

# CompressedSensing

March 8, 2021

```
[1]: import numpy as np
import math
import random
import pandas as pd
from cvxopt import matrix, solvers
from cvxopt.modeling import variable, op, sum, dot
import matplotlib.pyplot as plt
```

## 0.0.1 Prerequisite

```
[3]: N = 20
d = 20
K = 20
S = np.zeros((N, K), dtype = float)
```

```
[4]: """
Define a fuction turn 0 into -1 and remain those 1's
"""
def function(a):
    if a == 0 :
        return -1
    else:
        return 1
```

## 0.0.2 Simulation

```
[13]: for n in range(1, N+1):
    A = np.random.normal(loc=0, scale=1, size=(n, d))
    for k in range(1, n+1):
        for i in range(1, 50+1):
            # Make a sparse x0
            x0 = np.zeros(d)
            t = random.sample(range(d), k)
            rand_bino = np.random.binomial(1, 0.5, k)
            result = map(function, rand_bino)
            result_list = list(result)
            x0[t]=result_list
```

```

# Draw a standard Gaussian Random Matrix
A = np.random.normal(loc=0, scale=1, size=(n, d))

b = np.dot(A, x0)
# = [-1 if x0[i]<0 else 1 for i in range(len(x0))]
A = A.T
A = matrix(A)
b = matrix(b)
#c = matrix(c)
# Solve the linear programming problem
x = variable(d)
op(sum(abs(x)), [dot(A, x) == b]).solve()
x = np.asarray(x.value)
x = np.squeeze(x)
dist = np.sqrt(np.sum(np.square(x-x0)))
if dist <= 1e-3:
    S[n, k]+=1

```

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5646e-02	2.5594e-02	1e+00	4e-01	2e-16	6e-02
2:	2.6172e-01	2.6024e-01	4e-01	1e-01	3e-16	2e-02
3:	2.4616e-01	2.4344e-01	2e-01	6e-02	1e-15	6e-03
4:	2.6248e-01	2.6242e-01	5e-03	1e-03	4e-16	2e-04
5:	2.6261e-01	2.6261e-01	5e-05	1e-05	4e-16	2e-06
6:	2.6261e-01	2.6261e-01	5e-07	1e-07	5e-16	2e-08
7:	2.6261e-01	2.6261e-01	5e-09	1e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	3.5723e-04	3.5712e-04	3e-01	1e-01	2e-16	2e-02
2:	1.8730e-02	1.8596e-02	5e-02	2e-02	5e-16	3e-03
3:	2.9576e-02	2.9511e-02	1e-02	4e-03	2e-15	6e-04
4:	2.9362e-02	2.9300e-02	4e-03	1e-03	1e-14	1e-04
5:	2.9619e-02	2.9618e-02	4e-05	1e-05	7e-16	1e-06
6:	2.9622e-02	2.9622e-02	4e-07	1e-07	1e-15	1e-08
7:	2.9622e-02	2.9622e-02	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	6.4545e-03	6.4452e-03	7e-01	2e-01	2e-16	4e-02
2:	1.1893e-01	1.1802e-01	2e-01	7e-02	2e-16	1e-02
3:	1.1126e-01	1.0973e-01	7e-02	2e-02	9e-16	2e-03
4:	1.1908e-01	1.1906e-01	1e-03	4e-04	2e-16	3e-05
5:	1.1915e-01	1.1915e-01	1e-05	4e-06	3e-16	3e-07
6:	1.1915e-01	1.1915e-01	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3358e-02	1.3326e-02	1e+00	3e-01	3e-16	5e-02
2:	1.6257e-01	1.6122e-01	3e-01	1e-01	2e-16	1e-02
3:	1.5709e-01	1.5558e-01	1e-01	3e-02	1e-15	3e-03
4:	1.6267e-01	1.6265e-01	2e-03	5e-04	3e-16	5e-05
5:	1.6272e-01	1.6272e-01	2e-05	5e-06	4e-16	5e-07
6:	1.6272e-01	1.6272e-01	2e-07	5e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	3.7554e-03	3.7531e-03	5e-01	2e-01	2e-16	3e-02
2:	1.1069e-01	1.1009e-01	1e-01	3e-02	3e-16	4e-03
3:	1.0183e-01	1.0093e-01	7e-02	2e-02	3e-15	3e-03
4:	1.1109e-01	1.1106e-01	2e-03	7e-04	1e-15	7e-05
5:	1.1116e-01	1.1116e-01	2e-05	7e-06	7e-16	7e-07
6:	1.1116e-01	1.1116e-01	2e-07	7e-08	7e-16	7e-09
7:	1.1116e-01	1.1116e-01	2e-09	7e-10	5e-16	7e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	1.2987e-04	1.2985e-04	3e-01	8e-02	2e-16	1e-02
2:	8.4133e-03	8.3708e-03	4e-02	1e-02	4e-16	2e-03
3:	1.9850e-02	1.9809e-02	1e-02	4e-03	9e-16	5e-04
4:	1.9203e-02	1.9115e-02	6e-03	2e-03	5e-15	2e-04
5:	1.9919e-02	1.9917e-02	1e-04	4e-05	1e-15	5e-06
6:	1.9925e-02	1.9925e-02	1e-06	4e-07	1e-15	5e-08
7:	1.9925e-02	1.9925e-02	1e-08	4e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	2.7718e-03	2.7701e-03	5e-01	2e-01	2e-16	2e-02
2:	9.1045e-02	9.0497e-02	8e-02	3e-02	3e-16	3e-03
3:	8.3961e-02	8.3230e-02	5e-02	2e-02	1e-15	2e-03
4:	9.1322e-02	9.1301e-02	1e-03	4e-04	8e-16	5e-05
5:	9.1382e-02	9.1382e-02	1e-05	4e-06	1e-15	5e-07
6:	9.1383e-02	9.1383e-02	1e-07	4e-08	1e-15	5e-09
7:	9.1383e-02	9.1383e-02	1e-09	4e-10	1e-15	5e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	5.3212e-03	5.3158e-03	7e-01	2e-01	2e-16	3e-02
2:	1.1734e-01	1.1654e-01	2e-01	5e-02	5e-16	7e-03
3:	1.1284e-01	1.1181e-01	9e-02	3e-02	1e-15	3e-03
4:	1.1754e-01	1.1752e-01	2e-03	5e-04	5e-16	6e-05
5:	1.1766e-01	1.1766e-01	2e-05	5e-06	8e-16	6e-07
6:	1.1766e-01	1.1766e-01	2e-07	5e-08	3e-16	6e-09
7:	1.1766e-01	1.1766e-01	2e-09	5e-10	7e-16	6e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.2559e-03	9.2466e-03	7e-01	2e-01	2e-16	4e-02
2:	1.6985e-01	1.6893e-01	2e-01	7e-02	3e-16	9e-03
3:	1.5406e-01	1.5227e-01	1e-01	4e-02	1e-15	4e-03
4:	1.7043e-01	1.7036e-01	5e-03	2e-03	5e-16	2e-04
5:	1.7054e-01	1.7054e-01	5e-05	2e-05	5e-16	2e-06
6:	1.7054e-01	1.7054e-01	5e-07	2e-07	5e-16	2e-08
7:	1.7054e-01	1.7054e-01	5e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7956e-01	3.7774e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9648e-01	9.9378e-01	2e+00	5e-01	3e-16	6e-02
3:	9.9024e-01	9.8807e-01	2e-01	5e-02	9e-16	4e-03
4:	9.9990e-01	9.9988e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	6.1260e-02	6.1087e-02	2e+00	5e-01	2e-16	8e-02
2:	4.0763e-01	4.0569e-01	7e-01	2e-01	4e-16	3e-02
3:	3.8321e-01	3.7904e-01	2e-01	6e-02	2e-15	5e-03
4:	4.0894e-01	4.0887e-01	4e-03	1e-03	3e-16	9e-05
5:	4.0917e-01	4.0917e-01	4e-05	1e-05	2e-16	9e-07
6:	4.0917e-01	4.0917e-01	4e-07	1e-07	3e-16	9e-09
7:	4.0917e-01	4.0917e-01	4e-09	1e-09	2e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.5023e-01	1.4966e-01	3e+00	8e-01	2e-16	1e-01
2:	6.4485e-01	6.4244e-01	1e+00	3e-01	3e-16	4e-02
3:	6.2057e-01	6.1592e-01	3e-01	8e-02	3e-15	7e-03
4:	6.4717e-01	6.4711e-01	4e-03	1e-03	4e-16	9e-05
5:	6.4742e-01	6.4742e-01	4e-05	1e-05	3e-16	9e-07
6:	6.4742e-01	6.4742e-01	4e-07	1e-07	4e-16	9e-09
7:	6.4742e-01	6.4742e-01	4e-09	1e-09	3e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0947e-01	3.0831e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9560e-01	9.9308e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6614e-01	9.6165e-01	4e-01	1e-01	3e-15	1e-02
4:	9.9968e-01	9.9962e-01	6e-03	2e-03	5e-16	2e-04
5:	1.0000e+00	1.0000e+00	6e-05	2e-05	7e-16	2e-06
6:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08

```

7: 1.0000e+00 1.0000e+00 6e-09 2e-09 7e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.7867e-01 1.7801e-01 3e+00 8e-01 2e-16 1e-01
2: 7.2107e-01 7.1862e-01 1e+00 3e-01 4e-16 4e-02
3: 6.9225e-01 6.8743e-01 3e-01 9e-02 3e-15 7e-03
4: 7.2379e-01 7.2372e-01 4e-03 1e-03 3e-16 1e-04
5: 7.2408e-01 7.2408e-01 4e-05 1e-05 3e-16 1e-06
6: 7.2408e-01 7.2408e-01 4e-07 1e-07 3e-16 1e-08
7: 7.2408e-01 7.2408e-01 4e-09 1e-09 3e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.0656e-01 1.0569e-01 3e+00 9e-01 2e-16 1e-01
2: 3.8648e-01 3.8393e-01 1e+00 3e-01 4e-16 4e-02
3: 3.8615e-01 3.8586e-01 2e-02 6e-03 4e-16 5e-04
4: 3.8673e-01 3.8673e-01 2e-04 6e-05 2e-16 5e-06
5: 3.8674e-01 3.8674e-01 2e-06 6e-07 2e-16 5e-08
6: 3.8674e-01 3.8674e-01 2e-08 6e-09 1e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 8.6592e-03 8.6477e-03 8e-01 2e-01 2e-16 4e-02
2: 1.4833e-01 1.4732e-01 2e-01 7e-02 3e-16 9e-03
3: 1.4009e-01 1.3860e-01 1e-01 3e-02 8e-16 4e-03
4: 1.4866e-01 1.4862e-01 3e-03 1e-03 4e-16 1e-04
5: 1.4872e-01 1.4872e-01 3e-05 1e-05 7e-16 1e-06
6: 1.4872e-01 1.4872e-01 3e-07 1e-07 7e-16 1e-08
7: 1.4872e-01 1.4872e-01 3e-09 1e-09 8e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 2.0685e-01 2.0643e-01 2e+00 7e-01 2e-16 1e-01
2: 9.9439e-01 9.9206e-01 8e-01 2e-01 6e-16 3e-02
3: 9.5661e-01 9.5237e-01 5e-01 2e-01 1e-15 2e-02
4: 9.9832e-01 9.9815e-01 1e-02 4e-03 1e-15 4e-04
5: 9.9998e-01 9.9998e-01 1e-04 4e-05 1e-15 4e-06
6: 1.0000e+00 1.0000e+00 1e-06 4e-07 3e-15 4e-08
7: 1.0000e+00 1.0000e+00 1e-08 4e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.6805e-02 1.6754e-02 1e+00 4e-01 2e-16 6e-02
2: 1.7253e-01 1.7107e-01 4e-01 1e-01 2e-16 2e-02
3: 1.6778e-01 1.6620e-01 7e-02 2e-02 5e-16 2e-03
4: 1.7259e-01 1.7257e-01 9e-04 3e-04 2e-16 2e-05
5: 1.7263e-01 1.7263e-01 9e-06 3e-06 3e-16 2e-07

```

```

6: 1.7263e-01 1.7263e-01 9e-08 3e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 7.1716e-02 7.1517e-02 2e+00 6e-01 2e-16 8e-02
2: 4.5410e-01 4.5210e-01 7e-01 2e-01 3e-16 3e-02
3: 4.2412e-01 4.1952e-01 2e-01 7e-02 2e-15 6e-03
4: 4.5566e-01 4.5558e-01 4e-03 1e-03 3e-16 1e-04
5: 4.5594e-01 4.5594e-01 4e-05 1e-05 2e-16 1e-06
6: 4.5594e-01 4.5594e-01 4e-07 1e-07 5e-16 1e-08
7: 4.5594e-01 4.5594e-01 4e-09 1e-09 5e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 6e+00 1e-16 1e+00
1: 6.1679e-03 6.1630e-03 6e-01 2e-01 2e-16 3e-02
2: 1.4082e-01 1.4004e-01 1e-01 5e-02 3e-16 6e-03
3: 1.3275e-01 1.3162e-01 1e-01 3e-02 9e-16 4e-03
4: 1.4134e-01 1.4129e-01 3e-03 1e-03 1e-15 1e-04
5: 1.4139e-01 1.4139e-01 3e-05 1e-05 6e-16 1e-06
6: 1.4139e-01 1.4139e-01 3e-07 1e-07 7e-16 1e-08
7: 1.4139e-01 1.4139e-01 3e-09 1e-09 8e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 3.1098e-02 3.1012e-02 1e+00 4e-01 3e-16 6e-02
2: 2.6584e-01 2.6415e-01 5e-01 2e-01 4e-16 2e-02
3: 2.5298e-01 2.5024e-01 1e-01 4e-02 1e-15 3e-03
4: 2.6638e-01 2.6634e-01 2e-03 6e-04 3e-16 5e-05
5: 2.6651e-01 2.6651e-01 2e-05 6e-06 2e-16 5e-07
6: 2.6651e-01 2.6651e-01 2e-07 6e-08 2e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 8.5776e-02 8.5578e-02 2e+00 6e-01 2e-16 8e-02
2: 5.4392e-01 5.4187e-01 6e-01 2e-01 3e-16 3e-02
3: 5.2534e-01 5.2209e-01 2e-01 8e-02 2e-15 8e-03
4: 5.4629e-01 5.4624e-01 4e-03 1e-03 2e-16 1e-04
5: 5.4648e-01 5.4648e-01 4e-05 1e-05 7e-16 1e-06
6: 5.4648e-01 5.4648e-01 4e-07 1e-07 7e-16 1e-08
7: 5.4648e-01 5.4648e-01 4e-09 1e-09 1e-15 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.0882e-02 1.0871e-02 8e-01 2e-01 2e-16 4e-02
2: 1.8885e-01 1.8784e-01 2e-01 6e-02 4e-16 8e-03
3: 1.8420e-01 1.8320e-01 7e-02 2e-02 5e-16 2e-03
4: 1.8960e-01 1.8956e-01 3e-03 9e-04 9e-16 1e-04
5: 1.8962e-01 1.8962e-01 8e-05 3e-05 1e-14 3e-06

```

6:	1.8962e-01	1.8962e-01	8e-07	3e-07	1e-14	3e-08
7:	1.8962e-01	1.8962e-01	8e-09	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1090e-01	3.0972e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9554e-01	9.9310e-01	1e+00	3e-01	1e-15	4e-02
3:	9.6282e-01	9.5847e-01	4e-01	1e-01	5e-15	1e-02
4:	9.9965e-01	9.9958e-01	5e-03	2e-03	5e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	5e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	2.0970e-03	2.0922e-03	6e-01	2e-01	2e-16	3e-02
2:	4.8800e-02	4.8021e-02	1e-01	4e-02	2e-16	6e-03
3:	4.8101e-02	4.7877e-02	1e-02	4e-03	7e-16	3e-04
4:	4.8481e-02	4.8479e-02	1e-04	4e-05	2e-16	3e-06
5:	4.8485e-02	4.8485e-02	1e-06	4e-07	3e-16	3e-08
6:	4.8485e-02	4.8485e-02	1e-08	4e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	6.8359e-04	6.8338e-04	4e-01	1e-01	3e-16	2e-02
2:	3.2979e-02	3.2782e-02	6e-02	2e-02	3e-16	3e-03
3:	4.5451e-02	4.5324e-02	1e-02	5e-03	4e-15	6e-04
4:	4.5233e-02	4.5167e-02	4e-03	1e-03	1e-14	1e-04
5:	4.5449e-02	4.5448e-02	4e-05	1e-05	2e-15	1e-06
6:	4.5451e-02	4.5451e-02	4e-07	1e-07	1e-15	1e-08
7:	4.5451e-02	4.5451e-02	4e-09	1e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	1.6004e-03	1.5994e-03	5e-01	1e-01	2e-16	2e-02
2:	6.0555e-02	6.0119e-02	6e-02	2e-02	5e-16	2e-03
3:	6.2691e-02	6.2511e-02	1e-02	3e-03	3e-15	3e-04
4:	6.4248e-02	6.4229e-02	1e-03	3e-04	3e-15	3e-05
5:	6.4245e-02	6.4244e-02	3e-05	9e-06	4e-14	8e-07
6:	6.4246e-02	6.4246e-02	3e-07	9e-08	1e-14	8e-09
7:	6.4246e-02	6.4246e-02	3e-09	9e-10	2e-14	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3007e-01	1.2966e-01	2e+00	7e-01	2e-16	1e-01
2:	6.2685e-01	6.2454e-01	9e-01	3e-01	3e-16	4e-02
3:	5.9225e-01	5.8715e-01	3e-01	9e-02	6e-16	8e-03
4:	6.2921e-01	6.2912e-01	5e-03	2e-03	3e-16	1e-04

5:	6.2954e-01	6.2954e-01	5e-05	2e-05	5e-16	1e-06
6:	6.2954e-01	6.2954e-01	5e-07	2e-07	3e-16	1e-08
7:	6.2954e-01	6.2954e-01	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.2130e-01	2.2033e-01	3e+00	1e+00	2e-16	1e-01
2:	7.6429e-01	7.6179e-01	1e+00	3e-01	1e-15	4e-02
3:	7.4851e-01	7.4512e-01	3e-01	9e-02	2e-15	9e-03
4:	7.6708e-01	7.6704e-01	4e-03	1e-03	4e-16	1e-04
5:	7.6726e-01	7.6725e-01	4e-05	1e-05	4e-16	1e-06
6:	7.6726e-01	7.6726e-01	4e-07	1e-07	3e-16	1e-08
7:	7.6726e-01	7.6726e-01	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5532e-01	2.5460e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9502e-01	9.9255e-01	1e+00	3e-01	7e-16	4e-02
3:	9.4055e-01	9.3461e-01	6e-01	2e-01	3e-15	2e-02
4:	9.9948e-01	9.9935e-01	1e-02	4e-03	4e-16	4e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	1e-15	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.4900e-02	1.4853e-02	1e+00	4e-01	2e-16	5e-02
2:	1.5744e-01	1.5600e-01	4e-01	1e-01	2e-16	2e-02
3:	1.5371e-01	1.5240e-01	6e-02	2e-02	1e-15	2e-03
4:	1.5739e-01	1.5737e-01	7e-04	2e-04	3e-16	2e-05
5:	1.5742e-01	1.5742e-01	7e-06	2e-06	3e-16	2e-07
6:	1.5742e-01	1.5742e-01	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.4345e-02	4.4262e-02	1e+00	4e-01	2e-16	6e-02
2:	3.8260e-01	3.8089e-01	4e-01	1e-01	3e-16	2e-02
3:	3.7044e-01	3.6822e-01	1e-01	4e-02	7e-16	3e-03
4:	3.8420e-01	3.8413e-01	4e-03	1e-03	6e-16	1e-04
5:	3.8429e-01	3.8429e-01	5e-05	2e-05	3e-14	1e-06
6:	3.8429e-01	3.8429e-01	5e-07	2e-07	1e-14	1e-08
7:	3.8429e-01	3.8429e-01	5e-09	2e-09	2e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.8694e-01	1.8652e-01	2e+00	7e-01	2e-16	1e-01
2:	9.0041e-01	8.9808e-01	7e-01	2e-01	7e-16	3e-02
3:	8.7079e-01	8.6704e-01	4e-01	1e-01	5e-15	2e-02



4:	9.0500e-01	9.0488e-01	1e-02	4e-03	1e-15	4e-04
5:	9.0526e-01	9.0526e-01	1e-04	4e-05	1e-15	4e-06
6:	9.0526e-01	9.0526e-01	1e-06	4e-07	2e-15	4e-08
7:	9.0526e-01	9.0526e-01	1e-08	4e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.8151e-02	1.8117e-02	1e+00	3e-01	2e-16	5e-02
2:	2.1405e-01	2.1271e-01	4e-01	1e-01	3e-16	2e-02
3:	2.0720e-01	2.0535e-01	2e-01	5e-02	7e-16	6e-03
4:	2.1452e-01	2.1449e-01	3e-03	8e-04	4e-16	9e-05
5:	2.1468e-01	2.1468e-01	3e-05	8e-06	5e-16	9e-07
6:	2.1468e-01	2.1468e-01	3e-07	8e-08	3e-16	9e-09
7:	2.1468e-01	2.1468e-01	3e-09	8e-10	7e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.8650e-02	7.8432e-02	2e+00	6e-01	2e-16	8e-02
2:	4.8148e-01	4.7943e-01	7e-01	2e-01	3e-16	3e-02
3:	4.5377e-01	4.4938e-01	3e-01	9e-02	1e-15	9e-03
4:	4.8324e-01	4.8314e-01	7e-03	2e-03	8e-16	2e-04
5:	4.8348e-01	4.8348e-01	7e-05	2e-05	2e-16	2e-06
6:	4.8348e-01	4.8348e-01	7e-07	2e-07	5e-16	2e-08
7:	4.8348e-01	4.8348e-01	7e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	8.1150e-05	8.1128e-05	3e-01	9e-02	2e-16	1e-02
2:	5.1494e-03	5.0995e-03	4e-02	1e-02	2e-16	2e-03
3:	1.1473e-02	1.1434e-02	1e-02	3e-03	2e-15	4e-04
4:	1.1454e-02	1.1432e-02	2e-03	5e-04	5e-15	6e-05
5:	1.1497e-02	1.1497e-02	2e-05	5e-06	4e-16	6e-07
6:	1.1498e-02	1.1498e-02	2e-07	5e-08	5e-16	6e-09
7:	1.1498e-02	1.1498e-02	2e-09	5e-10	1e-15	6e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.1283e-02	4.1222e-02	1e+00	4e-01	2e-16	6e-02
2:	3.9637e-01	3.9476e-01	4e-01	1e-01	6e-16	2e-02
3:	3.7925e-01	3.7677e-01	2e-01	6e-02	3e-15	6e-03
4:	3.9819e-01	3.9812e-01	5e-03	2e-03	4e-16	2e-04
5:	3.9833e-01	3.9833e-01	6e-05	2e-05	6e-15	2e-06
6:	3.9833e-01	3.9833e-01	6e-07	2e-07	1e-14	2e-08
7:	3.9833e-01	3.9833e-01	6e-09	2e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.9850e-02	1.9782e-02	1e+00	4e-01	2e-16	6e-02

2:	1.8407e-01	1.8247e-01	5e-01	1e-01	2e-16	2e-02
3:	1.7972e-01	1.7825e-01	7e-02	2e-02	6e-16	2e-03
4:	1.8407e-01	1.8405e-01	8e-04	2e-04	2e-16	2e-05
5:	1.8411e-01	1.8411e-01	8e-06	2e-06	3e-16	2e-07
6:	1.8411e-01	1.8411e-01	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.1112e-02	7.0704e-02	2e+00	7e-01	2e-16	1e-01
2:	3.4576e-01	3.4344e-01	9e-01	3e-01	3e-16	4e-02
3:	3.4263e-01	3.4127e-01	7e-02	2e-02	8e-16	2e-03
4:	3.4616e-01	3.4615e-01	8e-04	2e-04	2e-16	2e-05
5:	3.4620e-01	3.4620e-01	8e-06	2e-06	3e-16	2e-07
6:	3.4620e-01	3.4620e-01	8e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	3.6641e-02	3.6591e-02	1e+00	4e-01	2e-16	6e-02
2:	3.7745e-01	3.7592e-01	4e-01	1e-01	4e-16	2e-02
3:	3.5524e-01	3.5272e-01	3e-01	8e-02	3e-15	1e-02
4:	3.7923e-01	3.7909e-01	1e-02	4e-03	3e-16	5e-04
5:	3.7935e-01	3.7935e-01	1e-04	4e-05	1e-15	5e-06
6:	3.7935e-01	3.7935e-01	1e-06	4e-07	1e-15	5e-08
7:	3.7935e-01	3.7935e-01	1e-08	4e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3781e-02	1.3739e-02	1e+00	4e-01	2e-16	5e-02
2:	1.5193e-01	1.5051e-01	4e-01	1e-01	3e-16	2e-02
3:	1.4805e-01	1.4677e-01	6e-02	2e-02	1e-15	1e-03
4:	1.5186e-01	1.5184e-01	7e-04	2e-04	4e-16	2e-05
5:	1.5189e-01	1.5189e-01	7e-06	2e-06	3e-16	2e-07
6:	1.5189e-01	1.5189e-01	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.3914e-02	2.3834e-02	1e+00	4e-01	2e-16	6e-02
2:	2.0945e-01	2.0782e-01	5e-01	2e-01	3e-16	2e-02
3:	2.0384e-01	2.0199e-01	9e-02	3e-02	7e-16	2e-03
4:	2.0963e-01	2.0961e-01	1e-03	3e-04	4e-16	3e-05
5:	2.0968e-01	2.0968e-01	1e-05	3e-06	3e-16	3e-07
6:	2.0968e-01	2.0968e-01	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.0607e-02	9.0366e-02	2e+00	6e-01	2e-16	9e-02
2:	5.3454e-01	5.3240e-01	7e-01	2e-01	5e-16	3e-02
3:	5.2587e-01	5.2389e-01	1e-01	3e-02	2e-15	3e-03

4:	5.3682e-01	5.3674e-01	4e-03	1e-03	4e-16	1e-04
5:	5.3686e-01	5.3686e-01	1e-04	4e-05	4e-14	3e-06
6:	5.3687e-01	5.3687e-01	1e-06	4e-07	4e-14	3e-08
7:	5.3687e-01	5.3687e-01	1e-08	4e-09	3e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7511e-01	3.7333e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9627e-01	9.9373e-01	1e+00	5e-01	3e-16	5e-02
3:	9.8685e-01	9.8437e-01	2e-01	6e-02	2e-15	5e-03
4:	9.9987e-01	9.9984e-01	2e-03	6e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2988e-02	1.2973e-02	8e-01	3e-01	2e-16	4e-02
2:	2.0655e-01	2.0546e-01	2e-01	7e-02	4e-16	9e-03
3:	1.9679e-01	1.9531e-01	9e-02	3e-02	1e-15	3e-03
4:	2.0732e-01	2.0728e-01	2e-03	6e-04	2e-16	6e-05
5:	2.0740e-01	2.0740e-01	2e-05	6e-06	2e-15	6e-07
6:	2.0740e-01	2.0740e-01	2e-07	6e-08	5e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8553e-01	3.8365e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9634e-01	9.9384e-01	1e+00	5e-01	1e-15	5e-02
3:	9.8872e-01	9.8654e-01	2e-01	5e-02	3e-15	4e-03
4:	9.9989e-01	9.9987e-01	2e-03	5e-04	2e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	4.0387e-03	4.0317e-03	7e-01	2e-01	2e-16	3e-02
2:	8.2228e-02	8.1400e-02	2e-01	7e-02	3e-16	9e-03
3:	7.9463e-02	7.8592e-02	4e-02	1e-02	5e-16	1e-03
4:	8.2157e-02	8.2146e-02	5e-04	2e-04	3e-16	1e-05
5:	8.2182e-02	8.2182e-02	5e-06	2e-06	3e-16	1e-07
6:	8.2182e-02	8.2182e-02	5e-08	2e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	8.0890e-03	8.0743e-03	8e-01	3e-01	2e-16	4e-02
2:	1.2750e-01	1.2643e-01	3e-01	8e-02	2e-16	1e-02
3:	1.2233e-01	1.2098e-01	9e-02	3e-02	9e-16	3e-03
4:	1.2758e-01	1.2756e-01	1e-03	4e-04	4e-16	4e-05
5:	1.2763e-01	1.2763e-01	1e-05	4e-06	4e-16	4e-07

6:	1.2763e-01	1.2763e-01	1e-07	4e-08	2e-16	4e-09
7:	1.2763e-01	1.2763e-01	1e-09	4e-10	4e-16	4e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3258e-01	1.3221e-01	2e+00	7e-01	2e-16	1e-01
2:	6.6766e-01	6.6537e-01	7e-01	2e-01	3e-16	3e-02
3:	6.5017e-01	6.4686e-01	3e-01	8e-02	2e-15	8e-03
4:	6.7056e-01	6.7051e-01	4e-03	1e-03	4e-16	1e-04
5:	6.7075e-01	6.7075e-01	4e-05	1e-05	1e-15	1e-06
6:	6.7075e-01	6.7075e-01	4e-07	1e-07	1e-15	1e-08
7:	6.7075e-01	6.7075e-01	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0413e-01	1.0368e-01	2e+00	7e-01	2e-16	1e-01
2:	4.8585e-01	4.8351e-01	9e-01	3e-01	4e-16	4e-02
3:	4.7369e-01	4.7054e-01	2e-01	5e-02	6e-16	4e-03
4:	4.8722e-01	4.8718e-01	2e-03	7e-04	3e-16	5e-05
5:	4.8735e-01	4.8734e-01	2e-05	7e-06	3e-16	5e-07
6:	4.8735e-01	4.8735e-01	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.6617e-02	5.6493e-02	2e+00	5e-01	2e-16	7e-02
2:	4.2390e-01	4.2204e-01	5e-01	2e-01	3e-16	2e-02
3:	4.1668e-01	4.1420e-01	4e-01	1e-01	8e-16	2e-02
4:	4.2935e-01	4.2883e-01	7e-02	2e-02	6e-16	2e-03
5:	4.3684e-01	4.3667e-01	2e-02	5e-03	4e-16	6e-04
6:	4.3746e-01	4.3744e-01	1e-03	4e-04	4e-15	4e-05
7:	4.3754e-01	4.3754e-01	1e-05	4e-06	9e-16	4e-07
8:	4.3754e-01	4.3754e-01	1e-07	4e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.6162e-02	2.6115e-02	1e+00	4e-01	2e-16	5e-02
2:	2.8563e-01	2.8415e-01	4e-01	1e-01	3e-16	2e-02
3:	3.1677e-01	3.1594e-01	2e-01	5e-02	4e-16	7e-03
4:	3.1515e-01	3.1457e-01	3e-02	8e-03	2e-15	7e-04
5:	3.1723e-01	3.1722e-01	3e-04	9e-05	1e-15	7e-06
6:	3.1725e-01	3.1725e-01	3e-06	9e-07	7e-16	7e-08
7:	3.1725e-01	3.1725e-01	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.7234e-02	5.6948e-02	2e+00	6e-01	1e-16	9e-02
2:	3.3434e-01	3.3212e-01	6e-01	2e-01	3e-16	3e-02
3:	3.8306e-01	3.8228e-01	2e-01	6e-02	6e-16	8e-03

4:	3.8154e-01	3.8104e-01	3e-02	8e-03	1e-15	7e-04
5:	3.8345e-01	3.8344e-01	3e-04	9e-05	4e-16	7e-06
6:	3.8347e-01	3.8347e-01	3e-06	9e-07	7e-16	7e-08
7:	3.8347e-01	3.8347e-01	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.9865e-02	1.9814e-02	1e+00	4e-01	2e-16	6e-02
2:	2.0947e-01	2.0797e-01	4e-01	1e-01	3e-16	2e-02
3:	2.1969e-01	2.1917e-01	3e-02	9e-03	5e-16	8e-04
4:	2.2030e-01	2.2029e-01	3e-04	9e-05	3e-16	8e-06
5:	2.2030e-01	2.2030e-01	3e-06	9e-07	3e-16	8e-08
6:	2.2030e-01	2.2030e-01	3e-08	9e-09	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.1742e-01	1.1709e-01	2e+00	7e-01	1e-16	9e-02
2:	6.1365e-01	6.1139e-01	7e-01	2e-01	4e-16	3e-02
3:	5.8938e-01	5.8544e-01	4e-01	1e-01	3e-15	1e-02
4:	6.2116e-01	6.2078e-01	4e-02	1e-02	4e-16	1e-03
5:	6.2408e-01	6.2408e-01	4e-04	1e-04	6e-16	1e-05
6:	6.2412e-01	6.2412e-01	4e-06	1e-06	4e-16	1e-07
7:	6.2412e-01	6.2412e-01	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.1739e-01	1.1691e-01	2e+00	8e-01	1e-16	1e-01
2:	5.3864e-01	5.3627e-01	8e-01	2e-01	5e-16	3e-02
3:	5.4132e-01	5.3881e-01	2e-01	8e-02	1e-15	8e-03
4:	5.5588e-01	5.5580e-01	6e-03	2e-03	5e-16	2e-04
5:	5.5623e-01	5.5623e-01	6e-05	2e-05	5e-16	2e-06
6:	5.5623e-01	5.5623e-01	6e-07	2e-07	6e-16	2e-08
7:	5.5623e-01	5.5623e-01	6e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2784e-02	1.2726e-02	1e+00	4e-01	2e-16	6e-02
2:	1.2817e-01	1.2663e-01	4e-01	1e-01	3e-16	2e-02
3:	1.5050e-01	1.5006e-01	6e-02	2e-02	4e-16	3e-03
4:	1.6029e-01	1.6016e-01	1e-02	4e-03	2e-15	4e-04
5:	1.6031e-01	1.6027e-01	2e-03	7e-04	8e-15	7e-05
6:	1.6044e-01	1.6044e-01	2e-05	7e-06	9e-16	7e-07
7:	1.6044e-01	1.6044e-01	2e-07	7e-08	1e-15	7e-09
8:	1.6044e-01	1.6044e-01	2e-09	7e-10	9e-16	7e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7621e-01	3.7442e-01	4e+00	1e+00	2e-16	1e-01

2:	9.9631e-01	9.9374e-01	2e+00	5e-01	2e-15	6e-02
3:	9.8750e-01	9.8507e-01	2e-01	6e-02	2e-15	5e-03
4:	9.9988e-01	9.9985e-01	2e-03	6e-04	2e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.9644e-02	9.9459e-02	2e+00	6e-01	2e-16	8e-02
2:	6.4244e-01	6.4036e-01	5e-01	2e-01	6e-16	2e-02
3:	6.4131e-01	6.3958e-01	1e-01	3e-02	7e-16	3e-03
4:	6.5101e-01	6.5084e-01	1e-02	3e-03	5e-15	3e-04
5:	6.5115e-01	6.5113e-01	1e-03	4e-04	2e-14	4e-05
6:	6.5129e-01	6.5129e-01	2e-05	7e-06	5e-16	6e-07
7:	6.5129e-01	6.5129e-01	2e-07	7e-08	4e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.1462e-01	1.1426e-01	2e+00	7e-01	2e-16	1e-01
2:	6.2672e-01	6.2455e-01	7e-01	2e-01	3e-16	3e-02
3:	5.8079e-01	5.7577e-01	3e-01	1e-01	3e-15	9e-03
4:	6.3139e-01	6.3120e-01	1e-02	4e-03	4e-16	3e-04
5:	6.3263e-01	6.3263e-01	1e-04	4e-05	4e-16	3e-06
6:	6.3264e-01	6.3264e-01	1e-06	4e-07	4e-16	3e-08
7:	6.3264e-01	6.3264e-01	1e-08	4e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	6.8369e-02	6.8185e-02	2e+00	5e-01	2e-16	8e-02
2:	4.3863e-01	4.3660e-01	6e-01	2e-01	3e-16	3e-02
3:	4.3514e-01	4.3229e-01	3e-01	1e-01	7e-16	1e-02
4:	4.5417e-01	4.5395e-01	2e-02	7e-03	5e-16	8e-04
5:	4.5518e-01	4.5518e-01	2e-04	7e-05	6e-16	8e-06
6:	4.5519e-01	4.5519e-01	2e-06	7e-07	8e-16	8e-08
7:	4.5519e-01	4.5519e-01	2e-08	7e-09	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	3.0910e-03	3.0848e-03	7e-01	2e-01	2e-16	3e-02
2:	6.6731e-02	6.5913e-02	2e-01	6e-02	2e-16	8e-03
3:	8.3559e-02	8.3178e-02	5e-02	1e-02	3e-16	2e-03
4:	8.2977e-02	8.2751e-02	1e-02	3e-03	6e-16	2e-04
5:	8.4010e-02	8.4007e-02	1e-04	4e-05	3e-16	3e-06
6:	8.4021e-02	8.4021e-02	1e-06	4e-07	3e-16	3e-08
7:	8.4021e-02	8.4021e-02	1e-08	4e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00

1:	5.4031e-02	5.3869e-02	2e+00	5e-01	2e-16	8e-02
2:	3.6808e-01	3.6618e-01	7e-01	2e-01	4e-16	3e-02
3:	3.4957e-01	3.4578e-01	2e-01	6e-02	8e-16	5e-03
4:	3.6886e-01	3.6873e-01	7e-03	2e-03	3e-16	2e-04
5:	3.6979e-01	3.6974e-01	3e-03	8e-04	2e-16	6e-05
6:	3.6981e-01	3.6977e-01	2e-03	6e-04	1e-15	5e-05
7:	3.6997e-01	3.6997e-01	4e-05	1e-05	8e-16	9e-07
8:	3.6998e-01	3.6998e-01	4e-07	1e-07	4e-16	1e-08
9:	3.6998e-01	3.6998e-01	4e-09	1e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.4993e-01	2.4907e-01	3e+00	9e-01	2e-16	1e-01
2:	9.2746e-01	9.2500e-01	9e-01	3e-01	5e-16	4e-02
3:	9.5438e-01	9.5269e-01	2e-01	5e-02	2e-15	5e-03
4:	9.6103e-01	9.6099e-01	3e-03	1e-03	3e-15	1e-04
5:	9.6108e-01	9.6108e-01	3e-05	1e-05	2e-15	1e-06
6:	9.6108e-01	9.6108e-01	3e-07	1e-07	3e-15	1e-08

