```
>> analysis
Warning: Directory already exists.
> In analysis (line 11)

mu =

    0.0049


mu_bar =

    4.9411e+04


rho =

    1.5000

    "Objective Value"     "252.9823"     "1"

    "Objective Value"     "252.9823"     "2"

    "Objective Value"     "265.7616"     "3"

    "Objective Value"     "328.6801"     "4"

    "Objective Value"     "396.0865"     "5"

    "Objective Value"     "465.3835"     "6"

    "Objective Value"     "491.7977"     "7"

    "Objective Value"     "561.0564"     "8"

    "Objective Value"     "568.4974"     "9"

    "Objective Value"     "606.2542"     "10"

#svd 10 r(A) 55 |E|_0 41315 stopCriterion 0.064241
    "Objective Value"     "632.0536"     "11"

    "Objective Value"     "654.7072"     "12"

    "Objective Value"     "672.5948"     "13"

    "Objective Value"     "685.3558"     "14"

    "Objective Value"     "693.9068"     "15"

    "Objective Value"     "702.1867"     "16"

    "Objective Value"     "706.1961"     "17"
```

```
    "Objective Value"     "708.3169"     "18"

    "Objective Value"     "709.4795"     "19"

    "Objective Value"     "710.15"     "20"

#svd 20 r(A) 298 |E|_0 171614 stopCriterion 0.00029367
    "Objective Value"     "710.562"     "21"

    "Objective Value"     "710.8316"     "22"

    "Objective Value"     "711.0154"     "23"

    "Objective Value"     "711.1436"     "24"

    "Objective Value"     "711.233"     "25"

    "Objective Value"     "711.2949"     "26"

    "Objective Value"     "711.3372"     "27"

    "Objective Value"     "711.3658"     "28"

    "Objective Value"     "711.3848"     "29"

    "Objective Value"     "711.3973"     "30"

#svd 30 r(A) 295 |E|_0 169943 stopCriterion 2.7926e-06
    "Objective Value"     "711.4055"     "31"

    "Objective Value"     "711.4108"     "32"

    "Objective Value"     "711.4142"     "33"

    "Objective Value"     "711.4165"     "34"

    "Objective Value"     "711.418"     "35"

    "Objective Value"     "711.419"     "36"

    "Objective Value"     "711.4197"     "37"

    "Objective Value"     "711.4202"     "38"

    "Objective Value"     "711.4205"     "39"


mu =

    0.0049


mu_bar =
```

    4.9374e+04

rho =

    1.5000

    "Objective Value"   "253.1717"   "1"

    "Objective Value"   "253.1717"   "2"

    "Objective Value"   "265.9733"   "3"

    "Objective Value"   "328.7156"   "4"

    "Objective Value"   "396.2592"   "5"

    "Objective Value"   "468.2747"   "6"

    "Objective Value"   "497.8672"   "7"

    "Objective Value"   "560.3436"   "8"

    "Objective Value"   "575.8686"   "9"

    "Objective Value"   "619.2584"   "10"
#svd 10 r(A) 61 |E|_0 91690 stopCriterion 0.069346
    "Objective Value"   "659.9377"   "11"

    "Objective Value"   "691.6832"   "12"

    "Objective Value"   "714.4269"   "13"

    "Objective Value"   "730.229"   "14"

    "Objective Value"   "741.1902"   "15"

    "Objective Value"   "751.8893"   "16"

    "Objective Value"   "757.4452"   "17"

    "Objective Value"   "760.6176"   "18"

    "Objective Value"   "762.5203"   "19"

    "Objective Value"   "763.7156"   "20"

#svd 20 r(A) 296 |E|_0 182370 stopCriterion 0.00027482
    "Objective Value"   "764.4972"   "21"

