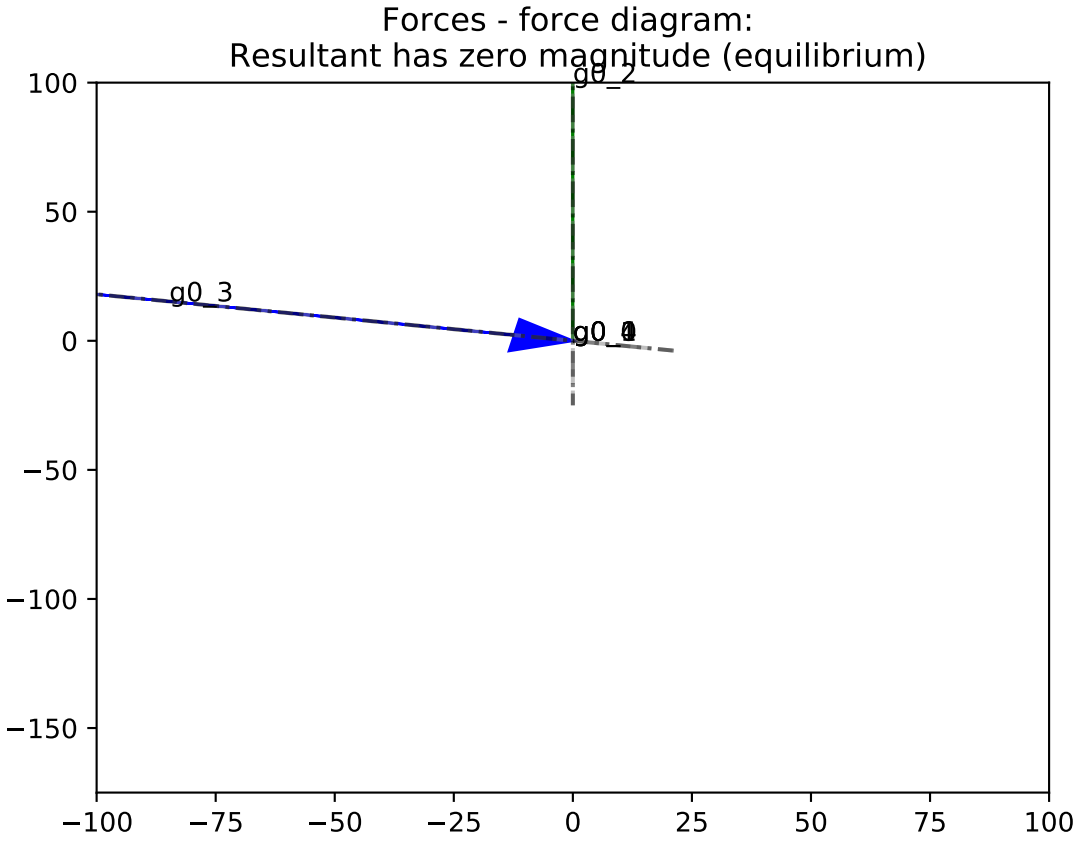

Forces - space diagram,
with resultant along line (a,b,c): [-400.0, 0.0, 0.0]
200
150
100
50
0
−50
−100
−150
−200
−200
−150
−100
−50
0
50
100
150
200

