>> gofa\_127

dependencies of 2 screws:

solving for columns [1 2] -------------------------------------

not found

cost:

1.1142

solving for columns [1 3] -------------------------------------

not found

cost:

1.1362

solving for columns [1 4] -------------------------------------

found:

0 0.1562 -1.7270 0.2338 -0.3467 0

cost:

6.3289e-15

solving for columns [1 5] -------------------------------------

found:

0 -0.8561 0.8561 -1.5708 -0.2018 0

cost:

6.7315e-15

solving for columns [1 6] -------------------------------------

found:

0 -0.4549 -0.1141 0.0000 -1.0019 0

cost:

1.3625e-15

solving for columns [2 3] -------------------------------------

not found

cost:

0.4998

solving for columns [2 4] -------------------------------------

not found

cost:

1.1142

solving for columns [2 5] -------------------------------------

not found

cost:

0.0262

solving for columns [2 6] -------------------------------------

not found

cost:

0.0069

solving for columns [3 4] -------------------------------------

not found

cost:

1.1362

solving for columns [3 5] -------------------------------------

not found

cost:

0.2973

solving for columns [3 6] -------------------------------------

not found

cost:

0.2182

solving for columns [4 5] -------------------------------------

not found

cost:

1.0000

solving for columns [4 6] -------------------------------------

not found

cost:

0.0018

solving for columns [5 6] -------------------------------------

not found

cost:

1.0032

dependencies of 3 screws:

solving for columns [1 2 3] -------------------------------------

not found

cost:

0.4998

solving for columns [1 2 4] -------------------------------------

not found

cost:

0.0011

solving for columns [1 2 5] -------------------------------------

not found

cost:

8.4421e-05

solving for columns [1 2 6] -------------------------------------

found:

0 -0.2458 1.7270 -1.4089 0.5082 0

cost:

7.5490e-15

solving for columns [1 3 4] -------------------------------------

not found

cost:

0.0011

solving for columns [1 3 5] -------------------------------------

not found

cost:

2.9334e-04

solving for columns [1 3 6] -------------------------------------

not found

cost:

1.1778e-05

solving for columns [1 4 5] -------------------------------------

found:

0 -0.3612 -0.5305 -1.5708 0.2745 0

cost:

3.5565e-15

solving for columns [1 4 6] -------------------------------------

found:

0 0.0146 0.0072 0.0000 -0.1468 0

cost:

3.5445e-17

solving for columns [1 5 6] -------------------------------------

not found

cost:

3.4843e-06

solving for columns [2 3 4] -------------------------------------

not found

cost:

0.4998

solving for columns [2 3 5] -------------------------------------

found:

0 -0.0000 -1.3676 0.0000 -0.0000 0

cost:

1.9031e-15

solving for columns [2 3 6] -------------------------------------

found:

0 -0.0407 -1.3331 -1.5708 -1.5708 0

cost:

7.1119e-15

solving for columns [2 4 5] -------------------------------------

not found

cost:

0.0262

solving for columns [2 4 6] -------------------------------------

found:

0 0.0003 -1.7270 1.5708 -0.0650 0

cost:

5.5447e-15

solving for columns [2 5 6] -------------------------------------

not found

cost:

0.0071

solving for columns [3 4 5] -------------------------------------

not found

cost:

0.2973

solving for columns [3 4 6] -------------------------------------

not found

cost:

2.7523e-04

solving for columns [3 5 6] -------------------------------------

not found

cost:

0.2182

solving for columns [4 5 6] -------------------------------------

not found

cost:

0.0064

dependencies of 4 screws:

solving for columns [1 2 3 4] -------------------------------------

not found

cost:

5.0032e-04

solving for columns [1 2 3 5] -------------------------------------

not found

cost:

1.9108e-05

solving for columns [1 2 3 6] -------------------------------------

found:

0 0.0000 -1.3244 -1.3993 -0.9747 0

cost:

5.5777e-15

solving for columns [1 2 4 5] -------------------------------------

not found

cost:

6.4196e-05

solving for columns [1 2 4 6] -------------------------------------

found:

0 1.1845 1.7270 -0.7697 0.5082 0

cost:

5.2540e-15

solving for columns [1 2 5 6] -------------------------------------

not found

cost:

1.8458e-06

solving for columns [1 3 4 5] -------------------------------------

not found

cost:

5.0619e-05

solving for columns [1 3 4 6] -------------------------------------

not found

cost:

9.6456e-07

solving for columns [1 3 5 6] -------------------------------------

found:

0 -0.4616 -0.0960 0.0136 -1.0131 0

cost:

1.4309e-08

solving for columns [1 4 5 6] -------------------------------------

found:

0 -0.4595 -0.4138 0.0022 1.2109 0

cost:

8.3828e-08

solving for columns [2 3 4 5] -------------------------------------

not found

cost:

0.0010

solving for columns [2 3 4 6] -------------------------------------

found:

0 0.0460 -1.4035 1.5708 0.7493 0

cost:

5.1241e-15

solving for columns [2 3 5 6] -------------------------------------

not found

cost:

1.1313e-06

solving for columns [2 4 5 6] -------------------------------------

not found

cost:

1.3471e-04

solving for columns [3 4 5 6] -------------------------------------

not found

cost:

3.0518e-04

dependencies of 5 screws:

solving for columns [1 2 3 4 5] -------------------------------------

found:

0 -0.0000 -1.3676 0.7577 0.0000 0

cost:

2.4585e-15

solving for columns [1 2 3 4 6] -------------------------------------

found:

0 -0.0000 -1.3329 0.6185 -1.6647 0

cost:

4.9375e-15

solving for columns [1 2 3 5 6] -------------------------------------

found:

0 0.1384 -1.3712 -0.3672 1.1457 0

cost:

3.4081e-15

solving for columns [1 2 4 5 6] -------------------------------------

not found

cost:

3.2349e-05

solving for columns [1 3 4 5 6] -------------------------------------

not found

cost:

1.6118e-06

solving for columns [2 3 4 5 6] -------------------------------------

not found

cost:

1.2501e-07

dependencies of 6 screws:

solving for columns [1 2 3 4 5 6] -------------------------------------

found:

0 1.2683 -1.3813 -0.7392 1.0812 0

cost:

5.2323e-15

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