    "Objective Value"   "765.0237"   "22"

```
     "Objective Value"     "765.3832"     "23"

     "Objective Value"     "765.6291"     "24"

     "Objective Value"     "765.7968"     "25"

     "Objective Value"     "765.9103"     "26"

     "Objective Value"     "765.9861"     "27"

     "Objective Value"     "766.0364"     "28"

     "Objective Value"     "766.0696"     "29"

     "Objective Value"     "766.0915"     "30"
#svd 30 r(A) 292 |E|_0 179977 stopCriterion 2.5766e-06
     "Objective Value"     "766.1059"     "31"

     "Objective Value"     "766.1154"     "32"

     "Objective Value"     "766.1217"     "33"

     "Objective Value"     "766.1259"     "34"

     "Objective Value"     "766.1288"     "35"

     "Objective Value"     "766.1307"     "36"

     "Objective Value"     "766.1319"     "37"

     "Objective Value"     "766.1328"     "38"

     "Objective Value"     "766.1334"     "39"


mu =

    0.0049


mu_bar =

   4.9392e+04


rho =

    1.5000

     "Objective Value"     "253.0799"     "1"
```

```
     "Objective Value"     "253.0799"     "2"

     "Objective Value"     "266.419"      "3"

     "Objective Value"     "330.9453"     "4"

     "Objective Value"     "397.5614"     "5"

     "Objective Value"     "472.9337"     "6"

     "Objective Value"     "494.7146"     "7"

     "Objective Value"     "570.0406"     "8"

     "Objective Value"     "643.11"      "9"

     "Objective Value"     "706.3741"     "10"

#svd 10 r(A) 93 |E|_0 121856 stopCriterion 0.061765
     "Objective Value"     "754.4575"     "11"

     "Objective Value"     "788.0183"     "12"

     "Objective Value"     "810.7682"     "13"

     "Objective Value"     "835.7645"     "14"

     "Objective Value"     "848.352"      "15"

     "Objective Value"     "855.1935"     "16"

     "Objective Value"     "859.0917"     "17"

     "Objective Value"     "861.4303"     "18"

     "Objective Value"     "862.9069"     "19"

     "Objective Value"     "863.8811"     "20"

#svd 20 r(A) 297 |E|_0 177996 stopCriterion 0.00020598
     "Objective Value"     "864.5429"     "21"

     "Objective Value"     "864.9976"     "22"

     "Objective Value"     "865.3101"     "23"

     "Objective Value"     "865.5235"     "24"

     "Objective Value"     "865.6678"     "25"

     "Objective Value"     "865.7643"     "26"

     "Objective Value"     "865.8282"     "27"
```

```
"Objective Value"      "865.8703"     "28"

"Objective Value"      "865.8979"     "29"

"Objective Value"      "865.9161"     "30"
```
#svd 30 r(A) 294 |E|_0 176110 stopCriterion 2.6572e-06
```
"Objective Value"      "865.9281"     "31"

"Objective Value"      "865.936"      "32"

"Objective Value"      "865.9413"     "33"

"Objective Value"      "865.9449"     "34"

"Objective Value"      "865.9473"     "35"

"Objective Value"      "865.9489"     "36"

"Objective Value"      "865.95"       "37"

"Objective Value"      "865.9508"     "38"

"Objective Value"      "865.9512"     "39"
```