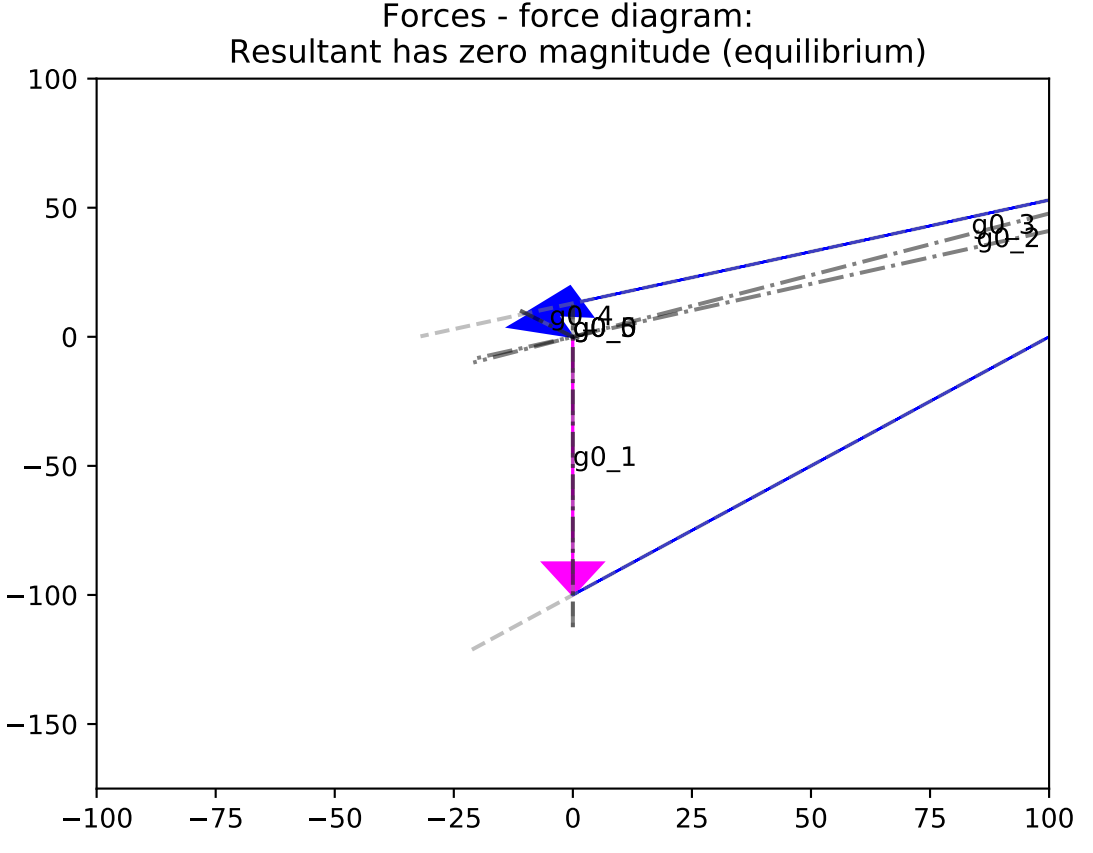

Force - decomposed
200
150
100
50
0
−50
−100
−150
−200
−200
−150
−100
−50
0
50
100
150
200

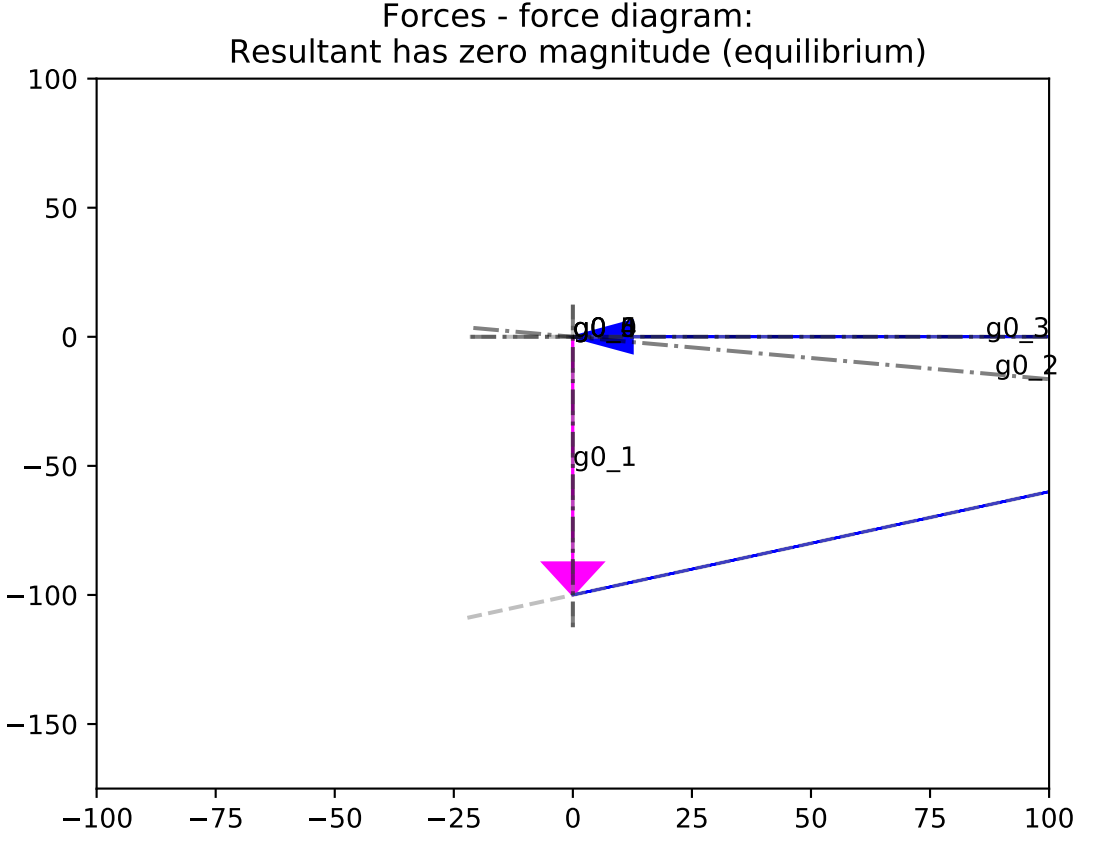

Resultant and reaction(s)
200
150
100
50
0
−50
−100
−150
−200
−200
−150
−100
−50
0
50
100
150
200