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	3.9674e-02	3.9547e-02	2e+00	5e-01	3e-16	7e-02
2:	2.9598e-01	2.9412e-01	5e-01	2e-01	4e-16	2e-02
3:	2.8406e-01	2.8141e-01	1e-01	4e-02	1e-15	4e-03
4:	2.9578e-01	2.9554e-01	1e-02	4e-03	3e-16	3e-04
5:	2.9765e-01	2.9759e-01	3e-03	9e-04	7e-16	8e-05
6:	2.9783e-01	2.9782e-01	3e-04	8e-05	1e-15	7e-06
7:	2.9784e-01	2.9784e-01	3e-06	1e-06	5e-16	8e-08
8:	2.9784e-01	2.9784e-01	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.6891e-01	1.6783e-01	3e+00	1e+00	2e-16	1e-01
2:	6.0160e-01	5.9901e-01	1e+00	4e-01	6e-16	5e-02
3:	7.2356e-01	7.2270e-01	3e-01	9e-02	5e-16	1e-02
4:	7.1849e-01	7.1747e-01	1e-01	3e-02	2e-15	3e-03
5:	7.2571e-01	7.2570e-01	1e-03	4e-04	6e-16	4e-05
6:	7.2579e-01	7.2579e-01	1e-05	4e-06	7e-16	4e-07
7:	7.2579e-01	7.2579e-01	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	6.8675e-03	6.8609e-03	7e-01	2e-01	2e-16	3e-02
2:	1.4395e-01	1.4309e-01	2e-01	5e-02	2e-16	7e-03
3:	1.4324e-01	1.4227e-01	1e-01	4e-02	6e-16	5e-03
4:	1.4926e-01	1.4909e-01	1e-02	5e-03	5e-16	6e-04
5:	1.4973e-01	1.4973e-01	2e-04	6e-05	8e-16	7e-06
6:	1.4974e-01	1.4974e-01	2e-06	6e-07	5e-16	7e-08

```

7: 1.4974e-01 1.4974e-01 2e-08 6e-09 1e-15 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 5.5010e-02 5.4736e-02 2e+00 6e-01 2e-16 9e-02
2: 3.1384e-01 3.1170e-01 8e-01 2e-01 3e-16 3e-02
3: 3.4161e-01 3.4023e-01 2e-01 5e-02 4e-16 6e-03
4: 3.7457e-01 3.7417e-01 4e-02 1e-02 3e-16 2e-03
5: 3.7486e-01 3.7474e-01 6e-03 2e-03 2e-15 1e-04
6: 3.7558e-01 3.7557e-01 2e-04 7e-05 3e-15 6e-06
7: 3.7558e-01 3.7558e-01 7e-06 2e-06 5e-13 2e-07
8: 3.7558e-01 3.7558e-01 7e-08 2e-08 1e-13 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 2.6953e-02 2.6842e-02 1e+00 5e-01 2e-16 7e-02
2: 2.1099e-01 2.0921e-01 6e-01 2e-01 2e-16 2e-02
3: 2.0739e-01 2.0596e-01 7e-02 2e-02 6e-16 2e-03
4: 2.1134e-01 2.1116e-01 9e-03 3e-03 4e-16 2e-04
5: 2.1337e-01 2.1331e-01 3e-03 9e-04 4e-16 7e-05
6: 2.1341e-01 2.1339e-01 1e-03 3e-04 4e-15 3e-05
7: 2.1351e-01 2.1351e-01 2e-05 5e-06 9e-16 4e-07
8: 2.1352e-01 2.1352e-01 2e-07 5e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 4.8750e-02 4.8609e-02 2e+00 5e-01 3e-16 7e-02
2: 3.4734e-01 3.4550e-01 7e-01 2e-01 4e-16 3e-02
3: 3.4262e-01 3.3946e-01 2e-01 6e-02 1e-15 5e-03
4: 3.6152e-01 3.6130e-01 1e-02 4e-03 6e-16 3e-04
5: 3.6231e-01 3.6231e-01 1e-04 4e-05 4e-16 3e-06
6: 3.6232e-01 3.6232e-01 1e-06 4e-07 3e-16 3e-08
7: 3.6232e-01 3.6232e-01 1e-08 4e-09 3e-16 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 2.7470e-01 2.7351e-01 3e+00 1e+00 2e-16 1e-01
2: 8.7496e-01 8.7240e-01 1e+00 4e-01 8e-16 5e-02
3: 8.9356e-01 8.9045e-01 3e-01 8e-02 1e-15 7e-03
4: 9.1936e-01 9.1928e-01 7e-03 2e-03 5e-16 2e-04
5: 9.1959e-01 9.1959e-01 7e-05 2e-05 2e-15 2e-06
6: 9.1959e-01 9.1959e-01 7e-07 2e-07 2e-15 2e-08
7: 9.1959e-01 9.1959e-01 7e-09 2e-09 1e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 8.7588e-02 8.7325e-02 2e+00 6e-01 2e-16 9e-02
2: 5.2103e-01 5.1885e-01 7e-01 2e-01 4e-16 3e-02

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3:	5.5625e-01	5.5515e-01	2e-01	6e-02	8e-16	8e-03
4:	5.5741e-01	5.5732e-01	5e-03	2e-03	1e-15	1e-04
5:	5.5775e-01	5.5775e-01	5e-05	2e-05	4e-16	1e-06
6:	5.5775e-01	5.5775e-01	5e-07	2e-07	5e-16	1e-08
7:	5.5775e-01	5.5775e-01	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.7895e-02	9.7442e-02	2e+00	7e-01	2e-16	1e-01
2:	4.6281e-01	4.6045e-01	9e-01	3e-01	5e-16	4e-02
3:	4.7339e-01	4.7063e-01	3e-01	1e-01	1e-15	1e-02
4:	5.1771e-01	5.1709e-01	7e-02	2e-02	6e-16	2e-03
5:	5.1557e-01	5.1510e-01	3e-02	9e-03	2e-15	8e-04
6:	5.2004e-01	5.2003e-01	7e-04	2e-04	4e-16	2e-05
7:	5.2009e-01	5.2009e-01	7e-06	2e-06	7e-16	2e-07
8:	5.2009e-01	5.2009e-01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5837e-02	2.5762e-02	1e+00	4e-01	2e-16	6e-02
2:	2.4941e-01	2.4772e-01	4e-01	1e-01	3e-16	2e-02
3:	2.5818e-01	2.5742e-01	4e-02	1e-02	7e-16	1e-03
4:	2.6185e-01	2.6184e-01	5e-04	2e-04	3e-16	2e-05
5:	2.6189e-01	2.6189e-01	5e-06	2e-06	6e-16	2e-07
6:	2.6189e-01	2.6189e-01	5e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3705e-01	1.3655e-01	2e+00	8e-01	2e-16	1e-01
2:	6.2006e-01	6.1769e-01	1e+00	3e-01	5e-16	4e-02
3:	6.2540e-01	6.2122e-01	3e-01	9e-02	1e-15	8e-03
4:	6.6659e-01	6.6551e-01	7e-02	2e-02	6e-16	2e-03
5:	6.7190e-01	6.7177e-01	8e-03	2e-03	2e-15	2e-04
6:	6.7244e-01	6.7244e-01	1e-04	4e-05	2e-15	3e-06
7:	6.7245e-01	6.7245e-01	1e-06	4e-07	8e-15	3e-08
8:	6.7245e-01	6.7245e-01	1e-08	4e-09	5e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.3359e-02	4.3235e-02	2e+00	5e-01	3e-16	7e-02
2:	3.3144e-01	3.2961e-01	6e-01	2e-01	3e-16	2e-02
3:	3.8046e-01	3.7933e-01	2e-01	5e-02	9e-16	7e-03
4:	3.7971e-01	3.7908e-01	3e-02	1e-02	1e-15	9e-04
5:	3.8248e-01	3.8247e-01	4e-04	1e-04	6e-16	1e-05
6:	3.8250e-01	3.8250e-01	4e-06	1e-06	8e-16	1e-07
7:	3.8250e-01	3.8250e-01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1456e-01	3.1335e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9562e-01	9.9313e-01	1e+00	4e-01	4e-16	4e-02
3:	9.6602e-01	9.6166e-01	4e-01	1e-01	5e-15	1e-02
4:	9.9968e-01	9.9962e-01	5e-03	2e-03	4e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	7e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.7736e-02	2.7647e-02	1e+00	4e-01	2e-16	7e-02
2:	2.3830e-01	2.3663e-01	5e-01	2e-01	4e-16	2e-02
3:	2.7353e-01	2.7214e-01	1e-01	4e-02	3e-16	5e-03
4:	2.7449e-01	2.7404e-01	2e-02	7e-03	1e-15	5e-04
5:	2.7621e-01	2.7620e-01	2e-04	8e-05	4e-16	6e-06
6:	2.7623e-01	2.7623e-01	2e-06	8e-07	2e-16	6e-08
7:	2.7623e-01	2.7623e-01	2e-08	8e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	8.2777e-04	8.2761e-04	3e-01	1e-01	2e-16	2e-02
2:	4.0810e-02	4.0641e-02	6e-02	2e-02	2e-16	3e-03
3:	6.1592e-02	6.1518e-02	2e-02	5e-03	1e-15	8e-04
4:	6.2347e-02	6.2282e-02	3e-03	1e-03	1e-14	1e-04
5:	6.2827e-02	6.2825e-02	7e-05	2e-05	2e-15	2e-06
6:	6.2838e-02	6.2838e-02	7e-07	2e-07	2e-15	2e-08
7:	6.2838e-02	6.2838e-02	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3430e-02	1.3400e-02	1e+00	3e-01	2e-16	5e-02
2:	1.6569e-01	1.6440e-01	3e-01	1e-01	3e-16	1e-02
3:	1.6452e-01	1.6324e-01	7e-02	2e-02	5e-16	2e-03
4:	1.6969e-01	1.6950e-01	9e-03	3e-03	3e-15	2e-04
5:	1.7054e-01	1.7054e-01	1e-04	3e-05	7e-16	3e-06
6:	1.7055e-01	1.7055e-01	1e-06	3e-07	6e-16	3e-08
7:	1.7055e-01	1.7055e-01	1e-08	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.6510e-01	1.6463e-01	2e+00	7e-01	2e-16	1e-01
2:	8.0631e-01	8.0394e-01	8e-01	3e-01	4e-16	3e-02
3:	9.0350e-01	9.0119e-01	3e-01	9e-02	6e-16	1e-02
4:	8.9992e-01	8.9831e-01	1e-01	3e-02	2e-15	3e-03
5:	9.1057e-01	9.1055e-01	2e-03	5e-04	9e-16	4e-05
6:	9.1069e-01	9.1069e-01	2e-05	5e-06	1e-15	4e-07
7:	9.1069e-01	9.1069e-01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.5023e-02	5.4895e-02	2e+00	5e-01	2e-16	7e-02
2:	3.9894e-01	3.9710e-01	6e-01	2e-01	3e-16	2e-02
3:	4.1504e-01	4.1228e-01	2e-01	5e-02	7e-16	5e-03
4:	4.2985e-01	4.2948e-01	2e-02	7e-03	5e-16	6e-04
5:	4.3118e-01	4.3117e-01	4e-04	1e-04	3e-15	1e-05
6:	4.3120e-01	4.3120e-01	4e-06	1e-06	2e-15	1e-07
7:	4.3120e-01	4.3120e-01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.2131e-02	4.1982e-02	2e+00	5e-01	2e-16	8e-02
2:	2.9621e-01	2.9431e-01	6e-01	2e-01	4e-16	3e-02
3:	2.9200e-01	2.8960e-01	1e-01	4e-02	1e-15	4e-03
4:	3.0459e-01	3.0450e-01	5e-03	2e-03	2e-16	1e-04
5:	3.0496e-01	3.0496e-01	5e-05	2e-05	3e-16	1e-06
6:	3.0496e-01	3.0496e-01	5e-07	2e-07	3e-16	1e-08
7:	3.0496e-01	3.0496e-01	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.2600e-02	5.2505e-02	1e+00	4e-01	3e-16	7e-02
2:	4.2979e-01	4.2805e-01	5e-01	2e-01	4e-16	2e-02
3:	4.3421e-01	4.3192e-01	1e-01	3e-02	1e-15	3e-03
4:	4.4413e-01	4.4382e-01	2e-02	5e-03	4e-15	4e-04
5:	4.4595e-01	4.4595e-01	2e-04	7e-05	4e-16	5e-06
6:	4.4597e-01	4.4597e-01	2e-06	7e-07	1e-15	5e-08
7:	4.4597e-01	4.4597e-01	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.2818e-02	5.2716e-02	1e+00	5e-01	2e-16	7e-02
2:	4.3665e-01	4.3484e-01	5e-01	1e-01	3e-16	2e-02
3:	4.3739e-01	4.3492e-01	2e-01	5e-02	1e-15	5e-03
4:	4.5484e-01	4.5476e-01	6e-03	2e-03	6e-16	2e-04
5:	4.5496e-01	4.5496e-01	6e-05	2e-05	3e-15	2e-06
6:	4.5496e-01	4.5496e-01	6e-07	2e-07	2e-15	2e-08
7:	4.5496e-01	4.5496e-01	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5085e-01	2.5008e-01	3e+00	9e-01	2e-16	1e-01
2:	9.5483e-01	9.5238e-01	8e-01	3e-01	6e-16	3e-02
3:	1.0009e+00	9.9952e-01	2e-01	6e-02	7e-16	7e-03
4:	9.9691e-01	9.9600e-01	7e-02	2e-02	2e-14	2e-03
5:	9.9996e-01	9.9994e-01	1e-03	3e-04	2e-15	3e-05

6:	1.0000e+00	1.0000e+00	1e-05	3e-06	6e-15	3e-07
7:	1.0000e+00	1.0000e+00	1e-07	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7122e-02	1.7094e-02	1e+00	3e-01	2e-16	5e-02
2:	2.1503e-01	2.1371e-01	3e-01	9e-02	5e-16	1e-02
3:	2.0840e-01	2.0691e-01	9e-02	3e-02	1e-15	3e-03
4:	2.1557e-01	2.1549e-01	4e-03	1e-03	3e-16	1e-04
5:	2.1603e-01	2.1603e-01	5e-05	1e-05	1e-15	1e-06
6:	2.1603e-01	2.1603e-01	5e-07	1e-07	7e-16	1e-08
7:	2.1603e-01	2.1603e-01	5e-09	1e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.6919e-01	1.6879e-01	2e+00	7e-01	3e-16	1e-01
2:	8.3022e-01	8.2791e-01	7e-01	2e-01	4e-16	3e-02
3:	8.0067e-01	7.9674e-01	5e-01	2e-01	3e-15	2e-02
4:	8.3589e-01	8.3525e-01	8e-02	2e-02	1e-15	3e-03
5:	8.4539e-01	8.4532e-01	5e-03	2e-03	5e-16	2e-04
6:	8.4571e-01	8.4571e-01	5e-05	2e-05	1e-15	2e-06
7:	8.4572e-01	8.4572e-01	5e-07	2e-07	4e-16	2e-08
8:	8.4572e-01	8.4572e-01	5e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.2163e-02	7.1953e-02	2e+00	6e-01	2e-16	8e-02
2:	4.7988e-01	4.7781e-01	5e-01	2e-01	4e-16	2e-02
3:	4.6815e-01	4.6528e-01	3e-01	9e-02	1e-15	1e-02
4:	4.9025e-01	4.9003e-01	1e-02	5e-03	3e-16	4e-04
5:	4.9113e-01	4.9113e-01	2e-04	5e-05	1e-15	5e-06
6:	4.9114e-01	4.9114e-01	2e-06	5e-07	2e-15	5e-08
7:	4.9114e-01	4.9114e-01	2e-08	5e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.7658e-01	1.7567e-01	3e+00	9e-01	2e-16	1e-01
2:	6.2880e-01	6.2624e-01	1e+00	4e-01	5e-16	5e-02
3:	6.6249e-01	6.6047e-01	2e-01	6e-02	1e-15	6e-03
4:	6.7927e-01	6.7900e-01	2e-02	6e-03	7e-16	5e-04
5:	6.8271e-01	6.8271e-01	2e-04	6e-05	3e-16	6e-06
6:	6.8274e-01	6.8274e-01	2e-06	6e-07	4e-16	6e-08
7:	6.8274e-01	6.8274e-01	2e-08	6e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.8095e-02	7.7747e-02	2e+00	7e-01	2e-16	1e-01
2:	4.3952e-01	4.3723e-01	7e-01	2e-01	3e-16	3e-02

3:	4.8770e-01	4.8668e-01	2e-01	7e-02	5e-16	9e-03
4:	4.8775e-01	4.8744e-01	2e-02	5e-03	9e-16	4e-04
5:	4.8887e-01	4.8887e-01	2e-04	5e-05	4e-16	4e-06
6:	4.8888e-01	4.8888e-01	2e-06	5e-07	5e-16	4e-08
7:	4.8888e-01	4.8888e-01	2e-08	5e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	6.7876e-02	6.7629e-02	2e+00	6e-01	2e-16	9e-02
2:	4.0317e-01	4.0108e-01	8e-01	3e-01	3e-16	3e-02
3:	4.3654e-01	4.3370e-01	1e-01	5e-02	1e-15	4e-03
4:	4.4683e-01	4.4648e-01	2e-02	6e-03	1e-15	5e-04
5:	4.4870e-01	4.4869e-01	2e-04	6e-05	6e-16	5e-06
6:	4.4872e-01	4.4872e-01	2e-06	6e-07	4e-16	5e-08
7:	4.4872e-01	4.4872e-01	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5549e-02	2.5498e-02	1e+00	4e-01	2e-16	6e-02
2:	2.7446e-01	2.7296e-01	4e-01	1e-01	3e-16	2e-02
3:	2.9024e-01	2.8927e-01	5e-02	1e-02	6e-16	1e-03
4:	2.9137e-01	2.9136e-01	6e-04	2e-04	1e-15	1e-05
5:	2.9139e-01	2.9139e-01	6e-06	2e-06	9e-16	1e-07
6:	2.9139e-01	2.9139e-01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5322e-01	2.5251e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9497e-01	9.9253e-01	1e+00	3e-01	6e-16	4e-02
3:	9.3216e-01	9.2625e-01	5e-01	2e-01	3e-15	2e-02
4:	9.9942e-01	9.9926e-01	1e-02	4e-03	6e-16	4e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	8e-16	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	9e-16	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.4907e-01	2.4805e-01	3e+00	1e+00	2e-16	1e-01
2:	8.6506e-01	8.6260e-01	9e-01	3e-01	9e-16	3e-02
3:	8.6331e-01	8.6211e-01	1e-01	3e-02	2e-15	3e-03
4:	8.7096e-01	8.7094e-01	1e-03	3e-04	2e-16	3e-05
5:	8.7103e-01	8.7103e-01	1e-05	3e-06	3e-16	3e-07
6:	8.7104e-01	8.7104e-01	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0929e-01	1.0895e-01	2e+00	7e-01	2e-16	9e-02
2:	6.3252e-01	6.3020e-01	6e-01	2e-01	3e-16	2e-02

3:	6.2016e-01	6.1768e-01	2e-01	7e-02	1e-15	7e-03
4:	6.4300e-01	6.4294e-01	5e-03	2e-03	4e-16	2e-04
5:	6.4321e-01	6.4321e-01	5e-05	2e-05	4e-15	2e-06
6:	6.4321e-01	6.4321e-01	5e-07	2e-07	1e-15	2e-08
7:	6.4321e-01	6.4321e-01	5e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.0560e-02	4.0383e-02	2e+00	5e-01	3e-16	8e-02
2:	2.7487e-01	2.7282e-01	5e-01	2e-01	3e-16	2e-02
3:	2.7950e-01	2.7920e-01	2e-02	7e-03	6e-16	7e-04
4:	2.8053e-01	2.8053e-01	2e-04	7e-05	3e-16	7e-06
5:	2.8054e-01	2.8054e-01	2e-06	7e-07	4e-16	7e-08
6:	2.8054e-01	2.8054e-01	2e-08	7e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1807e-01	3.1684e-01	3e+00	1e+00	1e-16	1e-01
2:	9.9575e-01	9.9317e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6754e-01	9.6273e-01	3e-01	1e-01	3e-15	8e-03
4:	9.9969e-01	9.9963e-01	4e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2857e-01	1.2824e-01	2e+00	7e-01	2e-16	9e-02
2:	6.8111e-01	6.7887e-01	8e-01	2e-01	3e-16	3e-02
3:	6.8229e-01	6.7832e-01	2e-01	7e-02	2e-15	6e-03
4:	7.1182e-01	7.1176e-01	4e-03	1e-03	3e-16	1e-04
5:	7.1212e-01	7.1211e-01	4e-05	1e-05	2e-16	1e-06
6:	7.1212e-01	7.1212e-01	4e-07	1e-07	3e-16	1e-08
7:	7.1212e-01	7.1212e-01	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.6003e-01	1.5949e-01	2e+00	8e-01	2e-16	1e-01
2:	7.3557e-01	7.3315e-01	8e-01	3e-01	3e-16	3e-02
3:	7.9566e-01	7.9434e-01	3e-01	8e-02	9e-16	1e-02
4:	7.9749e-01	7.9727e-01	1e-02	5e-03	2e-15	4e-04
5:	7.9862e-01	7.9862e-01	1e-04	5e-05	5e-16	4e-06
6:	7.9863e-01	7.9863e-01	1e-06	5e-07	5e-16	4e-08
7:	7.9863e-01	7.9863e-01	1e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.1532e-01	1.1490e-01	2e+00	7e-01	2e-16	1e-01

2:	5.6607e-01	5.6374e-01	8e-01	3e-01	5e-16	3e-02
3:	5.8088e-01	5.7761e-01	3e-01	1e-01	8e-16	1e-02
4:	6.0183e-01	6.0135e-01	3e-02	9e-03	5e-16	8e-04
5:	6.0479e-01	6.0478e-01	3e-04	1e-04	4e-16	9e-06
6:	6.0482e-01	6.0482e-01	3e-06	1e-06	5e-16	9e-08
7:	6.0482e-01	6.0482e-01	3e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.7510e-01	4.7338e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3109e+00	1.3085e+00	1e+00	4e-01	6e-16	5e-02
3:	1.3517e+00	1.3480e+00	4e-01	1e-01	4e-15	1e-02
4:	1.3898e+00	1.3894e+00	4e-02	1e-02	1e-15	1e-03
5:	1.3933e+00	1.3933e+00	4e-04	1e-04	5e-16	1e-05
6:	1.3933e+00	1.3933e+00	4e-06	1e-06	1e-15	1e-07
7:	1.3933e+00	1.3933e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0889e-01	3.0785e-01	3e+00	1e+00	1e-16	1e-01
2:	1.0410e+00	1.0385e+00	1e+00	4e-01	1e-15	4e-02
3:	1.0143e+00	1.0096e+00	3e-01	1e-01	2e-15	8e-03
4:	1.0507e+00	1.0487e+00	1e-01	4e-02	1e-15	4e-03
5:	1.0413e+00	1.0393e+00	1e-01	4e-02	7e-15	4e-03
6:	1.0603e+00	1.0602e+00	7e-03	2e-03	3e-15	2e-04
7:	1.0613e+00	1.0613e+00	7e-05	2e-05	4e-16	2e-06
8:	1.0614e+00	1.0614e+00	7e-07	2e-07	4e-16	2e-08
9:	1.0614e+00	1.0614e+00	7e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.9689e-02	4.9527e-02	2e+00	5e-01	3e-16	8e-02
2:	3.5405e-01	3.5202e-01	5e-01	2e-01	5e-16	2e-02
3:	3.6853e-01	3.6804e-01	4e-02	1e-02	1e-15	2e-03
4:	3.6924e-01	3.6924e-01	6e-04	2e-04	2e-15	2e-05
5:	3.6925e-01	3.6925e-01	6e-06	2e-06	2e-15	2e-07
6:	3.6925e-01	3.6925e-01	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.4890e-01	2.4791e-01	3e+00	1e+00	2e-16	1e-01
2:	8.7444e-01	8.7191e-01	1e+00	3e-01	8e-16	4e-02
3:	8.7582e-01	8.7497e-01	5e-02	2e-02	8e-16	1e-03
4:	8.8149e-01	8.8148e-01	6e-04	2e-04	3e-16	1e-05
5:	8.8154e-01	8.8154e-01	6e-06	2e-06	3e-16	1e-07
6:	8.8154e-01	8.8154e-01	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.0486e-01	2.0397e-01	3e+00	9e-01	3e-16	1e-01
2:	7.7778e-01	7.7532e-01	1e+00	3e-01	5e-16	4e-02
3:	7.8963e-01	7.8582e-01	4e-01	1e-01	3e-15	1e-02
4:	8.3076e-01	8.2997e-01	7e-02	2e-02	6e-16	2e-03
5:	8.3321e-01	8.3320e-01	8e-04	2e-04	7e-16	2e-05
6:	8.3324e-01	8.3324e-01	8e-06	2e-06	5e-16	2e-07
7:	8.3324e-01	8.3324e-01	8e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.2569e-01	2.2456e-01	3e+00	1e+00	2e-16	1e-01
2:	7.3516e-01	7.3260e-01	1e+00	4e-01	3e-16	5e-02
3:	7.3789e-01	7.3540e-01	2e-01	6e-02	2e-15	5e-03
4:	7.6993e-01	7.6901e-01	7e-02	2e-02	1e-15	2e-03
5:	7.7090e-01	7.7059e-01	2e-02	6e-03	4e-15	5e-04
6:	7.7311e-01	7.7311e-01	3e-04	9e-05	9e-16	7e-06
7:	7.7313e-01	7.7313e-01	3e-06	9e-07	9e-16	7e-08
8:	7.7313e-01	7.7313e-01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2777e-02	1.2749e-02	1e+00	3e-01	2e-16	5e-02
2:	1.6126e-01	1.6001e-01	3e-01	1e-01	3e-16	2e-02
3:	1.5742e-01	1.5567e-01	9e-02	3e-02	1e-15	2e-03
4:	1.6766e-01	1.6711e-01	3e-02	8e-03	4e-16	7e-04
5:	1.6948e-01	1.6941e-01	3e-03	9e-04	7e-16	8e-05
6:	1.6969e-01	1.6969e-01	3e-05	1e-05	4e-16	8e-07
7:	1.6969e-01	1.6969e-01	3e-07	1e-07	5e-16	8e-09
8:	1.6969e-01	1.6969e-01	3e-09	1e-09	5e-16	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.9528e-01	2.9434e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0450e+00	1.0424e+00	1e+00	4e-01	6e-16	5e-02
3:	1.0272e+00	1.0216e+00	5e-01	2e-01	8e-16	2e-02
4:	1.1029e+00	1.1015e+00	1e-01	4e-02	4e-16	4e-03
5:	1.1092e+00	1.1086e+00	4e-02	1e-02	3e-15	1e-03
6:	1.1135e+00	1.1135e+00	5e-04	2e-04	9e-16	1e-05
7:	1.1135e+00	1.1135e+00	5e-06	2e-06	1e-15	1e-07
8:	1.1135e+00	1.1135e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7769e-01	5.7446e-01	5e+00	2e+00	2e-16	2e-01
2:	1.1674e+00	1.1658e+00	1e+00	4e-01	2e-15	4e-02
3:	1.3654e+00	1.3647e+00	5e-01	1e-01	2e-15	1e-02
4:	1.3727e+00	1.3719e+00	9e-02	3e-02	5e-15	2e-03



5:	1.3834e+00	1.3834e+00	1e-03	3e-04	3e-16	3e-05
6:	1.3835e+00	1.3835e+00	1e-05	3e-06	6e-16	3e-07
7:	1.3835e+00	1.3835e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2553e-01	1.2510e-01	2e+00	7e-01	2e-16	1e-01
2:	6.0931e-01	6.0697e-01	8e-01	2e-01	5e-16	3e-02
3:	6.3679e-01	6.3463e-01	2e-01	7e-02	5e-16	8e-03
4:	6.4205e-01	6.4191e-01	8e-03	2e-03	5e-16	2e-04
5:	6.4233e-01	6.4233e-01	8e-05	2e-05	4e-16	2e-06
6:	6.4233e-01	6.4233e-01	8e-07	2e-07	6e-16	2e-08
7:	6.4233e-01	6.4233e-01	8e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.9801e-02	1.9736e-02	1e+00	4e-01	2e-16	6e-02
2:	1.8694e-01	1.8530e-01	4e-01	1e-01	3e-16	2e-02
3:	1.8855e-01	1.8788e-01	4e-02	1e-02	1e-15	1e-03
4:	1.9053e-01	1.9052e-01	7e-04	2e-04	7e-16	2e-05
5:	1.9059e-01	1.9059e-01	7e-06	2e-06	4e-16	2e-07
6:	1.9059e-01	1.9059e-01	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.4300e-03	4.4210e-03	7e-01	2e-01	2e-16	4e-02
2:	8.5477e-02	8.4554e-02	2e-01	6e-02	3e-16	9e-03
3:	1.0479e-01	1.0435e-01	6e-02	2e-02	3e-16	3e-03
4:	1.0425e-01	1.0401e-01	1e-02	4e-03	1e-15	3e-04
5:	1.0514e-01	1.0514e-01	1e-04	4e-05	4e-16	4e-06
6:	1.0515e-01	1.0515e-01	1e-06	4e-07	5e-16	4e-08
7:	1.0515e-01	1.0515e-01	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.7538e-01	1.7441e-01	3e+00	1e+00	2e-16	1e-01
2:	6.1344e-01	6.1100e-01	8e-01	3e-01	3e-16	3e-02
3:	6.3598e-01	6.3546e-01	1e-01	5e-02	4e-16	6e-03
4:	6.3649e-01	6.3649e-01	2e-03	5e-04	7e-16	6e-05
5:	6.3650e-01	6.3650e-01	2e-05	5e-06	9e-16	6e-07
6:	6.3650e-01	6.3650e-01	2e-07	5e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0751e-01	1.0714e-01	2e+00	7e-01	2e-16	1e-01
2:	5.4281e-01	5.4052e-01	8e-01	2e-01	3e-16	3e-02
3:	5.4513e-01	5.4240e-01	2e-01	6e-02	8e-16	5e-03
4:	5.5985e-01	5.5981e-01	2e-03	8e-04	5e-16	7e-05

5:	5.6000e-01	5.6000e-01	2e-05	8e-06	4e-16	7e-07
6:	5.6000e-01	5.6000e-01	2e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.0131e-01	2.9945e-01	4e+00	1e+00	2e-16	2e-01
2:	7.8170e-01	7.7915e-01	1e+00	5e-01	6e-16	5e-02
3:	7.8926e-01	7.8839e-01	2e-01	5e-02	1e-15	5e-03
4:	8.2108e-01	8.2078e-01	4e-02	1e-02	4e-16	1e-03
5:	8.1962e-01	8.1939e-01	2e-02	7e-03	3e-15	7e-04
6:	8.2210e-01	8.2209e-01	6e-04	2e-04	4e-16	2e-05
7:	8.2213e-01	8.2213e-01	6e-06	2e-06	7e-16	2e-07
8:	8.2213e-01	8.2213e-01	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.1941e-01	7.1711e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8284e+00	1.8261e+00	1e+00	4e-01	2e-15	5e-02
3:	1.9869e+00	1.9850e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9922e+00	1.9916e+00	7e-02	2e-02	2e-15	2e-03
5:	1.9969e+00	1.9969e+00	8e-04	2e-04	1e-15	2e-05
6:	1.9969e+00	1.9969e+00	8e-06	2e-06	6e-15	2e-07
7:	1.9969e+00	1.9969e+00	8e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.2542e-03	7.2434e-03	8e-01	2e-01	2e-16	4e-02
2:	1.2997e-01	1.2900e-01	2e-01	7e-02	3e-16	1e-02
3:	1.4897e-01	1.4844e-01	7e-02	2e-02	5e-16	3e-03
4:	1.4900e-01	1.4879e-01	1e-02	3e-03	1e-15	3e-04
5:	1.4974e-01	1.4974e-01	1e-04	3e-05	5e-16	3e-06
6:	1.4975e-01	1.4975e-01	1e-06	3e-07	1e-15	3e-08
7:	1.4975e-01	1.4975e-01	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.5400e-01	3.5250e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0258e+00	1.0232e+00	1e+00	4e-01	4e-16	5e-02
3:	1.0189e+00	1.0153e+00	3e-01	1e-01	3e-15	1e-02
4:	1.0554e+00	1.0543e+00	1e-01	3e-02	8e-16	3e-03
5:	1.0618e+00	1.0617e+00	2e-03	7e-04	6e-16	6e-05
6:	1.0619e+00	1.0619e+00	2e-05	7e-06	9e-16	6e-07
7:	1.0619e+00	1.0619e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.8257e-01	4.8109e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3741e+00	1.3716e+00	1e+00	4e-01	1e-15	5e-02

3:	1.3599e+00	1.3551e+00	4e-01	1e-01	1e-15	1e-02
4:	1.4065e+00	1.4064e+00	9e-03	3e-03	3e-16	2e-04
5:	1.4074e+00	1.4074e+00	9e-05	3e-05	5e-16	2e-06
6:	1.4074e+00	1.4074e+00	9e-07	3e-07	8e-16	2e-08
7:	1.4074e+00	1.4074e+00	9e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2752e-01	1.2706e-01	2e+00	7e-01	3e-16	1e-01
2:	5.9666e-01	5.9430e-01	8e-01	3e-01	4e-16	3e-02
3:	5.7645e-01	5.7256e-01	4e-01	1e-01	2e-15	1e-02
4:	6.0830e-01	6.0757e-01	6e-02	2e-02	5e-16	2e-03
5:	6.1586e-01	6.1567e-01	1e-02	4e-03	9e-16	4e-04
6:	6.1648e-01	6.1647e-01	5e-04	1e-04	2e-15	1e-05
7:	6.1651e-01	6.1651e-01	5e-06	1e-06	1e-15	1e-07
8:	6.1651e-01	6.1651e-01	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.9462e-02	5.9346e-02	2e+00	5e-01	3e-16	7e-02
2:	4.6085e-01	4.5897e-01	4e-01	1e-01	3e-16	2e-02
3:	4.5236e-01	4.4970e-01	3e-01	8e-02	9e-16	9e-03
4:	4.7594e-01	4.7522e-01	6e-02	2e-02	7e-16	2e-03
5:	4.7815e-01	4.7790e-01	1e-02	4e-03	4e-15	3e-04
6:	4.7922e-01	4.7922e-01	2e-04	5e-05	9e-16	4e-06
7:	4.7923e-01	4.7923e-01	2e-06	5e-07	3e-15	4e-08
8:	4.7923e-01	4.7923e-01	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0941e-01	2.0870e-01	3e+00	9e-01	3e-16	1e-01
2:	8.6791e-01	8.6544e-01	8e-01	2e-01	3e-16	3e-02
3:	8.4844e-01	8.4507e-01	4e-01	1e-01	2e-15	1e-02
4:	8.7188e-01	8.7182e-01	7e-03	2e-03	8e-16	2e-04
5:	8.7222e-01	8.7222e-01	7e-05	2e-05	5e-16	2e-06
6:	8.7222e-01	8.7222e-01	7e-07	2e-07	4e-16	2e-08
7:	8.7222e-01	8.7222e-01	7e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2462e-01	1.2440e-01	2e+00	6e-01	2e-16	8e-02
2:	7.6794e-01	7.6582e-01	6e-01	2e-01	3e-16	2e-02
3:	7.3823e-01	7.3475e-01	2e-01	7e-02	1e-15	7e-03
4:	7.7742e-01	7.7729e-01	8e-03	3e-03	7e-16	2e-04
5:	7.7871e-01	7.7871e-01	8e-05	3e-05	5e-16	2e-06
6:	7.7872e-01	7.7872e-01	8e-07	3e-07	5e-16	2e-08
7:	7.7872e-01	7.7872e-01	8e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3626e-01	3.3521e-01	3e+00	1e+00	1e-16	1e-01
2:	1.2245e+00	1.2222e+00	1e+00	3e-01	6e-16	4e-02
3:	1.2327e+00	1.2275e+00	3e-01	1e-01	2e-15	9e-03
4:	1.2879e+00	1.2877e+00	2e-02	5e-03	9e-16	4e-04
5:	1.2883e+00	1.2883e+00	2e-04	6e-05	6e-15	5e-06
6:	1.2883e+00	1.2883e+00	2e-06	6e-07	1e-14	5e-08
7:	1.2883e+00	1.2883e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2688e-01	7.2419e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5442e+00	1.5418e+00	2e+00	6e-01	4e-15	6e-02
3:	1.6200e+00	1.6184e+00	3e-01	9e-02	3e-15	8e-03
4:	1.6347e+00	1.6346e+00	1e-02	5e-03	1e-15	4e-04
5:	1.6368e+00	1.6368e+00	1e-04	5e-05	4e-16	4e-06
6:	1.6368e+00	1.6368e+00	1e-06	5e-07	3e-16	4e-08
7:	1.6368e+00	1.6368e+00	1e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.0030e-02	3.9933e-02	1e+00	5e-01	3e-16	7e-02
2:	3.4110e-01	3.3935e-01	5e-01	2e-01	7e-16	2e-02
3:	3.9471e-01	3.9265e-01	2e-01	5e-02	4e-16	6e-03
4:	3.9676e-01	3.9578e-01	5e-02	2e-02	1e-15	1e-03
5:	4.0281e-01	4.0279e-01	8e-04	3e-04	6e-16	2e-05
6:	4.0287e-01	4.0287e-01	8e-06	3e-06	1e-15	2e-07
7:	4.0287e-01	4.0287e-01	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.2146e-02	2.2103e-02	1e+00	4e-01	2e-16	5e-02
2:	2.4021e-01	2.3880e-01	4e-01	1e-01	3e-16	2e-02
3:	2.3431e-01	2.3210e-01	1e-01	4e-02	1e-15	4e-03
4:	2.4669e-01	2.4665e-01	2e-03	8e-04	4e-16	7e-05
5:	2.4684e-01	2.4684e-01	2e-05	8e-06	4e-16	7e-07
6:	2.4684e-01	2.4684e-01	2e-07	8e-08	3e-16	7e-09
7:	2.4684e-01	2.4684e-01	2e-09	8e-10	4e-16	7e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.9836e-02	9.9489e-02	2e+00	7e-01	3e-16	1e-01
2:	5.2752e-01	5.2528e-01	8e-01	3e-01	3e-16	3e-02
3:	5.8298e-01	5.8005e-01	2e-01	6e-02	1e-15	6e-03
4:	6.0207e-01	6.0158e-01	3e-02	9e-03	6e-16	7e-04
5:	6.0375e-01	6.0373e-01	9e-04	3e-04	5e-15	2e-05
6:	6.0376e-01	6.0376e-01	9e-06	3e-06	9e-15	2e-07

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7: 6.0376e-01 6.0376e-01 9e-08 3e-08 7e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.4636e-01 1.4584e-01 2e+00 8e-01 2e-16 1e-01
2: 6.4870e-01 6.4632e-01 8e-01 3e-01 5e-16 3e-02
3: 6.2306e-01 6.1889e-01 3e-01 1e-01 1e-15 9e-03
4: 6.4734e-01 6.4573e-01 1e-01 4e-02 5e-16 3e-03
5: 6.5309e-01 6.5241e-01 4e-02 1e-02 9e-16 9e-04
6: 6.5670e-01 6.5667e-01 2e-03 6e-04 5e-16 5e-05
7: 6.5676e-01 6.5676e-01 2e-05 6e-06 5e-16 5e-07
8: 6.5676e-01 6.5676e-01 2e-07 6e-08 5e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 4.0125e-02 3.9975e-02 2e+00 5e-01 2e-16 8e-02
2: 2.8316e-01 2.8120e-01 5e-01 2e-01 2e-16 2e-02
3: 2.7912e-01 2.7681e-01 3e-01 9e-02 1e-15 1e-02
4: 2.9633e-01 2.9587e-01 4e-02 1e-02 4e-16 2e-03
5: 3.0321e-01 3.0304e-01 2e-02 5e-03 1e-15 5e-04
6: 3.0345e-01 3.0342e-01 2e-03 5e-04 4e-15 4e-05
7: 3.0360e-01 3.0360e-01 2e-05 6e-06 5e-16 5e-07
8: 3.0361e-01 3.0361e-01 2e-07 6e-08 9e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.0053e-01 1.0008e-01 2e+00 7e-01 2e-16 1e-01
2: 4.7396e-01 4.7163e-01 1e+00 3e-01 2e-16 4e-02
3: 5.0126e-01 4.9891e-01 2e-01 6e-02 1e-15 6e-03
4: 5.1774e-01 5.1738e-01 3e-02 8e-03 4e-16 8e-04
5: 5.1875e-01 5.1874e-01 6e-04 2e-04 2e-15 2e-05
6: 5.1878e-01 5.1878e-01 6e-06 2e-06 1e-15 2e-07
7: 5.1878e-01 5.1878e-01 6e-08 2e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 2.6228e-01 2.6117e-01 3e+00 1e+00 2e-16 1e-01
2: 1.0003e+00 9.9776e-01 9e-01 3e-01 1e-15 3e-02
3: 9.8086e-01 9.7776e-01 3e-01 1e-01 1e-15 1e-02
4: 1.0136e+00 1.0135e+00 6e-03 2e-03 6e-16 2e-04
5: 1.0139e+00 1.0139e+00 6e-05 2e-05 4e-16 2e-06
6: 1.0139e+00 1.0139e+00 6e-07 2e-07 4e-16 2e-08
7: 1.0139e+00 1.0139e+00 6e-09 2e-09 8e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 4.7371e-02 4.7212e-02 2e+00 5e-01 2e-16 8e-02
2: 3.2469e-01 3.2275e-01 6e-01 2e-01 3e-16 3e-02

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3:	3.3189e-01	3.2986e-01	1e-01	3e-02	7e-16	3e-03
4:	3.3916e-01	3.3881e-01	2e-02	6e-03	1e-15	5e-04
5:	3.4188e-01	3.4188e-01	2e-04	6e-05	3e-16	5e-06
6:	3.4191e-01	3.4191e-01	2e-06	6e-07	2e-16	5e-08
7:	3.4191e-01	3.4191e-01	2e-08	6e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0767e-02	1.0755e-02	8e-01	3e-01	2e-16	4e-02
2:	1.8281e-01	1.8182e-01	2e-01	7e-02	3e-16	1e-02
3:	1.7391e-01	1.7222e-01	1e-01	3e-02	8e-16	3e-03
4:	1.8565e-01	1.8544e-01	1e-02	3e-03	1e-15	3e-04
5:	1.8674e-01	1.8674e-01	1e-04	4e-05	4e-16	3e-06
6:	1.8675e-01	1.8675e-01	1e-06	4e-07	7e-16	3e-08
7:	1.8675e-01	1.8675e-01	1e-08	4e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7841e-01	5.7657e-01	4e+00	1e+00	1e-16	1e-01
2:	1.5546e+00	1.5524e+00	1e+00	3e-01	6e-16	4e-02
3:	1.6333e+00	1.6317e+00	3e-01	9e-02	3e-15	9e-03
4:	1.6380e+00	1.6376e+00	3e-02	9e-03	3e-15	7e-04
5:	1.6403e+00	1.6403e+00	3e-04	9e-05	1e-15	7e-06
6:	1.6404e+00	1.6404e+00	3e-06	9e-07	1e-15	7e-08
