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

mu =

    0.0042


mu_bar =

   4.1561e+04


rho =

   1.5000

    "Objective Value"     "300.7595"     "1"

    "Objective Value"     "300.7595"     "2"

    "Objective Value"     "300.7595"     "3"

    "Objective Value"     "300.7595"     "4"

    "Objective Value"     "301.6306"     "5"

    "Objective Value"     "354.5325"     "6"

    "Objective Value"     "409.0793"     "7"

    "Objective Value"     "507.374"     "8"

    "Objective Value"     "533.4447"     "9"

    "Objective Value"     "590.4963"     "10"

#svd 10 r(A) 58 |E|_0 50922 stopCriterion 0.066626
    "Objective Value"     "631.4207"     "11"

    "Objective Value"     "661.1901"     "12"

    "Objective Value"     "682.2778"     "13"

    "Objective Value"     "696.7033"     "14"

    "Objective Value"     "706.442"     "15"

    "Objective Value"     "716.024"     "16"

    "Objective Value"     "720.6092"     "17"
```

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    "Objective Value"     "723.0556"     "18"

    "Objective Value"     "724.4092"     "19"

    "Objective Value"     "725.1968"     "20"

#svd 20 r(A) 297 |E|_0 171127 stopCriterion 0.00030398
    "Objective Value"     "725.6863"     "21"

    "Objective Value"     "726.0086"     "22"

    "Objective Value"     "726.229"      "23"

    "Objective Value"     "726.3826"     "24"

    "Objective Value"     "726.4898"     "25"

    "Objective Value"     "726.5641"     "26"

    "Objective Value"     "726.6148"     "27"

    "Objective Value"     "726.6489"     "28"

    "Objective Value"     "726.6715"     "29"

    "Objective Value"     "726.6863"     "30"

#svd 30 r(A) 294 |E|_0 169420 stopCriterion 3.0576e-06
    "Objective Value"     "726.696"      "31"

    "Objective Value"     "726.7023"     "32"

    "Objective Value"     "726.7064"     "33"

    "Objective Value"     "726.7091"     "34"

    "Objective Value"     "726.7109"     "35"

    "Objective Value"     "726.7121"     "36"

    "Objective Value"     "726.713"      "37"

    "Objective Value"     "726.7135"     "38"

    "Objective Value"     "726.7139"     "39"

    "Objective Value"     "726.7141"     "40"

#svd 40 r(A) 294 |E|_0 170360 stopCriterion 7.1857e-08

mu =

    0.0042
```

```
mu_bar =

    4.1573e+04


rho =

    1.5000

    "Objective Value"     "300.6724"     "1"

    "Objective Value"     "300.6724"     "2"

    "Objective Value"     "300.6724"     "3"

    "Objective Value"     "300.6724"     "4"

    "Objective Value"     "302.1207"     "5"

    "Objective Value"     "356.5964"     "6"

    "Objective Value"     "408.0908"     "7"

    "Objective Value"     "510.8013"     "8"

    "Objective Value"     "539.3777"     "9"

    "Objective Value"     "597.7729"     "10"
#svd 10 r(A) 61 |E|_0 86694 stopCriterion 0.072061
    "Objective Value"     "646.701"      "11"

    "Objective Value"     "683.4946"     "12"

    "Objective Value"     "709.5751"     "13"

    "Objective Value"     "727.3994"     "14"

    "Objective Value"     "739.5918"     "15"

    "Objective Value"     "751.8049"     "16"

    "Objective Value"     "758.1191"     "17"

    "Objective Value"     "761.7094"     "18"

    "Objective Value"     "763.8477"     "19"

    "Objective Value"     "765.1782"     "20"

#svd 20 r(A) 296 |E|_0 180226 stopCriterion 0.0002849
```

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    "Objective Value"      "766.0409"      "21"

    "Objective Value"      "766.6177"      "22"

    "Objective Value"      "767.0106"      "23"

    "Objective Value"      "767.2799"      "24"