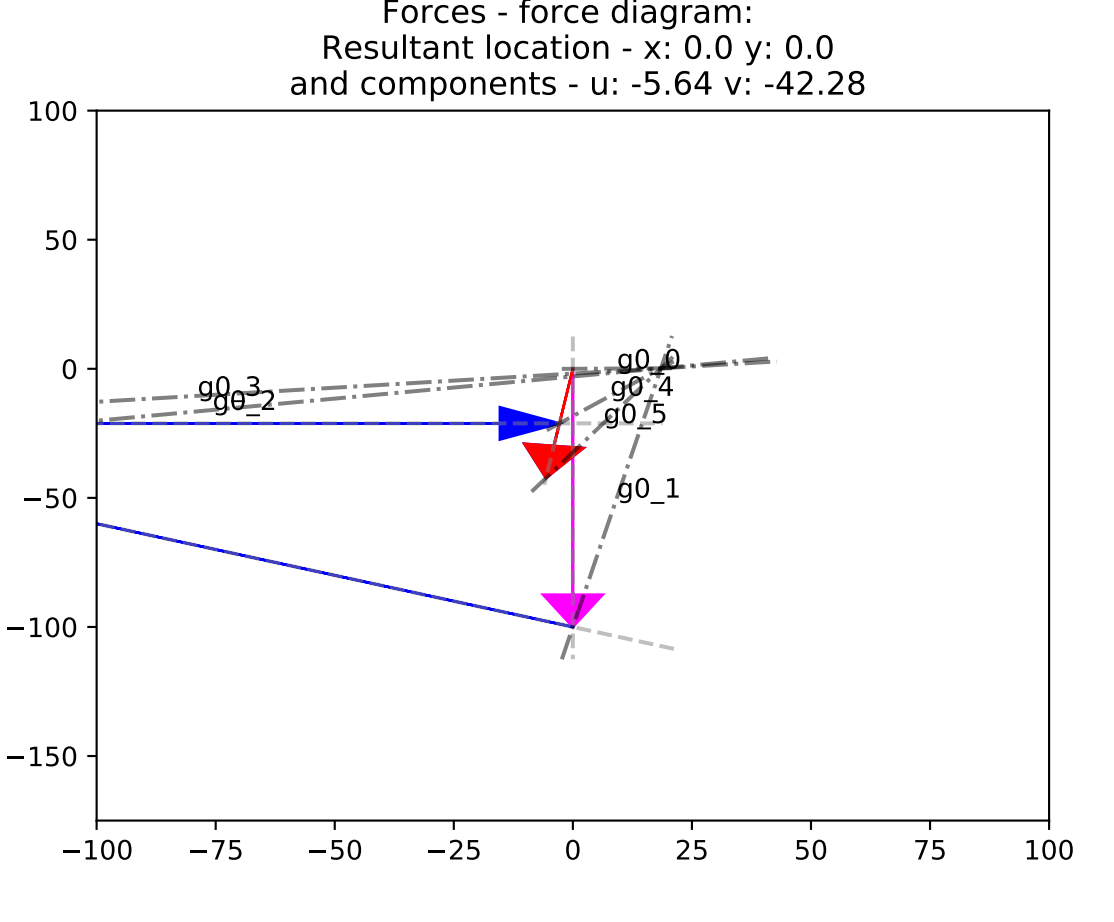

Forces - force diagram:
Resultant has zero magnitude (equilibrium)
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_6
g0_7
g0_1
g0_2
g0_3