7:	1.6404e+00	1.6404e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1203e-01	3.1059e-01	4e+00	1e+00	2e-16	1e-01
2:	1.1507e+00	1.1484e+00	7e-01	2e-01	7e-16	3e-02
3:	1.1444e+00	1.1428e+00	2e-01	5e-02	2e-15	5e-03
4:	1.1586e+00	1.1586e+00	2e-03	8e-04	5e-16	7e-05
5:	1.1588e+00	1.1588e+00	5e-04	2e-04	3e-13	2e-05
6:	1.1588e+00	1.1588e+00	6e-05	2e-05	2e-12	1e-06
7:	1.1588e+00	1.1588e+00	6e-07	2e-07	2e-13	2e-08
8:	1.1588e+00	1.1588e+00	6e-09	2e-09	2e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2037e-01	3.1943e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2236e+00	1.2213e+00	8e-01	2e-01	5e-16	3e-02
3:	1.2318e+00	1.2299e+00	1e-01	4e-02	2e-15	3e-03
4:	1.2448e+00	1.2446e+00	1e-02	4e-03	2e-15	3e-04
5:	1.2458e+00	1.2458e+00	2e-04	6e-05	2e-14	5e-06
6:	1.2458e+00	1.2458e+00	2e-06	6e-07	3e-14	5e-08
7:	1.2458e+00	1.2458e+00	2e-08	6e-09	3e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.8213e-01	5.8004e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4260e+00	1.4234e+00	2e+00	6e-01	2e-15	6e-02
3:	1.4527e+00	1.4492e+00	5e-01	1e-01	3e-15	1e-02
4:	1.5073e+00	1.5064e+00	1e-01	3e-02	1e-15	3e-03
5:	1.5121e+00	1.5120e+00	1e-03	4e-04	5e-16	4e-05
6:	1.5121e+00	1.5121e+00	1e-05	4e-06	1e-15	4e-07
7:	1.5121e+00	1.5121e+00	1e-07	4e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	5.4476e-03	5.4421e-03	7e-01	2e-01	2e-16	3e-02
2:	1.1977e-01	1.1898e-01	2e-01	5e-02	2e-16	7e-03
3:	1.2185e-01	1.2082e-01	5e-02	2e-02	1e-15	1e-03
4:	1.2571e-01	1.2560e-01	5e-03	2e-03	9e-16	1e-04
5:	1.2623e-01	1.2623e-01	5e-05	2e-05	5e-16	1e-06
6:	1.2624e-01	1.2624e-01	5e-07	2e-07	6e-16	1e-08
7:	1.2624e-01	1.2624e-01	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.3413e-01	2.3312e-01	3e+00	1e+00	1e-16	1e-01
2:	8.0728e-01	8.0488e-01	9e-01	3e-01	3e-16	3e-02
3:	8.1591e-01	8.1526e-01	5e-02	2e-02	1e-15	2e-03
4:	8.1962e-01	8.1961e-01	6e-04	2e-04	4e-16	2e-05
5:	8.1966e-01	8.1966e-01	6e-06	2e-06	3e-16	2e-07
6:	8.1966e-01	8.1966e-01	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	3.0857e-02	3.0733e-02	2e+00	5e-01	2e-16	7e-02
2:	2.3326e-01	2.3146e-01	6e-01	2e-01	4e-16	3e-02
3:	2.5141e-01	2.5005e-01	1e-01	3e-02	5e-16	3e-03
4:	2.7022e-01	2.6991e-01	2e-02	7e-03	5e-16	7e-04
5:	2.7044e-01	2.7031e-01	7e-03	2e-03	2e-15	2e-04
6:	2.7106e-01	2.7106e-01	8e-05	3e-05	1e-15	2e-06
7:	2.7106e-01	2.7106e-01	8e-07	3e-07	1e-15	2e-08
8:	2.7106e-01	2.7106e-01	8e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1948e-01	3.1825e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0149e+00	1.0124e+00	1e+00	4e-01	4e-16	5e-02
3:	1.0936e+00	1.0914e+00	3e-01	1e-01	7e-16	1e-02
4:	1.1027e+00	1.1024e+00	2e-02	5e-03	4e-15	4e-04
5:	1.1035e+00	1.1035e+00	2e-04	6e-05	5e-15	4e-06
6:	1.1035e+00	1.1035e+00	2e-06	6e-07	3e-15	4e-08
7:	1.1035e+00	1.1035e+00	2e-08	6e-09	6e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.3768e-01	2.3683e-01	3e+00	9e-01	2e-16	1e-01
2:	8.4423e-01	8.4180e-01	9e-01	3e-01	1e-15	3e-02
3:	8.7510e-01	8.7362e-01	2e-01	6e-02	1e-15	7e-03
4:	8.7942e-01	8.7937e-01	4e-03	1e-03	2e-15	1e-04
5:	8.7957e-01	8.7957e-01	4e-05	1e-05	8e-16	1e-06
6:	8.7957e-01	8.7957e-01	4e-07	1e-07	1e-15	1e-08
7:	8.7957e-01	8.7957e-01	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.6171e-02	9.5683e-02	2e+00	8e-01	1e-16	1e-01
2:	5.1137e-01	5.0893e-01	6e-01	2e-01	3e-16	2e-02
3:	5.0634e-01	5.0464e-01	2e-01	5e-02	1e-15	5e-03
4:	5.1631e-01	5.1629e-01	2e-03	6e-04	2e-16	6e-05
5:	5.1641e-01	5.1641e-01	2e-05	6e-06	7e-16	6e-07
6:	5.1641e-01	5.1641e-01	2e-07	6e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3581e-02	1.3550e-02	1e+00	3e-01	2e-16	5e-02
2:	1.6506e-01	1.6374e-01	3e-01	1e-01	3e-16	1e-02
3:	1.5851e-01	1.5682e-01	1e-01	3e-02	1e-15	3e-03
4:	1.6514e-01	1.6509e-01	2e-03	8e-04	6e-16	7e-05
5:	1.6544e-01	1.6543e-01	6e-04	2e-04	5e-16	2e-05
6:	1.6546e-01	1.6546e-01	8e-05	3e-05	1e-15	2e-06
7:	1.6547e-01	1.6547e-01	1e-06	4e-07	5e-16	3e-08
8:	1.6547e-01	1.6547e-01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	6e+00	1e-16	1e+00
1:	1.4212e-03	1.4201e-03	5e-01	1e-01	2e-16	2e-02
2:	5.2680e-02	5.2200e-02	6e-02	2e-02	2e-16	2e-03
3:	5.0147e-02	4.9736e-02	2e-02	7e-03	6e-15	7e-04
4:	5.4225e-02	5.4138e-02	5e-03	2e-03	1e-15	1e-04
5:	5.4878e-02	5.4871e-02	3e-04	9e-05	9e-16	8e-06
6:	5.4899e-02	5.4899e-02	3e-06	1e-06	1e-15	8e-08
7:	5.4899e-02	5.4899e-02	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	3.1481e-02	3.1435e-02	1e+00	4e-01	2e-16	5e-02
2:	3.3346e-01	3.3198e-01	4e-01	1e-01	5e-16	2e-02
3:	3.1779e-01	3.1534e-01	2e-01	7e-02	1e-15	9e-03
4:	3.3907e-01	3.3873e-01	3e-02	1e-02	5e-16	1e-03
5:	3.4120e-01	3.4120e-01	4e-04	1e-04	1e-15	1e-05



6:	3.4123e-01	3.4123e-01	4e-06	1e-06	9e-16	1e-07
7:	3.4123e-01	3.4123e-01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1438e-01	3.1330e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0550e+00	1.0525e+00	1e+00	4e-01	4e-16	5e-02
3:	1.0457e+00	1.0406e+00	5e-01	2e-01	2e-15	2e-02
4:	1.1019e+00	1.1003e+00	2e-01	5e-02	9e-16	5e-03
5:	1.1120e+00	1.1119e+00	1e-02	3e-03	2e-15	3e-04
6:	1.1127e+00	1.1127e+00	1e-04	3e-05	5e-16	3e-06
7:	1.1127e+00	1.1127e+00	1e-06	3e-07	9e-16	3e-08
8:	1.1127e+00	1.1127e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1700e-01	4.1515e-01	4e+00	1e+00	2e-16	2e-01
2:	1.0815e+00	1.0791e+00	1e+00	4e-01	8e-16	5e-02
3:	1.0900e+00	1.0877e+00	2e-01	7e-02	4e-15	6e-03
4:	1.1250e+00	1.1244e+00	6e-02	2e-02	1e-15	2e-03
5:	1.1283e+00	1.1282e+00	3e-03	9e-04	3e-15	8e-05
6:	1.1285e+00	1.1285e+00	3e-05	9e-06	2e-15	8e-07
7:	1.1285e+00	1.1285e+00	3e-07	9e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.9353e-01	1.9289e-01	3e+00	8e-01	2e-16	1e-01
2:	7.9311e-01	7.9066e-01	9e-01	3e-01	6e-16	4e-02
3:	8.1246e-01	8.1119e-01	1e-01	4e-02	1e-15	4e-03
4:	8.2690e-01	8.2687e-01	2e-03	7e-04	6e-16	7e-05
5:	8.2714e-01	8.2714e-01	2e-05	7e-06	6e-16	7e-07
6:	8.2714e-01	8.2714e-01	2e-07	7e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.2709e-01	3.2524e-01	4e+00	1e+00	2e-16	2e-01
2:	8.7396e-01	8.7157e-01	1e+00	4e-01	1e-15	4e-02
3:	9.7568e-01	9.7502e-01	2e-01	6e-02	8e-16	6e-03
4:	9.9998e-01	9.9975e-01	4e-02	1e-02	6e-15	1e-03
5:	9.9937e-01	9.9928e-01	7e-03	2e-03	6e-14	2e-04
6:	9.9999e-01	9.9999e-01	8e-05	2e-05	8e-15	2e-06
7:	1.0000e+00	1.0000e+00	8e-07	2e-07	4e-15	2e-08
8:	1.0000e+00	1.0000e+00	8e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.7173e-02	2.7102e-02	1e+00	4e-01	2e-16	6e-02
2:	2.5397e-01	2.5230e-01	4e-01	1e-01	3e-16	2e-02

3:	2.4949e-01	2.4766e-01	1e-01	4e-02	5e-16	5e-03
4:	2.6066e-01	2.6037e-01	2e-02	7e-03	5e-16	7e-04
5:	2.6190e-01	2.6190e-01	3e-04	8e-05	4e-16	8e-06
6:	2.6192e-01	2.6192e-01	3e-06	8e-07	3e-16	8e-08
7:	2.6192e-01	2.6192e-01	3e-08	8e-09	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0936e-01	1.0884e-01	2e+00	8e-01	2e-16	1e-01
2:	5.1571e-01	5.1330e-01	9e-01	3e-01	7e-16	4e-02
3:	6.1135e-01	6.1012e-01	3e-01	8e-02	1e-15	1e-02
4:	6.1532e-01	6.1501e-01	2e-02	5e-03	1e-15	4e-04
5:	6.1672e-01	6.1672e-01	2e-04	6e-05	5e-16	5e-06
6:	6.1673e-01	6.1673e-01	2e-06	6e-07	6e-16	5e-08
7:	6.1673e-01	6.1673e-01	2e-08	6e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0654e-01	2.0607e-01	2e+00	8e-01	2e-16	1e-01
2:	9.3288e-01	9.3055e-01	7e-01	2e-01	4e-16	3e-02
3:	9.4331e-01	9.4152e-01	1e-01	4e-02	3e-15	4e-03
4:	9.6132e-01	9.6127e-01	4e-03	1e-03	8e-16	1e-04
5:	9.6160e-01	9.6160e-01	4e-05	1e-05	2e-15	1e-06
6:	9.6160e-01	9.6160e-01	4e-07	1e-07	6e-15	1e-08
7:	9.6160e-01	9.6160e-01	4e-09	1e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7845e-01	1.7793e-01	2e+00	8e-01	2e-16	1e-01
2:	8.4994e-01	8.4762e-01	8e-01	2e-01	5e-16	3e-02
3:	8.5209e-01	8.5016e-01	2e-01	5e-02	1e-15	5e-03
4:	8.7119e-01	8.7117e-01	2e-03	6e-04	5e-16	6e-05
5:	8.7139e-01	8.7139e-01	2e-05	6e-06	4e-16	6e-07
6:	8.7140e-01	8.7140e-01	2e-07	6e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7263e-01	2.7156e-01	3e+00	1e+00	2e-16	1e-01
2:	9.2696e-01	9.2440e-01	1e+00	4e-01	6e-16	5e-02
3:	1.0008e+00	9.9924e-01	5e-01	1e-01	9e-16	2e-02
4:	9.9439e-01	9.9293e-01	9e-02	3e-02	6e-15	2e-03
5:	9.9995e-01	9.9993e-01	1e-03	3e-04	1e-15	3e-05
6:	1.0000e+00	1.0000e+00	1e-05	3e-06	2e-15	3e-07
7:	1.0000e+00	1.0000e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4916e-01	4.4667e-01	5e+00	1e+00	2e-16	2e-01

2:	9.9678e-01	9.9447e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9731e-01	9.9672e-01	5e-02	2e-02	3e-15	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	2e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3036e-01	3.2901e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9589e-01	9.9329e-01	1e+00	5e-01	6e-16	6e-02
3:	9.7324e-01	9.6889e-01	3e-01	9e-02	1e-15	7e-03
4:	9.9974e-01	9.9969e-01	4e-03	1e-03	5e-16	9e-05
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	9e-07
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	7e-16	9e-09
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4539e-01	3.4391e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9606e-01	9.9344e-01	1e+00	5e-01	9e-16	6e-02
3:	9.7945e-01	9.7583e-01	3e-01	8e-02	2e-15	6e-03
4:	9.9980e-01	9.9976e-01	3e-03	9e-04	3e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	2e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0293e-01	4.0088e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9653e-01	9.9401e-01	2e+00	5e-01	8e-16	6e-02
3:	9.9256e-01	9.9099e-01	1e-01	4e-02	1e-15	3e-03
4:	9.9993e-01	9.9991e-01	1e-03	4e-04	4e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.2653e-02	4.2531e-02	2e+00	5e-01	2e-16	7e-02
2:	3.4404e-01	3.4219e-01	5e-01	2e-01	4e-16	2e-02
3:	3.6869e-01	3.6737e-01	8e-02	3e-02	1e-15	2e-03
4:	3.7557e-01	3.7536e-01	1e-02	4e-03	2e-16	4e-04
5:	3.7608e-01	3.7608e-01	1e-04	4e-05	6e-16	4e-06
6:	3.7609e-01	3.7609e-01	1e-06	4e-07	4e-16	4e-08
7:	3.7609e-01	3.7609e-01	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7556e-01	1.7510e-01	2e+00	7e-01	2e-16	1e-01
2:	8.6415e-01	8.6178e-01	8e-01	2e-01	6e-16	3e-02

3:	9.8255e-01	9.8040e-01	3e-01	8e-02	7e-16	9e-03
4:	9.9556e-01	9.9478e-01	4e-02	1e-02	2e-15	1e-03
5:	1.0002e+00	9.9995e-01	1e-02	4e-03	8e-15	3e-04
6:	9.9983e-01	9.9979e-01	2e-03	7e-04	5e-14	5e-05
7:	1.0000e+00	1.0000e+00	2e-05	7e-06	2e-14	6e-07
8:	1.0000e+00	1.0000e+00	2e-07	7e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.7070e-01	2.6986e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9513e-01	9.9270e-01	9e-01	3e-01	5e-16	4e-02
3:	9.6152e-01	9.5734e-01	5e-01	2e-01	3e-15	2e-02
4:	9.9955e-01	9.9948e-01	8e-03	3e-03	2e-15	3e-04
5:	1.0000e+00	9.9999e-01	8e-05	3e-05	7e-16	3e-06
6:	1.0000e+00	1.0000e+00	8e-07	3e-07	1e-15	3e-08
7:	1.0000e+00	1.0000e+00	8e-09	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3302e-01	1.3230e-01	3e+00	9e-01	2e-16	1e-01
2:	5.4975e-01	5.4729e-01	8e-01	2e-01	5e-16	3e-02
3:	6.2728e-01	6.2637e-01	2e-01	8e-02	5e-16	9e-03
4:	6.2949e-01	6.2905e-01	3e-02	8e-03	2e-15	6e-04
5:	6.3207e-01	6.3206e-01	3e-04	8e-05	3e-16	7e-06
6:	6.3209e-01	6.3209e-01	3e-06	8e-07	6e-16	7e-08
7:	6.3209e-01	6.3209e-01	3e-08	8e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4230e-01	3.4084e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9590e-01	9.9341e-01	1e+00	4e-01	3e-16	5e-02
3:	9.7528e-01	9.7153e-01	3e-01	8e-02	2e-15	7e-03
4:	9.9976e-01	9.9972e-01	3e-03	1e-03	3e-16	8e-05
5:	1.0000e+00	1.0000e+00	3e-05	1e-05	2e-16	8e-07
6:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7612e-01	2.7524e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9527e-01	9.9275e-01	1e+00	4e-01	4e-16	5e-02
3:	9.4519e-01	9.3900e-01	5e-01	1e-01	5e-15	1e-02
4:	9.9950e-01	9.9939e-01	8e-03	3e-03	4e-16	2e-04
5:	1.0000e+00	9.9999e-01	8e-05	3e-05	5e-16	2e-06
6:	1.0000e+00	1.0000e+00	8e-07	3e-07	8e-16	2e-08
7:	1.0000e+00	1.0000e+00	8e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	4.6065e-01	4.5806e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9690e-01	9.9458e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9836e-01	9.9799e-01	4e-02	1e-02	5e-16	1e-03
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7581e-01	2.7493e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9526e-01	9.9275e-01	1e+00	4e-01	7e-16	5e-02
3:	9.4224e-01	9.3600e-01	4e-01	1e-01	1e-15	1e-02
4:	9.9947e-01	9.9936e-01	8e-03	2e-03	4e-16	2e-04
5:	9.9999e-01	9.9999e-01	8e-05	2e-05	6e-16	2e-06
6:	1.0000e+00	1.0000e+00	8e-07	2e-07	2e-16	2e-08
7:	1.0000e+00	1.0000e+00	8e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7225e-01	1.7163e-01	3e+00	8e-01	2e-16	1e-01
2:	7.5397e-01	7.5154e-01	1e+00	3e-01	4e-16	4e-02
3:	8.2034e-01	8.1723e-01	4e-01	1e-01	7e-16	1e-02
4:	8.4120e-01	8.4050e-01	8e-02	2e-02	8e-16	3e-03
5:	8.5521e-01	8.5500e-01	2e-02	7e-03	7e-16	7e-04
6:	8.5581e-01	8.5575e-01	4e-03	1e-03	3e-15	1e-04
7:	8.5626e-01	8.5626e-01	4e-05	1e-05	1e-15	1e-06
8:	8.5627e-01	8.5627e-01	4e-07	1e-07	1e-15	1e-08
9:	8.5627e-01	8.5627e-01	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.3461e-01	2.3368e-01	3e+00	1e+00	2e-16	1e-01
2:	8.9992e-01	8.9738e-01	1e+00	3e-01	4e-16	4e-02
3:	9.8686e-01	9.8584e-01	3e-01	8e-02	6e-16	1e-02
4:	9.9572e-01	9.9549e-01	4e-02	1e-02	2e-15	2e-03
5:	1.0001e+00	9.9995e-01	1e-02	4e-03	2e-14	5e-04
6:	9.9978e-01	9.9973e-01	3e-03	9e-04	8e-14	7e-05
7:	1.0000e+00	1.0000e+00	3e-05	1e-05	1e-14	8e-07
8:	1.0000e+00	1.0000e+00	3e-07	1e-07	2e-14	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.4261e-02	4.4171e-02	1e+00	4e-01	3e-16	7e-02
2:	3.7566e-01	3.7387e-01	4e-01	1e-01	3e-16	2e-02
3:	3.8041e-01	3.7988e-01	4e-02	1e-02	7e-16	1e-03
4:	3.8320e-01	3.8319e-01	4e-04	1e-04	4e-16	1e-05
5:	3.8322e-01	3.8322e-01	4e-06	1e-06	3e-16	1e-07
6:	3.8322e-01	3.8322e-01	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.5759e-01	1.5708e-01	2e+00	8e-01	2e-16	1e-01
2:	7.2218e-01	7.1981e-01	9e-01	3e-01	4e-16	4e-02
3:	7.7181e-01	7.6805e-01	2e-01	8e-02	8e-16	7e-03
4:	7.9958e-01	7.9880e-01	5e-02	2e-02	6e-16	1e-03
5:	8.0299e-01	8.0298e-01	7e-04	2e-04	7e-16	2e-05
6:	8.0304e-01	8.0304e-01	7e-06	2e-06	8e-16	2e-07
7:	8.0304e-01	8.0304e-01	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3292e-01	1.3262e-01	2e+00	6e-01	2e-16	9e-02
2:	7.2822e-01	7.2601e-01	7e-01	2e-01	4e-16	3e-02
3:	6.9191e-01	6.8711e-01	4e-01	1e-01	3e-15	1e-02
4:	7.5370e-01	7.5306e-01	5e-02	2e-02	6e-16	2e-03
5:	7.6415e-01	7.6397e-01	1e-02	4e-03	8e-16	4e-04
6:	7.6565e-01	7.6564e-01	4e-04	1e-04	2e-15	1e-05
7:	7.6569e-01	7.6569e-01	4e-06	1e-06	1e-15	1e-07
8:	7.6569e-01	7.6569e-01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	6.3610e-02	6.3412e-02	2e+00	6e-01	2e-16	8e-02
2:	4.1190e-01	4.0986e-01	6e-01	2e-01	5e-16	3e-02
3:	4.1247e-01	4.0957e-01	2e-01	8e-02	1e-15	8e-03
4:	4.3492e-01	4.3324e-01	1e-01	4e-02	8e-16	4e-03
5:	4.3479e-01	4.3325e-01	1e-01	3e-02	3e-15	3e-03
6:	4.4681e-01	4.4664e-01	1e-02	3e-03	7e-16	3e-04
7:	4.4756e-01	4.4756e-01	2e-04	5e-05	3e-15	4e-06
8:	4.4758e-01	4.4758e-01	2e-06	5e-07	2e-15	4e-08
9:	4.4758e-01	4.4758e-01	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.1316e-02	2.1239e-02	1e+00	4e-01	2e-16	6e-02
2:	1.8916e-01	1.8754e-01	5e-01	2e-01	2e-16	2e-02
3:	1.9651e-01	1.9545e-01	5e-02	2e-02	6e-16	1e-03
4:	2.0031e-01	2.0021e-01	5e-03	2e-03	3e-16	1e-04
5:	2.0127e-01	2.0123e-01	2e-03	6e-04	3e-16	5e-05
6:	2.0137e-01	2.0136e-01	4e-04	1e-04	2e-15	1e-05
7:	2.0141e-01	2.0141e-01	5e-06	1e-06	4e-16	1e-07
8:	2.0141e-01	2.0141e-01	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.4374e-01	1.4302e-01	3e+00	9e-01	2e-16	1e-01

2:	6.4344e-01	6.4094e-01	9e-01	3e-01	5e-16	4e-02
3:	7.0862e-01	7.0771e-01	2e-01	6e-02	4e-16	8e-03
4:	7.1481e-01	7.1478e-01	7e-03	2e-03	8e-16	3e-04
5:	7.1493e-01	7.1493e-01	7e-05	2e-05	7e-16	3e-06
6:	7.1493e-01	7.1493e-01	7e-07	2e-07	4e-16	3e-08
7:	7.1493e-01	7.1493e-01	7e-09	2e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1293e-01	4.1079e-01	4e+00	1e+00	1e-16	2e-01
2:	9.9666e-01	9.9411e-01	2e+00	5e-01	6e-16	6e-02
3:	9.9456e-01	9.9332e-01	1e-01	3e-02	3e-15	3e-03
4:	9.9995e-01	9.9993e-01	1e-03	3e-04	2e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.3686e-01	2.3556e-01	3e+00	1e+00	2e-16	1e-01
2:	7.6462e-01	7.6203e-01	1e+00	4e-01	6e-16	5e-02
3:	8.8193e-01	8.8071e-01	4e-01	1e-01	4e-16	1e-02
4:	8.8050e-01	8.7946e-01	1e-01	3e-02	2e-15	3e-03
5:	8.9529e-01	8.9502e-01	2e-02	7e-03	8e-16	6e-04
6:	8.9589e-01	8.9580e-01	6e-03	2e-03	2e-15	1e-04
7:	8.9684e-01	8.9683e-01	2e-04	5e-05	9e-16	4e-06
8:	8.9685e-01	8.9685e-01	2e-06	5e-07	4e-14	4e-08
9:	8.9685e-01	8.9685e-01	2e-08	5e-09	7e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7525e-01	1.7472e-01	2e+00	8e-01	2e-16	1e-01
2:	7.8843e-01	7.8603e-01	8e-01	3e-01	6e-16	3e-02
3:	8.4084e-01	8.3884e-01	3e-01	8e-02	8e-16	1e-02
4:	8.5030e-01	8.5010e-01	1e-02	3e-03	1e-15	3e-04
5:	8.5108e-01	8.5108e-01	1e-04	3e-05	4e-16	3e-06
6:	8.5109e-01	8.5109e-01	1e-06	3e-07	7e-16	3e-08
7:	8.5109e-01	8.5109e-01	1e-08	3e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7708e-01	3.7528e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9637e-01	9.9375e-01	2e+00	5e-01	3e-16	6e-02
3:	9.8836e-01	9.8599e-01	2e-01	6e-02	9e-16	4e-03
4:	9.9988e-01	9.9986e-01	2e-03	6e-04	2e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.6484e-01	2.6388e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9501e-01	9.9264e-01	9e-01	3e-01	5e-16	3e-02
3:	9.5498e-01	9.5079e-01	5e-01	2e-01	2e-15	2e-02
4:	9.9877e-01	9.9858e-01	2e-02	6e-03	1e-15	6e-04
5:	9.9999e-01	9.9999e-01	2e-04	6e-05	2e-15	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	6e-07	1e-15	6e-08
7:	1.0000e+00	1.0000e+00	2e-08	6e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	8.1234e-02	8.1004e-02	2e+00	6e-01	3e-16	8e-02
2:	5.3110e-01	5.2900e-01	5e-01	2e-01	3e-16	2e-02
3:	5.4885e-01	5.4802e-01	9e-02	3e-02	8e-16	3e-03
4:	5.5320e-01	5.5318e-01	2e-03	5e-04	8e-16	5e-05
5:	5.5325e-01	5.5325e-01	2e-05	5e-06	6e-16	5e-07
6:	5.5325e-01	5.5325e-01	2e-07	5e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.3617e-01	2.3486e-01	3e+00	1e+00	2e-16	1e-01
2:	8.9101e-01	8.8855e-01	9e-01	3e-01	9e-16	3e-02
3:	1.0004e+00	9.9889e-01	4e-01	1e-01	1e-15	1e-02
4:	9.9405e-01	9.9292e-01	8e-02	2e-02	2e-15	2e-03
5:	9.9993e-01	9.9992e-01	9e-04	3e-04	3e-15	2e-05
6:	1.0000e+00	1.0000e+00	9e-06	3e-06	1e-15	2e-07
7:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8152e-01	2.8060e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9530e-01	9.9281e-01	1e+00	4e-01	6e-16	5e-02
3:	9.4788e-01	9.4216e-01	4e-01	1e-01	2e-15	1e-02
4:	9.9952e-01	9.9942e-01	8e-03	2e-03	3e-16	2e-04
5:	1.0000e+00	9.9999e-01	8e-05	2e-05	6e-16	2e-06
6:	1.0000e+00	1.0000e+00	8e-07	2e-07	3e-16	2e-08
7:	1.0000e+00	1.0000e+00	8e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1406e-01	5.1105e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9511e-01	1e+00	4e-01	6e-16	4e-02
3:	9.9978e-01	9.9973e-01	1e-02	5e-03	8e-16	5e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	6e-16	5e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	5e-16	5e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1158e-01	4.0945e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9669e-01	9.9409e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9475e-01	9.9354e-01	1e-01	3e-02	3e-15	2e-03
4:	9.9995e-01	9.9994e-01	1e-03	3e-04	2e-16	2e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7807e-01	3.7627e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9642e-01	9.9376e-01	2e+00	5e-01	2e-15	6e-02
3:	9.8925e-01	9.8696e-01	2e-01	5e-02	2e-15	4e-03
4:	9.9989e-01	9.9987e-01	2e-03	6e-04	6e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.3501e-02	9.2853e-02	3e+00	8e-01	3e-16	1e-01
2:	4.0212e-01	3.9964e-01	9e-01	3e-01	4e-16	4e-02
3:	4.7927e-01	4.7841e-01	3e-01	8e-02	3e-16	1e-02
4:	4.9877e-01	4.9841e-01	8e-02	3e-02	4e-16	3e-03
5:	4.9896e-01	4.9885e-01	6e-03	2e-03	1e-15	2e-04
6:	4.9959e-01	4.9959e-01	6e-05	2e-05	4e-16	2e-06
7:	4.9959e-01	4.9959e-01	6e-07	2e-07	4e-16	2e-08
8:	4.9959e-01	4.9959e-01	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0625e-01	2.0542e-01	3e+00	9e-01	2e-16	1e-01
2:	8.0718e-01	8.0469e-01	1e+00	3e-01	9e-16	4e-02
3:	8.9609e-01	8.9351e-01	3e-01	8e-02	7e-16	9e-03
4:	9.0863e-01	9.0767e-01	7e-02	2e-02	6e-16	2e-03
5:	9.1443e-01	9.1441e-01	2e-03	5e-04	1e-15	4e-05
6:	9.1462e-01	9.1462e-01	2e-05	5e-06	6e-16	4e-07
7:	9.1462e-01	9.1462e-01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	3.3811e-01	3.3558e-01	4e+00	1e+00	2e-16	2e-01
2:	7.6665e-01	7.6484e-01	9e-01	3e-01	5e-16	3e-02
3:	8.4926e-01	8.4855e-01	3e-01	9e-02	5e-16	9e-03
4:	8.7259e-01	8.7238e-01	4e-02	1e-02	2e-15	1e-03
5:	8.7143e-01	8.7129e-01	2e-02	5e-03	1e-15	5e-04
6:	8.7466e-01	8.7466e-01	3e-04	9e-05	1e-15	8e-06
7:	8.7470e-01	8.7470e-01	3e-06	9e-07	2e-15	8e-08
8:	8.7470e-01	8.7470e-01	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1073e-01	3.0955e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9560e-01	9.9310e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6204e-01	9.5730e-01	3e-01	1e-01	1e-15	9e-03
4:	9.9964e-01	9.9957e-01	5e-03	2e-03	4e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1004e-01	3.0887e-01	3e+00	1e+00	1e-16	1e-01
2:	9.9555e-01	9.9309e-01	1e+00	3e-01	6e-16	4e-02
3:	9.6221e-01	9.5775e-01	3e-01	1e-01	4e-15	1e-02
4:	9.9964e-01	9.9958e-01	5e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	1e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2476e-01	1.2433e-01	2e+00	7e-01	2e-16	1e-01
2:	6.1151e-01	6.0922e-01	8e-01	2e-01	4e-16	3e-02
3:	6.0290e-01	5.9982e-01	2e-01	7e-02	7e-16	6e-03
4:	6.3000e-01	6.2959e-01	3e-02	9e-03	3e-16	8e-04
5:	6.3415e-01	6.3412e-01	1e-03	5e-04	2e-15	4e-05
6:	6.3424e-01	6.3424e-01	2e-04	6e-05	4e-14	5e-06
7:	6.3427e-01	6.3427e-01	2e-06	6e-07	2e-15	5e-08
8:	6.3427e-01	6.3427e-01	2e-08	6e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2984e-01	1.2936e-01	2e+00	8e-01	3e-16	1e-01
2:	6.2017e-01	6.1780e-01	9e-01	3e-01	3e-16	4e-02
3:	6.4359e-01	6.4223e-01	1e-01	4e-02	4e-16	4e-03
4:	6.6643e-01	6.6621e-01	2e-02	6e-03	5e-16	6e-04
5:	6.6761e-01	6.6757e-01	3e-03	9e-04	5e-15	9e-05
6:	6.6793e-01	6.6793e-01	3e-05	1e-05	6e-16	9e-07
7:	6.6793e-01	6.6793e-01	3e-07	1e-07	6e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0080e-01	2.0014e-01	3e+00	8e-01	2e-16	1e-01
2:	8.3658e-01	8.3412e-01	9e-01	3e-01	6e-16	4e-02
3:	9.2681e-01	9.2458e-01	2e-01	6e-02	1e-15	7e-03
4:	9.3649e-01	9.3607e-01	3e-02	8e-03	1e-15	7e-04

5:	9.3883e-01	9.3883e-01	3e-04	9e-05	1e-15	7e-06
6:	9.3886e-01	9.3886e-01	3e-06	9e-07	1e-15	7e-08
7:	9.3886e-01	9.3886e-01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7654e-01	1.7589e-01	3e+00	8e-01	2e-16	1e-01
2:	7.7735e-01	7.7487e-01	1e+00	3e-01	6e-16	4e-02
3:	8.9149e-01	8.9033e-01	3e-01	8e-02	5e-16	1e-02
4:	8.9605e-01	8.9568e-01	2e-02	7e-03	2e-15	6e-04
5:	8.9856e-01	8.9855e-01	2e-04	8e-05	5e-16	6e-06
6:	8.9858e-01	8.9858e-01	2e-06	8e-07	7e-16	6e-08
7:	8.9858e-01	8.9858e-01	2e-08	8e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4377e-01	3.4230e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9610e-01	9.9342e-01	2e+00	5e-01	2e-15	6e-02
3:	9.8033e-01	9.7662e-01	3e-01	8e-02	2e-15	6e-03
4:	9.9981e-01	9.9977e-01	3e-03	9e-04	5e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7589e-01	1.7538e-01	2e+00	8e-01	2e-16	1e-01
2:	8.2245e-01	8.2006e-01	9e-01	3e-01	3e-16	4e-02
3:	9.1126e-01	9.0946e-01	3e-01	9e-02	4e-16	1e-02
4:	9.2120e-01	9.2009e-01	1e-01	3e-02	2e-15	3e-03
5:	9.3204e-01	9.3171e-01	3e-02	9e-03	1e-15	9e-04
6:	9.3369e-01	9.3367e-01	7e-04	2e-04	2e-15	2e-05
7:	9.3375e-01	9.3375e-01	7e-06	2e-06	2e-15	2e-07
8:	9.3375e-01	9.3375e-01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	8.1029e-02	8.0866e-02	2e+00	5e-01	3e-16	8e-02
2:	5.5500e-01	5.5300e-01	5e-01	2e-01	4e-16	2e-02
3:	5.5960e-01	5.5796e-01	8e-02	3e-02	7e-16	2e-03
4:	5.7026e-01	5.7021e-01	2e-03	7e-04	5e-16	5e-05
5:	5.7055e-01	5.7055e-01	2e-05	7e-06	3e-16	5e-07
6:	5.7055e-01	5.7055e-01	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0500e-01	2.0437e-01	3e+00	8e-01	2e-16	1e-01
2:	8.5569e-01	8.5330e-01	9e-01	3e-01	6e-16	3e-02
3:	8.8023e-01	8.7848e-01	3e-01	8e-02	1e-15	1e-02

4:	9.1164e-01	9.1134e-01	4e-02	1e-02	4e-16	2e-03
5:	9.1344e-01	9.1335e-01	8e-03	2e-03	7e-15	2e-04
6:	9.1408e-01	9.1408e-01	8e-05	3e-05	9e-16	2e-06
7:	9.1409e-01	9.1409e-01	8e-07	3e-07	7e-16	2e-08
8:	9.1409e-01	9.1409e-01	8e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.3330e-01	4.3210e-01	3e+00	1e+00	2e-16	1e-01
2:	1.3685e+00	1.3660e+00	1e+00	4e-01	4e-16	4e-02
3:	1.4878e+00	1.4846e+00	2e-01	8e-02	1e-15	7e-03
4:	1.4873e+00	1.4854e+00	1e-01	4e-02	4e-15	4e-03
5:	1.5038e+00	1.5036e+00	2e-02	5e-03	2e-15	4e-04
6:	1.5063e+00	1.5063e+00	2e-04	5e-05	1e-15	4e-06
7:	1.5063e+00	1.5063e+00	2e-06	5e-07	8e-16	4e-08
8:	1.5063e+00	1.5063e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.0855e-01	3.0696e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0146e+00	1.0123e+00	1e+00	4e-01	8e-16	4e-02
3:	1.1411e+00	1.1389e+00	4e-01	1e-01	1e-15	1e-02
4:	1.1582e+00	1.1572e+00	8e-02	3e-02	1e-15	2e-03
5:	1.1636e+00	1.1636e+00	2e-03	6e-04	9e-16	5e-05
6:	1.1638e+00	1.1638e+00	2e-05	6e-06	8e-16	5e-07
7:	1.1638e+00	1.1638e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5034e-01	2.4960e-01	3e+00	9e-01	2e-16	1e-01
2:	9.7109e-01	9.6863e-01	9e-01	3e-01	5e-16	4e-02
3:	1.0357e+00	1.0331e+00	2e-01	6e-02	1e-15	5e-03
4:	1.0405e+00	1.0395e+00	6e-02	2e-02	4e-15	2e-03
5:	1.0484e+00	1.0484e+00	1e-03	3e-04	7e-16	3e-05
6:	1.0486e+00	1.0486e+00	1e-05	3e-06	8e-16	3e-07
7:	1.0486e+00	1.0486e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.1830e-01	2.1692e-01	4e+00	1e+00	2e-16	1e-01
2:	7.0712e-01	7.0450e-01	1e+00	4e-01	6e-16	5e-02
3:	8.4852e-01	8.4755e-01	3e-01	1e-01	5e-16	1e-02
4:	8.6662e-01	8.6619e-01	9e-02	3e-02	7e-16	3e-03
5:	8.6798e-01	8.6793e-01	4e-03	1e-03	2e-15	1e-04
6:	8.6830e-01	8.6830e-01	4e-05	1e-05	8e-16	1e-06
7:	8.6831e-01	8.6831e-01	4e-07	1e-07	1e-15	1e-08
8:	8.6831e-01	8.6831e-01	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.4684e-01	4.4493e-01	4e+00	1e+00	3e-16	2e-01
2:	1.1703e+00	1.1680e+00	1e+00	4e-01	9e-16	5e-02
3:	1.1929e+00	1.1899e+00	4e-01	1e-01	8e-16	1e-02
4:	1.2421e+00	1.2417e+00	5e-02	1e-02	2e-16	1e-03
5:	1.2453e+00	1.2453e+00	2e-03	6e-04	4e-15	5e-05
6:	1.2455e+00	1.2455e+00	2e-05	6e-06	6e-16	5e-07
7:	1.2455e+00	1.2455e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.4752e-01	4.4629e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4289e+00	1.4264e+00	1e+00	3e-01	6e-16	4e-02
3:	1.4070e+00	1.4041e+00	3e-01	9e-02	9e-16	9e-03
4:	1.4512e+00	1.4509e+00	3e-02	1e-02	5e-16	1e-03
5:	1.4541e+00	1.4539e+00	1e-02	4e-03	5e-15	4e-04
6:	1.4576e+00	1.4576e+00	3e-04	1e-04	6e-16	9e-06
7:	1.4577e+00	1.4577e+00	3e-06	1e-06	7e-16	9e-08
8:	1.4577e+00	1.4577e+00	3e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.2789e-01	6.2605e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7034e+00	1.7011e+00	1e+00	4e-01	1e-15	5e-02
3:	1.8175e+00	1.8150e+00	4e-01	1e-01	2e-15	1e-02
4:	1.8378e+00	1.8377e+00	2e-02	6e-03	1e-15	6e-04
5:	1.8397e+00	1.8397e+00	2e-04	6e-05	1e-15	6e-06
6:	1.8397e+00	1.8397e+00	2e-06	6e-07	1e-15	6e-08
7:	1.8397e+00	1.8397e+00	2e-08	6e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.5248e-01	1.5195e-01	2e+00	8e-01	2e-16	1e-01
2:	7.2186e-01	7.1961e-01	8e-01	3e-01	5e-16	3e-02
3:	7.4979e-01	7.4596e-01	3e-01	9e-02	2e-15	8e-03
4:	7.9302e-01	7.9198e-01	7e-02	2e-02	7e-16	2e-03
5:	8.0016e-01	8.0007e-01	5e-03	2e-03	3e-15	1e-04
6:	8.0059e-01	8.0059e-01	6e-05	2e-05	8e-15	1e-06
7:	8.0060e-01	8.0060e-01	6e-07	2e-07	5e-15	1e-08
8:	8.0060e-01	8.0060e-01	6e-09	2e-09	6e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.3955e-01	5.3780e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5835e+00	1.5813e+00	1e+00	3e-01	5e-16	4e-02
3:	1.6659e+00	1.6626e+00	6e-01	2e-01	3e-15	2e-02
4:	1.7315e+00	1.7308e+00	9e-02	3e-02	9e-16	3e-03

5:	1.7378e+00	1.7378e+00	1e-03	4e-04	2e-15	4e-05