    "Objective Value"      "767.4637"      "25"

    "Objective Value"      "767.5884"      "26"

    "Objective Value"      "767.6721"      "27"

    "Objective Value"      "767.7278"      "28"

    "Objective Value"      "767.7647"      "29"

    "Objective Value"      "767.7889"      "30"
#svd 30 r(A) 293 |E|_0 177772 stopCriterion 2.7475e-06
    "Objective Value"      "767.8049"      "31"

    "Objective Value"      "767.8154"      "32"

    "Objective Value"      "767.8224"      "33"

    "Objective Value"      "767.827"       "34"

    "Objective Value"      "767.8301"      "35"

    "Objective Value"      "767.8322"      "36"

    "Objective Value"      "767.8336"      "37"

    "Objective Value"      "767.8346"      "38"

    "Objective Value"      "767.8352"      "39"


mu =

    0.0042


mu_bar =

    4.1569e+04


rho =

    1.5000
```

```
    "Objective Value"      "300.7063"      "1"

    "Objective Value"      "300.7063"      "2"

    "Objective Value"      "300.7063"      "3"

    "Objective Value"      "300.7063"      "4"

    "Objective Value"      "302.434"       "5"

    "Objective Value"      "360.476"       "6"

    "Objective Value"      "413.8302"      "7"

    "Objective Value"      "524.0736"      "8"

    "Objective Value"      "610.9357"      "9"

    "Objective Value"      "683.6593"      "10"

#svd 10 r(A) 89 |E|_0 112309 stopCriterion 0.065166
    "Objective Value"      "738.1059"      "11"

    "Objective Value"      "776.003"       "12"

    "Objective Value"      "801.821"       "13"

    "Objective Value"      "819.5199"      "14"

    "Objective Value"      "836.9615"      "15"

    "Objective Value"      "845.7678"      "16"

    "Objective Value"      "850.6941"      "17"

    "Objective Value"      "853.5943"      "18"

    "Objective Value"      "855.3886"      "19"

    "Objective Value"      "856.5519"      "20"

#svd 20 r(A) 297 |E|_0 178875 stopCriterion 0.00022744
    "Objective Value"      "857.3337"      "21"

    "Objective Value"      "857.8688"      "22"

    "Objective Value"      "858.2373"      "23"

    "Objective Value"      "858.4899"      "24"

    "Objective Value"      "858.6618"      "25"
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    "Objective Value"      "858.7773"      "26"

    "Objective Value"      "858.8542"      "27"

    "Objective Value"      "858.9049"      "28"

    "Objective Value"      "858.9381"      "29"

    "Objective Value"      "858.9599"      "30"
#svd 30 r(A) 295 |E|_0 176871 stopCriterion 2.6878e-06
    "Objective Value"      "858.9743"      "31"

    "Objective Value"      "858.9838"      "32"

    "Objective Value"      "858.9901"      "33"

    "Objective Value"      "858.9944"      "34"

    "Objective Value"      "858.9972"      "35"

    "Objective Value"      "858.9991"      "36"

    "Objective Value"      "859.0004"      "37"

    "Objective Value"      "859.0013"      "38"

    "Objective Value"      "859.0019"      "39"


  mu =

    0.0042


  mu_bar =

    4.1531e+04


  rho =

    1.5000

    "Objective Value"      "300.9771"      "1"

    "Objective Value"      "300.9771"      "2"

    "Objective Value"      "300.9771"      "3"

    "Objective Value"      "300.9771"      "4"

    "Objective Value"      "305.1418"      "5"
```

```
     "Objective Value"     "375.9672"     "6"

     "Objective Value"     "430.9529"     "7"

     "Objective Value"     "564.0652"     "8"

     "Objective Value"     "685.1175"     "9"

     "Objective Value"     "778.4517"     "10"

#svd 10 r(A) 92 |E|_0 149854 stopCriterion 0.064563
     "Objective Value"     "845.0169"     "11"