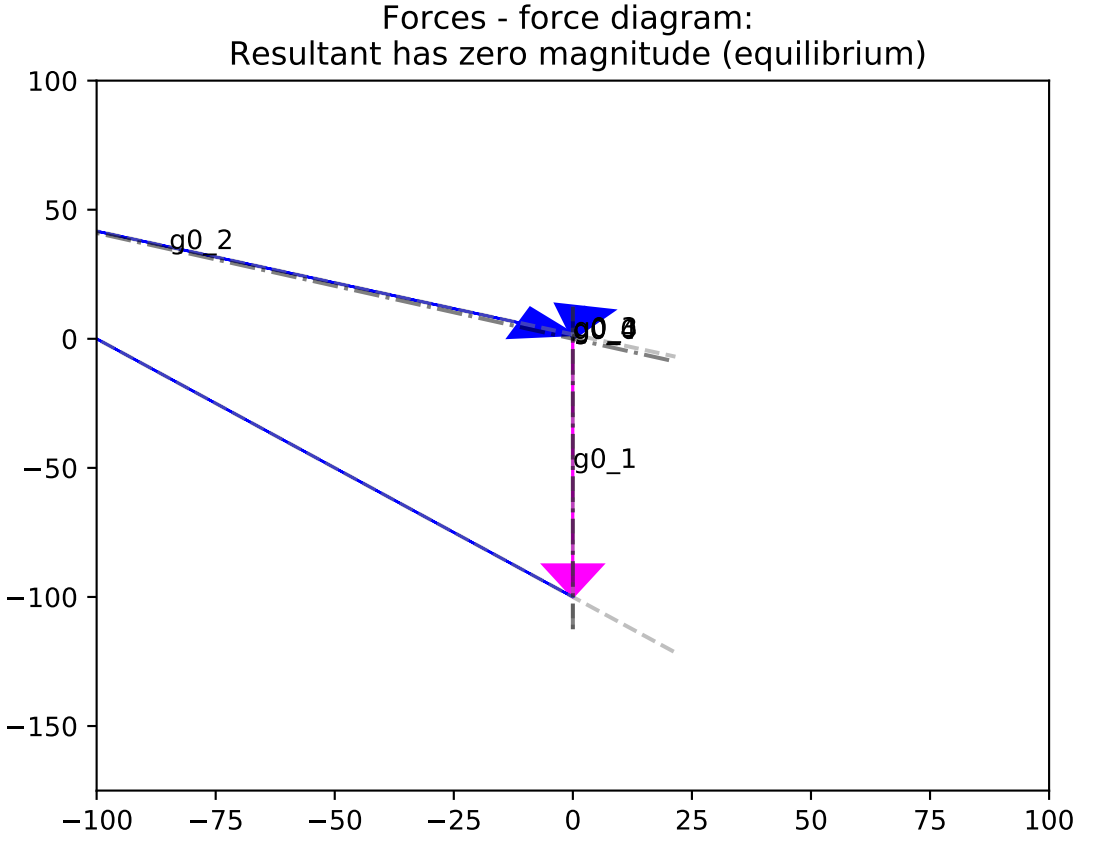

Computational model
n_0
n_1
n_2
n_3
n_4
n_5
n_6
n_7
n_8
n_9
m_0
m_1
m_2
m_3
m_4
m_5
m_6
m_7
m_8
m_9
m_10
m_11
m_12
m_13
m_14
m_15
m_16
6
5
4
3
2
1
0
−1
−10
−5
0
5
10