6:	1.7379e+00	1.7379e+00	1e-05	4e-06	1e-15	4e-07
7:	1.7379e+00	1.7379e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.0374e-01	6.0116e-01	5e+00	1e+00	2e-16	2e-01
2:	1.3230e+00	1.3205e+00	2e+00	6e-01	8e-16	6e-02
3:	1.3367e+00	1.3350e+00	4e-01	1e-01	2e-15	1e-02
4:	1.4032e+00	1.4023e+00	1e-01	4e-02	8e-16	4e-03
5:	1.4031e+00	1.4026e+00	6e-02	2e-02	2e-15	2e-03
6:	1.4066e+00	1.4066e+00	6e-03	2e-03	1e-15	2e-04
7:	1.4075e+00	1.4075e+00	7e-04	2e-04	8e-16	2e-05
8:	1.4075e+00	1.4075e+00	1e-04	3e-05	2e-14	3e-06
9:	1.4075e+00	1.4075e+00	1e-06	3e-07	2e-15	3e-08
10:	1.4075e+00	1.4075e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4961e-01	5.4730e-01	4e+00	1e+00	3e-16	2e-01
2:	1.3101e+00	1.3078e+00	2e+00	5e-01	1e-15	5e-02
3:	1.4357e+00	1.4342e+00	3e-01	8e-02	6e-16	8e-03
4:	1.4417e+00	1.4410e+00	8e-02	3e-02	2e-15	2e-03
5:	1.4507e+00	1.4507e+00	1e-03	3e-04	9e-16	3e-05
6:	1.4509e+00	1.4509e+00	1e-05	3e-06	7e-16	3e-07
7:	1.4509e+00	1.4509e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0179e-01	3.0065e-01	3e+00	1e+00	2e-16	1e-01
2:	9.6268e-01	9.6018e-01	1e+00	4e-01	8e-16	5e-02
3:	1.0656e+00	1.0641e+00	2e-01	7e-02	2e-15	7e-03
4:	1.0717e+00	1.0713e+00	3e-02	1e-02	1e-15	9e-04
5:	1.0746e+00	1.0746e+00	3e-04	1e-04	5e-16	9e-06
6:	1.0746e+00	1.0746e+00	3e-06	1e-06	6e-16	9e-08
7:	1.0746e+00	1.0746e+00	3e-08	1e-08	3e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.4501e-02	9.4108e-02	2e+00	7e-01	2e-16	1e-01
2:	4.8881e-01	4.8651e-01	8e-01	3e-01	2e-16	3e-02
3:	5.1929e-01	5.1737e-01	2e-01	5e-02	8e-16	6e-03
4:	5.3599e-01	5.3568e-01	2e-02	7e-03	2e-16	7e-04
5:	5.3823e-01	5.3818e-01	3e-03	8e-04	8e-15	7e-05
6:	5.3848e-01	5.3848e-01	4e-05	1e-05	2e-15	1e-06
7:	5.3849e-01	5.3849e-01	4e-07	1e-07	2e-15	1e-08
8:	5.3849e-01	5.3849e-01	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.2402e-01	2.2291e-01	3e+00	1e+00	2e-16	1e-01
2:	7.3292e-01	7.3034e-01	1e+00	4e-01	4e-16	5e-02
3:	7.2590e-01	7.2310e-01	2e-01	6e-02	5e-16	4e-03
4:	7.5046e-01	7.4992e-01	3e-02	1e-02	4e-16	9e-04
5:	7.5393e-01	7.5375e-01	1e-02	4e-03	6e-16	3e-04
6:	7.5472e-01	7.5471e-01	2e-04	7e-05	1e-15	6e-06
7:	7.5474e-01	7.5474e-01	2e-06	7e-07	5e-16	6e-08
8:	7.5474e-01	7.5474e-01	2e-08	7e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.6070e-01	5.5817e-01	5e+00	1e+00	2e-16	2e-01
2:	1.2345e+00	1.2322e+00	2e+00	5e-01	3e-15	6e-02
3:	1.3402e+00	1.3394e+00	2e-01	5e-02	5e-16	5e-03
4:	1.3545e+00	1.3545e+00	6e-03	2e-03	1e-15	2e-04
5:	1.3551e+00	1.3551e+00	6e-05	2e-05	6e-16	2e-06
6:	1.3552e+00	1.3552e+00	6e-07	2e-07	3e-16	2e-08
7:	1.3552e+00	1.3552e+00	6e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.4611e-01	7.4411e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9401e+00	1.9378e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9179e+00	1.9141e+00	6e-01	2e-01	8e-15	2e-02
4:	1.9856e+00	1.9850e+00	9e-02	3e-02	1e-15	3e-03
5:	1.9989e+00	1.9987e+00	2e-02	7e-03	1e-15	7e-04
6:	1.9981e+00	1.9979e+00	2e-02	7e-03	9e-14	6e-04
7:	2.0000e+00	1.9999e+00	5e-03	2e-03	9e-14	1e-04
8:	2.0000e+00	2.0000e+00	2e-04	6e-05	4e-13	5e-06
9:	2.0000e+00	2.0000e+00	2e-06	6e-07	7e-14	5e-08
10:	2.0000e+00	2.0000e+00	2e-08	6e-09	5e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.4313e-01	3.4191e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2066e+00	1.2042e+00	8e-01	3e-01	7e-16	3e-02
3:	1.3152e+00	1.3141e+00	3e-01	8e-02	1e-15	9e-03
4:	1.3152e+00	1.3142e+00	8e-02	2e-02	3e-15	2e-03
5:	1.3256e+00	1.3256e+00	2e-03	7e-04	2e-15	5e-05
6:	1.3258e+00	1.3258e+00	2e-05	7e-06	5e-15	5e-07
7:	1.3258e+00	1.3258e+00	2e-07	7e-08	6e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.2883e-01	6.2736e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8408e+00	1.8384e+00	1e+00	3e-01	9e-16	4e-02

3:	1.9362e+00	1.9349e+00	3e-01	8e-02	1e-15	9e-03
4:	1.9494e+00	1.9493e+00	2e-02	6e-03	4e-15	7e-04
5:	1.9512e+00	1.9512e+00	2e-04	6e-05	1e-15	7e-06
6:	1.9512e+00	1.9512e+00	2e-06	6e-07	1e-15	7e-08
7:	1.9512e+00	1.9512e+00	2e-08	6e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1718e-01	3.1627e-01	3e+00	9e-01	2e-16	1e-01
2:	1.1379e+00	1.1354e+00	1e+00	4e-01	6e-16	5e-02
3:	1.1853e+00	1.1826e+00	2e-01	7e-02	1e-15	7e-03
4:	1.2180e+00	1.2175e+00	4e-02	1e-02	5e-16	1e-03
5:	1.2194e+00	1.2193e+00	1e-02	4e-03	4e-15	3e-04
6:	1.2207e+00	1.2207e+00	2e-04	5e-05	6e-16	4e-06
7:	1.2207e+00	1.2207e+00	2e-06	5e-07	9e-16	4e-08
8:	1.2207e+00	1.2207e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2838e-01	4.2687e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2904e+00	1.2882e+00	9e-01	3e-01	7e-16	3e-02
3:	1.3338e+00	1.3327e+00	2e-01	5e-02	1e-15	5e-03
4:	1.3380e+00	1.3379e+00	1e-02	4e-03	4e-15	4e-04
5:	1.3391e+00	1.3391e+00	1e-04	4e-05	6e-16	4e-06
6:	1.3391e+00	1.3391e+00	1e-06	4e-07	9e-16	4e-08
7:	1.3391e+00	1.3391e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.0088e-01	4.9908e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3100e+00	1.3078e+00	1e+00	3e-01	1e-15	4e-02
3:	1.4161e+00	1.4150e+00	2e-01	6e-02	5e-16	7e-03
4:	1.4257e+00	1.4255e+00	1e-02	4e-03	4e-15	4e-04
5:	1.4271e+00	1.4271e+00	1e-04	4e-05	5e-16	4e-06
6:	1.4271e+00	1.4271e+00	1e-06	4e-07	3e-16	4e-08
7:	1.4271e+00	1.4271e+00	1e-08	4e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5916e-01	6.5663e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7491e+00	1.7470e+00	1e+00	3e-01	3e-15	4e-02
3:	1.7902e+00	1.7882e+00	3e-01	1e-01	2e-15	1e-02
4:	1.8349e+00	1.8346e+00	5e-02	2e-02	1e-15	1e-03
5:	1.8436e+00	1.8436e+00	6e-04	2e-04	4e-16	2e-05
6:	1.8437e+00	1.8437e+00	6e-06	2e-06	6e-16	2e-07
7:	1.8437e+00	1.8437e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8326e-01	8.7993e-01	5e+00	2e+00	2e-16	2e-01
2:	1.5089e+00	1.5062e+00	1e+00	4e-01	3e-15	4e-02
3:	1.5714e+00	1.5708e+00	2e-01	7e-02	1e-15	7e-03
4:	1.6078e+00	1.6077e+00	5e-02	2e-02	1e-15	1e-03
5:	1.6146e+00	1.6146e+00	6e-03	2e-03	7e-16	2e-04
6:	1.6145e+00	1.6144e+00	3e-03	8e-04	3e-15	7e-05
7:	1.6148e+00	1.6148e+00	3e-05	1e-05	2e-15	9e-07
8:	1.6149e+00	1.6149e+00	3e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.3559e-01	6.3353e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7673e+00	1.7654e+00	8e-01	3e-01	8e-16	3e-02
3:	1.7418e+00	1.7392e+00	5e-01	1e-01	3e-15	2e-02
4:	1.8140e+00	1.8137e+00	5e-02	2e-02	9e-16	2e-03
5:	1.8185e+00	1.8185e+00	8e-04	3e-04	4e-15	3e-05
6:	1.8186e+00	1.8186e+00	8e-06	3e-06	1e-15	3e-07
7:	1.8186e+00	1.8186e+00	8e-08	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.4228e-01	4.4110e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4008e+00	1.3984e+00	1e+00	3e-01	1e-15	4e-02
3:	1.3878e+00	1.3850e+00	2e-01	7e-02	3e-15	6e-03
4:	1.4233e+00	1.4228e+00	4e-02	1e-02	8e-16	1e-03
5:	1.4284e+00	1.4283e+00	4e-03	1e-03	5e-16	1e-04
6:	1.4288e+00	1.4288e+00	5e-05	1e-05	8e-16	1e-06
7:	1.4288e+00	1.4288e+00	5e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7122e-01	1.7078e-01	2e+00	7e-01	2e-16	1e-01
2:	8.1911e-01	8.1677e-01	7e-01	2e-01	4e-16	3e-02
3:	8.6319e-01	8.6148e-01	2e-01	6e-02	2e-15	7e-03
4:	8.8172e-01	8.8165e-01	5e-03	2e-03	8e-16	1e-04
5:	8.8221e-01	8.8221e-01	5e-05	2e-05	7e-16	1e-06
6:	8.8221e-01	8.8221e-01	5e-07	2e-07	1e-15	1e-08
7:	8.8221e-01	8.8221e-01	5e-09	2e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.6556e-01	5.6289e-01	5e+00	1e+00	2e-16	2e-01
2:	1.2739e+00	1.2717e+00	1e+00	5e-01	5e-16	5e-02
3:	1.4462e+00	1.4453e+00	4e-01	1e-01	1e-15	1e-02
4:	1.4547e+00	1.4543e+00	4e-02	1e-02	5e-15	1e-03
5:	1.4589e+00	1.4589e+00	5e-04	1e-04	1e-15	1e-05
6:	1.4590e+00	1.4590e+00	5e-06	1e-06	7e-16	1e-07

7: 1.4590e+00 1.4590e+00 5e-08 1e-08 5e-16 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.0269e-01	5.0065e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4140e+00	1.4118e+00	1e+00	3e-01	5e-16	4e-02
3:	1.4106e+00	1.4069e+00	5e-01	2e-01	4e-15	2e-02
4:	1.4666e+00	1.4653e+00	2e-01	5e-02	2e-15	5e-03
5:	1.4758e+00	1.4752e+00	8e-02	2e-02	1e-15	2e-03
6:	1.4756e+00	1.4750e+00	6e-02	2e-02	2e-15	2e-03
7:	1.4811e+00	1.4811e+00	2e-03	6e-04	2e-15	5e-05
8:	1.4812e+00	1.4812e+00	2e-05	6e-06	2e-15	5e-07
9:	1.4812e+00	1.4812e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7052e-01	1.6989e-01	3e+00	8e-01	3e-16	1e-01
2:	7.0334e-01	7.0091e-01	1e+00	3e-01	6e-16	4e-02
3:	6.7679e-01	6.7189e-01	3e-01	9e-02	2e-15	7e-03
4:	7.0857e-01	7.0764e-01	5e-02	2e-02	5e-16	1e-03
5:	7.1683e-01	7.1656e-01	2e-02	5e-03	1e-15	4e-04
6:	7.1839e-01	7.1838e-01	6e-04	2e-04	6e-16	2e-05
7:	7.1844e-01	7.1844e-01	6e-06	2e-06	7e-16	2e-07
8:	7.1844e-01	7.1844e-01	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.2369e-01	2.2309e-01	3e+00	8e-01	2e-16	1e-01
2:	9.6951e-01	9.6710e-01	9e-01	3e-01	5e-16	4e-02
3:	1.0097e+00	1.0054e+00	4e-01	1e-01	8e-16	1e-02
4:	1.0665e+00	1.0655e+00	1e-01	3e-02	5e-16	3e-03
5:	1.0655e+00	1.0646e+00	7e-02	2e-02	1e-14	2e-03
6:	1.0718e+00	1.0717e+00	6e-03	2e-03	6e-15	2e-04
7:	1.0726e+00	1.0726e+00	6e-05	2e-05	1e-15	2e-06
8:	1.0726e+00	1.0726e+00	6e-07	2e-07	1e-15	2e-08
9:	1.0726e+00	1.0726e+00	6e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.5564e-01	2.5445e-01	3e+00	1e+00	2e-16	1e-01
2:	8.1586e-01	8.1350e-01	9e-01	3e-01	6e-16	3e-02
3:	8.8043e-01	8.7906e-01	2e-01	6e-02	1e-15	6e-03
4:	8.9449e-01	8.9428e-01	2e-02	7e-03	2e-15	7e-04
5:	8.9533e-01	8.9533e-01	2e-04	7e-05	8e-15	7e-06
6:	8.9534e-01	8.9534e-01	2e-06	7e-07	4e-15	7e-08
7:	8.9534e-01	8.9534e-01	2e-08	7e-09	1e-14	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7438e-01	5.7240e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5198e+00	1.5174e+00	1e+00	4e-01	1e-15	5e-02
3:	1.6211e+00	1.6199e+00	3e-01	1e-01	2e-15	1e-02
4:	1.6353e+00	1.6353e+00	6e-03	2e-03	2e-15	2e-04
5:	1.6357e+00	1.6357e+00	6e-05	2e-05	1e-15	2e-06
6:	1.6357e+00	1.6357e+00	6e-07	2e-07	1e-15	2e-08
7:	1.6357e+00	1.6357e+00	6e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1140e+00	1.1107e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9140e+00	1.9124e+00	1e+00	3e-01	6e-16	3e-02
3:	1.9787e+00	1.9783e+00	1e-01	4e-02	4e-15	3e-03
4:	1.9998e+00	1.9998e+00	1e-03	4e-04	4e-16	4e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	4e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7787e-01	1.7732e-01	2e+00	8e-01	2e-16	1e-01
2:	7.8212e-01	7.7972e-01	9e-01	3e-01	5e-16	4e-02
3:	7.7537e-01	7.7116e-01	3e-01	1e-01	2e-15	9e-03
4:	8.2577e-01	8.2445e-01	1e-01	3e-02	7e-16	3e-03
5:	8.2776e-01	8.2693e-01	5e-02	2e-02	6e-15	1e-03
6:	8.3527e-01	8.3525e-01	2e-03	5e-04	2e-15	4e-05
7:	8.3549e-01	8.3549e-01	2e-05	5e-06	2e-15	4e-07
8:	8.3549e-01	8.3549e-01	2e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	4.8048e-02	4.7885e-02	2e+00	5e-01	2e-16	8e-02
2:	3.7205e-01	3.7004e-01	5e-01	2e-01	4e-16	2e-02
3:	4.2348e-01	4.2271e-01	2e-01	6e-02	3e-16	7e-03
4:	4.2575e-01	4.2531e-01	2e-02	7e-03	2e-15	6e-04
5:	4.2805e-01	4.2805e-01	2e-04	7e-05	8e-16	6e-06
6:	4.2808e-01	4.2807e-01	2e-06	7e-07	1e-15	6e-08
7:	4.2808e-01	4.2808e-01	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7013e-01	8.6747e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8340e+00	1.8317e+00	2e+00	5e-01	3e-15	6e-02
3:	1.9313e+00	1.9289e+00	4e-01	1e-01	3e-15	1e-02
4:	1.9967e+00	1.9962e+00	7e-02	2e-02	1e-15	2e-03
5:	1.9967e+00	1.9964e+00	3e-02	1e-02	2e-14	9e-04
6:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-15	1e-05
7:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-15	1e-07

8:	2.0000e+00	2.0000e+00	4e-08	1e-08	8e-15	1e-09
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7573e-01	5.7406e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6998e+00	1.6974e+00	1e+00	4e-01	1e-15	5e-02
3:	1.8888e+00	1.8873e+00	3e-01	9e-02	9e-16	1e-02
4:	1.8979e+00	1.8976e+00	3e-02	1e-02	3e-15	1e-03
5:	1.8974e+00	1.8973e+00	7e-03	2e-03	9e-14	2e-04
6:	1.8980e+00	1.8980e+00	4e-04	1e-04	8e-15	1e-05
7:	1.8980e+00	1.8980e+00	4e-06	1e-06	3e-14	1e-07
8:	1.8980e+00	1.8980e+00	4e-08	1e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.3376e-01	3.3230e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0020e+00	9.9939e-01	1e+00	5e-01	5e-16	6e-02
3:	1.0966e+00	1.0938e+00	4e-01	1e-01	2e-15	1e-02
4:	1.1351e+00	1.1345e+00	7e-02	2e-02	6e-16	2e-03
5:	1.1362e+00	1.1360e+00	2e-02	5e-03	2e-15	4e-04
6:	1.1382e+00	1.1382e+00	2e-04	5e-05	5e-16	4e-06
7:	1.1382e+00	1.1382e+00	2e-06	5e-07	4e-16	4e-08
8:	1.1382e+00	1.1382e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.9817e-01	9.9506e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9743e+00	1.9726e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9947e+00	1.9942e+00	6e-02	2e-02	3e-15	2e-03
4:	1.9999e+00	1.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	2e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.2042e-01	5.1829e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2606e+00	1.2581e+00	2e+00	5e-01	2e-15	6e-02
3:	1.3862e+00	1.3847e+00	2e-01	7e-02	2e-15	7e-03
4:	1.4092e+00	1.4089e+00	4e-02	1e-02	1e-15	1e-03
5:	1.4110e+00	1.4110e+00	4e-04	1e-04	6e-15	1e-05
6:	1.4110e+00	1.4110e+00	4e-06	1e-06	2e-15	1e-07
7:	1.4110e+00	1.4110e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2565e-01	5.2328e-01	4e+00	1e+00	2e-16	2e-01
2:	1.3056e+00	1.3032e+00	1e+00	5e-01	6e-16	5e-02
3:	1.5101e+00	1.5090e+00	5e-01	2e-01	2e-15	2e-02

4:	1.5379e+00	1.5374e+00	1e-01	3e-02	1e-15	3e-03
5:	1.5408e+00	1.5408e+00	1e-03	4e-04	1e-15	4e-05
6:	1.5409e+00	1.5409e+00	1e-05	4e-06	7e-16	4e-07
7:	1.5409e+00	1.5409e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.4047e-01	4.3877e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2053e+00	1.2028e+00	1e+00	4e-01	2e-15	5e-02
3:	1.3624e+00	1.3603e+00	3e-01	8e-02	2e-15	8e-03
4:	1.3614e+00	1.3599e+00	2e-01	5e-02	5e-15	4e-03
5:	1.3773e+00	1.3771e+00	3e-02	9e-03	9e-16	9e-04
6:	1.3796e+00	1.3796e+00	4e-04	1e-04	3e-15	1e-05
7:	1.3796e+00	1.3796e+00	4e-06	1e-06	1e-15	1e-07
8:	1.3796e+00	1.3796e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.9816e-01	4.9682e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4929e+00	1.4905e+00	1e+00	3e-01	1e-15	4e-02
3:	1.5553e+00	1.5538e+00	1e-01	4e-02	2e-15	4e-03
4:	1.5630e+00	1.5630e+00	2e-03	5e-04	6e-16	4e-05
5:	1.5631e+00	1.5631e+00	2e-05	5e-06	1e-15	4e-07
6:	1.5631e+00	1.5631e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5313e-01	7.5005e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4542e+00	1.4519e+00	2e+00	5e-01	4e-15	5e-02
3:	1.5733e+00	1.5728e+00	2e-01	7e-02	2e-15	7e-03
4:	1.5939e+00	1.5937e+00	6e-02	2e-02	1e-15	2e-03
5:	1.5948e+00	1.5948e+00	2e-03	5e-04	4e-15	4e-05
6:	1.5950e+00	1.5950e+00	2e-05	5e-06	1e-15	4e-07
7:	1.5950e+00	1.5950e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.3645e-01	4.3534e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4795e+00	1.4770e+00	1e+00	4e-01	5e-16	4e-02
3:	1.5889e+00	1.5858e+00	4e-01	1e-01	2e-15	1e-02
4:	1.6123e+00	1.6114e+00	1e-01	3e-02	1e-15	3e-03
5:	1.6163e+00	1.6163e+00	2e-03	5e-04	1e-15	5e-05
6:	1.6165e+00	1.6165e+00	2e-05	5e-06	1e-15	5e-07
7:	1.6165e+00	1.6165e+00	2e-07	5e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2882e-01	3.2767e-01	3e+00	1e+00	2e-16	1e-01

2:	1.1222e+00	1.1197e+00	1e+00	4e-01	8e-16	4e-02
3:	1.1703e+00	1.1682e+00	4e-01	1e-01	1e-15	1e-02
4:	1.2093e+00	1.2087e+00	8e-02	3e-02	8e-16	3e-03
5:	1.2143e+00	1.2143e+00	1e-03	4e-04	2e-15	4e-05
6:	1.2144e+00	1.2144e+00	1e-05	4e-06	8e-16	4e-07
7:	1.2144e+00	1.2144e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3743e-01	3.3637e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2340e+00	1.2315e+00	1e+00	3e-01	5e-16	4e-02
3:	1.2377e+00	1.2345e+00	3e-01	8e-02	3e-15	8e-03
4:	1.2712e+00	1.2711e+00	4e-03	1e-03	4e-16	1e-04
5:	1.2716e+00	1.2716e+00	4e-05	1e-05	5e-16	1e-06
6:	1.2716e+00	1.2716e+00	4e-07	1e-07	4e-16	1e-08
7:	1.2716e+00	1.2716e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8133e-01	2.8043e-01	3e+00	9e-01	2e-16	1e-01
2:	1.0877e+00	1.0852e+00	9e-01	3e-01	4e-16	3e-02
3:	1.0861e+00	1.0832e+00	4e-01	1e-01	1e-15	1e-02
4:	1.1266e+00	1.1264e+00	2e-02	6e-03	7e-16	7e-04
5:	1.1277e+00	1.1277e+00	2e-04	6e-05	1e-15	7e-06
6:	1.1277e+00	1.1277e+00	2e-06	6e-07	8e-16	7e-08
7:	1.1277e+00	1.1277e+00	2e-08	6e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3509e-01	1.3431e-01	3e+00	9e-01	2e-16	1e-01
2:	5.1320e-01	5.1069e-01	1e+00	3e-01	7e-16	4e-02
3:	5.2316e-01	5.2153e-01	1e-01	5e-02	9e-16	5e-03
4:	5.4788e-01	5.4740e-01	4e-02	1e-02	6e-16	1e-03
5:	5.5092e-01	5.5083e-01	7e-03	2e-03	8e-16	2e-04
6:	5.5121e-01	5.5121e-01	8e-05	2e-05	2e-15	2e-06
7:	5.5121e-01	5.5121e-01	8e-07	2e-07	1e-15	2e-08
8:	5.5121e-01	5.5121e-01	8e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.6074e-01	5.5908e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5512e+00	1.5488e+00	1e+00	4e-01	1e-15	5e-02
3:	1.5794e+00	1.5751e+00	4e-01	1e-01	2e-15	1e-02
4:	1.6263e+00	1.6259e+00	3e-02	1e-02	7e-16	9e-04
5:	1.6305e+00	1.6305e+00	4e-04	1e-04	6e-16	9e-06
6:	1.6305e+00	1.6305e+00	4e-06	1e-06	4e-16	9e-08
7:	1.6305e+00	1.6305e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.1154e-01	3.0954e-01	4e+00	1e+00	2e-16	2e-01
2:	9.4450e-01	9.4238e-01	8e-01	2e-01	3e-16	3e-02
3:	9.3441e-01	9.3251e-01	2e-01	6e-02	3e-15	6e-03
4:	9.6617e-01	9.6589e-01	3e-02	8e-03	5e-16	7e-04
5:	9.6839e-01	9.6832e-01	6e-03	2e-03	1e-14	2e-04
6:	9.6984e-01	9.6984e-01	9e-05	3e-05	6e-16	2e-06
7:	9.6985e-01	9.6985e-01	9e-07	3e-07	2e-15	2e-08
8:	9.6985e-01	9.6985e-01	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1570e+00	1.1537e+00	5e+00	2e+00	2e-16	2e-01
2:	2.0821e+00	2.0794e+00	2e+00	6e-01	4e-15	6e-02
3:	2.2731e+00	2.2723e+00	3e-01	8e-02	6e-16	8e-03
4:	2.3187e+00	2.3185e+00	3e-02	1e-02	4e-15	8e-04
5:	2.3216e+00	2.3216e+00	7e-04	2e-04	1e-14	2e-05
6:	2.3217e+00	2.3217e+00	7e-06	2e-06	1e-14	2e-07
7:	2.3217e+00	2.3217e+00	7e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3582e-01	7.3317e-01	5e+00	1e+00	2e-16	2e-01
2:	2.0102e+00	2.0082e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9848e+00	1.9812e+00	5e-01	2e-01	4e-15	2e-02
4:	2.0590e+00	2.0583e+00	1e-01	3e-02	9e-16	3e-03
5:	2.0653e+00	2.0649e+00	5e-02	2e-02	3e-15	1e-03
6:	2.0724e+00	2.0724e+00	8e-04	3e-04	6e-16	2e-05
7:	2.0725e+00	2.0725e+00	8e-06	3e-06	5e-16	2e-07
8:	2.0725e+00	2.0725e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0356e-01	3.0219e-01	3e+00	1e+00	2e-16	1e-01
2:	9.2331e-01	9.2076e-01	1e+00	4e-01	4e-16	5e-02
3:	1.0313e+00	1.0298e+00	2e-01	7e-02	7e-16	7e-03
4:	1.0592e+00	1.0588e+00	5e-02	1e-02	1e-15	1e-03
5:	1.0606e+00	1.0606e+00	4e-03	1e-03	5e-15	1e-04
6:	1.0610e+00	1.0610e+00	4e-05	1e-05	9e-16	1e-06
7:	1.0610e+00	1.0610e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1610e+00	1.1577e+00	5e+00	2e+00	2e-16	2e-01
2:	2.0209e+00	2.0183e+00	2e+00	6e-01	1e-15	6e-02
3:	2.1768e+00	2.1760e+00	3e-01	9e-02	2e-15	9e-03
4:	2.2001e+00	2.2000e+00	3e-02	1e-02	1e-15	9e-04

5:	2.2019e+00	2.2019e+00	3e-04	1e-04	1e-15	9e-06
6:	2.2019e+00	2.2019e+00	3e-06	1e-06	1e-15	9e-08
7:	2.2019e+00	2.2019e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.5483e-01	4.5377e-01	3e+00	1e+00	2e-16	1e-01
2:	1.6348e+00	1.6325e+00	8e-01	3e-01	5e-16	3e-02
3:	1.6102e+00	1.6070e+00	4e-01	1e-01	4e-15	1e-02
4:	1.6724e+00	1.6718e+00	6e-02	2e-02	1e-15	2e-03
5:	1.6787e+00	1.6785e+00	1e-02	4e-03	7e-15	4e-04
6:	1.6802e+00	1.6802e+00	1e-04	4e-05	7e-16	4e-06
7:	1.6803e+00	1.6803e+00	1e-06	4e-07	2e-15	4e-08
8:	1.6803e+00	1.6803e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4520e-01	3.4342e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0448e+00	1.0422e+00	1e+00	4e-01	2e-15	5e-02
3:	1.2440e+00	1.2428e+00	5e-01	1e-01	8e-16	2e-02
4:	1.2335e+00	1.2318e+00	1e-01	5e-02	1e-15	4e-03
5:	1.2551e+00	1.2551e+00	4e-03	1e-03	4e-16	1e-04
6:	1.2556e+00	1.2556e+00	4e-05	1e-05	8e-16	1e-06
7:	1.2556e+00	1.2556e+00	4e-07	1e-07	3e-16	1e-08
8:	1.2556e+00	1.2556e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.5252e-01	3.5121e-01	3e+00	1e+00	2e-16	1e-01
2:	1.1864e+00	1.1839e+00	1e+00	3e-01	1e-15	4e-02
3:	1.3336e+00	1.3326e+00	4e-01	1e-01	5e-16	1e-02
4:	1.3462e+00	1.3451e+00	9e-02	3e-02	3e-15	2e-03
5:	1.3529e+00	1.3528e+00	6e-03	2e-03	2e-15	1e-04
6:	1.3534e+00	1.3534e+00	9e-05	3e-05	7e-15	2e-06
7:	1.3534e+00	1.3534e+00	9e-07	3e-07	2e-15	2e-08
8:	1.3534e+00	1.3534e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0414e-01	4.0256e-01	4e+00	1e+00	2e-16	1e-01
2:	1.1344e+00	1.1318e+00	2e+00	5e-01	2e-15	6e-02
3:	1.1605e+00	1.1567e+00	4e-01	1e-01	3e-15	1e-02
4:	1.2411e+00	1.2401e+00	1e-01	3e-02	1e-15	3e-03
5:	1.2459e+00	1.2456e+00	2e-02	7e-03	3e-15	6e-04
6:	1.2488e+00	1.2487e+00	2e-03	5e-04	2e-15	4e-05
7:	1.2489e+00	1.2489e+00	1e-04	5e-05	6e-14	4e-06
8:	1.2489e+00	1.2489e+00	2e-06	5e-07	5e-15	4e-08
9:	1.2489e+00	1.2489e+00	2e-08	5e-09	5e-15	4e-10



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.1698e-01	8.1406e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0354e+00	2.0333e+00	1e+00	4e-01	1e-15	4e-02
3:	2.1282e+00	2.1270e+00	2e-01	7e-02	3e-15	6e-03
4:	2.1410e+00	2.1408e+00	3e-02	9e-03	1e-14	8e-04
5:	2.1450e+00	2.1450e+00	4e-04	1e-04	7e-16	1e-05
6:	2.1451e+00	2.1451e+00	4e-06	1e-06	3e-15	1e-07
7:	2.1451e+00	2.1451e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2600e+00	1.2567e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1398e+00	2.1388e+00	7e-01	2e-01	2e-15	2e-02
3:	2.2302e+00	2.2299e+00	2e-01	5e-02	3e-15	5e-03
4:	2.2352e+00	2.2351e+00	2e-02	5e-03	4e-15	5e-04
5:	2.2374e+00	2.2374e+00	3e-04	8e-05	1e-15	7e-06
6:	2.2375e+00	2.2375e+00	3e-06	8e-07	2e-15	7e-08
7:	2.2375e+00	2.2375e+00	3e-08	8e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.9039e-01	9.8740e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0432e+00	2.0418e+00	9e-01	3e-01	1e-15	3e-02
3:	2.0733e+00	2.0722e+00	3e-01	9e-02	4e-15	9e-03
4:	2.1066e+00	2.1066e+00	1e-02	4e-03	1e-15	4e-04
5:	2.1081e+00	2.1081e+00	1e-04	4e-05	6e-16	4e-06
6:	2.1081e+00	2.1081e+00	1e-06	4e-07	7e-16	4e-08
7:	2.1081e+00	2.1081e+00	1e-08	4e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0815e-01	1.0777e-01	2e+00	7e-01	3e-16	1e-01
2:	5.3999e-01	5.3770e-01	7e-01	2e-01	3e-16	3e-02
3:	5.7374e-01	5.7273e-01	1e-01	3e-02	6e-16	3e-03
4:	5.8882e-01	5.8876e-01	5e-03	1e-03	8e-16	1e-04
5:	5.8906e-01	5.8905e-01	4e-04	1e-04	7e-14	1e-05
6:	5.8909e-01	5.8909e-01	4e-06	1e-06	2e-14	1e-07
7:	5.8909e-01	5.8909e-01	4e-08	1e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0234e-02	1.0225e-02	7e-01	2e-01	2e-16	4e-02
2:	1.9204e-01	1.9114e-01	2e-01	6e-02	3e-16	9e-03
3:	1.9275e-01	1.9134e-01	7e-02	2e-02	5e-16	2e-03
4:	2.0333e-01	2.0330e-01	2e-03	5e-04	5e-16	5e-05
5:	2.0351e-01	2.0351e-01	2e-05	5e-06	4e-16	5e-07

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6: 2.0351e-01 2.0351e-01 2e-07 5e-08 4e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.2477e-01 1.2400e-01 3e+00 9e-01 2e-16 1e-01
2: 4.9549e-01 4.9297e-01 1e+00 3e-01 4e-16 4e-02
3: 6.0425e-01 6.0348e-01 1e-01 4e-02 9e-16 4e-03
4: 6.2306e-01 6.2289e-01 2e-02 5e-03 3e-15 5e-04
5: 6.2340e-01 6.2339e-01 4e-04 1e-04 9e-15 1e-05
6: 6.2343e-01 6.2343e-01 4e-06 1e-06 2e-15 1e-07
7: 6.2343e-01 6.2343e-01 4e-08 1e-08 3e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.3901e-01 9.3603e-01 5e+00 2e+00 2e-16 2e-01
2: 1.9513e+00 1.9493e+00 1e+00 5e-01 6e-16 5e-02
3: 2.0484e+00 2.0477e+00 3e-01 9e-02 1e-15 9e-03
4: 2.0862e+00 2.0859e+00 5e-02 1e-02 2e-15 1e-03
5: 2.0880e+00 2.0880e+00 5e-04 2e-04 1e-15 1e-05
6: 2.0880e+00 2.0880e+00 5e-06 2e-06 7e-16 1e-07
7: 2.0880e+00 2.0880e+00 5e-08 2e-08 2e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 6.6739e-01 6.6528e-01 4e+00 1e+00 2e-16 2e-01
2: 1.5947e+00 1.5921e+00 2e+00 6e-01 1e-15 6e-02
3: 1.6691e+00 1.6652e+00 4e-01 1e-01 4e-15 1e-02
4: 1.7110e+00 1.7102e+00 8e-02 3e-02 8e-16 2e-03
5: 1.7249e+00 1.7248e+00 8e-03 3e-03 4e-16 2e-04
6: 1.7256e+00 1.7256e+00 5e-04 1e-04 3e-14 1e-05
7: 1.7257e+00 1.7257e+00 5e-06 1e-06 2e-15 1e-07
8: 1.7257e+00 1.7257e+00 5e-08 1e-08 5e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 7.4007e-01 7.3715e-01 5e+00 2e+00 2e-16 2e-01
2: 1.7174e+00 1.7154e+00 1e+00 4e-01 1e-15 4e-02
3: 1.8052e+00 1.8047e+00 1e-01 5e-02 6e-16 5e-03
4: 1.8133e+00 1.8133e+00 2e-03 5e-04 6e-16 5e-05
5: 1.8134e+00 1.8134e+00 2e-05 5e-06 7e-16 5e-07
6: 1.8134e+00 1.8134e+00 2e-07 5e-08 5e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 7.0205e-01 7.0015e-01 4e+00 1e+00 2e-16 2e-01
2: 1.9933e+00 1.9911e+00 1e+00 3e-01 1e-15 4e-02
3: 2.0310e+00 2.0286e+00 3e-01 9e-02 3e-15 9e-03
4: 2.0589e+00 2.0588e+00 2e-02 5e-03 2e-15 4e-04

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5:	2.0606e+00	2.0606e+00	2e-04	5e-05	2e-15	4e-06
6:	2.0607e+00	2.0607e+00	2e-06	5e-07	2e-15	4e-08
7:	2.0607e+00	2.0607e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2663e+00	1.2631e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3501e+00	2.3487e+00	1e+00	4e-01	2e-15	4e-02
3:	2.3729e+00	2.3717e+00	2e-01	6e-02	3e-15	5e-03
4:	2.3896e+00	2.3895e+00	2e-02	7e-03	8e-16	6e-04
5:	2.3920e+00	2.3919e+00	8e-03	3e-03	5e-16	2e-04
6:	2.3927e+00	2.3927e+00	1e-04	5e-05	6e-16	4e-06
7:	2.3927e+00	2.3927e+00	1e-06	5e-07	4e-16	4e-08
8:	2.3927e+00	2.3927e+00	1e-08	5e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.1519e-01	3.1324e-01	4e+00	1e+00	2e-16	2e-01
2:	8.3548e-01	8.3314e-01	1e+00	4e-01	5e-16	4e-02
3:	9.6799e-01	9.6693e-01	4e-01	1e-01	9e-16	1e-02
4:	9.8286e-01	9.8213e-01	7e-02	2e-02	8e-16	2e-03
5:	9.9316e-01	9.9302e-01	1e-02	4e-03	7e-16	3e-04
6:	9.9355e-01	9.9350e-01	4e-03	1e-03	2e-14	1e-04
7:	9.9402e-01	9.9402e-01	4e-05	1e-05	1e-15	1e-06
8:	9.9402e-01	9.9402e-01	4e-07	1e-07	1e-15	1e-08
9:	9.9402e-01	9.9402e-01	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.1001e-02	9.0619e-02	2e+00	7e-01	3e-16	1e-01
2:	4.5216e-01	4.4989e-01	9e-01	3e-01	5e-16	4e-02
3:	4.7798e-01	4.7579e-01	2e-01	6e-02	6e-16	6e-03
4:	4.9217e-01	4.9183e-01	2e-02	7e-03	1e-15	7e-04
5:	4.9608e-01	4.9605e-01	2e-03	6e-04	4e-16	6e-05
6:	4.9630e-01	4.9630e-01	2e-05	6e-06	7e-16	6e-07
7:	4.9631e-01	4.9631e-01	2e-07	6e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0425e-01	3.0284e-01	4e+00	1e+00	2e-16	1e-01
2:	9.1866e-01	9.1610e-01	1e+00	4e-01	7e-16	5e-02
3:	1.0225e+00	1.0206e+00	3e-01	1e-01	2e-15	1e-02
4:	1.0331e+00	1.0323e+00	9e-02	3e-02	2e-15	3e-03
5:	1.0417e+00	1.0416e+00	1e-02	3e-03	2e-15	3e-04
6:	1.0422e+00	1.0422e+00	1e-04	4e-05	3e-15	4e-06
7:	1.0422e+00	1.0422e+00	1e-06	4e-07	3e-15	4e-08
8:	1.0422e+00	1.0422e+00	1e-08	4e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	6.5554e-02	6.5312e-02	2e+00	6e-01	3e-16	9e-02
2:	4.2780e-01	4.2567e-01	7e-01	2e-01	3e-16	3e-02
3:	5.2198e-01	5.2096e-01	2e-01	6e-02	7e-16	7e-03
4:	5.1895e-01	5.1794e-01	6e-02	2e-02	1e-15	2e-03
5:	5.2596e-01	5.2579e-01	1e-02	3e-03	1e-15	3e-04
6:	5.2709e-01	5.2708e-01	1e-04	4e-05	1e-15	4e-06
7:	5.2710e-01	5.2710e-01	1e-06	4e-07	1e-15	4e-08
8:	5.2710e-01	5.2710e-01	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7254e-01	8.6994e-01	5e+00	1e+00	3e-16	2e-01
2:	2.0864e+00	2.0844e+00	1e+00	4e-01	2e-15	4e-02
3:	2.1618e+00	2.1601e+00	4e-01	1e-01	3e-15	1e-02
4:	2.1849e+00	2.1845e+00	5e-02	2e-02	2e-15	1e-03
5:	2.1932e+00	2.1932e+00	5e-04	2e-04	6e-16	1e-05
6:	2.1933e+00	2.1933e+00	5e-06	2e-06	6e-16	1e-07
7:	2.1933e+00	2.1933e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.5040e-01	2.4931e-01	3e+00	1e+00	2e-16	1e-01
2:	9.6239e-01	9.6002e-01	9e-01	3e-01	5e-16	3e-02
3:	1.0822e+00	1.0811e+00	2e-01	6e-02	4e-16	7e-03
4:	1.0825e+00	1.0819e+00	4e-02	1e-02	4e-15	1e-03
5:	1.0869e+00	1.0868e+00	6e-03	2e-03	2e-14	2e-04
6:	1.0878e+00	1.0877e+00	6e-04	2e-04	5e-15	2e-05
7:	1.0878e+00	1.0878e+00	7e-06	2e-06	3e-14	2e-07
8:	1.0878e+00	1.0878e+00	7e-08	2e-08	4e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	3.3146e-01	3.3060e-01	3e+00	9e-01	2e-16	1e-01
2:	1.3473e+00	1.3448e+00	8e-01	2e-01	4e-16	3e-02
3:	1.3476e+00	1.3453e+00	3e-01	9e-02	2e-15	9e-03