mu =

    0.0049

mu_bar =

    4.9372e+04

rho =

    1.5000

```
"Objective Value"      "253.1808"     "1"

"Objective Value"      "253.1808"     "2"

"Objective Value"      "266.0865"     "3"

"Objective Value"      "334.7951"     "4"

"Objective Value"      "399.0844"     "5"

"Objective Value"      "480.5949"     "6"
```

```
     "Objective Value"      "500.8595"      "7"

     "Objective Value"      "612.8297"      "8"

     "Objective Value"      "719.8257"      "9"

     "Objective Value"      "803.4996"      "10"

#svd 10 r(A) 96 |E|_0 158793 stopCriterion 0.06206
     "Objective Value"      "862.1826"      "11"

     "Objective Value"      "902.2484"      "12"

     "Objective Value"      "930.0099"      "13"

     "Objective Value"      "959.8279"      "14"

     "Objective Value"      "975.8124"      "15"

     "Objective Value"      "985.1064"      "16"

     "Objective Value"      "990.7359"      "17"

     "Objective Value"      "994.2846"      "18"

     "Objective Value"      "996.6001"      "19"

     "Objective Value"      "998.1493"      "20"

#svd 20 r(A) 292 |E|_0 187270 stopCriterion 0.00019885
     "Objective Value"      "999.1987"      "21"

     "Objective Value"      "999.9118"      "22"

     "Objective Value"      "1000.3953"     "23"

     "Objective Value"      "1000.7211"     "24"

     "Objective Value"      "1000.9389"     "25"

     "Objective Value"      "1001.0836"     "26"

     "Objective Value"      "1001.1794"     "27"

     "Objective Value"      "1001.2426"     "28"

     "Objective Value"      "1001.2845"     "29"

     "Objective Value"      "1001.3123"     "30"

#svd 30 r(A) 289 |E|_0 185506 stopCriterion 2.2871e-06
     "Objective Value"      "1001.3307"     "31"
```

```
    "Objective Value"      "1001.3431"     "32"

    "Objective Value"      "1001.3513"     "33"

    "Objective Value"      "1001.3568"     "34"

    "Objective Value"      "1001.3605"     "35"

    "Objective Value"      "1001.363"      "36"

    "Objective Value"      "1001.3647"     "37"

    "Objective Value"      "1001.3658"     "38"


mu =

    0.0049


mu_bar =

    4.9272e+04


rho =

    1.5000

    "Objective Value"      "253.6914"     "1"

    "Objective Value"      "253.6914"     "2"

    "Objective Value"      "270.9883"     "3"

    "Objective Value"      "352.8208"     "4"

    "Objective Value"      "399.9218"     "5"

    "Objective Value"      "622.0304"     "6"

    "Objective Value"      "851.3881"     "7"

    "Objective Value"      "1036.6019"     "8"

    "Objective Value"      "1170.8966"     "9"

    "Objective Value"      "1262.761"     "10"

#svd 10 r(A) 137 |E|_0 181315 stopCriterion 0.049368
    "Objective Value"      "1325.9661"     "11"

    "Objective Value"      "1370.2431"     "12"
```

```
    "Objective Value"     "1413.8032"     "13"

    "Objective Value"     "1437.8293"     "14"

    "Objective Value"     "1452.0806"     "15"

    "Objective Value"     "1460.8738"     "16"

    "Objective Value"     "1466.5078"     "17"

    "Objective Value"     "1470.2309"     "18"

    "Objective Value"     "1472.7389"     "19"

    "Objective Value"     "1474.4427"     "20"

#svd 20 r(A) 291 |E|_0 188666 stopCriterion 0.00015153
    "Objective Value"     "1475.5997"     "21"

    "Objective Value"     "1476.3821"     "22"

    "Objective Value"     "1476.907"      "23"

    "Objective Value"     "1477.2565"     "24"

    "Objective Value"     "1477.488"      "25"

    "Objective Value"     "1477.6409"     "26"

    "Objective Value"     "1477.742"      "27"

    "Objective Value"     "1477.8089"     "28"

    "Objective Value"     "1477.8534"     "29"

    "Objective Value"     "1477.883"      "30"

#svd 30 r(A) 290 |E|_0 187668 stopCriterion 1.6672e-06
    "Objective Value"     "1477.9029"     "31"

    "Objective Value"     "1477.9162"     "32"

    "Objective Value"     "1477.9251"     "33"

    "Objective Value"     "1477.9311"     "34"

    "Objective Value"     "1477.9351"     "35"

    "Objective Value"     "1477.9377"     "36"

    "Objective Value"     "1477.9395"     "37"
```

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