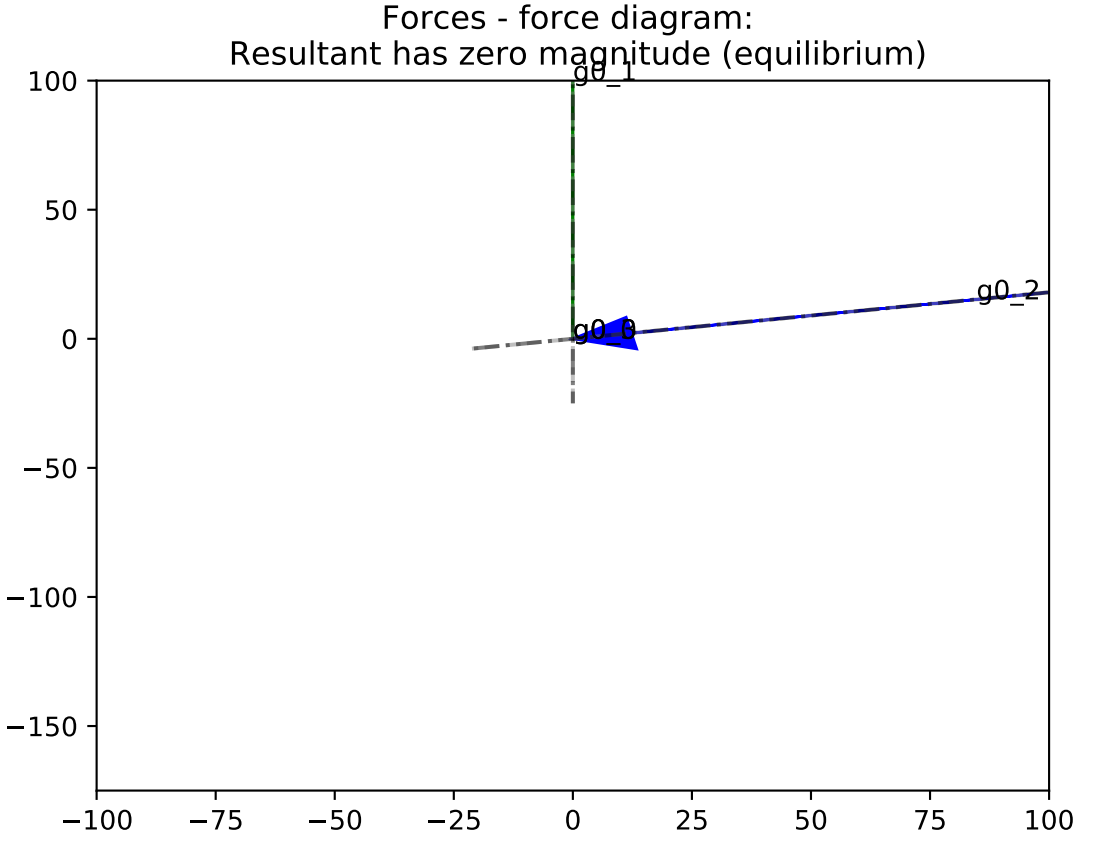

Forces - force diagram:
Resultant has zero magnitude (equilibrium)
g0_2
g0_3
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100

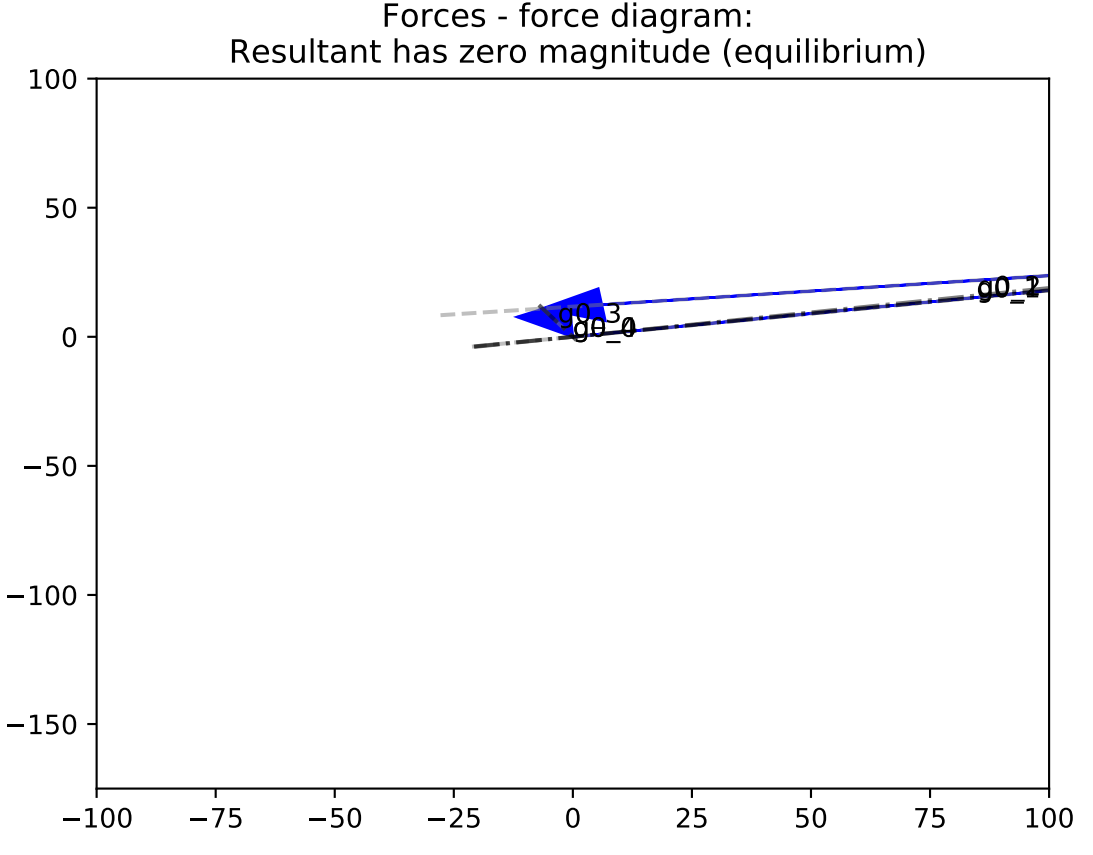

Forces - force diagram:
Resultant has zero magnitude (equilibrium)
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_1
g0_2
g0_3
g0_4
g0_5
g0_6