4:	1.3852e+00	1.3849e+00	3e-02	1e-02	5e-16	1e-03
5:	1.3886e+00	1.3886e+00	2e-03	7e-04	1e-14	7e-05
6:	1.3887e+00	1.3887e+00	3e-05	9e-06	6e-14	9e-07
7:	1.3887e+00	1.3887e+00	3e-07	9e-08	3e-14	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2847e-01	5.2599e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1941e+00	1.1916e+00	2e+00	6e-01	1e-15	6e-02
3:	1.2045e+00	1.2031e+00	3e-01	1e-01	2e-15	1e-02
4:	1.2329e+00	1.2325e+00	7e-02	2e-02	4e-16	2e-03

5:	1.2344e+00	1.2344e+00	3e-03	9e-04	6e-16	9e-05
6:	1.2347e+00	1.2347e+00	9e-04	3e-04	6e-16	3e-05
7:	1.2347e+00	1.2347e+00	5e-05	2e-05	8e-16	1e-06
8:	1.2347e+00	1.2347e+00	5e-07	2e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3650e-01	3.3544e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2415e+00	1.2391e+00	9e-01	3e-01	6e-16	3e-02
3:	1.2355e+00	1.2329e+00	3e-01	9e-02	3e-15	9e-03
4:	1.2717e+00	1.2714e+00	3e-02	1e-02	7e-16	1e-03
5:	1.2763e+00	1.2763e+00	5e-04	1e-04	8e-16	1e-05
6:	1.2764e+00	1.2764e+00	5e-06	1e-06	8e-16	1e-07
7:	1.2764e+00	1.2764e+00	5e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.8370e-01	7.8154e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9750e+00	1.9728e+00	1e+00	4e-01	1e-15	4e-02
3:	2.0331e+00	2.0319e+00	3e-01	9e-02	1e-15	1e-02
4:	2.0632e+00	2.0630e+00	4e-02	1e-02	4e-15	1e-03
5:	2.0658e+00	2.0658e+00	5e-04	1e-04	2e-15	1e-05
6:	2.0659e+00	2.0659e+00	5e-06	1e-06	2e-15	1e-07
7:	2.0659e+00	2.0659e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9282e-01	8.8991e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1752e+00	2.1735e+00	1e+00	3e-01	1e-15	4e-02
3:	2.2464e+00	2.2449e+00	5e-01	1e-01	3e-15	1e-02
4:	2.2658e+00	2.2655e+00	3e-02	9e-03	2e-15	7e-04
5:	2.2695e+00	2.2695e+00	3e-04	9e-05	8e-16	7e-06
6:	2.2695e+00	2.2695e+00	3e-06	9e-07	5e-16	7e-08
7:	2.2695e+00	2.2695e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.6611e-01	2.6508e-01	3e+00	1e+00	2e-16	1e-01
2:	9.0387e-01	9.0148e-01	9e-01	3e-01	7e-16	3e-02
3:	9.1228e-01	9.1025e-01	2e-01	7e-02	2e-15	7e-03
4:	9.3320e-01	9.3261e-01	6e-02	2e-02	7e-16	2e-03
5:	9.3648e-01	9.3647e-01	7e-04	2e-04	4e-16	2e-05
6:	9.3652e-01	9.3652e-01	7e-06	2e-06	3e-16	2e-07
7:	9.3652e-01	9.3652e-01	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.4259e-01	3.4156e-01	3e+00	1e+00	1e-16	1e-01

2:	1.2466e+00	1.2441e+00	9e-01	3e-01	9e-16	3e-02
3:	1.2272e+00	1.2245e+00	3e-01	1e-01	2e-15	1e-02
4:	1.2643e+00	1.2640e+00	4e-02	1e-02	5e-16	1e-03
5:	1.2681e+00	1.2681e+00	6e-03	2e-03	4e-15	1e-04
6:	1.2687e+00	1.2687e+00	6e-05	2e-05	7e-16	2e-06
7:	1.2687e+00	1.2687e+00	6e-07	2e-07	6e-16	2e-08
8:	1.2687e+00	1.2687e+00	6e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7002e-01	2.6889e-01	3e+00	1e+00	2e-16	1e-01
2:	8.9074e-01	8.8819e-01	1e+00	4e-01	9e-16	5e-02
3:	1.0503e+00	1.0492e+00	2e-01	6e-02	8e-16	6e-03
4:	1.0736e+00	1.0732e+00	3e-02	1e-02	2e-15	9e-04
5:	1.0747e+00	1.0747e+00	6e-04	2e-04	1e-14	2e-05
6:	1.0748e+00	1.0748e+00	6e-06	2e-06	6e-15	2e-07
7:	1.0748e+00	1.0748e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.4945e-01	8.4687e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9538e+00	1.9518e+00	1e+00	4e-01	2e-15	4e-02
3:	2.0822e+00	2.0810e+00	4e-01	1e-01	1e-15	1e-02
4:	2.0893e+00	2.0890e+00	3e-02	9e-03	2e-15	8e-04
5:	2.0930e+00	2.0930e+00	3e-04	1e-04	4e-16	8e-06
6:	2.0930e+00	2.0930e+00	3e-06	1e-06	7e-16	8e-08
7:	2.0930e+00	2.0930e+00	3e-08	1e-08	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.4496e-01	9.4162e-01	5e+00	2e+00	2e-16	2e-01
2:	1.6718e+00	1.6696e+00	1e+00	4e-01	3e-15	4e-02
3:	1.7610e+00	1.7604e+00	3e-01	1e-01	2e-15	1e-02
4:	1.7676e+00	1.7675e+00	4e-02	1e-02	2e-15	1e-03
5:	1.7726e+00	1.7726e+00	5e-03	1e-03	7e-16	1e-04
6:	1.7727e+00	1.7727e+00	5e-05	2e-05	1e-15	1e-06
7:	1.7727e+00	1.7727e+00	5e-07	2e-07	8e-16	1e-08
8:	1.7727e+00	1.7727e+00	5e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.1496e-01	6.1321e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6664e+00	1.6642e+00	1e+00	3e-01	2e-15	4e-02
3:	1.7393e+00	1.7382e+00	1e-01	4e-02	2e-15	4e-03
4:	1.7425e+00	1.7420e+00	5e-02	2e-02	9e-15	2e-03
5:	1.7493e+00	1.7493e+00	7e-04	2e-04	2e-15	2e-05
6:	1.7494e+00	1.7494e+00	7e-06	2e-06	1e-15	2e-07
7:	1.7494e+00	1.7494e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.4423e-01	5.4246e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6113e+00	1.6088e+00	1e+00	4e-01	9e-16	5e-02
3:	1.8234e+00	1.8222e+00	3e-01	1e-01	9e-16	1e-02
4:	1.8321e+00	1.8317e+00	3e-02	1e-02	4e-15	8e-04
5:	1.8362e+00	1.8362e+00	3e-04	1e-04	2e-15	9e-06
6:	1.8362e+00	1.8362e+00	3e-06	1e-06	8e-16	9e-08
7:	1.8362e+00	1.8362e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.0553e-01	7.0399e-01	4e+00	1e+00	2e-16	1e-01
2:	2.0050e+00	2.0027e+00	1e+00	4e-01	9e-16	4e-02
3:	2.0108e+00	2.0064e+00	5e-01	1e-01	5e-15	1e-02
4:	2.1003e+00	2.0992e+00	1e-01	4e-02	1e-15	4e-03
5:	2.1173e+00	2.1171e+00	2e-02	5e-03	2e-15	4e-04
6:	2.1190e+00	2.1190e+00	2e-04	6e-05	1e-15	4e-06
7:	2.1190e+00	2.1190e+00	2e-06	6e-07	2e-15	4e-08
8:	2.1190e+00	2.1190e+00	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0444e-01	1.0379e-01	3e+00	8e-01	2e-16	1e-01
2:	4.4219e-01	4.3971e-01	9e-01	3e-01	6e-16	4e-02
3:	4.8563e-01	4.8486e-01	2e-01	8e-02	6e-16	1e-02
4:	4.8818e-01	4.8808e-01	2e-02	8e-03	6e-16	9e-04
5:	4.9167e-01	4.9164e-01	6e-03	2e-03	1e-15	2e-04
6:	4.9175e-01	4.9175e-01	1e-04	3e-05	1e-15	3e-06
7:	4.9176e-01	4.9176e-01	1e-06	3e-07	4e-16	3e-08
8:	4.9176e-01	4.9176e-01	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.3569e-01	4.3370e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2088e+00	1.2062e+00	2e+00	5e-01	7e-16	6e-02
3:	1.3545e+00	1.3534e+00	4e-01	1e-01	8e-16	2e-02
4:	1.3666e+00	1.3663e+00	8e-02	3e-02	6e-16	3e-03
5:	1.3675e+00	1.3674e+00	8e-04	3e-04	8e-16	3e-05
6:	1.3675e+00	1.3675e+00	8e-06	3e-06	9e-16	3e-07
7:	1.3675e+00	1.3675e+00	8e-08	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.8537e-01	1.8484e-01	2e+00	8e-01	3e-16	1e-01
2:	8.0207e-01	7.9970e-01	8e-01	2e-01	6e-16	3e-02
3:	7.9943e-01	7.9587e-01	3e-01	8e-02	2e-15	7e-03

4:	8.3325e-01	8.3276e-01	3e-02	1e-02	2e-15	9e-04
5:	8.3891e-01	8.3883e-01	5e-03	2e-03	7e-16	1e-04
6:	8.3929e-01	8.3928e-01	5e-04	2e-04	7e-15	1e-05
7:	8.3934e-01	8.3934e-01	5e-06	2e-06	2e-15	1e-07
8:	8.3934e-01	8.3934e-01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.6343e-01	2.6220e-01	3e+00	1e+00	2e-16	1e-01
2:	8.7180e-01	8.6927e-01	1e+00	4e-01	9e-16	4e-02
3:	9.6061e-01	9.5946e-01	4e-01	1e-01	7e-16	1e-02
4:	9.7793e-01	9.7770e-01	4e-02	1e-02	7e-16	1e-03
5:	9.8157e-01	9.8154e-01	4e-03	1e-03	3e-15	1e-04
6:	9.8167e-01	9.8167e-01	1e-04	4e-05	4e-14	3e-06
7:	9.8167e-01	9.8167e-01	1e-06	4e-07	2e-14	3e-08
8:	9.8167e-01	9.8167e-01	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.5642e-01	6.5415e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6809e+00	1.6788e+00	1e+00	4e-01	4e-16	4e-02
3:	1.8544e+00	1.8527e+00	5e-01	1e-01	8e-16	2e-02
4:	1.8527e+00	1.8515e+00	1e-01	4e-02	5e-15	4e-03
5:	1.8728e+00	1.8727e+00	1e-02	3e-03	7e-16	3e-04
6:	1.8733e+00	1.8733e+00	4e-03	1e-03	1e-14	9e-05
7:	1.8738e+00	1.8738e+00	5e-05	2e-05	2e-15	1e-06
8:	1.8738e+00	1.8738e+00	5e-07	2e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.1221e-01	4.1096e-01	3e+00	1e+00	3e-16	1e-01
2:	1.3848e+00	1.3823e+00	1e+00	4e-01	4e-16	5e-02
3:	1.4562e+00	1.4524e+00	3e-01	1e-01	3e-15	9e-03
4:	1.4855e+00	1.4848e+00	5e-02	2e-02	8e-16	1e-03
5:	1.4901e+00	1.4901e+00	6e-04	2e-04	6e-16	1e-05
6:	1.4901e+00	1.4901e+00	6e-06	2e-06	6e-16	1e-07
7:	1.4901e+00	1.4901e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.1130e-01	5.0965e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6121e+00	1.6100e+00	7e-01	2e-01	5e-16	2e-02
3:	1.5796e+00	1.5769e+00	5e-01	1e-01	3e-15	1e-02
4:	1.6308e+00	1.6281e+00	3e-01	9e-02	2e-15	9e-03
5:	1.6560e+00	1.6556e+00	2e-02	7e-03	2e-15	6e-04
6:	1.6585e+00	1.6585e+00	5e-04	1e-04	1e-15	1e-05
7:	1.6585e+00	1.6585e+00	5e-06	1e-06	4e-15	1e-07
8:	1.6585e+00	1.6585e+00	5e-08	1e-08	2e-15	1e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.3778e-01	3.3611e-01	4e+00	1e+00	3e-16	1e-01
2:	9.3353e-01	9.3086e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8138e-01	9.7947e-01	3e-01	1e-01	9e-16	1e-02
4:	1.0430e+00	1.0423e+00	1e-01	3e-02	7e-16	3e-03
5:	1.0423e+00	1.0419e+00	3e-02	1e-02	3e-15	8e-04
6:	1.0446e+00	1.0444e+00	1e-02	4e-03	1e-15	3e-04
7:	1.0457e+00	1.0457e+00	3e-04	9e-05	4e-16	7e-06
8:	1.0457e+00	1.0457e+00	3e-06	9e-07	1e-15	7e-08
9:	1.0457e+00	1.0457e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6517e-01	4.6307e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2281e+00	1.2256e+00	1e+00	4e-01	9e-16	5e-02
3:	1.3338e+00	1.3332e+00	2e-01	5e-02	2e-15	6e-03
4:	1.3382e+00	1.3382e+00	3e-03	8e-04	8e-16	8e-05
5:	1.3383e+00	1.3383e+00	3e-05	8e-06	7e-16	8e-07
6:	1.3383e+00	1.3383e+00	3e-07	8e-08	9e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5350e-01	7.5096e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8770e+00	1.8750e+00	1e+00	4e-01	2e-15	4e-02
3:	2.0250e+00	2.0241e+00	3e-01	1e-01	2e-15	1e-02
4:	2.0513e+00	2.0509e+00	9e-02	3e-02	2e-15	3e-03
5:	2.0530e+00	2.0530e+00	3e-03	8e-04	5e-15	8e-05
6:	2.0532e+00	2.0532e+00	3e-05	8e-06	2e-15	8e-07
7:	2.0532e+00	2.0532e+00	3e-07	8e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.8541e-01	1.8509e-01	2e+00	7e-01	2e-16	9e-02
2:	9.6974e-01	9.6748e-01	7e-01	2e-01	5e-16	3e-02
3:	9.7229e-01	9.6886e-01	2e-01	6e-02	3e-15	5e-03
4:	9.9959e-01	9.9948e-01	6e-03	2e-03	8e-16	2e-04
5:	1.0000e+00	9.9999e-01	6e-05	2e-05	3e-15	2e-06
6:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-15	2e-08
7:	1.0000e+00	1.0000e+00	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1230e-01	4.1016e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9655e-01	9.9410e-01	2e+00	5e-01	7e-16	6e-02
3:	9.9342e-01	9.9203e-01	1e-01	4e-02	2e-15	3e-03
4:	9.9993e-01	9.9992e-01	1e-03	4e-04	3e-16	3e-05

5:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0172e-01	1.0120e-01	2e+00	8e-01	2e-16	1e-01
2:	4.7318e-01	4.7078e-01	1e+00	3e-01	5e-16	4e-02
3:	5.9511e-01	5.9397e-01	2e-01	8e-02	2e-16	9e-03
4:	6.2846e-01	6.2771e-01	6e-02	2e-02	7e-16	2e-03
5:	6.3167e-01	6.3145e-01	1e-02	4e-03	2e-15	3e-04
6:	6.3400e-01	6.3399e-01	6e-04	2e-04	3e-15	2e-05
7:	6.3405e-01	6.3405e-01	8e-06	2e-06	6e-14	2e-07
8:	6.3405e-01	6.3405e-01	8e-08	2e-08	6e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5866e-01	4.5609e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9696e-01	9.9456e-01	2e+00	5e-01	3e-15	6e-02
3:	9.9855e-01	9.9822e-01	3e-02	1e-02	2e-15	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	2e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	3e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.2410e-01	2.2340e-01	3e+00	9e-01	2e-16	1e-01
2:	9.4065e-01	9.3825e-01	8e-01	2e-01	6e-16	3e-02
3:	9.7718e-01	9.7666e-01	8e-02	3e-02	1e-15	3e-03
4:	9.9237e-01	9.9215e-01	3e-02	9e-03	6e-16	1e-03
5:	9.9310e-01	9.9303e-01	4e-03	1e-03	2e-14	1e-04
6:	9.9373e-01	9.9373e-01	5e-05	2e-05	4e-15	1e-06
7:	9.9374e-01	9.9374e-01	5e-07	2e-07	8e-15	1e-08
8:	9.9374e-01	9.9374e-01	5e-09	2e-09	4e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	8.5944e-02	8.5667e-02	2e+00	6e-01	2e-16	9e-02
2:	5.5427e-01	5.5205e-01	6e-01	2e-01	3e-16	2e-02
3:	6.2136e-01	6.2058e-01	1e-01	5e-02	6e-16	6e-03
4:	6.2810e-01	6.2794e-01	2e-02	7e-03	9e-16	9e-04
5:	6.2865e-01	6.2865e-01	3e-04	9e-05	2e-15	1e-05
6:	6.2866e-01	6.2866e-01	3e-06	9e-07	1e-15	1e-07
7:	6.2866e-01	6.2866e-01	3e-08	9e-09	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1175e-01	3.1042e-01	3e+00	1e+00	1e-16	1e-01
2:	9.9555e-01	9.9310e-01	1e+00	4e-01	8e-16	5e-02

3:	9.6120e-01	9.5644e-01	3e-01	1e-01	4e-15	9e-03
4:	9.9963e-01	9.9956e-01	5e-03	2e-03	6e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	6e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	5e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.6248e-01	2.6170e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9505e-01	9.9262e-01	9e-01	3e-01	7e-16	4e-02
3:	9.5810e-01	9.5377e-01	5e-01	2e-01	4e-15	2e-02
4:	9.9943e-01	9.9933e-01	1e-02	3e-03	8e-16	3e-04
5:	9.9999e-01	9.9999e-01	1e-04	3e-05	1e-15	3e-06
6:	1.0000e+00	1.0000e+00	1e-06	3e-07	8e-16	3e-08
7:	1.0000e+00	1.0000e+00	1e-08	3e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.4676e-01	2.4608e-01	3e+00	8e-01	2e-16	1e-01
2:	9.9486e-01	9.9246e-01	7e-01	2e-01	7e-16	3e-02
3:	9.4826e-01	9.4410e-01	4e-01	1e-01	4e-15	1e-02
4:	9.9957e-01	9.9944e-01	1e-02	4e-03	6e-16	4e-04
5:	1.0000e+00	9.9999e-01	1e-04	4e-05	2e-15	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	2e-15	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8472e-01	2.8358e-01	3e+00	1e+00	2e-16	1e-01
2:	9.4393e-01	9.4144e-01	1e+00	3e-01	5e-16	4e-02
3:	1.0008e+00	9.9941e-01	5e-01	1e-01	8e-16	2e-02
4:	9.9718e-01	9.9623e-01	6e-02	2e-02	6e-15	2e-03
5:	9.9997e-01	9.9996e-01	7e-04	2e-04	2e-15	2e-05
6:	1.0000e+00	1.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4331e-01	5.4012e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9706e-01	9.9540e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9991e-01	9.9988e-01	1e-02	4e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3079e-01	1.3048e-01	2e+00	7e-01	3e-16	9e-02

2:	7.0924e-01	7.0702e-01	7e-01	2e-01	8e-16	3e-02
3:	7.0241e-01	6.9800e-01	3e-01	1e-01	9e-16	1e-02
4:	7.4937e-01	7.4903e-01	2e-02	7e-03	9e-16	6e-04
5:	7.5060e-01	7.5055e-01	3e-03	9e-04	2e-15	9e-05
6:	7.5107e-01	7.5106e-01	6e-04	2e-04	7e-16	2e-05
7:	7.5112e-01	7.5112e-01	2e-05	7e-06	1e-15	6e-07
8:	7.5113e-01	7.5113e-01	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.0113e-02	6.9876e-02	2e+00	6e-01	3e-16	9e-02
2:	4.5209e-01	4.4998e-01	7e-01	2e-01	6e-16	3e-02
3:	5.4190e-01	5.4052e-01	2e-01	7e-02	5e-16	9e-03
4:	5.6307e-01	5.6229e-01	6e-02	2e-02	1e-15	2e-03
5:	5.7108e-01	5.7097e-01	8e-03	3e-03	7e-16	3e-04
6:	5.7155e-01	5.7153e-01	1e-03	3e-04	2e-14	3e-05
7:	5.7165e-01	5.7165e-01	1e-04	3e-05	3e-14	3e-06
8:	5.7166e-01	5.7166e-01	1e-06	4e-07	6e-15	3e-08
9:	5.7166e-01	5.7166e-01	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0603e-02	1.0592e-02	8e-01	2e-01	2e-16	4e-02
2:	1.8657e-01	1.8561e-01	2e-01	7e-02	2e-16	1e-02
3:	1.9038e-01	1.8890e-01	8e-02	3e-02	1e-15	3e-03
4:	2.0313e-01	2.0296e-01	1e-02	3e-03	5e-16	3e-04
5:	2.0425e-01	2.0425e-01	2e-04	8e-05	2e-15	7e-06
6:	2.0428e-01	2.0428e-01	2e-06	8e-07	9e-16	7e-08
7:	2.0428e-01	2.0428e-01	2e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.4298e-01	2.4187e-01	3e+00	1e+00	2e-16	1e-01
2:	8.8108e-01	8.7861e-01	9e-01	3e-01	9e-16	3e-02
3:	9.9921e-01	9.9879e-01	1e-01	4e-02	4e-16	5e-03
4:	9.9142e-01	9.9074e-01	7e-02	2e-02	1e-14	2e-03
5:	9.9992e-01	9.9991e-01	1e-03	5e-04	2e-15	5e-05
6:	1.0000e+00	1.0000e+00	1e-05	5e-06	1e-14	5e-07
7:	1.0000e+00	1.0000e+00	1e-07	5e-08	7e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9374e-01	3.9178e-01	4e+00	1e+00	3e-16	2e-01
2:	9.9644e-01	9.9392e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9087e-01	9.8897e-01	1e-01	5e-02	2e-15	4e-03
4:	9.9991e-01	9.9989e-01	2e-03	5e-04	5e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3777e-01	3.3635e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9589e-01	9.9336e-01	1e+00	4e-01	1e-15	5e-02
3:	9.7395e-01	9.6997e-01	3e-01	9e-02	2e-15	7e-03
4:	9.9975e-01	9.9970e-01	3e-03	1e-03	1e-16	8e-05
5:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	8e-09
7:	1.0000e+00	1.0000e+00	3e-09	1e-09	2e-16	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1879e-01	5.1574e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9516e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9975e-01	9.9970e-01	2e-02	5e-03	8e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	9e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	8e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.6670e-01	2.6589e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9513e-01	9.9266e-01	1e+00	3e-01	9e-16	4e-02
3:	9.3383e-01	9.2748e-01	4e-01	1e-01	3e-15	1e-02
4:	9.9939e-01	9.9927e-01	8e-03	2e-03	4e-16	2e-04
5:	9.9999e-01	9.9999e-01	8e-05	2e-05	5e-16	2e-06
6:	1.0000e+00	1.0000e+00	8e-07	2e-07	4e-16	2e-08
7:	1.0000e+00	1.0000e+00	8e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.8485e-01	1.8426e-01	3e+00	8e-01	2e-16	1e-01
2:	8.6936e-01	8.6694e-01	7e-01	2e-01	5e-16	3e-02
3:	9.0455e-01	9.0340e-01	9e-02	3e-02	9e-16	3e-03
4:	9.0774e-01	9.0763e-01	9e-03	3e-03	7e-16	3e-04
5:	9.0869e-01	9.0867e-01	2e-03	5e-04	1e-15	5e-05
6:	9.0876e-01	9.0876e-01	2e-05	5e-06	8e-16	5e-07
7:	9.0876e-01	9.0876e-01	2e-07	5e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4760e-01	3.4609e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9602e-01	9.9346e-01	1e+00	5e-01	1e-15	5e-02
3:	9.7860e-01	9.7501e-01	3e-01	8e-02	2e-15	6e-03
4:	9.9979e-01	9.9975e-01	3e-03	9e-04	4e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	8.2001e-02	8.1208e-02	3e+00	9e-01	1e-16	1e-01
2:	3.1958e-01	3.1709e-01	8e-01	3e-01	6e-16	3e-02
3:	3.7138e-01	3.7084e-01	1e-01	4e-02	7e-16	5e-03
4:	4.0297e-01	4.0275e-01	4e-02	1e-02	4e-16	1e-03
5:	4.0200e-01	4.0178e-01	2e-02	6e-03	5e-15	6e-04
6:	4.0523e-01	4.0521e-01	2e-03	5e-04	7e-16	5e-05
7:	4.0548e-01	4.0548e-01	1e-04	3e-05	2e-15	3e-06
8:	4.0550e-01	4.0550e-01	1e-06	4e-07	3e-14	3e-08
9:	4.0550e-01	4.0550e-01	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4872e-01	3.4720e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9603e-01	9.9347e-01	1e+00	4e-01	1e-15	5e-02
3:	9.7913e-01	9.7563e-01	2e-01	8e-02	3e-15	6e-03
4:	9.9980e-01	9.9976e-01	3e-03	9e-04	3e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.5574e-02	9.5322e-02	2e+00	6e-01	2e-16	9e-02
2:	5.8191e-01	5.7977e-01	7e-01	2e-01	4e-16	3e-02
3:	5.9565e-01	5.9196e-01	3e-01	9e-02	1e-15	9e-03
4:	6.3653e-01	6.3561e-01	7e-02	2e-02	5e-16	2e-03
5:	6.4385e-01	6.4374e-01	8e-03	3e-03	1e-15	3e-04
6:	6.4461e-01	6.4460e-01	1e-04	3e-05	4e-15	3e-06
7:	6.4462e-01	6.4462e-01	1e-06	3e-07	3e-15	3e-08
8:	6.4462e-01	6.4462e-01	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.6244e-01	2.6157e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9505e-01	9.9262e-01	1e+00	3e-01	5e-16	4e-02
3:	9.4919e-01	9.4414e-01	5e-01	2e-01	2e-15	2e-02
4:	9.9953e-01	9.9944e-01	9e-03	3e-03	6e-16	3e-04
5:	1.0000e+00	9.9999e-01	9e-05	3e-05	6e-16	3e-06
6:	1.0000e+00	1.0000e+00	9e-07	3e-07	1e-15	3e-08
7:	1.0000e+00	1.0000e+00	9e-09	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7813e-01	5.7480e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9575e-01	8e-01	2e-01	1e-15	2e-02
3:	9.9995e-01	9.9994e-01	8e-03	3e-03	8e-16	2e-04

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4:  1.0000e+00  1.0000e+00  8e-05  3e-05  4e-16  2e-06
5:  1.0000e+00  1.0000e+00  8e-07  3e-07  8e-16  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  2e+01  7e+00  1e-16  1e+00
1:  2.4403e-01  2.4338e-01  3e+00  8e-01  1e-16  1e-01
2:  9.9481e-01  9.9243e-01  8e-01  2e-01  7e-16  3e-02
3:  9.3832e-01  9.3364e-01  5e-01  1e-01  3e-15  1e-02
4:  9.9945e-01  9.9934e-01  1e-02  3e-03  4e-16  4e-04
5:  9.9999e-01  9.9999e-01  1e-04  3e-05  5e-16  4e-06
6:  1.0000e+00  1.0000e+00  1e-06  3e-07  7e-16  4e-08
7:  1.0000e+00  1.0000e+00  1e-08  3e-09  1e-15  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  2e+01  7e+00  1e-16  1e+00
1:  1.0333e-01  1.0297e-01  2e+00  7e-01  2e-16  1e-01
2:  5.7666e-01  5.7437e-01  8e-01  2e-01  5e-16  3e-02
3:  6.7239e-01  6.7097e-01  2e-01  7e-02  9e-16  9e-03
4:  7.1301e-01  7.1253e-01  6e-02  2e-02  1e-15  2e-03
5:  7.1668e-01  7.1656e-01  6e-03  2e-03  3e-15  2e-04
6:  7.1730e-01  7.1728e-01  8e-04  3e-04  3e-14  2e-05
7:  7.1742e-01  7.1742e-01  8e-06  3e-06  3e-15  2e-07
8:  7.1742e-01  7.1742e-01  8e-08  3e-08  3e-15  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  2e+01  7e+00  1e-16  1e+00
1:  1.2183e-01  1.2121e-01  3e+00  8e-01  2e-16  1e-01
2:  6.1049e-01  6.0802e-01  8e-01  3e-01  4e-16  3e-02
3:  7.5531e-01  7.5438e-01  2e-01  7e-02  4e-16  9e-03
4:  7.7309e-01  7.7264e-01  3e-02  8e-03  8e-16  6e-04
5:  7.7550e-01  7.7550e-01  3e-04  1e-04  2e-15  8e-06
6:  7.7554e-01  7.7554e-01  3e-06  1e-06  2e-15  8e-08
7:  7.7554e-01  7.7554e-01  3e-08  1e-08  2e-15  8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  2e+01  7e+00  1e-16  1e+00
1:  5.4628e-02  5.4428e-02  2e+00  6e-01  2e-16  8e-02
2:  4.2128e-01  4.1919e-01  4e-01  1e-01  3e-16  2e-02
3:  4.7026e-01  4.6861e-01  1e-01  4e-02  1e-15  4e-03
4:  4.7607e-01  4.7551e-01  4e-02  1e-02  2e-15  1e-03
5:  4.7951e-01  4.7947e-01  3e-03  9e-04  9e-16  8e-05
6:  4.7987e-01  4.7987e-01  9e-05  3e-05  1e-15  3e-06
7:  4.7988e-01  4.7988e-01  9e-07  3e-07  4e-15  3e-08
8:  4.7988e-01  4.7988e-01  9e-09  3e-09  3e-15  3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  2e+01  7e+00  1e-16  1e+00
1:  2.4393e-01  2.4326e-01  3e+00  8e-01  2e-16  1e-01

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2:	9.9484e-01	9.9243e-01	9e-01	3e-01	7e-16	4e-02
3:	9.1968e-01	9.1379e-01	5e-01	1e-01	2e-15	1e-02
4:	9.9929e-01	9.9914e-01	1e-02	4e-03	4e-16	3e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	1e-15	3e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3094e-01	4.2862e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9683e-01	9.9429e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9680e-01	9.9605e-01	6e-02	2e-02	2e-15	2e-03
4:	9.9997e-01	9.9996e-01	6e-04	2e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7404e-01	2.7317e-01	3e+00	9e-01	2e-16	1e-01
2:	9.8665e-01	9.8421e-01	9e-01	3e-01	7e-16	3e-02
3:	9.9251e-01	9.9049e-01	1e-01	4e-02	2e-15	3e-03
4:	9.9996e-01	9.9990e-01	3e-03	1e-03	2e-15	8e-05
5:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-15	8e-07
6:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-15	8e-09
7:	1.0000e+00	1.0000e+00	3e-09	1e-09	3e-15	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.5099e-01	2.4995e-01	3e+00	1e+00	2e-16	1e-01
2:	9.4234e-01	9.3982e-01	9e-01	3e-01	1e-15	4e-02
3:	1.0018e+00	9.9940e-01	2e-01	7e-02	2e-15	7e-03
4:	9.9997e-01	9.9993e-01	3e-03	9e-04	2e-15	9e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	2e-15	9e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	1e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	8.9632e-02	8.9283e-02	2e+00	7e-01	2e-16	1e-01
2:	5.1808e-01	5.1578e-01	7e-01	2e-01	6e-16	3e-02
3:	5.9976e-01	5.9882e-01	1e-01	4e-02	9e-16	5e-03
4:	5.9995e-01	5.9927e-01	6e-02	2e-02	2e-15	2e-03
5:	6.0639e-01	6.0604e-01	3e-02	8e-03	9e-16	8e-04
6:	6.0783e-01	6.0780e-01	1e-03	4e-04	7e-16	4e-05
7:	6.0799e-01	6.0799e-01	1e-05	5e-06	1e-15	4e-07
8:	6.0799e-01	6.0799e-01	1e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00



1:	3.2618e-01	3.2487e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9568e-01	9.9325e-01	1e+00	4e-01	4e-16	5e-02
3:	9.6678e-01	9.6224e-01	3e-01	9e-02	3e-15	8e-03
4:	9.9968e-01	9.9962e-01	4e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.5777e-01	2.5634e-01	4e+00	1e+00	2e-16	1e-01
2:	8.9494e-01	8.9249e-01	1e+00	3e-01	5e-16	4e-02
3:	1.0005e+00	9.9892e-01	4e-01	1e-01	7e-16	1e-02
4:	9.9659e-01	9.9578e-01	6e-02	2e-02	3e-15	1e-03
5:	9.9996e-01	9.9996e-01	6e-04	2e-04	1e-15	1e-05
6:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-15	1e-07
7:	1.0000e+00	1.0000e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.0744e-01	1.0690e-01	2e+00	8e-01	2e-16	1e-01
2:	4.7598e-01	4.7357e-01	9e-01	3e-01	3e-16	4e-02
3:	5.3406e-01	5.3271e-01	2e-01	5e-02	6e-16	5e-03
4:	5.5877e-01	5.5826e-01	5e-02	2e-02	6e-16	2e-03
5:	5.6413e-01	5.6405e-01	5e-03	1e-03	3e-15	1e-04
6:	5.6486e-01	5.6486e-01	5e-05	2e-05	5e-16	1e-06
7:	5.6487e-01	5.6487e-01	5e-07	2e-07	4e-16	1e-08
8:	5.6487e-01	5.6487e-01	5e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2582e-01	4.2353e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9644e-01	9.9424e-01	1e+00	4e-01	7e-16	5e-02
3:	9.9323e-01	9.9192e-01	1e-01	3e-02	4e-15	3e-03
4:	9.9993e-01	9.9992e-01	1e-03	4e-04	4e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7267e-01	4.6997e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9689e-01	9.9470e-01	1e+00	5e-01	8e-16	5e-02
3:	9.9868e-01	9.9839e-01	3e-02	1e-02	8e-16	9e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	4e-16	9e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	7e-16	9e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	3e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.4088e-01	2.4014e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9475e-01	9.9240e-01	7e-01	2e-01	7e-16	3e-02
3:	9.5648e-01	9.5268e-01	5e-01	2e-01	2e-15	2e-02
4:	9.9969e-01	9.9953e-01	2e-02	6e-03	5e-16	6e-04
5:	1.0000e+00	1.0000e+00	2e-04	6e-05	1e-15	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	6e-07	2e-15	6e-08
7:	1.0000e+00	1.0000e+00	2e-08	6e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.3812e-01	1.3756e-01	3e+00	8e-01	2e-16	1e-01
2:	6.2578e-01	6.2335e-01	9e-01	3e-01	4e-16	4e-02
3:	6.9546e-01	6.9435e-01	2e-01	6e-02	6e-16	7e-03
4:	7.1270e-01	7.1245e-01	3e-02	1e-02	2e-15	1e-03
5:	7.1389e-01	7.1382e-01	8e-03	2e-03	3e-15	3e-04
6:	7.1472e-01	7.1471e-01	1e-03	3e-04	5e-15	3e-05
7:	7.1476e-01	7.1476e-01	1e-05	3e-06	5e-15	4e-07
8:	7.1477e-01	7.1477e-01	1e-07	3e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8287e-01	3.8102e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9644e-01	9.9381e-01	2e+00	5e-01	8e-16	6e-02
3:	9.8994e-01	9.8778e-01	2e-01	5e-02	2e-15	4e-03
4:	9.9990e-01	9.9988e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1128e-01	3.1010e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9568e-01	9.9310e-01	1e+00	4e-01	8e-16	6e-02
3:	9.6423e-01	9.5902e-01	3e-01	1e-01	5e-15	8e-03
4:	9.9966e-01	9.9959e-01	5e-03	1e-03	2e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.4382e-01	2.4274e-01	3e+00	1e+00	2e-16	1e-01
2:	9.8029e-01	9.7796e-01	8e-01	2e-01	4e-16	3e-02
3:	9.6177e-01	9.5861e-01	4e-01	1e-01	3e-15	1e-02
4:	9.8950e-01	9.8816e-01	1e-01	4e-02	1e-15	4e-03
5:	9.9985e-01	9.9983e-01	2e-03	5e-04	2e-15	5e-05
6:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-15	5e-07
7:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7392e-01	4.7122e-01	5e+00	1e+00	1e-16	2e-01
2:	9.9703e-01	9.9471e-01	2e+00	5e-01	2e-15	5e-02
3:	9.9920e-01	9.9902e-01	2e-02	8e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	2e-04	8e-05	6e-16	7e-06
5:	1.0000e+00	1.0000e+00	2e-06	8e-07	2e-16	7e-08
6:	1.0000e+00	1.0000e+00	2e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0283e-01	4.9988e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9685e-01	9.9500e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9923e-01	9.9908e-01	3e-02	8e-03	9e-16	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	4e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3411e-01	4.3176e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9678e-01	9.9432e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9663e-01	9.9585e-01	7e-02	2e-02	4e-16	2e-03
4:	9.9997e-01	9.9996e-01	7e-04	2e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1332e-01	4.1118e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9679e-01	9.9411e-01	2e+00	6e-01	2e-15	6e-02
3:	9.9571e-01	9.9466e-01	9e-02	3e-02	2e-15	2e-03
4:	9.9996e-01	9.9995e-01	9e-04	3e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.9353e-01	1.9282e-01	3e+00	9e-01	2e-16	1e-01
2:	8.4255e-01	8.4009e-01	9e-01	3e-01	4e-16	3e-02
3:	9.4601e-01	9.4507e-01	3e-01	8e-02	6e-16	1e-02
4:	9.5363e-01	9.5300e-01	4e-02	1e-02	1e-15	1e-03
5:	9.5971e-01	9.5971e-01	5e-04	2e-04	1e-15	1e-05
6:	9.5977e-01	9.5977e-01	5e-06	2e-06	1e-15	1e-07
7:	9.5978e-01	9.5978e-01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.2189e-01	2.2063e-01	3e+00	1e+00	2e-16	1e-01
2:	7.5286e-01	7.5045e-01	9e-01	3e-01	6e-16	3e-02
