### 1.1.1

```
iter:  8
A[1][0]: 5.732002112420017e-11
A:
[[ 681. -130.   48.  -33.   17.]
 [   0.   18.   -4.    4.   -2.]
 [   0.    0.    2.   -0.    0.]
 [   0.    0.    0.    0.   -0.]
 [   0.    0.    0.    0.    0.]]
```

### 1.1.2

```
iter:  8
R_0:
[[-6.80926658e+02  1.29785039e+02 -4.80047507e+01  3.29546793e+01
   1.68972529e+01]
 [ 0.00000000e+00 -1.76584868e+01  3.94000666e+00 -3.88787075e+00
  -2.17967102e+00]
 [ 0.00000000e+00  0.00000000e+00 -1.97307233e+00  4.82572268e-01
   4.47583086e-01]
 [ 0.00000000e+00  0.00000000e+00  0.00000000e+00 -4.12353534e-01
  -1.89839670e-01]
 [ 0.00000000e+00  0.00000000e+00  0.00000000e+00  0.00000000e+00
   2.94391956e-02]]
A[1][0]: 5.7320021124199884e-11
A:
[[ 681. -130.   48.  -33.   17.]
 [   0.   18.   -4.    4.   -2.]
 [   0.    0.    2.   -0.    0.]
 [   0.    0.    0.    0.   -0.]
 [   0.    0.    0.    0.    0.]]
```

### 1.2.1

```
singB:  [16.456019909970575, 0.4465520380111604]
singC:  [20.345722645130266, 6.552720586469557, 0.33678325833028916]
```

### 2.1

```
iter:  1 x:  [3.1481481481481484, 4.8, 2.037037037037037]
iter:  2 x:  [2.2323731138545955, 3.635445816186557, 1.9283737235177565]
iter:  3 x:  [2.4831137981450437, 3.549637984272948, 1.9253194114367038]
iter:  4 x:  [2.5019559598976193, 3.5425083611827253, 1.9251025125725862]
iter:  5 x:  [2.5035242540018086, 3.5419099633895987, 1.9250845515297887]
```

### 2.2

```
iter:  1 x:  [3.1481481481481484, 3.5407407407407407, 1.9131687242798352]
iter:  2 x:  [2.50303307422649, 3.5436976070720925, 1.9250605429389152]
iter:  3 x:  [2.503256868275751, 3.5420225136311774, 1.9250874188535751]
iter:  4 x:  [2.50363110207114, 3.5418692366577447, 1.9250833270605767]
iter:  5 x:  [2.5036648605249883, 3.5418562788485946, 1.925082941863452]
```