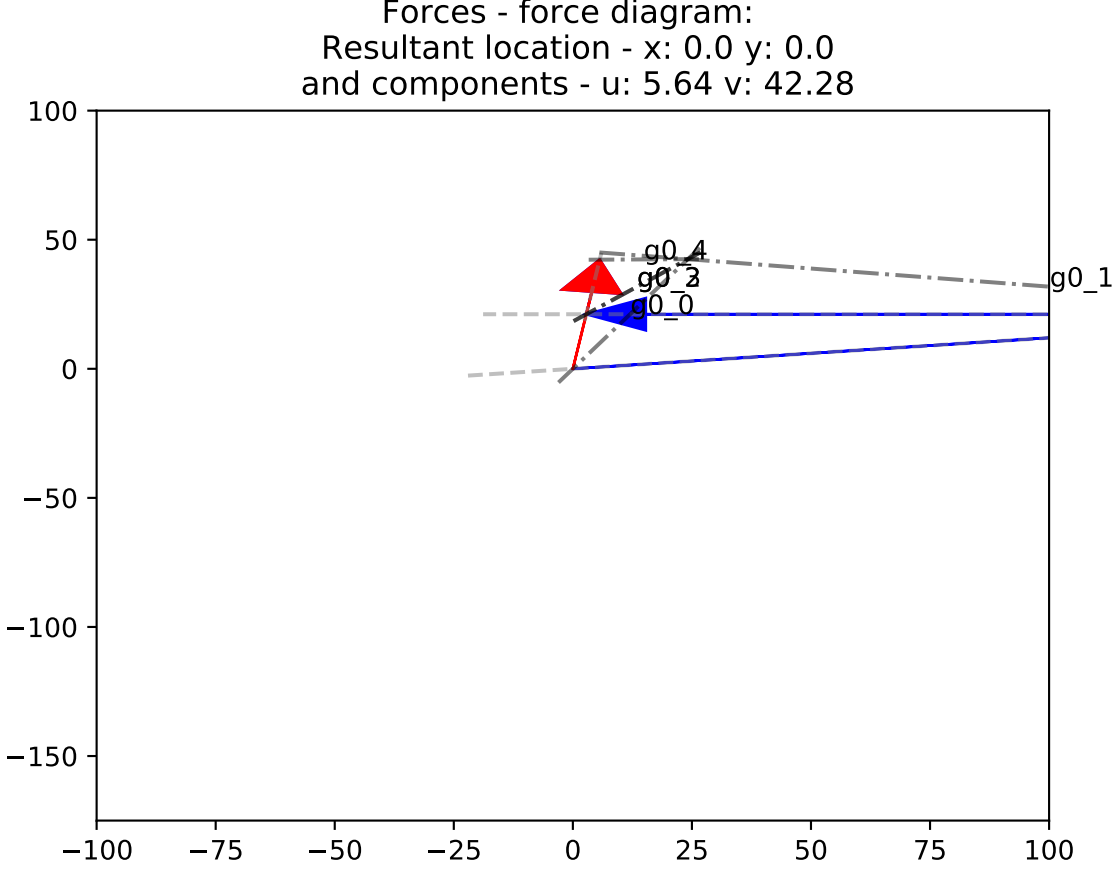

Forces - force diagram:
Resultant has zero magnitude (equilibrium)
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_0
g0_3
g0_2
g0_1