3:	8.6769e-01	8.6679e-01	3e-01	9e-02	3e-16	1e-02
4:	8.8178e-01	8.8140e-01	4e-02	1e-02	1e-15	1e-03
5:	8.8683e-01	8.8680e-01	2e-03	8e-04	1e-15	6e-05
6:	8.8710e-01	8.8710e-01	2e-05	8e-06	9e-16	7e-07
7:	8.8711e-01	8.8711e-01	2e-07	8e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9312e-01	8.9045e-01	5e+00	1e+00	3e-16	2e-01
2:	1.9735e+00	1.9716e+00	1e+00	4e-01	6e-16	4e-02
3:	1.9765e+00	1.9753e+00	2e-01	6e-02	3e-15	5e-03
4:	1.9998e+00	1.9997e+00	2e-03	6e-04	6e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.4773e-01	4.4652e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4931e+00	1.4907e+00	9e-01	3e-01	1e-15	3e-02
3:	1.5554e+00	1.5546e+00	2e-01	5e-02	1e-15	6e-03
4:	1.5631e+00	1.5630e+00	3e-02	8e-03	3e-15	9e-04
5:	1.5654e+00	1.5654e+00	9e-04	3e-04	4e-15	3e-05
6:	1.5655e+00	1.5655e+00	9e-06	3e-06	3e-15	3e-07
7:	1.5655e+00	1.5655e+00	9e-08	3e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.4291e-01	3.4174e-01	3e+00	1e+00	2e-16	1e-01
2:	1.1196e+00	1.1171e+00	1e+00	4e-01	1e-15	4e-02
3:	1.1053e+00	1.1006e+00	4e-01	1e-01	7e-16	1e-02
4:	1.1597e+00	1.1587e+00	9e-02	3e-02	5e-16	3e-03
5:	1.1720e+00	1.1718e+00	1e-02	4e-03	1e-15	4e-04
6:	1.1750e+00	1.1749e+00	2e-03	7e-04	2e-15	6e-05
7:	1.1752e+00	1.1752e+00	6e-05	2e-05	2e-14	2e-06
8:	1.1752e+00	1.1752e+00	2e-06	5e-07	3e-13	4e-08
9:	1.1752e+00	1.1752e+00	2e-08	5e-09	2e-13	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7683e-01	2.7568e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9852e-01	9.9614e-01	8e-01	3e-01	1e-15	3e-02
3:	1.1166e+00	1.1158e+00	2e-01	6e-02	5e-16	7e-03
4:	1.1286e+00	1.1284e+00	1e-02	5e-03	3e-15	4e-04
5:	1.1311e+00	1.1311e+00	2e-04	5e-05	9e-16	5e-06
6:	1.1311e+00	1.1311e+00	2e-06	5e-07	1e-15	5e-08

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7: 1.1311e+00 1.1311e+00 2e-08 5e-09 8e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 2.2661e-01 2.2577e-01 3e+00 9e-01 2e-16 1e-01
2: 9.9215e-01 9.8967e-01 8e-01 3e-01 8e-16 3e-02
3: 1.0079e+00 1.0048e+00 2e-01 7e-02 7e-16 6e-03
4: 1.0472e+00 1.0469e+00 2e-02 7e-03 8e-16 6e-04
5: 1.0500e+00 1.0500e+00 6e-04 2e-04 1e-14 2e-05
6: 1.0501e+00 1.0501e+00 6e-06 2e-06 1e-14 2e-07
7: 1.0501e+00 1.0501e+00 6e-08 2e-08 3e-14 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 6.0821e-01 6.0602e-01 4e+00 1e+00 2e-16 2e-01
2: 1.4755e+00 1.4733e+00 1e+00 4e-01 9e-16 4e-02
3: 1.5743e+00 1.5723e+00 4e-01 1e-01 3e-15 1e-02
4: 1.5944e+00 1.5940e+00 5e-02 2e-02 1e-15 1e-03
5: 1.6021e+00 1.6021e+00 6e-03 2e-03 6e-16 2e-04
6: 1.6026e+00 1.6026e+00 6e-05 2e-05 2e-15 2e-06
7: 1.6026e+00 1.6026e+00 6e-07 2e-07 2e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.4325e-01 1.4275e-01 2e+00 8e-01 2e-16 1e-01
2: 6.9152e-01 6.8913e-01 7e-01 2e-01 4e-16 3e-02
3: 6.9649e-01 6.9511e-01 2e-01 5e-02 1e-15 5e-03
4: 7.1952e-01 7.1923e-01 3e-02 8e-03 4e-16 9e-04
5: 7.2232e-01 7.2227e-01 3e-03 1e-03 7e-15 9e-05
6: 7.2275e-01 7.2275e-01 9e-05 3e-05 6e-15 2e-06
7: 7.2277e-01 7.2277e-01 9e-07 3e-07 2e-15 2e-08
8: 7.2277e-01 7.2277e-01 9e-09 3e-09 1e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 4.0626e-01 4.0484e-01 4e+00 1e+00 2e-16 1e-01
2: 1.3478e+00 1.3453e+00 1e+00 4e-01 7e-16 5e-02
3: 1.5323e+00 1.5313e+00 4e-01 1e-01 5e-16 1e-02
4: 1.5289e+00 1.5274e+00 1e-01 5e-02 4e-15 4e-03
5: 1.5505e+00 1.5504e+00 1e-02 3e-03 1e-15 3e-04
6: 1.5521e+00 1.5520e+00 1e-03 4e-04 5e-15 4e-05
7: 1.5522e+00 1.5522e+00 7e-05 2e-05 7e-14 2e-06
8: 1.5522e+00 1.5522e+00 7e-07 2e-07 2e-14 2e-08
9: 1.5522e+00 1.5522e+00 7e-09 2e-09 8e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 7.7504e-01 7.7265e-01 4e+00 1e+00 2e-16 2e-01

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2:	1.9188e+00	1.9166e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9939e+00	1.9926e+00	3e-01	8e-02	2e-15	8e-03
4:	1.9991e+00	1.9990e+00	1e-02	4e-03	4e-15	3e-04
5:	2.0000e+00	2.0000e+00	1e-04	4e-05	6e-16	3e-06
6:	2.0000e+00	2.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	2.0000e+00	2.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0065e+00	1.0035e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9755e+00	1.9738e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9944e+00	1.9941e+00	6e-02	2e-02	3e-15	2e-03
4:	1.9999e+00	1.9999e+00	6e-04	2e-04	6e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6565e-01	6.6329e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6137e+00	1.6113e+00	2e+00	5e-01	8e-16	6e-02
3:	1.7593e+00	1.7574e+00	6e-01	2e-01	3e-15	2e-02
4:	1.7818e+00	1.7811e+00	1e-01	3e-02	1e-15	3e-03
5:	1.7947e+00	1.7947e+00	4e-03	1e-03	7e-16	1e-04
6:	1.7950e+00	1.7950e+00	4e-05	1e-05	7e-16	1e-06
7:	1.7950e+00	1.7950e+00	4e-07	1e-07	6e-16	1e-08
8:	1.7950e+00	1.7950e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.6370e-01	5.6214e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6444e+00	1.6421e+00	1e+00	3e-01	5e-16	4e-02
3:	1.7568e+00	1.7554e+00	2e-01	6e-02	2e-15	6e-03
4:	1.7803e+00	1.7802e+00	1e-02	5e-03	2e-15	4e-04
5:	1.7816e+00	1.7816e+00	2e-04	5e-05	5e-15	5e-06
6:	1.7816e+00	1.7816e+00	2e-06	5e-07	4e-15	5e-08
7:	1.7816e+00	1.7816e+00	2e-08	5e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.0540e-01	6.0361e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8375e+00	1.8352e+00	9e-01	3e-01	1e-15	3e-02
3:	1.9955e+00	1.9946e+00	2e-01	6e-02	1e-15	6e-03
4:	1.9930e+00	1.9923e+00	6e-02	2e-02	1e-14	2e-03
5:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-15	3e-05
6:	2.0000e+00	2.0000e+00	1e-05	4e-06	1e-14	4e-07
7:	2.0000e+00	2.0000e+00	1e-07	4e-08	9e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2434e-01	4.2276e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3044e+00	1.3021e+00	1e+00	3e-01	1e-15	4e-02
3:	1.4504e+00	1.4496e+00	3e-01	9e-02	7e-16	1e-02
4:	1.4556e+00	1.4552e+00	3e-02	1e-02	6e-15	9e-04
5:	1.4602e+00	1.4601e+00	1e-02	3e-03	2e-15	3e-04
6:	1.4610e+00	1.4610e+00	7e-04	2e-04	2e-15	2e-05
7:	1.4611e+00	1.4611e+00	1e-05	4e-06	5e-15	3e-07
8:	1.4611e+00	1.4611e+00	1e-07	4e-08	9e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0881e-01	5.0630e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2905e+00	1.2885e+00	1e+00	3e-01	4e-16	4e-02
3:	1.3854e+00	1.3845e+00	2e-01	5e-02	1e-15	5e-03
4:	1.4002e+00	1.4002e+00	8e-03	3e-03	3e-15	3e-04
5:	1.4014e+00	1.4014e+00	2e-03	7e-04	9e-16	7e-05
6:	1.4016e+00	1.4016e+00	2e-04	7e-05	1e-15	6e-06
7:	1.4016e+00	1.4016e+00	2e-06	8e-07	7e-16	6e-08
8:	1.4016e+00	1.4016e+00	2e-08	8e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7520e-01	2.7412e-01	3e+00	1e+00	2e-16	1e-01
2:	9.6596e-01	9.6340e-01	1e+00	4e-01	4e-16	5e-02
3:	1.0920e+00	1.0895e+00	3e-01	1e-01	6e-16	1e-02
4:	1.1362e+00	1.1352e+00	1e-01	3e-02	2e-15	4e-03
5:	1.1383e+00	1.1379e+00	4e-02	1e-02	4e-15	1e-03
6:	1.1401e+00	1.1397e+00	4e-02	1e-02	3e-15	1e-03
7:	1.1426e+00	1.1426e+00	4e-04	1e-04	3e-15	1e-05
8:	1.1426e+00	1.1426e+00	4e-06	1e-06	3e-15	1e-07
9:	1.1426e+00	1.1426e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3144e-01	4.2899e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1506e+00	1.1486e+00	9e-01	3e-01	2e-15	3e-02
3:	1.1986e+00	1.1974e+00	3e-01	9e-02	1e-15	9e-03
4:	1.2442e+00	1.2440e+00	5e-02	2e-02	6e-16	2e-03
5:	1.2517e+00	1.2516e+00	6e-03	2e-03	7e-16	2e-04
6:	1.2522e+00	1.2522e+00	6e-05	2e-05	1e-15	2e-06
7:	1.2523e+00	1.2523e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	6.0666e-01	6.0524e-01	4e+00	1e+00	2e-16	1e-01
2:	1.9238e+00	1.9215e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9786e+00	1.9763e+00	2e-01	6e-02	3e-15	5e-03

4:	1.9998e+00	1.9997e+00	3e-03	8e-04	1e-15	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	8e-06	2e-15	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	8e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9655e-01	3.9494e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3274e+00	1.3250e+00	1e+00	3e-01	1e-15	4e-02
3:	1.4777e+00	1.4765e+00	3e-01	9e-02	6e-16	1e-02
4:	1.4899e+00	1.4897e+00	2e-02	7e-03	1e-15	6e-04
5:	1.4921e+00	1.4921e+00	2e-04	7e-05	6e-16	6e-06
6:	1.4921e+00	1.4921e+00	2e-06	7e-07	8e-16	6e-08
7:	1.4921e+00	1.4921e+00	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7487e-01	6.7160e-01	5e+00	2e+00	2e-16	2e-01
2:	1.2378e+00	1.2361e+00	1e+00	5e-01	2e-15	5e-02
3:	1.5441e+00	1.5430e+00	5e-01	2e-01	5e-16	1e-02
4:	1.5707e+00	1.5698e+00	2e-01	5e-02	1e-15	4e-03
5:	1.5911e+00	1.5909e+00	4e-02	1e-02	1e-15	1e-03
6:	1.5943e+00	1.5942e+00	6e-03	2e-03	1e-14	2e-04
7:	1.5951e+00	1.5951e+00	7e-05	2e-05	3e-15	2e-06
8:	1.5951e+00	1.5951e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2847e-01	1.2819e-01	2e+00	6e-01	1e-16	9e-02
2:	7.1886e-01	7.1666e-01	7e-01	2e-01	5e-16	3e-02
3:	7.3239e-01	7.2878e-01	3e-01	9e-02	9e-16	9e-03
4:	7.6432e-01	7.6358e-01	6e-02	2e-02	5e-16	2e-03
5:	7.7278e-01	7.7262e-01	1e-02	4e-03	5e-16	3e-04
6:	7.7395e-01	7.7394e-01	1e-04	4e-05	1e-15	4e-06
7:	7.7396e-01	7.7396e-01	1e-06	4e-07	1e-15	4e-08
8:	7.7396e-01	7.7396e-01	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.0877e-01	6.0655e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4891e+00	1.4865e+00	2e+00	6e-01	4e-16	6e-02
3:	1.6497e+00	1.6477e+00	6e-01	2e-01	6e-16	2e-02
4:	1.6998e+00	1.6989e+00	2e-01	7e-02	9e-16	7e-03
5:	1.7079e+00	1.7076e+00	3e-02	8e-03	1e-15	7e-04
6:	1.7112e+00	1.7112e+00	3e-04	9e-05	9e-16	8e-06
7:	1.7112e+00	1.7112e+00	3e-06	9e-07	8e-16	8e-08
8:	1.7112e+00	1.7112e+00	3e-08	9e-09	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.7250e-01	6.7049e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8930e+00	1.8909e+00	1e+00	3e-01	9e-16	4e-02
3:	1.9839e+00	1.9816e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9928e+00	1.9919e+00	7e-02	2e-02	2e-15	2e-03
5:	1.9999e+00	1.9999e+00	9e-04	3e-04	2e-15	2e-05
6:	2.0000e+00	2.0000e+00	9e-06	3e-06	3e-15	2e-07
7:	2.0000e+00	2.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.4611e-01	8.4356e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8370e+00	1.8352e+00	1e+00	3e-01	2e-15	4e-02
3:	1.8702e+00	1.8678e+00	4e-01	1e-01	3e-15	1e-02
4:	1.9120e+00	1.9115e+00	8e-02	2e-02	8e-16	2e-03
5:	1.9188e+00	1.9187e+00	1e-02	3e-03	5e-16	3e-04
6:	1.9211e+00	1.9211e+00	3e-03	1e-03	1e-15	1e-04
7:	1.9214e+00	1.9214e+00	1e-04	4e-05	7e-15	4e-06
8:	1.9214e+00	1.9214e+00	1e-06	4e-07	3e-15	4e-08
9:	1.9214e+00	1.9214e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2214e+00	1.2180e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9866e+00	1.9858e+00	6e-01	2e-01	5e-15	2e-02
3:	1.9998e+00	1.9998e+00	7e-03	2e-03	8e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.6698e-01	5.6419e-01	5e+00	1e+00	2e-16	2e-01
2:	1.6433e+00	1.6416e+00	1e+00	3e-01	5e-16	3e-02
3:	1.8494e+00	1.8487e+00	3e-01	8e-02	9e-16	8e-03
4:	1.8670e+00	1.8667e+00	3e-02	8e-03	3e-15	6e-04
5:	1.8709e+00	1.8708e+00	3e-04	8e-05	9e-16	6e-06
6:	1.8709e+00	1.8709e+00	3e-06	8e-07	1e-15	6e-08
7:	1.8709e+00	1.8709e+00	3e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.5610e-01	2.5509e-01	3e+00	1e+00	2e-16	1e-01
2:	9.8377e-01	9.8129e-01	8e-01	3e-01	3e-16	3e-02
3:	1.0971e+00	1.0961e+00	2e-01	6e-02	6e-16	7e-03
4:	1.1224e+00	1.1221e+00	4e-02	1e-02	4e-15	1e-03
5:	1.1243e+00	1.1243e+00	6e-04	2e-04	3e-15	2e-05
6:	1.1243e+00	1.1243e+00	6e-06	2e-06	2e-15	2e-07
7:	1.1243e+00	1.1243e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.1854e-01	2.1777e-01	3e+00	9e-01	2e-16	1e-01
2:	8.4553e-01	8.4305e-01	1e+00	3e-01	1e-15	4e-02
3:	9.2405e-01	9.2127e-01	2e-01	8e-02	1e-15	8e-03
4:	9.4159e-01	9.4053e-01	8e-02	3e-02	1e-15	2e-03
5:	9.5353e-01	9.5341e-01	9e-03	3e-03	2e-15	3e-04
6:	9.5459e-01	9.5459e-01	1e-04	3e-05	1e-15	3e-06
7:	9.5460e-01	9.5460e-01	1e-06	3e-07	7e-16	3e-08
8:	9.5460e-01	9.5460e-01	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	6.1413e-01	6.1275e-01	3e+00	1e+00	2e-16	1e-01
2:	1.8425e+00	1.8402e+00	9e-01	3e-01	4e-16	3e-02
3:	1.9229e+00	1.9216e+00	2e-01	5e-02	3e-15	5e-03
4:	1.9366e+00	1.9363e+00	2e-02	7e-03	3e-15	7e-04
5:	1.9379e+00	1.9379e+00	9e-04	3e-04	2e-14	2e-05
6:	1.9380e+00	1.9380e+00	9e-06	3e-06	3e-15	2e-07
7:	1.9380e+00	1.9380e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6164e-01	3.5978e-01	4e+00	1e+00	2e-16	2e-01
2:	1.0699e+00	1.0675e+00	1e+00	4e-01	5e-16	4e-02
3:	1.2073e+00	1.2067e+00	2e-01	6e-02	5e-16	7e-03
4:	1.2234e+00	1.2231e+00	2e-02	7e-03	1e-15	6e-04
5:	1.2270e+00	1.2270e+00	3e-04	9e-05	1e-15	8e-06
6:	1.2270e+00	1.2270e+00	3e-06	9e-07	8e-16	8e-08
7:	1.2270e+00	1.2270e+00	3e-08	9e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9810e-01	3.9596e-01	4e+00	1e+00	2e-16	2e-01
2:	1.3519e+00	1.3499e+00	1e+00	3e-01	3e-16	3e-02
3:	1.4859e+00	1.4841e+00	4e-01	1e-01	7e-16	1e-02
4:	1.4963e+00	1.4953e+00	1e-01	3e-02	2e-15	3e-03
5:	1.5081e+00	1.5076e+00	5e-02	2e-02	1e-15	1e-03
6:	1.5122e+00	1.5122e+00	3e-03	9e-04	1e-15	7e-05
7:	1.5125e+00	1.5125e+00	3e-05	9e-06	1e-15	7e-07
8:	1.5125e+00	1.5125e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9966e-01	8.9652e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9242e+00	1.9222e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9820e+00	1.9807e+00	2e-01	6e-02	3e-15	5e-03

4:	1.9998e+00	1.9998e+00	2e-03	6e-04	4e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.1187e-01	7.0989e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8360e+00	1.8337e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9170e+00	1.9138e+00	3e-01	1e-01	2e-15	1e-02
4:	1.9581e+00	1.9578e+00	3e-02	9e-03	1e-15	8e-04
5:	1.9645e+00	1.9644e+00	8e-03	3e-03	3e-15	2e-04
6:	1.9647e+00	1.9646e+00	5e-03	1e-03	2e-15	1e-04
7:	1.9653e+00	1.9653e+00	1e-04	4e-05	2e-15	3e-06
8:	1.9653e+00	1.9653e+00	1e-06	4e-07	2e-15	3e-08
9:	1.9653e+00	1.9653e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1653e-01	4.1470e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1967e+00	1.1942e+00	1e+00	4e-01	5e-16	5e-02
3:	1.3162e+00	1.3154e+00	3e-01	8e-02	8e-16	9e-03
4:	1.3504e+00	1.3501e+00	3e-02	1e-02	3e-15	9e-04
5:	1.3529e+00	1.3529e+00	4e-04	1e-04	2e-15	1e-05
6:	1.3529e+00	1.3529e+00	4e-06	1e-06	2e-15	1e-07
7:	1.3529e+00	1.3529e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7495e-01	5.7295e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6618e+00	1.6596e+00	9e-01	3e-01	7e-16	3e-02
3:	1.7661e+00	1.7648e+00	3e-01	9e-02	1e-15	9e-03
4:	1.7755e+00	1.7754e+00	5e-03	2e-03	2e-15	1e-04
5:	1.7760e+00	1.7760e+00	5e-05	2e-05	5e-16	1e-06
6:	1.7760e+00	1.7760e+00	5e-07	2e-07	1e-15	1e-08
7:	1.7760e+00	1.7760e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6075e-01	4.5896e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5693e+00	1.5671e+00	9e-01	3e-01	1e-15	3e-02
3:	1.6747e+00	1.6737e+00	2e-01	7e-02	8e-16	7e-03
4:	1.6808e+00	1.6804e+00	3e-02	9e-03	4e-15	8e-04
5:	1.6839e+00	1.6838e+00	5e-03	1e-03	8e-16	1e-04
6:	1.6845e+00	1.6845e+00	2e-04	6e-05	8e-16	5e-06
7:	1.6845e+00	1.6845e+00	2e-06	7e-07	3e-15	6e-08
8:	1.6845e+00	1.6845e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.4228e-01	3.4123e-01	3e+00	1e+00	2e-16	1e-01
2:	1.1380e+00	1.1355e+00	1e+00	4e-01	7e-16	5e-02
3:	1.2990e+00	1.2969e+00	3e-01	9e-02	2e-15	9e-03
4:	1.3141e+00	1.3129e+00	1e-01	4e-02	3e-15	3e-03
5:	1.3251e+00	1.3251e+00	2e-03	7e-04	1e-15	7e-05
6:	1.3254e+00	1.3254e+00	2e-05	7e-06	6e-16	7e-07
7:	1.3254e+00	1.3254e+00	2e-07	7e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.5911e-01	4.5759e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3461e+00	1.3437e+00	1e+00	3e-01	5e-16	4e-02
3:	1.3909e+00	1.3889e+00	3e-01	9e-02	3e-15	9e-03
4:	1.4281e+00	1.4278e+00	4e-02	1e-02	1e-15	1e-03
5:	1.4317e+00	1.4316e+00	4e-03	1e-03	7e-15	1e-04
6:	1.4321e+00	1.4321e+00	4e-05	1e-05	7e-16	1e-06
7:	1.4322e+00	1.4322e+00	4e-07	1e-07	7e-16	1e-08
8:	1.4322e+00	1.4322e+00	4e-09	1e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7024e-01	5.6830e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6123e+00	1.6099e+00	1e+00	4e-01	1e-15	5e-02
3:	1.8061e+00	1.8047e+00	4e-01	1e-01	2e-15	1e-02
4:	1.8099e+00	1.8091e+00	1e-01	3e-02	2e-15	3e-03
5:	1.8212e+00	1.8210e+00	3e-02	8e-03	2e-15	8e-04
6:	1.8234e+00	1.8234e+00	1e-03	4e-04	5e-15	3e-05
7:	1.8236e+00	1.8236e+00	1e-05	4e-06	9e-16	3e-07
8:	1.8236e+00	1.8236e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.7832e-01	6.7604e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5795e+00	1.5772e+00	1e+00	5e-01	8e-16	5e-02
3:	1.5941e+00	1.5905e+00	5e-01	1e-01	6e-15	1e-02
4:	1.6754e+00	1.6742e+00	1e-01	5e-02	2e-15	4e-03
5:	1.6883e+00	1.6881e+00	2e-02	7e-03	1e-15	5e-04
6:	1.6907e+00	1.6907e+00	3e-03	9e-04	8e-16	7e-05
7:	1.6911e+00	1.6911e+00	8e-04	3e-04	6e-16	2e-05
8:	1.6912e+00	1.6912e+00	6e-05	2e-05	1e-15	2e-06
9:	1.6912e+00	1.6912e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.5139e-01	5.4953e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4006e+00	1.3982e+00	1e+00	4e-01	2e-15	5e-02
3:	1.4805e+00	1.4775e+00	3e-01	1e-01	1e-15	9e-03

4:	1.5369e+00	1.5365e+00	4e-02	1e-02	6e-16	1e-03
5:	1.5403e+00	1.5403e+00	3e-03	1e-03	5e-15	9e-05
6:	1.5408e+00	1.5408e+00	4e-05	1e-05	4e-16	9e-07
7:	1.5408e+00	1.5408e+00	4e-07	1e-07	7e-16	9e-09
8:	1.5408e+00	1.5408e+00	4e-09	1e-09	7e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.1340e-02	7.0991e-02	2e+00	7e-01	2e-16	1e-01
2:	4.6392e-01	4.6160e-01	6e-01	2e-01	3e-16	2e-02
3:	5.2220e-01	5.2091e-01	1e-01	3e-02	1e-15	3e-03
4:	5.3668e-01	5.3641e-01	2e-02	6e-03	6e-16	6e-04
5:	5.3754e-01	5.3752e-01	1e-03	4e-04	3e-15	3e-05
6:	5.3768e-01	5.3768e-01	1e-05	4e-06	2e-15	3e-07
7:	5.3768e-01	5.3768e-01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3827e-01	7.3560e-01	5e+00	1e+00	3e-16	2e-01
2:	1.6591e+00	1.6569e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9027e+00	1.9017e+00	4e-01	1e-01	9e-16	1e-02
4:	1.9399e+00	1.9395e+00	1e-01	4e-02	9e-16	5e-03
5:	1.9462e+00	1.9461e+00	8e-03	3e-03	3e-15	2e-04
6:	1.9471e+00	1.9471e+00	8e-05	3e-05	2e-15	2e-06
7:	1.9471e+00	1.9471e+00	8e-07	3e-07	7e-16	2e-08
8:	1.9471e+00	1.9471e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.8020e-01	5.7825e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7138e+00	1.7115e+00	1e+00	4e-01	1e-15	4e-02
3:	1.8809e+00	1.8800e+00	3e-01	1e-01	1e-15	1e-02
4:	1.8872e+00	1.8867e+00	6e-02	2e-02	8e-15	2e-03
5:	1.8955e+00	1.8953e+00	1e-02	5e-03	2e-15	4e-04
6:	1.8970e+00	1.8970e+00	2e-04	7e-05	2e-15	6e-06
7:	1.8970e+00	1.8970e+00	2e-06	7e-07	2e-15	6e-08
8:	1.8970e+00	1.8970e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.7197e-01	5.6936e-01	5e+00	1e+00	3e-16	2e-01
2:	1.3995e+00	1.3975e+00	1e+00	4e-01	1e-15	4e-02
3:	1.4648e+00	1.4639e+00	2e-01	5e-02	1e-15	5e-03
4:	1.4908e+00	1.4907e+00	2e-02	6e-03	3e-16	6e-04
5:	1.4934e+00	1.4934e+00	3e-04	1e-04	6e-16	9e-06
6:	1.4935e+00	1.4935e+00	3e-06	1e-06	4e-16	9e-08
7:	1.4935e+00	1.4935e+00	3e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.5649e-01	1.5578e-01	3e+00	9e-01	2e-16	1e-01
2:	6.5485e-01	6.5236e-01	9e-01	3e-01	7e-16	4e-02
3:	7.6639e-01	7.6562e-01	2e-01	7e-02	5e-16	9e-03
4:	7.8331e-01	7.8288e-01	5e-02	2e-02	1e-15	2e-03
5:	7.8820e-01	7.8819e-01	1e-03	3e-04	2e-15	3e-05
6:	7.8829e-01	7.8829e-01	1e-05	3e-06	1e-15	3e-07
7:	7.8829e-01	7.8829e-01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7907e-01	6.7639e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5364e+00	1.5341e+00	2e+00	5e-01	3e-15	5e-02
3:	1.7158e+00	1.7152e+00	3e-01	1e-01	1e-15	1e-02
4:	1.7334e+00	1.7333e+00	2e-02	6e-03	1e-15	6e-04
5:	1.7351e+00	1.7351e+00	2e-04	6e-05	7e-16	7e-06
6:	1.7351e+00	1.7351e+00	2e-06	6e-07	9e-16	7e-08
7:	1.7351e+00	1.7351e+00	2e-08	6e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.2350e-01	2.2241e-01	3e+00	1e+00	2e-16	1e-01
2:	8.1453e-01	8.1200e-01	1e+00	3e-01	6e-16	4e-02
3:	8.4795e-01	8.4649e-01	2e-01	8e-02	4e-16	8e-03
4:	8.8559e-01	8.8519e-01	6e-02	2e-02	7e-16	2e-03
5:	8.9162e-01	8.9152e-01	1e-02	4e-03	1e-15	5e-04
6:	8.9237e-01	8.9236e-01	4e-04	1e-04	2e-15	1e-05
7:	8.9242e-01	8.9242e-01	4e-06	1e-06	1e-15	1e-07
8:	8.9242e-01	8.9242e-01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.1798e-01	4.1681e-01	3e+00	1e+00	2e-16	1e-01
2:	1.5578e+00	1.5554e+00	9e-01	3e-01	9e-16	4e-02
3:	1.5959e+00	1.5944e+00	1e-01	4e-02	1e-15	4e-03
4:	1.6184e+00	1.6184e+00	1e-03	5e-04	8e-16	4e-05
5:	1.6186e+00	1.6186e+00	1e-05	5e-06	9e-16	4e-07
6:	1.6186e+00	1.6186e+00	1e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9332e-01	7.9049e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8531e+00	1.8512e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9314e+00	1.9297e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9875e+00	1.9872e+00	9e-02	3e-02	1e-15	3e-03
5:	2.0073e+00	2.0072e+00	2e-02	8e-03	9e-16	7e-04
6:	2.0098e+00	2.0098e+00	4e-03	1e-03	5e-15	1e-04

7:	2.0104e+00	2.0104e+00	4e-05	1e-05	2e-15	1e-06
8:	2.0104e+00	2.0104e+00	4e-07	1e-07	3e-15	1e-08
9:	2.0104e+00	2.0104e+00	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.4787e-02	7.4603e-02	2e+00	5e-01	2e-16	8e-02
2:	4.9759e-01	4.9558e-01	6e-01	2e-01	3e-16	3e-02
3:	5.4809e-01	5.4522e-01	2e-01	5e-02	6e-16	5e-03
4:	5.7395e-01	5.7355e-01	2e-02	7e-03	6e-16	6e-04
5:	5.7561e-01	5.7560e-01	5e-04	2e-04	2e-15	1e-05
6:	5.7566e-01	5.7566e-01	5e-06	2e-06	1e-15	1e-07
7:	5.7566e-01	5.7566e-01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.8252e-01	3.8116e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2189e+00	1.2165e+00	1e+00	3e-01	7e-16	4e-02
3:	1.2649e+00	1.2621e+00	3e-01	1e-01	2e-15	1e-02
4:	1.2953e+00	1.2950e+00	3e-02	1e-02	9e-16	9e-04
5:	1.3001e+00	1.2999e+00	1e-02	4e-03	6e-16	3e-04
6:	1.3010e+00	1.3010e+00	5e-04	2e-04	1e-15	1e-05
7:	1.3011e+00	1.3011e+00	5e-06	2e-06	2e-15	1e-07
8:	1.3011e+00	1.3011e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7215e-01	3.7028e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1446e+00	1.1421e+00	1e+00	4e-01	1e-15	5e-02
3:	1.3102e+00	1.3093e+00	3e-01	1e-01	6e-16	1e-02
4:	1.3180e+00	1.3170e+00	9e-02	3e-02	2e-15	3e-03
5:	1.3292e+00	1.3292e+00	3e-03	1e-03	1e-15	8e-05
6:	1.3295e+00	1.3295e+00	1e-03	4e-04	7e-16	4e-05
7:	1.3296e+00	1.3296e+00	1e-05	5e-06	2e-15	4e-07
8:	1.3296e+00	1.3296e+00	1e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4751e+00	1.4729e+00	6e+00	2e+00	2e-16	2e-01
2:	2.2978e+00	2.2967e+00	2e+00	5e-01	9e-16	4e-02
3:	2.6669e+00	2.6665e+00	5e-01	1e-01	1e-15	1e-02
4:	2.7368e+00	2.7367e+00	4e-02	1e-02	2e-15	9e-04
5:	2.7413e+00	2.7413e+00	4e-04	1e-04	3e-15	9e-06
6:	2.7414e+00	2.7414e+00	4e-06	1e-06	2e-15	9e-08
7:	2.7414e+00	2.7414e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	6.7459e-01	6.7209e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5450e+00	1.5428e+00	1e+00	4e-01	5e-16	5e-02
3:	1.6499e+00	1.6494e+00	2e-01	6e-02	7e-16	7e-03
4:	1.6959e+00	1.6957e+00	5e-02	2e-02	1e-15	2e-03
5:	1.6999e+00	1.6999e+00	4e-03	1e-03	1e-14	1e-04
6:	1.7005e+00	1.7005e+00	4e-05	1e-05	1e-15	1e-06
7:	1.7005e+00	1.7005e+00	4e-07	1e-07	2e-15	1e-08
8:	1.7005e+00	1.7005e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5744e+00	1.5721e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7032e+00	2.7024e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9123e+00	2.9120e+00	3e-01	1e-01	3e-15	9e-03
4:	2.9945e+00	2.9944e+00	5e-02	2e-02	8e-16	1e-03
5:	2.9985e+00	2.9985e+00	1e-02	3e-03	4e-14	3e-04
6:	3.0000e+00	3.0000e+00	4e-04	1e-04	8e-14	1e-05
7:	3.0000e+00	3.0000e+00	4e-06	1e-06	8e-14	1e-07
8:	3.0000e+00	3.0000e+00	4e-08	1e-08	9e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.8435e-01	2.8359e-01	3e+00	9e-01	2e-16	1e-01
2:	1.1406e+00	1.1382e+00	8e-01	2e-01	6e-16	3e-02
3:	1.1574e+00	1.1548e+00	4e-01	1e-01	2e-15	2e-02
4:	1.1907e+00	1.1902e+00	9e-02	3e-02	1e-15	3e-03
5:	1.1985e+00	1.1985e+00	2e-03	6e-04	1e-15	6e-05
6:	1.1987e+00	1.1987e+00	2e-05	6e-06	7e-16	6e-07
7:	1.1987e+00	1.1987e+00	2e-07	6e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.8593e-01	1.8482e-01	3e+00	1e+00	2e-16	1e-01
2:	6.4693e-01	6.4435e-01	1e+00	4e-01	4e-16	5e-02
3:	8.1559e-01	8.1491e-01	1e-01	4e-02	8e-16	4e-03
4:	8.1607e-01	8.1560e-01	4e-02	1e-02	5e-15	1e-03
5:	8.2394e-01	8.2391e-01	2e-03	7e-04	9e-16	7e-05
6:	8.2440e-01	8.2440e-01	2e-05	7e-06	5e-16	7e-07
7:	8.2440e-01	8.2440e-01	2e-07	7e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3786e+00	1.3754e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5397e+00	2.5382e+00	1e+00	4e-01	2e-15	4e-02
3:	2.7296e+00	2.7285e+00	4e-01	1e-01	5e-15	1e-02
4:	2.7687e+00	2.7684e+00	8e-02	2e-02	7e-15	2e-03
5:	2.7731e+00	2.7730e+00	2e-02	5e-03	7e-15	4e-04
6:	2.7759e+00	2.7759e+00	2e-04	6e-05	6e-16	5e-06



7:	2.7760e+00	2.7760e+00	2e-06	6e-07	1e-15	5e-08
8:	2.7760e+00	2.7760e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.6529e-01	5.6377e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6336e+00	1.6312e+00	1e+00	3e-01	1e-15	4e-02
3:	1.6948e+00	1.6938e+00	3e-01	1e-01	2e-15	1e-02
4:	1.7125e+00	1.7125e+00	1e-02	5e-03	4e-15	5e-04
5:	1.7133e+00	1.7133e+00	1e-04	5e-05	9e-16	5e-06
6:	1.7134e+00	1.7134e+00	1e-06	5e-07	9e-16	5e-08
7:	1.7134e+00	1.7134e+00	1e-08	5e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.1252e-01	7.1027e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9901e+00	1.9879e+00	1e+00	3e-01	8e-16	4e-02
3:	2.1147e+00	2.1136e+00	4e-01	1e-01	1e-15	1e-02
4:	2.1329e+00	2.1325e+00	9e-02	3e-02	1e-15	3e-03
5:	2.1352e+00	2.1351e+00	4e-03	1e-03	3e-15	9e-05
6:	2.1356e+00	2.1356e+00	4e-05	1e-05	1e-15	9e-07
7:	2.1356e+00	2.1356e+00	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1935e-01	9.1646e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8393e+00	1.8372e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9298e+00	1.9289e+00	2e-01	6e-02	1e-15	6e-03
4:	1.9592e+00	1.9589e+00	5e-02	2e-02	4e-16	2e-03
5:	1.9644e+00	1.9644e+00	9e-04	3e-04	8e-16	2e-05
6:	1.9645e+00	1.9645e+00	9e-06	3e-06	5e-16	2e-07
7:	1.9645e+00	1.9645e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0907e+00	1.0876e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1325e+00	2.1310e+00	1e+00	3e-01	9e-16	3e-02
3:	2.2388e+00	2.2379e+00	3e-01	9e-02	5e-15	9e-03
4:	2.2561e+00	2.2559e+00	5e-02	2e-02	3e-15	1e-03
5:	2.2627e+00	2.2627e+00	9e-03	3e-03	3e-15	3e-04
6:	2.2633e+00	2.2633e+00	1e-04	3e-05	3e-15	3e-06
7:	2.2633e+00	2.2633e+00	1e-06	3e-07	3e-15	3e-08
8:	2.2633e+00	2.2633e+00	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.4796e-01	5.4569e-01	4e+00	1e+00	2e-16	2e-01
2:	1.3092e+00	1.3069e+00	1e+00	5e-01	2e-15	5e-02

3:	1.3738e+00	1.3718e+00	3e-01	1e-01	2e-15	1e-02
4:	1.4329e+00	1.4321e+00	1e-01	4e-02	1e-15	3e-03
5:	1.4405e+00	1.4404e+00	8e-03	3e-03	9e-16	2e-04
6:	1.4415e+00	1.4415e+00	8e-05	3e-05	6e-16	2e-06
7:	1.4415e+00	1.4415e+00	8e-07	3e-07	8e-16	2e-08
8:	1.4415e+00	1.4415e+00	8e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3846e-01	7.3575e-01	5e+00	1e+00	1e-16	2e-01
2:	1.9800e+00	1.9780e+00	1e+00	3e-01	1e-15	4e-02
3:	2.1249e+00	2.1230e+00	4e-01	1e-01	1e-15	1e-02
4:	2.1445e+00	2.1438e+00	9e-02	3e-02	2e-15	2e-03
5:	2.1568e+00	2.1568e+00	2e-03	8e-04	1e-15	7e-05
6:	2.1571e+00	2.1571e+00	2e-05	8e-06	9e-16	7e-07
7:	2.1571e+00	2.1571e+00	2e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.1587e-01	4.1478e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4340e+00	1.4317e+00	8e-01	2e-01	7e-16	3e-02
3:	1.4116e+00	1.4087e+00	4e-01	1e-01	2e-15	1e-02
4:	1.4680e+00	1.4675e+00	6e-02	2e-02	8e-16	2e-03
5:	1.4753e+00	1.4751e+00	2e-02	5e-03	4e-15	5e-04
6:	1.4786e+00	1.4786e+00	3e-04	8e-05	9e-16	7e-06
7:	1.4786e+00	1.4786e+00	3e-06	8e-07	1e-15	7e-08
8:	1.4786e+00	1.4786e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.9872e-01	4.9646e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2134e+00	1.2109e+00	2e+00	5e-01	6e-16	6e-02
3:	1.3862e+00	1.3851e+00	2e-01	8e-02	2e-15	8e-03
4:	1.3980e+00	1.3976e+00	5e-02	2e-02	1e-15	2e-03
5:	1.4064e+00	1.4064e+00	7e-04	2e-04	7e-16	2e-05