     "Objective Value"     "890.4821"     "12"

     "Objective Value"     "921.8903"     "13"

     "Objective Value"     "957.1564"     "14"

     "Objective Value"     "975.6546"     "15"

     "Objective Value"     "986.2352"     "16"

     "Objective Value"     "992.5648"     "17"

     "Objective Value"     "996.5131"     "18"

     "Objective Value"     "999.0684"     "19"

     "Objective Value"     "1000.7702"    "20"

#svd 20 r(A) 294 |E|_0 185449 stopCriterion 0.00020856
     "Objective Value"     "1001.9216"    "21"

     "Objective Value"     "1002.7054"    "22"

     "Objective Value"     "1003.2374"    "23"

     "Objective Value"     "1003.5968"    "24"

     "Objective Value"     "1003.838"     "25"

     "Objective Value"     "1003.9987"    "26"

     "Objective Value"     "1004.1051"    "27"

     "Objective Value"     "1004.1754"    "28"

     "Objective Value"     "1004.2218"    "29"

     "Objective Value"     "1004.2525"    "30"
```

```
#svd 30 r(A) 291 |E|_0 183627 stopCriterion 2.4283e-06
    "Objective Value"    "1004.2729"    "31"

    "Objective Value"    "1004.2865"    "32"

    "Objective Value"    "1004.2955"    "33"

    "Objective Value"    "1004.3016"    "34"

    "Objective Value"    "1004.3057"    "35"

    "Objective Value"    "1004.3085"    "36"

    "Objective Value"    "1004.3103"    "37"

    "Objective Value"    "1004.3115"    "38"


mu =

    0.0041


mu_bar =

    4.1456e+04


rho =

    1.5000

    "Objective Value"    "301.5252"    "1"

    "Objective Value"    "301.5252"    "2"

    "Objective Value"    "301.5484"    "3"

    "Objective Value"    "301.5315"    "4"

    "Objective Value"    "309.5237"    "5"

    "Objective Value"    "524.5415"    "6"

    "Objective Value"    "780.8207"    "7"

    "Objective Value"    "994.0086"    "8"

    "Objective Value"    "1149.4782"    "9"

    "Objective Value"    "1255.7672"    "10"

#svd 10 r(A) 132 |E|_0 175701 stopCriterion 0.052561
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```
     "Objective Value"      "1327.5026"      "11"

     "Objective Value"      "1376.8789"      "12"

     "Objective Value"      "1427.6434"      "13"

     "Objective Value"      "1455.0664"      "14"

     "Objective Value"      "1471.056"      "15"

     "Objective Value"      "1480.8187"      "16"

     "Objective Value"      "1487.0142"      "17"

     "Objective Value"      "1491.0842"      "18"

     "Objective Value"      "1493.8208"      "19"

     "Objective Value"      "1495.6787"      "20"

#svd 20 r(A) 293 |E|_0 186764 stopCriterion 0.00016214
     "Objective Value"      "1496.9416"      "21"

     "Objective Value"      "1497.7959"      "22"

     "Objective Value"      "1498.3698"      "23"

     "Objective Value"      "1498.7526"      "24"

     "Objective Value"      "1499.0065"      "25"

     "Objective Value"      "1499.1743"      "26"

     "Objective Value"      "1499.2851"      "27"

     "Objective Value"      "1499.3585"      "28"

     "Objective Value"      "1499.4071"      "29"

     "Objective Value"      "1499.4396"      "30"

#svd 30 r(A) 293 |E|_0 185717 stopCriterion 1.7936e-06
     "Objective Value"      "1499.4613"      "31"

     "Objective Value"      "1499.4758"      "32"

     "Objective Value"      "1499.4855"      "33"

     "Objective Value"      "1499.4921"      "34"

     "Objective Value"      "1499.4964"      "35"

     "Objective Value"      "1499.4993"      "36"
```

```
    "Objective Value"      "1499.5013"      "37"

    "Objective Value"      "1499.5026"      "38"

>>
```