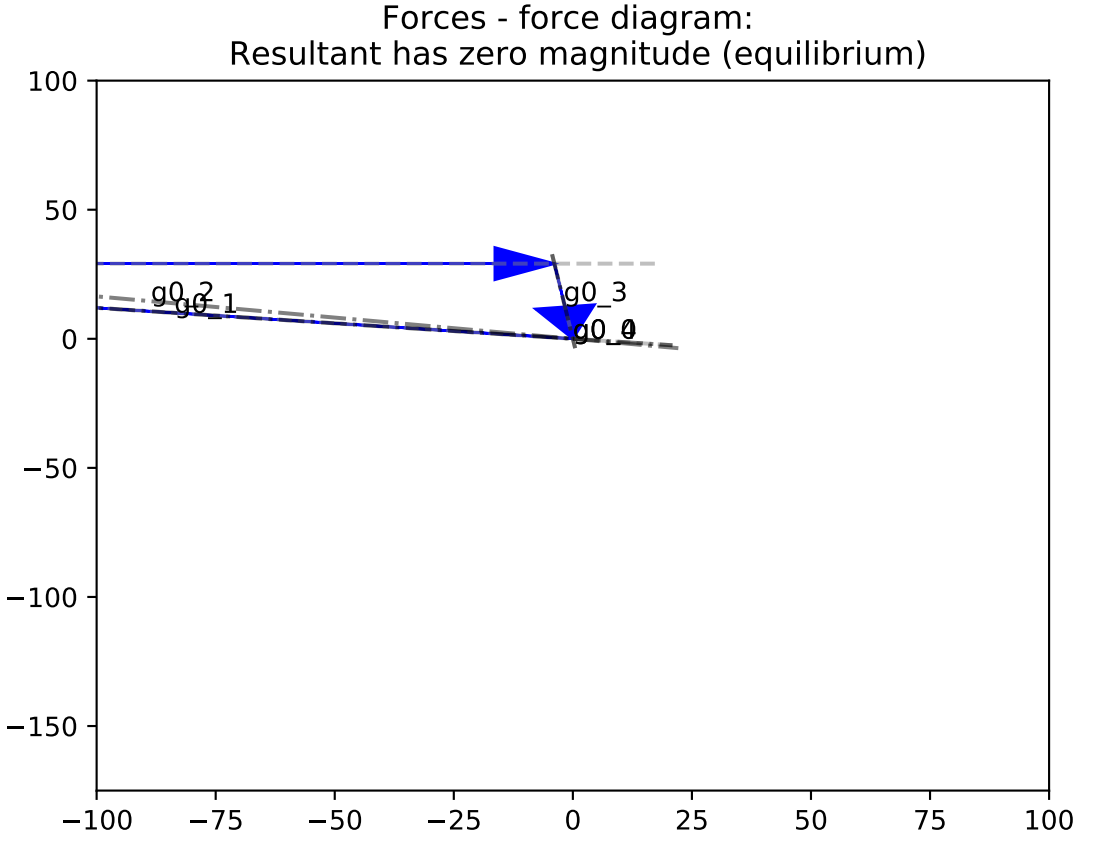

Forces - force diagram:
Resultant location - x: 0.0 y: 0.0
and components - u: -5.64 v: -42.28
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_0
g0_1
g0_2
g0_3
g0_4
g0_5

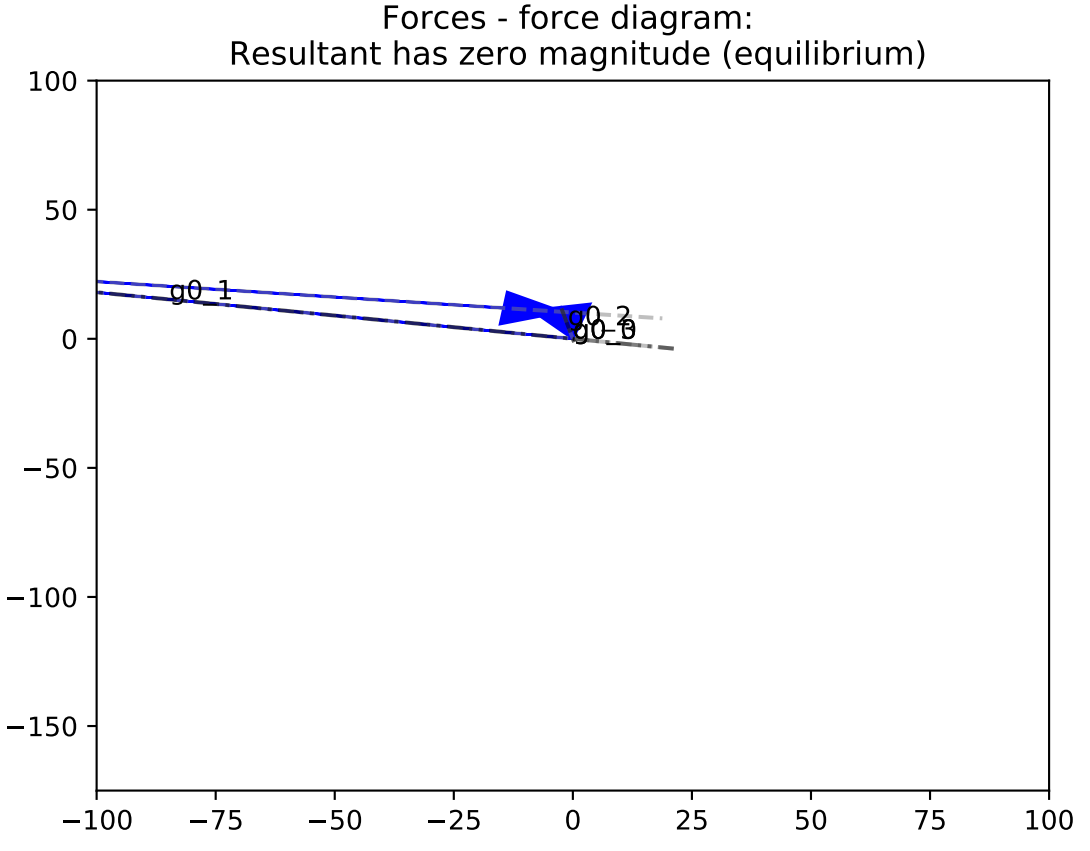

Forces - force diagram:
Resultant has zero magnitude (equilibrium)
g0_2
g0_1
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100