6:	1.4065e+00	1.4065e+00	7e-06	2e-06	1e-15	2e-07
7:	1.4065e+00	1.4065e+00	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	9.2633e-01	9.2417e-01	4e+00	1e+00	3e-16	2e-01
2:	2.5120e+00	2.5098e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5822e+00	2.5801e+00	6e-01	2e-01	2e-15	2e-02
4:	2.6593e+00	2.6586e+00	2e-01	5e-02	1e-15	5e-03
5:	2.6735e+00	2.6735e+00	3e-03	8e-04	3e-15	8e-05
6:	2.6739e+00	2.6739e+00	3e-05	8e-06	2e-15	8e-07
7:	2.6739e+00	2.6739e+00	3e-07	8e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2791e+00	1.2758e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5808e+00	2.5791e+00	2e+00	5e-01	1e-15	5e-02
3:	2.8595e+00	2.8584e+00	4e-01	1e-01	2e-15	1e-02
4:	2.8798e+00	2.8795e+00	7e-02	2e-02	4e-15	2e-03
5:	2.8927e+00	2.8927e+00	9e-04	3e-04	8e-16	2e-05
6:	2.8928e+00	2.8928e+00	9e-06	3e-06	1e-15	2e-07
7:	2.8928e+00	2.8928e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1438e+00	1.1405e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2938e+00	2.2923e+00	1e+00	4e-01	6e-16	4e-02
3:	2.3707e+00	2.3695e+00	3e-01	1e-01	2e-15	1e-02
4:	2.4415e+00	2.4412e+00	7e-02	2e-02	6e-16	2e-03
5:	2.4457e+00	2.4455e+00	2e-02	6e-03	8e-15	5e-04
6:	2.4487e+00	2.4487e+00	2e-04	8e-05	6e-16	7e-06
7:	2.4487e+00	2.4487e+00	2e-06	8e-07	2e-15	7e-08
8:	2.4487e+00	2.4487e+00	2e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.9218e-01	1.9159e-01	3e+00	8e-01	2e-16	1e-01
2:	9.3894e-01	9.3650e-01	6e-01	2e-01	4e-16	3e-02
3:	1.0133e+00	1.0121e+00	2e-01	5e-02	9e-16	6e-03
4:	1.0148e+00	1.0144e+00	3e-02	8e-03	2e-15	7e-04
5:	1.0179e+00	1.0179e+00	9e-04	3e-04	2e-15	2e-05
6:	1.0180e+00	1.0180e+00	9e-06	3e-06	2e-15	2e-07
7:	1.0180e+00	1.0180e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2111e+00	1.2078e+00	5e+00	2e+00	1e-16	2e-01
2:	2.1099e+00	2.1081e+00	2e+00	6e-01	1e-15	5e-02
3:	2.3341e+00	2.3333e+00	5e-01	2e-01	1e-15	2e-02
4:	2.3879e+00	2.3877e+00	8e-02	3e-02	2e-15	2e-03
5:	2.3923e+00	2.3923e+00	6e-03	2e-03	3e-15	2e-04
6:	2.3931e+00	2.3931e+00	6e-05	2e-05	4e-16	2e-06
7:	2.3931e+00	2.3931e+00	6e-07	2e-07	3e-16	2e-08
8:	2.3931e+00	2.3931e+00	6e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.7089e-01	6.6864e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6194e+00	1.6171e+00	2e+00	5e-01	1e-15	5e-02
3:	1.6704e+00	1.6666e+00	4e-01	1e-01	5e-15	1e-02
4:	1.7295e+00	1.7287e+00	1e-01	3e-02	1e-15	3e-03

5:	1.7377e+00	1.7376e+00	1e-02	4e-03	2e-15	4e-04
6:	1.7397e+00	1.7397e+00	2e-03	5e-04	6e-16	4e-05
7:	1.7398e+00	1.7398e+00	2e-05	5e-06	1e-15	4e-07
8:	1.7398e+00	1.7398e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.2722e-01	9.2478e-01	4e+00	1e+00	3e-16	2e-01
2:	2.1240e+00	2.1216e+00	2e+00	6e-01	2e-15	6e-02
3:	2.4103e+00	2.4077e+00	4e-01	1e-01	1e-15	1e-02
4:	2.4495e+00	2.4490e+00	5e-02	2e-02	2e-15	1e-03
5:	2.4551e+00	2.4551e+00	1e-03	4e-04	5e-15	3e-05
6:	2.4552e+00	2.4552e+00	1e-05	4e-06	1e-14	3e-07
7:	2.4552e+00	2.4552e+00	1e-07	4e-08	9e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0169e+00	1.0145e+00	4e+00	1e+00	2e-16	2e-01
2:	2.4270e+00	2.4250e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5474e+00	2.5457e+00	3e-01	1e-01	2e-15	1e-02
4:	2.5705e+00	2.5704e+00	2e-02	5e-03	4e-15	5e-04
5:	2.5720e+00	2.5720e+00	4e-04	1e-04	1e-14	1e-05
6:	2.5720e+00	2.5720e+00	4e-06	1e-06	3e-15	1e-07
7:	2.5720e+00	2.5720e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1532e+00	1.1504e+00	5e+00	2e+00	3e-16	1e-01
2:	2.0567e+00	2.0555e+00	2e+00	5e-01	8e-16	4e-02
3:	2.2057e+00	2.2055e+00	2e-01	6e-02	1e-15	5e-03
4:	2.2368e+00	2.2368e+00	1e-02	4e-03	5e-16	4e-04
5:	2.2383e+00	2.2383e+00	1e-04	4e-05	6e-16	4e-06
6:	2.2383e+00	2.2383e+00	1e-06	4e-07	5e-16	4e-08
7:	2.2383e+00	2.2383e+00	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.0002e-01	6.9804e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8595e+00	1.8573e+00	1e+00	3e-01	8e-16	3e-02
3:	1.9242e+00	1.9237e+00	2e-01	5e-02	5e-16	6e-03
4:	1.9265e+00	1.9263e+00	3e-02	9e-03	8e-15	9e-04
5:	1.9295e+00	1.9295e+00	3e-04	1e-04	4e-16	9e-06
6:	1.9295e+00	1.9295e+00	3e-06	1e-06	5e-16	9e-08
7:	1.9295e+00	1.9295e+00	3e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.9383e-01	3.9245e-01	3e+00	1e+00	2e-16	1e-01

2:	1.2140e+00	1.2115e+00	1e+00	4e-01	9e-16	5e-02
3:	1.3284e+00	1.3250e+00	3e-01	9e-02	2e-15	8e-03
4:	1.3529e+00	1.3524e+00	3e-02	1e-02	2e-15	8e-04
5:	1.3566e+00	1.3565e+00	3e-03	8e-04	9e-16	7e-05
6:	1.3569e+00	1.3569e+00	3e-05	9e-06	5e-16	7e-07
7:	1.3569e+00	1.3569e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2441e-01	4.2267e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2636e+00	1.2612e+00	1e+00	4e-01	1e-15	4e-02
3:	1.4481e+00	1.4465e+00	4e-01	1e-01	5e-16	2e-02
4:	1.4751e+00	1.4747e+00	4e-02	1e-02	8e-16	1e-03
5:	1.4779e+00	1.4779e+00	4e-04	1e-04	1e-15	1e-05
6:	1.4779e+00	1.4779e+00	4e-06	1e-06	1e-15	1e-07
7:	1.4779e+00	1.4779e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1732e-01	9.1467e-01	5e+00	1e+00	3e-16	2e-01
2:	2.0118e+00	2.0095e+00	2e+00	5e-01	2e-15	6e-02
3:	2.1797e+00	2.1783e+00	3e-01	1e-01	2e-15	1e-02
4:	2.2020e+00	2.2018e+00	2e-02	8e-03	1e-15	7e-04
5:	2.2049e+00	2.2049e+00	2e-03	7e-04	8e-16	6e-05
6:	2.2052e+00	2.2052e+00	3e-05	8e-06	1e-15	7e-07
7:	2.2052e+00	2.2052e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3226e+00	1.3192e+00	6e+00	2e+00	2e-16	2e-01
2:	2.1878e+00	2.1846e+00	2e+00	6e-01	2e-15	5e-02
3:	2.3182e+00	2.3176e+00	3e-01	8e-02	2e-15	8e-03
4:	2.3757e+00	2.3756e+00	5e-02	2e-02	9e-16	1e-03
5:	2.3790e+00	2.3790e+00	1e-02	3e-03	6e-15	3e-04
6:	2.3805e+00	2.3805e+00	1e-04	4e-05	7e-16	3e-06
7:	2.3805e+00	2.3805e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.0058e-01	5.9789e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8001e+00	1.7983e+00	9e-01	3e-01	8e-16	3e-02
3:	1.8169e+00	1.8144e+00	5e-01	2e-01	1e-15	2e-02
4:	1.8912e+00	1.8908e+00	8e-02	2e-02	6e-16	2e-03
5:	1.8986e+00	1.8986e+00	6e-03	2e-03	5e-15	2e-04
6:	1.8989e+00	1.8989e+00	9e-04	3e-04	3e-14	2e-05
7:	1.8990e+00	1.8990e+00	1e-05	3e-06	4e-15	3e-07
8:	1.8990e+00	1.8990e+00	1e-07	3e-08	7e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.2643e-01	7.2427e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7037e+00	1.7016e+00	1e+00	4e-01	1e-15	4e-02
3:	1.8660e+00	1.8650e+00	3e-01	1e-01	9e-16	1e-02
4:	1.8872e+00	1.8868e+00	4e-02	1e-02	4e-15	1e-03
5:	1.8916e+00	1.8916e+00	4e-04	1e-04	1e-15	1e-05
6:	1.8916e+00	1.8916e+00	4e-06	1e-06	7e-16	1e-07
7:	1.8916e+00	1.8916e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.3398e-01	3.3210e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2346e+00	1.2326e+00	8e-01	2e-01	7e-16	3e-02
3:	1.1980e+00	1.1943e+00	4e-01	1e-01	1e-15	1e-02
4:	1.2780e+00	1.2773e+00	8e-02	2e-02	7e-16	2e-03
5:	1.2900e+00	1.2899e+00	2e-02	6e-03	6e-16	6e-04
6:	1.2929e+00	1.2929e+00	1e-03	3e-04	2e-15	3e-05
7:	1.2930e+00	1.2930e+00	1e-05	4e-06	4e-15	3e-07
8:	1.2931e+00	1.2931e+00	1e-07	4e-08	9e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1220e+00	1.1188e+00	6e+00	2e+00	2e-16	2e-01
2:	2.2612e+00	2.2595e+00	2e+00	5e-01	1e-15	5e-02
3:	2.4625e+00	2.4612e+00	4e-01	1e-01	8e-16	9e-03
4:	2.5039e+00	2.5038e+00	4e-02	1e-02	8e-16	1e-03
5:	2.5080e+00	2.5080e+00	5e-04	1e-04	2e-15	1e-05
6:	2.5081e+00	2.5081e+00	5e-06	1e-06	1e-15	1e-07
7:	2.5081e+00	2.5081e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.4164e-01	8.3876e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0141e+00	2.0122e+00	1e+00	3e-01	1e-15	4e-02
3:	2.1608e+00	2.1590e+00	4e-01	1e-01	3e-15	1e-02
4:	2.1956e+00	2.1953e+00	5e-02	2e-02	2e-15	1e-03
5:	2.2014e+00	2.2014e+00	2e-03	6e-04	4e-15	5e-05
6:	2.2016e+00	2.2016e+00	2e-05	6e-06	2e-15	5e-07
7:	2.2016e+00	2.2016e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.5018e-01	3.4878e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0734e+00	1.0710e+00	1e+00	3e-01	6e-16	4e-02
3:	1.1730e+00	1.1715e+00	2e-01	7e-02	1e-15	7e-03
4:	1.2219e+00	1.2215e+00	5e-02	2e-02	1e-15	2e-03
5:	1.2213e+00	1.2210e+00	3e-02	9e-03	6e-15	8e-04

6:	1.2249e+00	1.2249e+00	8e-04	3e-04	2e-15	2e-05
7:	1.2250e+00	1.2250e+00	8e-06	3e-06	5e-15	2e-07
8:	1.2250e+00	1.2250e+00	8e-08	3e-08	9e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.4255e-01	4.4117e-01	3e+00	1e+00	2e-16	1e-01
2:	1.5200e+00	1.5177e+00	1e+00	3e-01	4e-16	4e-02
3:	1.5306e+00	1.5264e+00	4e-01	1e-01	1e-15	1e-02
4:	1.5839e+00	1.5830e+00	7e-02	2e-02	7e-16	2e-03
5:	1.5949e+00	1.5949e+00	2e-03	5e-04	2e-15	4e-05
6:	1.5951e+00	1.5951e+00	2e-05	5e-06	9e-16	4e-07
7:	1.5951e+00	1.5951e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.6475e-01	7.6144e-01	5e+00	2e+00	2e-16	2e-01
2:	1.6255e+00	1.6242e+00	8e-01	2e-01	8e-16	2e-02
3:	1.7648e+00	1.7646e+00	9e-02	3e-02	6e-16	3e-03
4:	1.7758e+00	1.7757e+00	5e-03	1e-03	2e-15	1e-04
5:	1.7761e+00	1.7761e+00	3e-04	1e-04	1e-13	8e-06
6:	1.7762e+00	1.7762e+00	3e-06	1e-06	3e-14	8e-08
7:	1.7762e+00	1.7762e+00	3e-08	1e-08	3e-14	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.0485e-01	4.0358e-01	3e+00	1e+00	3e-16	1e-01
2:	1.4115e+00	1.4091e+00	1e+00	3e-01	6e-16	4e-02
3:	1.4654e+00	1.4628e+00	3e-01	1e-01	1e-15	1e-02
4:	1.4976e+00	1.4971e+00	5e-02	2e-02	2e-15	2e-03
5:	1.5055e+00	1.5054e+00	6e-03	2e-03	4e-16	2e-04
6:	1.5061e+00	1.5060e+00	1e-03	4e-04	8e-15	4e-05
7:	1.5063e+00	1.5063e+00	1e-05	5e-06	1e-15	4e-07
8:	1.5063e+00	1.5063e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6148e-01	4.5970e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2068e+00	1.2045e+00	1e+00	4e-01	1e-15	4e-02
3:	1.3287e+00	1.3279e+00	1e-01	4e-02	1e-15	4e-03
4:	1.3384e+00	1.3383e+00	7e-03	2e-03	2e-15	2e-04
5:	1.3394e+00	1.3394e+00	7e-05	2e-05	5e-16	2e-06
6:	1.3394e+00	1.3394e+00	7e-07	2e-07	4e-16	2e-08
7:	1.3394e+00	1.3394e+00	7e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8044e-01	8.7725e-01	5e+00	2e+00	2e-16	2e-01

2:	1.9025e+00	1.9008e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9817e+00	1.9814e+00	2e-01	5e-02	8e-16	5e-03
4:	2.0215e+00	2.0213e+00	6e-02	2e-02	1e-15	2e-03
5:	2.0246e+00	2.0246e+00	3e-03	8e-04	3e-15	6e-05
6:	2.0250e+00	2.0250e+00	3e-05	8e-06	1e-15	6e-07
7:	2.0250e+00	2.0250e+00	3e-07	8e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0375e-01	5.0124e-01	4e+00	1e+00	2e-16	2e-01
2:	1.3274e+00	1.3253e+00	1e+00	3e-01	1e-15	3e-02
3:	1.3870e+00	1.3866e+00	1e-01	5e-02	4e-16	5e-03
4:	1.4021e+00	1.4020e+00	1e-02	4e-03	3e-15	3e-04
5:	1.4038e+00	1.4038e+00	1e-04	4e-05	4e-16	4e-06
6:	1.4038e+00	1.4038e+00	1e-06	4e-07	6e-16	4e-08
7:	1.4038e+00	1.4038e+00	1e-08	4e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.2922e-01	6.2658e-01	5e+00	1e+00	2e-16	2e-01
2:	1.4975e+00	1.4954e+00	1e+00	4e-01	1e-15	4e-02
3:	1.7220e+00	1.7210e+00	5e-01	1e-01	7e-16	2e-02
4:	1.7480e+00	1.7472e+00	1e-01	4e-02	3e-15	4e-03
5:	1.7627e+00	1.7626e+00	8e-03	2e-03	2e-15	2e-04
6:	1.7635e+00	1.7635e+00	8e-05	3e-05	4e-15	2e-06
7:	1.7635e+00	1.7635e+00	8e-07	3e-07	4e-15	2e-08
8:	1.7635e+00	1.7635e+00	8e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.8477e-01	1.8382e-01	3e+00	1e+00	2e-16	1e-01
2:	7.9162e-01	7.8941e-01	9e-01	3e-01	3e-16	4e-02
3:	8.8633e-01	8.8390e-01	2e-01	6e-02	4e-16	6e-03
4:	9.0585e-01	9.0543e-01	3e-02	9e-03	1e-15	8e-04
5:	9.1038e-01	9.1037e-01	4e-04	1e-04	1e-15	1e-05
6:	9.1043e-01	9.1043e-01	4e-06	1e-06	1e-15	1e-07
7:	9.1043e-01	9.1043e-01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4473e-01	3.4309e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0150e+00	1.0124e+00	1e+00	4e-01	1e-15	5e-02
3:	1.2263e+00	1.2256e+00	2e-01	7e-02	5e-16	8e-03
4:	1.2303e+00	1.2298e+00	5e-02	2e-02	2e-15	2e-03
5:	1.2366e+00	1.2366e+00	6e-04	2e-04	9e-16	2e-05
6:	1.2367e+00	1.2367e+00	6e-06	2e-06	8e-16	2e-07
7:	1.2367e+00	1.2367e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9514e-01	7.9225e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8060e+00	1.8041e+00	1e+00	4e-01	2e-15	4e-02
3:	2.0116e+00	2.0111e+00	2e-01	8e-02	2e-15	8e-03
4:	2.0280e+00	2.0278e+00	2e-02	7e-03	4e-15	7e-04
5:	2.0310e+00	2.0310e+00	2e-04	8e-05	9e-16	7e-06
6:	2.0311e+00	2.0311e+00	2e-06	8e-07	9e-16	7e-08
7:	2.0311e+00	2.0311e+00	2e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	5.4609e-01	5.4468e-01	3e+00	1e+00	2e-16	1e-01
2:	1.6606e+00	1.6584e+00	9e-01	3e-01	1e-15	3e-02
3:	1.7276e+00	1.7260e+00	2e-01	6e-02	2e-15	7e-03
4:	1.7596e+00	1.7594e+00	2e-02	6e-03	2e-15	6e-04
5:	1.7609e+00	1.7609e+00	5e-04	2e-04	2e-14	2e-05
6:	1.7610e+00	1.7610e+00	5e-06	2e-06	9e-15	2e-07
7:	1.7610e+00	1.7610e+00	5e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5909e-01	7.5629e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7964e+00	1.7943e+00	1e+00	4e-01	1e-15	5e-02
3:	1.8945e+00	1.8925e+00	3e-01	9e-02	3e-15	8e-03
4:	1.9356e+00	1.9353e+00	5e-02	1e-02	6e-16	1e-03
5:	1.9401e+00	1.9401e+00	1e-03	4e-04	9e-16	3e-05
6:	1.9402e+00	1.9402e+00	1e-05	4e-06	9e-16	3e-07
7:	1.9402e+00	1.9402e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6901e-01	9.6654e-01	4e+00	1e+00	2e-16	2e-01
2:	2.2836e+00	2.2814e+00	1e+00	5e-01	2e-15	5e-02
3:	2.3630e+00	2.3596e+00	4e-01	1e-01	3e-15	1e-02
4:	2.4043e+00	2.4037e+00	8e-02	2e-02	1e-15	2e-03
5:	2.4155e+00	2.4154e+00	8e-03	3e-03	1e-15	2e-04
6:	2.4162e+00	2.4162e+00	8e-05	3e-05	2e-15	2e-06
7:	2.4162e+00	2.4162e+00	8e-07	3e-07	1e-15	2e-08
8:	2.4162e+00	2.4162e+00	8e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.8221e-01	5.7919e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4154e+00	1.4139e+00	9e-01	3e-01	2e-15	3e-02
3:	1.5770e+00	1.5761e+00	2e-01	8e-02	8e-16	7e-03
4:	1.5900e+00	1.5897e+00	5e-02	2e-02	2e-15	2e-03
5:	1.5990e+00	1.5989e+00	2e-02	6e-03	1e-15	5e-04

6:	1.6001e+00	1.6001e+00	9e-04	3e-04	3e-15	2e-05
7:	1.6003e+00	1.6003e+00	9e-06	3e-06	7e-16	2e-07
8:	1.6003e+00	1.6003e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.2664e-01	8.2484e-01	4e+00	1e+00	2e-16	1e-01
2:	2.2122e+00	2.2100e+00	1e+00	4e-01	1e-15	5e-02
3:	2.1995e+00	2.1948e+00	6e-01	2e-01	5e-15	2e-02
4:	2.3100e+00	2.3087e+00	2e-01	5e-02	1e-15	5e-03
5:	2.3212e+00	2.3206e+00	6e-02	2e-02	5e-15	2e-03
6:	2.3292e+00	2.3291e+00	7e-03	2e-03	9e-16	2e-04
7:	2.3302e+00	2.3302e+00	9e-05	3e-05	6e-16	2e-06
8:	2.3302e+00	2.3302e+00	9e-07	3e-07	8e-16	2e-08
9:	2.3302e+00	2.3302e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.1475e-01	8.1222e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0382e+00	2.0360e+00	1e+00	4e-01	9e-16	4e-02
3:	2.0995e+00	2.0974e+00	4e-01	1e-01	7e-16	1e-02
4:	2.1667e+00	2.1663e+00	8e-02	3e-02	6e-16	3e-03
5:	2.1756e+00	2.1756e+00	2e-03	6e-04	4e-15	5e-05
6:	2.1758e+00	2.1758e+00	2e-05	6e-06	2e-15	5e-07
7:	2.1758e+00	2.1758e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4928e+00	1.4908e+00	6e+00	2e+00	2e-16	2e-01
2:	2.1699e+00	2.1694e+00	1e+00	3e-01	1e-15	3e-02
3:	2.4244e+00	2.4242e+00	2e-01	7e-02	3e-15	6e-03
4:	2.4530e+00	2.4530e+00	2e-02	7e-03	1e-15	6e-04
5:	2.4568e+00	2.4568e+00	1e-03	3e-04	1e-15	3e-05
6:	2.4570e+00	2.4570e+00	1e-05	3e-06	1e-14	3e-07
7:	2.4570e+00	2.4570e+00	1e-07	3e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.2375e-01	2.2243e-01	3e+00	1e+00	2e-16	1e-01
2:	7.9610e-01	7.9384e-01	9e-01	3e-01	8e-16	3e-02
3:	8.7987e-01	8.7890e-01	3e-01	8e-02	5e-16	9e-03
4:	8.9245e-01	8.9233e-01	9e-03	3e-03	8e-16	2e-04
5:	8.9333e-01	8.9332e-01	9e-05	3e-05	5e-16	2e-06
6:	8.9333e-01	8.9333e-01	9e-07	3e-07	5e-16	2e-08
7:	8.9333e-01	8.9333e-01	9e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	8.0010e-01	7.9696e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7736e+00	1.7711e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9879e+00	1.9870e+00	3e-01	9e-02	9e-16	8e-03
4:	2.0322e+00	2.0321e+00	4e-02	1e-02	1e-15	1e-03
5:	2.0325e+00	2.0324e+00	2e-02	5e-03	8e-15	5e-04
6:	2.0335e+00	2.0335e+00	5e-03	2e-03	6e-15	1e-04
7:	2.0340e+00	2.0340e+00	2e-04	7e-05	5e-15	6e-06
8:	2.0340e+00	2.0340e+00	2e-06	7e-07	2e-14	6e-08
9:	2.0340e+00	2.0340e+00	2e-08	7e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.9180e-01	6.8952e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6791e+00	1.6769e+00	1e+00	4e-01	6e-16	5e-02
3:	1.8464e+00	1.8457e+00	3e-01	1e-01	8e-16	1e-02
4:	1.8612e+00	1.8611e+00	1e-02	4e-03	3e-15	4e-04
5:	1.8624e+00	1.8624e+00	1e-04	4e-05	9e-16	4e-06
6:	1.8624e+00	1.8624e+00	1e-06	4e-07	8e-16	4e-08
7:	1.8624e+00	1.8624e+00	1e-08	4e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.6691e-01	8.6389e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7335e+00	1.7318e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9782e+00	1.9776e+00	2e-01	7e-02	7e-16	7e-03
4:	1.9782e+00	1.9779e+00	5e-02	2e-02	1e-14	1e-03
5:	1.9833e+00	1.9833e+00	1e-03	3e-04	7e-16	3e-05
6:	1.9834e+00	1.9834e+00	1e-05	3e-06	1e-15	3e-07
7:	1.9834e+00	1.9834e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2177e-01	7.1895e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8831e+00	1.8813e+00	1e+00	3e-01	7e-16	3e-02
3:	1.9340e+00	1.9321e+00	4e-01	1e-01	2e-15	1e-02
4:	2.0109e+00	2.0106e+00	6e-02	2e-02	9e-16	2e-03
5:	2.0182e+00	2.0181e+00	6e-03	2e-03	5e-15	2e-04
6:	2.0193e+00	2.0193e+00	6e-05	2e-05	2e-15	2e-06
7:	2.0193e+00	2.0193e+00	6e-07	2e-07	2e-15	2e-08
8:	2.0193e+00	2.0193e+00	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8018e-01	8.7719e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0413e+00	2.0393e+00	2e+00	5e-01	9e-16	5e-02
3:	2.1721e+00	2.1690e+00	4e-01	1e-01	4e-15	1e-02
4:	2.1891e+00	2.1873e+00	2e-01	7e-02	3e-15	6e-03
5:	2.2082e+00	2.2070e+00	1e-01	4e-02	2e-15	3e-03

6:	2.2241e+00	2.2241e+00	4e-03	1e-03	4e-15	9e-05
7:	2.2246e+00	2.2246e+00	4e-05	1e-05	1e-15	1e-06
8:	2.2246e+00	2.2246e+00	4e-07	1e-07	6e-16	1e-08
9:	2.2246e+00	2.2246e+00	4e-09	1e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2548e-01	8.2268e-01	5e+00	1e+00	3e-16	2e-01
2:	1.9483e+00	1.9466e+00	1e+00	3e-01	1e-15	3e-02
3:	2.0497e+00	2.0491e+00	2e-01	8e-02	1e-15	8e-03
4:	2.0627e+00	2.0627e+00	3e-03	1e-03	1e-15	9e-05
5:	2.0630e+00	2.0630e+00	3e-05	1e-05	8e-16	9e-07
6:	2.0630e+00	2.0630e+00	3e-07	1e-07	1e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0990e+00	1.0957e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2360e+00	2.2343e+00	1e+00	4e-01	1e-15	4e-02
3:	2.3376e+00	2.3370e+00	1e-01	4e-02	1e-15	4e-03
4:	2.3603e+00	2.3602e+00	2e-02	7e-03	4e-16	6e-04
5:	2.3654e+00	2.3653e+00	6e-03	2e-03	1e-15	2e-04
6:	2.3660e+00	2.3660e+00	5e-04	2e-04	4e-15	1e-05
7:	2.3661e+00	2.3661e+00	1e-05	4e-06	9e-15	3e-07
8:	2.3661e+00	2.3661e+00	1e-07	4e-08	3e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4089e+00	1.4056e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5183e+00	2.5163e+00	2e+00	6e-01	2e-15	6e-02
3:	2.7016e+00	2.7009e+00	4e-01	1e-01	3e-15	1e-02
4:	2.7713e+00	2.7711e+00	5e-02	2e-02	1e-15	2e-03
5:	2.7775e+00	2.7775e+00	5e-03	2e-03	9e-15	1e-04
6:	2.7786e+00	2.7786e+00	5e-05	2e-05	3e-16	1e-06
7:	2.7786e+00	2.7786e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.0972e-01	6.0781e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7935e+00	1.7912e+00	1e+00	3e-01	8e-16	4e-02
3:	1.7922e+00	1.7882e+00	5e-01	1e-01	3e-15	1e-02
4:	1.8642e+00	1.8631e+00	1e-01	4e-02	1e-15	4e-03
5:	1.8802e+00	1.8802e+00	3e-03	1e-03	1e-15	9e-05
6:	1.8807e+00	1.8806e+00	3e-05	1e-05	1e-15	9e-07
7:	1.8807e+00	1.8807e+00	3e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5825e-01	6.5539e-01	5e+00	2e+00	2e-16	2e-01

2:	1.6561e+00	1.6541e+00	1e+00	4e-01	5e-16	4e-02
3:	1.7690e+00	1.7676e+00	3e-01	1e-01	9e-16	1e-02
4:	1.8285e+00	1.8282e+00	5e-02	2e-02	9e-16	2e-03
5:	1.8317e+00	1.8317e+00	6e-03	2e-03	4e-15	2e-04
6:	1.8320e+00	1.8320e+00	7e-04	2e-04	8e-14	2e-05
7:	1.8321e+00	1.8321e+00	7e-06	2e-06	3e-15	2e-07
8:	1.8321e+00	1.8321e+00	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1982e+00	1.1950e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2278e+00	2.2258e+00	2e+00	5e-01	2e-15	5e-02
3:	2.4514e+00	2.4509e+00	2e-01	7e-02	7e-16	6e-03
4:	2.4713e+00	2.4713e+00	2e-02	7e-03	4e-15	7e-04
5:	2.4735e+00	2.4735e+00	2e-04	8e-05	3e-15	7e-06
6:	2.4736e+00	2.4736e+00	2e-06	8e-07	2e-15	7e-08
7:	2.4736e+00	2.4736e+00	2e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.3304e-01	8.3007e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7323e+00	1.7305e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9509e+00	1.9502e+00	3e-01	8e-02	5e-16	8e-03
4:	1.9665e+00	1.9660e+00	8e-02	3e-02	4e-15	2e-03
5:	1.9866e+00	1.9865e+00	2e-03	7e-04	6e-16	6e-05
6:	1.9868e+00	1.9868e+00	2e-05	7e-06	4e-15	6e-07
7:	1.9868e+00	1.9868e+00	2e-07	7e-08	6e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.9093e-01	9.8799e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2739e+00	2.2722e+00	1e+00	4e-01	9e-16	4e-02
3:	2.4037e+00	2.4019e+00	2e-01	7e-02	6e-15	6e-03
4:	2.4383e+00	2.4381e+00	3e-02	9e-03	2e-15	7e-04
5:	2.4433e+00	2.4432e+00	9e-03	3e-03	7e-16	2e-04
6:	2.4440e+00	2.4440e+00	4e-03	1e-03	5e-15	9e-05
7:	2.4446e+00	2.4446e+00	5e-05	2e-05	9e-16	1e-06
8:	2.4446e+00	2.4446e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0128e+00	1.0097e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9859e+00	1.9832e+00	2e+00	6e-01	4e-15	6e-02
3:	2.2190e+00	2.2176e+00	6e-01	2e-01	2e-15	2e-02
4:	2.2714e+00	2.2705e+00	2e-01	5e-02	2e-15	4e-03
5:	2.2819e+00	2.2819e+00	9e-03	3e-03	3e-15	2e-04
6:	2.2829e+00	2.2829e+00	9e-05	3e-05	1e-15	2e-06
7:	2.2830e+00	2.2830e+00	9e-07	3e-07	9e-16	2e-08

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8: 2.2830e+00 2.2830e+00 9e-09 3e-09 1e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.0091e+00 1.0059e+00 5e+00 2e+00 3e-16 2e-01
2: 1.9848e+00 1.9833e+00 1e+00 4e-01 2e-15 4e-02
3: 2.2261e+00 2.2255e+00 2e-01 8e-02 1e-15 8e-03
4: 2.2396e+00 2.2394e+00 5e-02 1e-02 1e-15 1e-03
5: 2.2451e+00 2.2451e+00 5e-04 2e-04 7e-16 1e-05
6: 2.2451e+00 2.2451e+00 5e-06 2e-06 6e-16 1e-07
7: 2.2451e+00 2.2451e+00 5e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 8.9675e-01 8.9367e-01 5e+00 2e+00 2e-16 2e-01
2: 1.9654e+00 1.9628e+00 2e+00 5e-01 2e-15 5e-02
3: 2.2712e+00 2.2702e+00 5e-01 2e-01 1e-15 2e-02
4: 2.2680e+00 2.2667e+00 2e-01 7e-02 2e-15 6e-03
5: 2.3029e+00 2.3027e+00 5e-02 1e-02 6e-16 1e-03
6: 2.3070e+00 2.3070e+00 9e-04 3e-04 4e-15 2e-05
7: 2.3071e+00 2.3071e+00 9e-06 3e-06 1e-15 2e-07
8: 2.3071e+00 2.3071e+00 9e-08 3e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 3.6415e-01 3.6305e-01 3e+00 1e+00 2e-16 1e-01
2: 1.2800e+00 1.2776e+00 9e-01 3e-01 8e-16 3e-02
3: 1.3002e+00 1.2978e+00 2e-01 7e-02 3e-15 6e-03
4: 1.3286e+00 1.3281e+00 5e-02 1e-02 8e-16 1e-03
5: 1.3338e+00 1.3338e+00 2e-03 7e-04 1e-15 6e-05
6: 1.3341e+00 1.3341e+00 2e-05 8e-06 2e-15 6e-07
7: 1.3341e+00 1.3341e+00 2e-07 8e-08 1e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 3.5599e-01 3.5485e-01 3e+00 1e+00 2e-16 1e-01
2: 1.3143e+00 1.3120e+00 8e-01 2e-01 6e-16 3e-02
3: 1.3764e+00 1.3755e+00 1e-01 4e-02 5e-16 4e-03
4: 1.3784e+00 1.3782e+00 2e-02 6e-03 5e-15 6e-04
5: 1.3804e+00 1.3804e+00 2e-04 8e-05 1e-15 7e-06
6: 1.3804e+00 1.3804e+00 2e-06 8e-07 1e-15 7e-08
7: 1.3804e+00 1.3804e+00 2e-08 8e-09 1e-15 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 7.2632e-01 7.2407e-01 4e+00 1e+00 2e-16 2e-01
2: 1.7457e+00 1.7433e+00 2e+00 5e-01 1e-15 6e-02
3: 1.9405e+00 1.9387e+00 5e-01 2e-01 3e-15 2e-02

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4:	1.9922e+00	1.9914e+00	2e-01	5e-02	1e-15	6e-03
5:	1.9997e+00	1.9996e+00	1e-02	3e-03	2e-15	3e-04
6:	2.0010e+00	2.0010e+00	1e-04	3e-05	6e-16	3e-06
7:	2.0010e+00	2.0010e+00	1e-06	3e-07	8e-16	3e-08
8:	2.0010e+00	2.0010e+00	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.6229e-01	8.5906e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8217e+00	1.8201e+00	1e+00	3e-01	2e-15	3e-02
3:	2.0351e+00	2.0348e+00	2e-01	7e-02	7e-16	6e-03
4:	2.0493e+00	2.0492e+00	1e-02	5e-03	6e-15	4e-04
5:	2.0509e+00	2.0509e+00	2e-04	5e-05	6e-15	4e-06
6:	2.0509e+00	2.0509e+00	2e-06	5e-07	2e-14	4e-08
7:	2.0509e+00	2.0509e+00	2e-08	5e-09	8e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.7027e-01	1.6938e-01	3e+00	9e-01	2e-16	1e-01
2:	6.6311e-01	6.6059e-01	1e+00	3e-01	7e-16	4e-02
3:	7.6504e-01	7.6392e-01	2e-01	8e-02	4e-16	9e-03
4:	7.7721e-01	7.7704e-01	2e-02	6e-03	6e-16	7e-04
5:	7.7864e-01	7.7864e-01	2e-04	7e-05	7e-16	7e-06
6:	7.7866e-01	7.7866e-01	2e-06	7e-07	8e-16	7e-08
7:	7.7866e-01	7.7866e-01	2e-08	7e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3402e+00	1.3370e+00	6e+00	2e+00	2e-16	2e-01
2:	2.0801e+00	2.0782e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4060e+00	2.4055e+00	3e-01	9e-02	5e-16	8e-03
4:	2.4401e+00	2.4400e+00	3e-02	1e-02	1e-15	8e-04
5:	2.4452e+00	2.4452e+00	3e-04	1e-04	3e-16	8e-06
6:	2.4452e+00	2.4452e+00	3e-06	1e-06	4e-16	8e-08
7:	2.4452e+00	2.4452e+00	3e-08	1e-08	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4479e-01	3.4328e-01	4e+00	1e+00	2e-16	1e-01
2:	1.1535e+00	1.1510e+00	1e+00	3e-01	6e-16	4e-02
3:	1.2208e+00	1.2196e+00	3e-01	8e-02	1e-15	9e-03
4:	1.2398e+00	1.2396e+00	2e-02	7e-03	7e-16	8e-04
5:	1.2422e+00	1.2421e+00	2e-03	5e-04	7e-15	5e-05
6:	1.2424e+00	1.2424e+00	2e-05	5e-06	2e-15	5e-07
7:	1.2424e+00	1.2424e+00	2e-07	5e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	1.0714e+00	1.0686e+00	5e+00	1e+00	2e-16	2e-01
2:	2.2630e+00	2.2607e+00	2e+00	6e-01	2e-15	6e-02
3:	2.3157e+00	2.3113e+00	6e-01	2e-01	6e-15	2e-02
4:	2.3680e+00	2.3671e+00	1e-01	4e-02	1e-15	3e-03
5:	2.3918e+00	2.3916e+00	2e-02	6e-03	5e-16	5e-04
6:	2.3923e+00	2.3922e+00	7e-03	2e-03	4e-15	2e-04
7:	2.3933e+00	2.3933e+00	2e-04	5e-05	1e-15	4e-06
8:	2.3933e+00	2.3933e+00	2e-06	5e-07	1e-15	4e-08
9:	2.3933e+00	2.3933e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	9.0225e-01	9.0010e-01	4e+00	1e+00	2e-16	2e-01
2:	2.1408e+00	2.1387e+00	1e+00	4e-01	1e-15	4e-02
3:	2.2349e+00	2.2342e+00	2e-01	5e-02	1e-15	6e-03
4:	2.2509e+00	2.2509e+00	5e-03	2e-03	2e-15	1e-04
5:	2.2516e+00	2.2516e+00	5e-05	2e-05	9e-16	1e-06
6:	2.2516e+00	2.2516e+00	5e-07	2e-07	1e-15	1e-08
7:	2.2516e+00	2.2516e+00	5e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2316e-01	4.2106e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1074e+00	1.1048e+00	2e+00	5e-01	8e-16	6e-02
3:	1.2899e+00	1.2891e+00	2e-01	7e-02	7e-16	7e-03
4:	1.3027e+00	1.3025e+00	4e-02	1e-02	2e-15	1e-03
5:	1.3059e+00	1.3059e+00	4e-04	1e-04	3e-15	1e-05
6:	1.3059e+00	1.3059e+00	4e-06	1e-06	2e-15	1e-07
7:	1.3059e+00	1.3059e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0103e+00	1.0072e+00	5e+00	2e+00	2e-16	2e-01
2:	2.0534e+00	2.0512e+00	2e+00	6e-01	1e-15	6e-02
3:	2.3011e+00	2.2996e+00	2e-01	8e-02	2e-15	7e-03
4:	2.3344e+00	2.3340e+00	5e-02	1e-02	3e-15	1e-03
5:	2.3382e+00	2.3382e+00	1e-03	4e-04	5e-15	3e-05
6:	2.3383e+00	2.3383e+00	1e-05	4e-06	2e-15	3e-07
7:	2.3383e+00	2.3383e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.9081e-01	5.8776e-01	5e+00	2e+00	2e-16	2e-01
2:	1.2763e+00	1.2744e+00	1e+00	4e-01	1e-15	4e-02
3:	1.4818e+00	1.4810e+00	4e-01	1e-01	4e-16	1e-02
4:	1.4920e+00	1.4915e+00	1e-01	3e-02	1e-15	3e-03
5:	1.5059e+00	1.5058e+00	2e-02	8e-03	5e-16	7e-04
6:	1.5072e+00	1.5072e+00	6e-03	2e-03	3e-15	2e-04



7:	1.5079e+00	1.5079e+00	7e-05	2e-05	8e-16	2e-06
8:	1.5079e+00	1.5079e+00	7e-07	2e-07	1e-15	2e-08
9:	1.5079e+00	1.5079e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6141e-01	6.5904e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7428e+00	1.7409e+00	1e+00	3e-01	8e-16	3e-02
3:	1.7380e+00	1.7346e+00	5e-01	2e-01	8e-15	2e-02
4:	1.8172e+00	1.8165e+00	1e-01	3e-02	2e-15	3e-03
5:	1.8304e+00	1.8304e+00	1e-02	3e-03	3e-16	3e-04
6:	1.8315e+00	1.8315e+00	2e-03	7e-04	5e-15	7e-05
7:	1.8319e+00	1.8319e+00	3e-05	1e-05	4e-16	8e-07
8:	1.8319e+00	1.8319e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.5571e-01	5.5378e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4681e+00	1.4657e+00	1e+00	4e-01	5e-16	5e-02