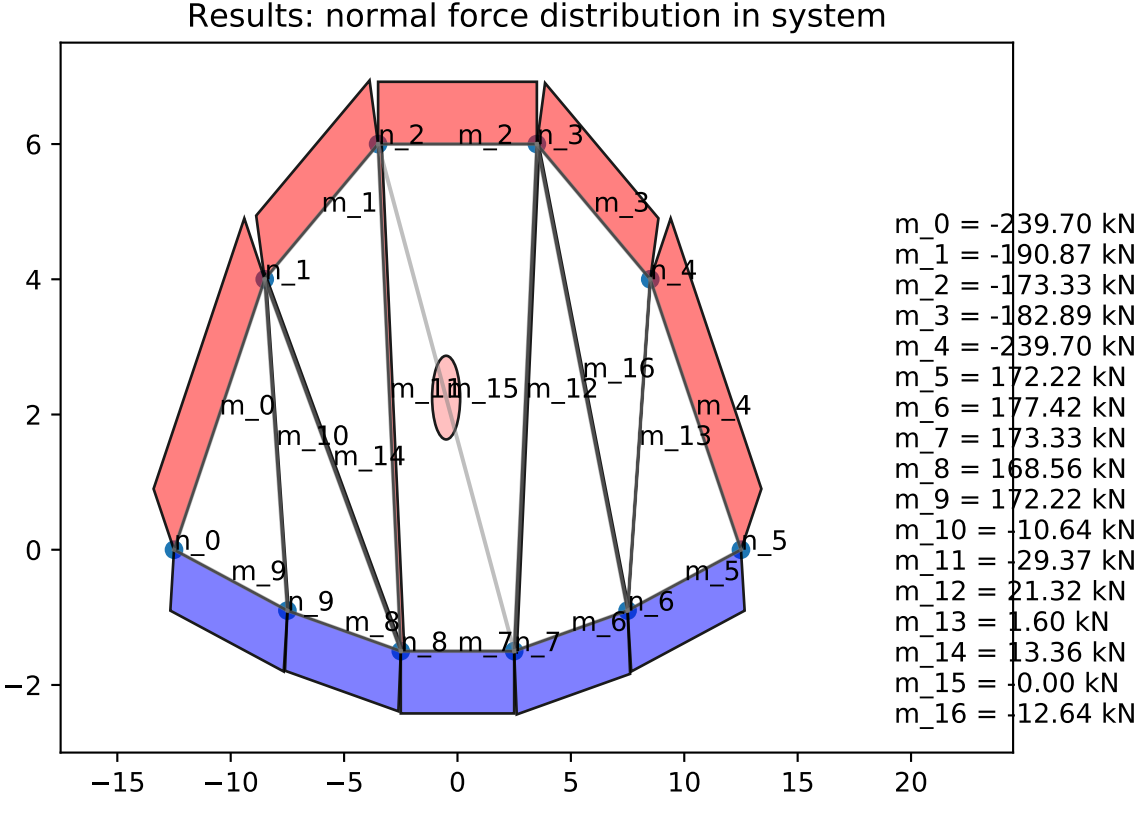

Forces - force diagram:
Resultant has zero magnitude (equilibrium)
g0_1
g0_2
g0_0
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100


Forces - force diagram:
Resultant has zero magnitude (equilibrium)
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100


Forces - force diagram:
Resultant location - x: 0.0 y: 0.0
and components - u: 5.64 v: 42.28
g0_4
g0_3
g0_2
g0_1
g0_0
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100


Forces - force diagram:
Resultant has zero magnitude (equilibrium)
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_2
g0_1
g0_3
g0_4


Forces - force diagram:
Resultant has zero magnitude (equilibrium)
100
50
0
−50
−100
−150
−100
−75
−50
−25
0
25
50
75
100
g0_1
g0_2
g0_0


Results: normal force distribution in system
m_0 = -239.70 kN
m_1 = -190.87 kN
m_2 = -173.33 kN
m_3 = -182.89 kN
m_4 = -239.70 kN
m_5 = 172.22 kN
m_6 = 177.42 kN
m_7 = 173.33 kN
m_8 = 168.56 kN
m_9 = 172.22 kN
m_10 = -10.64 kN
m_11 = -29.37 kN
m_12 = 21.32 kN
m_13 = 1.60 kN
m_14 = 13.36 kN
m_15 = -0.00 kN
m_16 = -12.64 kN
n_0
n_1
n_2
n_3
n_4
n_5
n_6
n_7
n_8
n_9
6
4
2
0
−2
−15
−10
−5
0
5
10
15
20