3:	1.5900e+00	1.5892e+00	3e-01	1e-01	9e-16	1e-02
4:	1.6067e+00	1.6066e+00	3e-02	9e-03	2e-15	1e-03
5:	1.6098e+00	1.6098e+00	1e-03	3e-04	6e-15	3e-05
6:	1.6099e+00	1.6099e+00	1e-05	3e-06	5e-15	3e-07
7:	1.6099e+00	1.6099e+00	1e-07	3e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8389e-01	7.8099e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8548e+00	1.8530e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9962e+00	1.9951e+00	3e-01	9e-02	1e-15	9e-03
4:	2.0389e+00	2.0386e+00	6e-02	2e-02	7e-16	2e-03
5:	2.0388e+00	2.0386e+00	3e-02	9e-03	6e-15	9e-04
6:	2.0414e+00	2.0414e+00	4e-04	1e-04	9e-16	1e-05
7:	2.0415e+00	2.0415e+00	4e-06	1e-06	3e-15	1e-07
8:	2.0415e+00	2.0415e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.0467e-01	9.0226e-01	4e+00	1e+00	2e-16	2e-01
2:	2.1725e+00	2.1703e+00	1e+00	4e-01	1e-15	5e-02
3:	2.2448e+00	2.2431e+00	4e-01	1e-01	2e-15	1e-02
4:	2.3141e+00	2.3137e+00	8e-02	3e-02	7e-16	3e-03
5:	2.3184e+00	2.3182e+00	2e-02	6e-03	2e-14	5e-04
6:	2.3210e+00	2.3210e+00	2e-04	7e-05	2e-15	6e-06
7:	2.3210e+00	2.3210e+00	2e-06	7e-07	2e-15	6e-08
8:	2.3210e+00	2.3210e+00	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3637e+00	1.3603e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9506e+00	2.9488e+00	1e+00	4e-01	2e-15	4e-02
3:	3.0860e+00	3.0854e+00	1e-01	4e-02	2e-15	3e-03
4:	3.0999e+00	3.0999e+00	3e-03	8e-04	8e-16	7e-05
5:	3.1001e+00	3.1001e+00	3e-05	8e-06	8e-16	7e-07
6:	3.1001e+00	3.1001e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3013e+00	1.2980e+00	5e+00	2e+00	3e-16	2e-01
2:	2.3337e+00	2.3319e+00	1e+00	4e-01	4e-15	4e-02
3:	2.5532e+00	2.5527e+00	3e-01	9e-02	1e-15	9e-03
4:	2.5771e+00	2.5770e+00	6e-02	2e-02	2e-15	2e-03
5:	2.5804e+00	2.5804e+00	6e-04	2e-04	2e-15	2e-05
6:	2.5804e+00	2.5804e+00	6e-06	2e-06	2e-15	2e-07
7:	2.5804e+00	2.5804e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	2.8775e-01	2.8605e-01	4e+00	1e+00	2e-16	1e-01
2:	8.8011e-01	8.7762e-01	1e+00	4e-01	2e-16	5e-02
3:	1.0369e+00	1.0360e+00	3e-01	1e-01	7e-16	1e-02
4:	1.0745e+00	1.0744e+00	6e-02	2e-02	5e-16	2e-03
5:	1.0720e+00	1.0718e+00	3e-02	1e-02	4e-15	1e-03
6:	1.0758e+00	1.0758e+00	5e-03	1e-03	3e-15	1e-04
7:	1.0762e+00	1.0762e+00	9e-05	3e-05	3e-15	3e-06
8:	1.0762e+00	1.0762e+00	9e-07	3e-07	2e-15	3e-08
9:	1.0762e+00	1.0762e+00	9e-09	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8233e-01	7.7985e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7303e+00	1.7281e+00	1e+00	4e-01	1e-15	5e-02
3:	1.8855e+00	1.8847e+00	2e-01	6e-02	5e-16	6e-03
4:	1.9043e+00	1.9041e+00	2e-02	6e-03	2e-15	6e-04
5:	1.9085e+00	1.9085e+00	2e-04	6e-05	6e-16	6e-06
6:	1.9086e+00	1.9086e+00	2e-06	6e-07	4e-16	6e-08
7:	1.9086e+00	1.9086e+00	2e-08	6e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3168e+00	1.3138e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7143e+00	2.7125e+00	1e+00	4e-01	8e-16	5e-02
3:	2.8755e+00	2.8731e+00	5e-01	1e-01	4e-15	1e-02
4:	2.9215e+00	2.9212e+00	4e-02	1e-02	3e-15	1e-03
5:	2.9259e+00	2.9259e+00	5e-03	2e-03	3e-15	1e-04
6:	2.9266e+00	2.9266e+00	4e-04	1e-04	1e-14	1e-05

7:	2.9267e+00	2.9267e+00	6e-06	2e-06	1e-13	2e-07
8:	2.9267e+00	2.9267e+00	6e-08	2e-08	5e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.3738e-01	6.3576e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8359e+00	1.8336e+00	1e+00	3e-01	7e-16	4e-02
3:	1.9658e+00	1.9649e+00	2e-01	6e-02	1e-15	7e-03
4:	1.9748e+00	1.9744e+00	4e-02	1e-02	8e-15	1e-03
5:	1.9802e+00	1.9802e+00	4e-04	1e-04	7e-16	1e-05
6:	1.9802e+00	1.9802e+00	4e-06	1e-06	7e-16	1e-07
7:	1.9802e+00	1.9802e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.9177e-01	3.9071e-01	3e+00	1e+00	2e-16	1e-01
2:	1.3930e+00	1.3906e+00	8e-01	3e-01	5e-16	3e-02
3:	1.4442e+00	1.4427e+00	2e-01	7e-02	2e-15	8e-03
4:	1.4525e+00	1.4522e+00	4e-02	1e-02	2e-15	1e-03
5:	1.4567e+00	1.4567e+00	2e-03	7e-04	1e-15	7e-05
6:	1.4569e+00	1.4569e+00	2e-05	7e-06	7e-16	7e-07
7:	1.4569e+00	1.4569e+00	2e-07	7e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1361e+00	1.1335e+00	4e+00	1e+00	2e-16	2e-01
2:	2.5674e+00	2.5655e+00	1e+00	4e-01	2e-15	4e-02
3:	2.6543e+00	2.6512e+00	4e-01	1e-01	4e-15	1e-02
4:	2.7029e+00	2.7019e+00	1e-01	3e-02	3e-15	3e-03
5:	2.7123e+00	2.7123e+00	5e-03	1e-03	3e-15	1e-04
6:	2.7128e+00	2.7128e+00	5e-05	1e-05	2e-15	1e-06
7:	2.7128e+00	2.7128e+00	5e-07	1e-07	1e-15	1e-08
8:	2.7128e+00	2.7128e+00	5e-09	1e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6933e+00	1.6900e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0662e+00	3.0650e+00	1e+00	3e-01	2e-15	3e-02
3:	3.2396e+00	3.2390e+00	3e-01	9e-02	5e-15	8e-03
4:	3.2447e+00	3.2444e+00	9e-02	3e-02	1e-14	3e-03
5:	3.2587e+00	3.2586e+00	2e-02	7e-03	3e-15	6e-04
6:	3.2607e+00	3.2607e+00	2e-04	8e-05	3e-15	6e-06
7:	3.2607e+00	3.2607e+00	2e-06	8e-07	3e-15	6e-08
8:	3.2607e+00	3.2607e+00	2e-08	8e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3637e-01	9.3325e-01	5e+00	2e+00	2e-16	2e-01

2:	2.2337e+00	2.2322e+00	1e+00	3e-01	3e-15	3e-02
3:	2.3418e+00	2.3405e+00	4e-01	1e-01	4e-15	1e-02
4:	2.4262e+00	2.4260e+00	6e-02	2e-02	1e-15	2e-03
5:	2.4329e+00	2.4328e+00	1e-02	4e-03	1e-14	4e-04
6:	2.4336e+00	2.4335e+00	1e-03	4e-04	9e-14	3e-05
7:	2.4337e+00	2.4337e+00	1e-05	4e-06	7e-15	3e-07
8:	2.4337e+00	2.4337e+00	1e-07	4e-08	8e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.2679e-01	4.2558e-01	3e+00	1e+00	2e-16	1e-01
2:	1.4606e+00	1.4582e+00	1e+00	3e-01	1e-15	4e-02
3:	1.6011e+00	1.5994e+00	4e-01	1e-01	2e-15	1e-02
4:	1.6228e+00	1.6221e+00	1e-01	4e-02	2e-15	4e-03
5:	1.6313e+00	1.6311e+00	2e-02	7e-03	2e-15	7e-04
6:	1.6323e+00	1.6323e+00	2e-04	7e-05	2e-15	8e-06
7:	1.6324e+00	1.6324e+00	2e-06	7e-07	2e-15	8e-08
8:	1.6324e+00	1.6324e+00	2e-08	7e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.9537e-01	5.9276e-01	5e+00	1e+00	1e-16	2e-01
2:	1.5854e+00	1.5831e+00	1e+00	4e-01	2e-15	4e-02
3:	1.7811e+00	1.7802e+00	4e-01	1e-01	9e-16	1e-02
4:	1.7813e+00	1.7804e+00	1e-01	3e-02	2e-15	2e-03
5:	1.7969e+00	1.7968e+00	7e-03	2e-03	5e-16	2e-04
6:	1.7980e+00	1.7980e+00	7e-05	2e-05	5e-16	2e-06
7:	1.7980e+00	1.7980e+00	7e-07	2e-07	6e-16	2e-08
8:	1.7980e+00	1.7980e+00	7e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0931e-01	2.0887e-01	2e+00	7e-01	2e-16	1e-01
2:	9.9441e-01	9.9209e-01	7e-01	2e-01	4e-16	3e-02
3:	9.1495e-01	9.1003e-01	5e-01	2e-01	5e-15	2e-02
4:	9.9929e-01	9.9910e-01	2e-02	6e-03	7e-16	6e-04
5:	9.9999e-01	9.9999e-01	2e-04	6e-05	2e-15	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	6e-07	1e-15	6e-08
7:	1.0000e+00	1.0000e+00	2e-08	6e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6991e-01	5.6661e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9701e-01	9.9567e-01	8e-01	3e-01	3e-15	3e-02
3:	9.9995e-01	9.9993e-01	9e-03	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.8810e-01	1.8746e-01	3e+00	8e-01	2e-16	1e-01
2:	8.2667e-01	8.2437e-01	7e-01	2e-01	5e-16	3e-02
3:	9.1058e-01	9.0960e-01	2e-01	7e-02	7e-16	9e-03
4:	9.1545e-01	9.1499e-01	5e-02	2e-02	2e-15	2e-03
5:	9.2112e-01	9.2088e-01	2e-02	6e-03	1e-15	6e-04
6:	9.2234e-01	9.2232e-01	2e-03	6e-04	1e-15	6e-05
7:	9.2257e-01	9.2255e-01	1e-03	3e-04	9e-16	3e-05
8:	9.2264e-01	9.2264e-01	8e-05	3e-05	2e-15	2e-06
9:	9.2265e-01	9.2265e-01	9e-07	3e-07	1e-15	2e-08
10:	9.2265e-01	9.2265e-01	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.3885e-01	3.3737e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9579e-01	9.9337e-01	1e+00	4e-01	1e-15	4e-02
3:	9.7174e-01	9.6812e-01	3e-01	8e-02	3e-15	7e-03
4:	9.9970e-01	9.9965e-01	4e-03	1e-03	4e-16	9e-05
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	6e-16	9e-07
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	5e-16	9e-09
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	6e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2792e-01	5.2481e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9525e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9973e-01	9.9968e-01	2e-02	5e-03	8e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	3e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	9e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7932e-01	3.7750e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9616e-01	9.9377e-01	1e+00	4e-01	1e-15	5e-02
3:	9.8513e-01	9.8262e-01	2e-01	6e-02	2e-15	5e-03
4:	9.9985e-01	9.9983e-01	2e-03	6e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	5.3303e-02	5.3162e-02	2e+00	5e-01	2e-16	7e-02
2:	4.4261e-01	4.4062e-01	4e-01	1e-01	4e-16	2e-02
3:	4.8754e-01	4.8651e-01	1e-01	3e-02	9e-16	4e-03
4:	4.9191e-01	4.9175e-01	1e-02	4e-03	2e-15	5e-04
5:	4.9422e-01	4.9417e-01	4e-03	1e-03	8e-16	1e-04

6:	4.9429e-01	4.9428e-01	1e-03	3e-04	7e-15	3e-05
7:	4.9444e-01	4.9444e-01	1e-05	4e-06	1e-15	4e-07
8:	4.9445e-01	4.9445e-01	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1813e-01	3.1689e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9575e-01	9.9317e-01	1e+00	5e-01	7e-16	6e-02
3:	9.6762e-01	9.6270e-01	3e-01	1e-01	3e-15	8e-03
4:	9.9969e-01	9.9963e-01	4e-03	1e-03	2e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7040e-01	4.6772e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9689e-01	9.9468e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9862e-01	9.9832e-01	3e-02	1e-02	3e-16	9e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	3e-16	9e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	4e-16	9e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	3e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9772e-01	4.9480e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9673e-01	9.9495e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9873e-01	9.9849e-01	3e-02	1e-02	1e-15	9e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	6e-16	9e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	4e-16	9e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7576e-01	2.7488e-01	3e+00	9e-01	3e-16	1e-01
2:	9.9526e-01	9.9275e-01	1e+00	4e-01	6e-16	5e-02
3:	9.3976e-01	9.3312e-01	4e-01	1e-01	3e-15	1e-02
4:	9.9945e-01	9.9933e-01	7e-03	2e-03	4e-16	2e-04
5:	9.9999e-01	9.9999e-01	7e-05	2e-05	5e-16	2e-06
6:	1.0000e+00	1.0000e+00	7e-07	2e-07	3e-16	2e-08
7:	1.0000e+00	1.0000e+00	7e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7532e-01	4.7261e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9706e-01	9.9473e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9930e-01	9.9914e-01	2e-02	7e-03	6e-16	6e-04
4:	9.9999e-01	9.9999e-01	2e-04	7e-05	6e-16	6e-06

5:	1.0000e+00	1.0000e+00	2e-06	7e-07	4e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.1508e-01	3.1349e-01	4e+00	1e+00	1e-16	1e-01
2:	9.9540e-01	9.9313e-01	1e+00	3e-01	8e-16	4e-02
3:	9.5567e-01	9.5147e-01	3e-01	9e-02	3e-15	8e-03
4:	9.9948e-01	9.9942e-01	5e-03	1e-03	2e-16	1e-04
5:	9.9999e-01	9.9999e-01	5e-05	1e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.5138e-01	3.4983e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9594e-01	9.9350e-01	1e+00	4e-01	4e-16	5e-02
3:	9.7723e-01	9.7376e-01	2e-01	8e-02	2e-15	6e-03
4:	9.9978e-01	9.9974e-01	3e-03	9e-04	3e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0072e-01	2.0029e-01	2e+00	7e-01	3e-16	1e-01
2:	9.9428e-01	9.9200e-01	7e-01	2e-01	5e-16	3e-02
3:	9.1246e-01	9.0775e-01	5e-01	1e-01	1e-15	2e-02
4:	9.9926e-01	9.9908e-01	2e-02	6e-03	4e-16	6e-04
5:	9.9999e-01	9.9999e-01	2e-04	6e-05	2e-15	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	6e-07	8e-16	6e-08
7:	1.0000e+00	1.0000e+00	2e-08	6e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.5217e-01	3.5062e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9596e-01	9.9351e-01	1e+00	4e-01	1e-15	5e-02
3:	9.7754e-01	9.7409e-01	2e-01	8e-02	1e-15	6e-03
4:	9.9978e-01	9.9974e-01	3e-03	9e-04	4e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0576e-01	4.0368e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9656e-01	9.9404e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9307e-01	9.9156e-01	1e-01	4e-02	1e-15	3e-03
4:	9.9993e-01	9.9992e-01	1e-03	4e-04	4e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07

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6: 1.0000e+00 1.0000e+00 1e-07 4e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 3.2270e-01 3.2114e-01 4e+00 1e+00 2e-16 1e-01
2: 9.9556e-01 9.9321e-01 1e+00 3e-01 9e-16 4e-02
3: 9.6497e-01 9.6100e-01 3e-01 1e-01 2e-15 8e-03
4: 9.9966e-01 9.9961e-01 4e-03 1e-03 5e-16 1e-04
5: 1.0000e+00 1.0000e+00 4e-05 1e-05 4e-16 1e-06
6: 1.0000e+00 1.0000e+00 4e-07 1e-07 4e-16 1e-08
7: 1.0000e+00 1.0000e+00 4e-09 1e-09 6e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 3.5866e-01 3.5704e-01 4e+00 1e+00 3e-16 1e-01
2: 9.9608e-01 9.9357e-01 1e+00 5e-01 1e-15 5e-02
3: 9.8161e-01 9.7839e-01 2e-01 7e-02 1e-15 6e-03
4: 9.9982e-01 9.9978e-01 3e-03 8e-04 4e-16 6e-05
5: 1.0000e+00 1.0000e+00 3e-05 8e-06 3e-16 6e-07
6: 1.0000e+00 1.0000e+00 3e-07 8e-08 3e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 2.7328e-01 2.7242e-01 3e+00 9e-01 1e-16 1e-01
2: 9.9515e-01 9.9272e-01 9e-01 3e-01 7e-16 3e-02
3: 9.5227e-01 9.4773e-01 5e-01 1e-01 2e-15 1e-02
4: 9.9958e-01 9.9948e-01 1e-02 3e-03 7e-16 3e-04
5: 1.0000e+00 9.9999e-01 1e-04 3e-05 1e-15 3e-06
6: 1.0000e+00 1.0000e+00 1e-06 3e-07 9e-16 3e-08
7: 1.0000e+00 1.0000e+00 1e-08 3e-09 8e-16 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 2.1464e-01 2.1369e-01 3e+00 1e+00 2e-16 1e-01
2: 8.1057e-01 8.0825e-01 8e-01 3e-01 6e-16 3e-02
3: 9.2896e-01 9.2794e-01 2e-01 7e-02 6e-16 9e-03
4: 9.4180e-01 9.4098e-01 5e-02 2e-02 2e-15 1e-03
5: 9.5161e-01 9.5152e-01 6e-03 2e-03 8e-16 1e-04
6: 9.5255e-01 9.5255e-01 6e-05 2e-05 9e-16 2e-06
7: 9.5257e-01 9.5257e-01 6e-07 2e-07 2e-15 2e-08
8: 9.5257e-01 9.5257e-01 6e-09 2e-09 9e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 3.4880e-01 3.4727e-01 4e+00 1e+00 2e-16 1e-01
2: 9.9600e-01 9.9347e-01 1e+00 4e-01 1e-15 5e-02
3: 9.7822e-01 9.7467e-01 2e-01 8e-02 2e-15 6e-03
4: 9.9979e-01 9.9975e-01 3e-03 9e-04 3e-16 7e-05

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5:	1.0000e+00	1.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7001e-01	1.6950e-01	2e+00	8e-01	3e-16	1e-01
2:	7.8688e-01	7.8450e-01	8e-01	3e-01	3e-16	3e-02
3:	8.2826e-01	8.2521e-01	3e-01	8e-02	9e-16	9e-03
4:	8.5585e-01	8.5533e-01	4e-02	1e-02	9e-16	1e-03
5:	8.5965e-01	8.5949e-01	1e-02	3e-03	3e-15	3e-04
6:	8.6128e-01	8.6121e-01	4e-03	1e-03	1e-15	1e-04
7:	8.6184e-01	8.6183e-01	3e-04	8e-05	3e-15	7e-06
8:	8.6187e-01	8.6187e-01	3e-06	9e-07	8e-16	7e-08
9:	8.6187e-01	8.6187e-01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0377e-01	3.0266e-01	3e+00	1e+00	1e-16	1e-01
2:	9.9559e-01	9.9303e-01	1e+00	4e-01	7e-16	5e-02
3:	9.5947e-01	9.5399e-01	4e-01	1e-01	3e-15	9e-03
4:	9.9962e-01	9.9954e-01	5e-03	2e-03	4e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	2e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.6919e-01	1.6835e-01	3e+00	9e-01	2e-16	1e-01
2:	6.7102e-01	6.6849e-01	1e+00	4e-01	6e-16	4e-02
3:	8.4670e-01	8.4533e-01	2e-01	6e-02	1e-15	6e-03
4:	8.6124e-01	8.6096e-01	2e-02	6e-03	2e-15	5e-04
5:	8.6367e-01	8.6367e-01	2e-04	7e-05	5e-16	6e-06
6:	8.6370e-01	8.6370e-01	2e-06	7e-07	7e-16	6e-08
7:	8.6370e-01	8.6370e-01	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.0837e-01	2.0742e-01	3e+00	1e+00	2e-16	1e-01
2:	8.9482e-01	8.9234e-01	7e-01	2e-01	9e-16	3e-02
3:	1.0002e+00	9.9892e-01	3e-01	9e-02	6e-16	1e-02
4:	9.8800e-01	9.8643e-01	1e-01	3e-02	4e-15	2e-03
5:	9.9989e-01	9.9986e-01	2e-03	5e-04	2e-15	4e-05
6:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-15	4e-07
7:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1217e-01	5.0917e-01	5e+00	2e+00	2e-16	2e-01

2:	9.9699e-01	9.9509e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9972e-01	9.9966e-01	2e-02	5e-03	8e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	3e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	7e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.6751e-01	2.6645e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9504e-01	9.9266e-01	9e-01	3e-01	7e-16	3e-02
3:	9.3991e-01	9.3512e-01	4e-01	1e-01	4e-15	1e-02
4:	9.9902e-01	9.9889e-01	1e-02	4e-03	5e-16	4e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	6e-16	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	1e-15	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8395e-01	3.8208e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9633e-01	9.9382e-01	2e+00	5e-01	7e-16	6e-02
3:	9.8835e-01	9.8607e-01	2e-01	5e-02	2e-15	4e-03
4:	9.9988e-01	9.9986e-01	2e-03	6e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8041e-01	2.7950e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9524e-01	9.9279e-01	1e+00	3e-01	3e-16	4e-02
3:	9.5056e-01	9.4570e-01	4e-01	1e-01	4e-15	1e-02
4:	9.9955e-01	9.9946e-01	8e-03	2e-03	3e-16	2e-04
5:	1.0000e+00	9.9999e-01	8e-05	2e-05	1e-15	2e-06
6:	1.0000e+00	1.0000e+00	8e-07	2e-07	1e-15	2e-08
7:	1.0000e+00	1.0000e+00	8e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.4005e-01	3.3860e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9566e-01	9.9339e-01	1e+00	3e-01	7e-16	4e-02
3:	9.7035e-01	9.6684e-01	3e-01	9e-02	4e-15	8e-03
4:	9.9972e-01	9.9967e-01	4e-03	1e-03	5e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	6e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2565e-01	3.2430e-01	3e+00	1e+00	3e-16	1e-01

2:	9.9566e-01	9.9324e-01	1e+00	3e-01	4e-16	4e-02
3:	9.6758e-01	9.6369e-01	3e-01	1e-01	4e-15	8e-03
4:	9.9966e-01	9.9961e-01	4e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	6e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.8681e-01	1.8593e-01	3e+00	9e-01	2e-16	1e-01
2:	7.8283e-01	7.8031e-01	9e-01	3e-01	5e-16	4e-02
3:	9.1582e-01	9.1486e-01	2e-01	5e-02	5e-16	6e-03
4:	9.4127e-01	9.4085e-01	6e-02	2e-02	9e-16	2e-03
5:	9.4201e-01	9.4185e-01	1e-02	3e-03	5e-15	3e-04
6:	9.4363e-01	9.4363e-01	4e-04	1e-04	1e-15	1e-05
7:	9.4371e-01	9.4371e-01	4e-06	1e-06	7e-16	1e-07
8:	9.4371e-01	9.4371e-01	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0246e-01	4.9953e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9696e-01	9.9500e-01	1e+00	4e-01	6e-16	4e-02
3:	9.9953e-01	9.9943e-01	2e-02	6e-03	1e-15	6e-04
4:	1.0000e+00	9.9999e-01	2e-04	6e-05	6e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	3e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	3e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4770e-01	4.4522e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9671e-01	9.9445e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9674e-01	9.9604e-01	6e-02	2e-02	2e-15	2e-03
4:	9.9997e-01	9.9996e-01	6e-04	2e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.6728e-01	2.6613e-01	3e+00	1e+00	2e-16	1e-01
2:	8.9191e-01	8.8945e-01	1e+00	3e-01	9e-16	4e-02
3:	1.0001e+00	9.9889e-01	4e-01	1e-01	6e-16	1e-02
4:	9.8963e-01	9.8800e-01	1e-01	3e-02	2e-15	3e-03
5:	9.9991e-01	9.9988e-01	2e-03	6e-04	1e-15	4e-05
6:	1.0000e+00	1.0000e+00	2e-05	6e-06	1e-15	4e-07
7:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00

1:	2.5435e-01	2.5307e-01	3e+00	1e+00	2e-16	1e-01
2:	8.5266e-01	8.5011e-01	1e+00	4e-01	4e-16	4e-02
3:	9.9965e-01	9.9850e-01	4e-01	1e-01	5e-16	1e-02
4:	9.8345e-01	9.8153e-01	1e-01	4e-02	6e-15	3e-03
5:	9.9986e-01	9.9982e-01	3e-03	8e-04	1e-15	7e-05
6:	1.0000e+00	1.0000e+00	3e-05	8e-06	1e-15	7e-07
7:	1.0000e+00	1.0000e+00	3e-07	8e-08	5e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.3909e-01	2.3845e-01	3e+00	8e-01	2e-16	1e-01
2:	9.7679e-01	9.7436e-01	8e-01	3e-01	6e-16	3e-02
3:	9.8297e-01	9.7996e-01	2e-01	7e-02	1e-15	7e-03
4:	9.9978e-01	9.9973e-01	4e-03	1e-03	1e-15	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	1e-15	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-15	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1689e-01	4.1471e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9672e-01	9.9415e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9527e-01	9.9417e-01	9e-02	3e-02	3e-15	2e-03
4:	9.9995e-01	9.9994e-01	9e-04	3e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9396e-01	3.9199e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9624e-01	9.9392e-01	1e+00	4e-01	1e-15	5e-02
3:	9.8812e-01	9.8600e-01	2e-01	5e-02	2e-15	4e-03
4:	9.9988e-01	9.9986e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0968e-01	4.0756e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9640e-01	9.9408e-01	1e+00	4e-01	2e-15	5e-02
3:	9.9168e-01	9.9008e-01	1e-01	4e-02	4e-15	3e-03
4:	9.9992e-01	9.9990e-01	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5227e-01	2.5156e-01	3e+00	9e-01	2e-16	1e-01

2:	9.9495e-01	9.9252e-01	1e+00	3e-01	6e-16	4e-02
3:	9.3173e-01	9.2592e-01	5e-01	2e-01	2e-15	2e-02
4:	9.9940e-01	9.9926e-01	1e-02	4e-03	5e-16	4e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	9e-16	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9681e-01	4.9391e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9688e-01	9.9494e-01	1e+00	4e-01	5e-16	4e-02
3:	9.9919e-01	9.9902e-01	3e-02	8e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	4e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7844e-01	3.7663e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9633e-01	9.9377e-01	2e+00	5e-01	6e-16	6e-02
3:	9.8800e-01	9.8560e-01	2e-01	6e-02	3e-15	5e-03
4:	9.9988e-01	9.9986e-01	2e-03	6e-04	4e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5287e-01	4.5035e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9693e-01	9.9450e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9823e-01	9.9782e-01	4e-02	1e-02	1e-15	9e-04
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	2e-16	9e-06
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	4e-16	9e-08
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	2e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2593e-01	4.2367e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9679e-01	9.9424e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9635e-01	9.9549e-01	7e-02	2e-02	6e-16	2e-03
4:	9.9996e-01	9.9995e-01	7e-04	2e-04	2e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8080e-01	2.7949e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9507e-01	9.9279e-01	9e-01	3e-01	9e-16	3e-02
3:	9.4338e-01	9.3881e-01	4e-01	1e-01	3e-15	1e-02

4:	9.9950e-01	9.9939e-01	1e-02	3e-03	5e-16	3e-04
5:	9.9999e-01	9.9999e-01	1e-04	3e-05	3e-16	3e-06
6:	1.0000e+00	1.0000e+00	1e-06	3e-07	8e-16	3e-08
7:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.6738e-01	2.6657e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9512e-01	9.9267e-01	1e+00	3e-01	5e-16	4e-02
3:	9.3329e-01	9.2706e-01	4e-01	1e-01	2e-15	1e-02
4:	9.9940e-01	9.9927e-01	9e-03	3e-03	5e-16	2e-04
5:	9.9999e-01	9.9999e-01	9e-05	3e-05	7e-16	2e-06
6:	1.0000e+00	1.0000e+00	9e-07	3e-07	4e-16	2e-08
7:	1.0000e+00	1.0000e+00	9e-09	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.3297e-01	2.3213e-01	3e+00	9e-01	2e-16	1e-01
2:	9.4658e-01	9.4413e-01	8e-01	3e-01	5e-16	3e-02
3:	9.7942e-01	9.7639e-01	2e-01	7e-02	2e-15	6e-03
4:	9.9984e-01	9.9976e-01	5e-03	2e-03	8e-16	2e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	8e-16	2e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	2e-15	2e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.7341e-01	2.7255e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9521e-01	9.9273e-01	1e+00	4e-01	4e-16	5e-02
3:	9.4271e-01	9.3667e-01	5e-01	1e-01	2e-15	1e-02
4:	9.9948e-01	9.9937e-01	9e-03	3e-03	6e-16	3e-04
5:	9.9999e-01	9.9999e-01	9e-05	3e-05	4e-16	3e-06
6:	1.0000e+00	1.0000e+00	9e-07	3e-07	4e-16	3e-08
7:	1.0000e+00	1.0000e+00	9e-09	3e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	3.8330e-01	3.8096e-01	4e+00	1e+00	2e-16	2e-01
2:	1.0826e+00	1.0805e+00	1e+00	3e-01	2e-15	4e-02
3:	1.3487e+00	1.3479e+00	3e-01	8e-02	4e-16	9e-03
4:	1.3557e+00	1.3550e+00	9e-02	3e-02	2e-15	3e-03
5:	1.3698e+00	1.3698e+00	3e-03	8e-04	6e-16	7e-05
6:	1.3702e+00	1.3702e+00	3e-05	8e-06	1e-15	7e-07
7:	1.3702e+00	1.3702e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.0633e-01	5.0486e-01	4e+00	1e+00	2e-16	1e-01

2:	1.5864e+00	1.5840e+00	1e+00	3e-01	9e-16	4e-02
3:	1.6787e+00	1.6749e+00	4e-01	1e-01	5e-15	1e-02
4:	1.7195e+00	1.7184e+00	1e-01	3e-02	1e-15	3e-03
5:	1.7354e+00	1.7353e+00	1e-02	4e-03	1e-15	4e-04
6:	1.7372e+00	1.7372e+00	2e-03	5e-04	2e-14	4e-05
7:	1.7375e+00	1.7375e+00	2e-05	5e-06	2e-15	4e-07
8:	1.7375e+00	1.7375e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1853e-01	4.1628e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9634e-01	9.9381e-01	2e+00	5e-01	1e-15	6e-02
3:	1.0448e+00	1.0441e+00	1e-01	5e-02	8e-16	5e-03
4:	1.0664e+00	1.0663e+00	2e-02	7e-03	5e-16	7e-04
5:	1.0712e+00	1.0712e+00	4e-03	1e-03	2e-15	1e-04
6:	1.0717e+00	1.0717e+00	6e-04	2e-04	7e-15	2e-05
7:	1.0718e+00	1.0718e+00	8e-06	2e-06	9e-16	2e-07
8:	1.0718e+00	1.0718e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9060e-01	3.8884e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0644e+00	1.0621e+00	1e+00	3e-01	6e-16	4e-02
3:	1.1672e+00	1.1667e+00	2e-01	6e-02	5e-16	6e-03
4:	1.1910e+00	1.1908e+00	3e-02	1e-02	3e-15	1e-03
5:	1.1952e+00	1.1952e+00	1e-03	4e-04	2e-15	4e-05
6:	1.1953e+00	1.1953e+00	1e-05	4e-06	5e-16	4e-07
7:	1.1953e+00	1.1953e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6559e-01	7.6252e-01	5e+00	2e+00	2e-16	2e-01
2:	1.6374e+00	1.6354e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9052e+00	1.9045e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9985e+00	1.9982e+00	1e-01	4e-02	7e-16	4e-03
5:	1.9909e+00	1.9905e+00	8e-02	2e-02	8e-15	2e-03
6:	1.9998e+00	1.9998e+00	2e-03	5e-04	6e-15	5e-05
7:	2.0000e+00	2.0000e+00	2e-05	5e-06	1e-14	5e-07
8:	2.0000e+00	2.0000e+00	2e-07	5e-08	1e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9957e-01	9.9633e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9367e+00	1.9349e+00	1e+00	5e-01	2e-15	5e-02
3:	1.9935e+00	1.9929e+00	8e-02	2e-02	1e-15	2e-03
4:	1.9999e+00	1.9999e+00	8e-04	2e-04	4e-16	2e-05
5:	2.0000e+00	2.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	8e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1250e-01	4.1022e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2395e+00	1.2375e+00	8e-01	3e-01	1e-15	3e-02
3:	1.3883e+00	1.3875e+00	3e-01	9e-02	6e-16	9e-03
4:	1.4094e+00	1.4091e+00	4e-02	1e-02	2e-15	1e-03
5:	1.4147e+00	1.4147e+00	6e-04	2e-04	2e-15	2e-05
6:	1.4148e+00	1.4148e+00	6e-06	2e-06	5e-16	2e-07
7:	1.4148e+00	1.4148e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7574e-01	8.7329e-01	4e+00	1e+00	3e-16	2e-01
2:	1.9800e+00	1.9782e+00	1e+00	3e-01	8e-16	4e-02
3:	1.9785e+00	1.9773e+00	1e-01	5e-02	4e-15	4e-03
4:	1.9998e+00	1.9998e+00	2e-03	5e-04	4e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.6999e-01	6.6836e-01	4e+00	1e+00	2e-16	1e-01
2:	1.9050e+00	1.9026e+00	1e+00	4e-01	9e-16	4e-02
3:	1.9877e+00	1.9856e+00	2e-01	7e-02	4e-15	7e-03
4:	1.9998e+00	1.9997e+00	3e-03	9e-04	2e-15	9e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	2e-15	9e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	1e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2545e-01	7.2278e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8256e+00	1.8234e+00	1e+00	4e-01	7e-16	5e-02
3:	1.9964e+00	1.9954e+00	5e-01	1e-01	7e-16	2e-02
4:	1.9885e+00	1.9875e+00	1e-01	3e-02	7e-15	2e-03
5:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
6:	2.0000e+00	2.0000e+00	1e-05	3e-06	1e-15	3e-07
7:	2.0000e+00	2.0000e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.1579e-01	6.1381e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8000e+00	1.7980e+00	7e-01	2e-01	1e-15	3e-02
3:	1.9430e+00	1.9424e+00	2e-01	6e-02	1e-15	7e-03
4:	1.9513e+00	1.9509e+00	6e-02	2e-02	4e-15	2e-03
5:	1.9601e+00	1.9599e+00	2e-02	7e-03	2e-15	6e-04
6:	1.9621e+00	1.9621e+00	2e-04	7e-05	3e-15	6e-06
7:	1.9621e+00	1.9621e+00	2e-06	7e-07	2e-15	6e-08



8:	1.9621e+00	1.9621e+00	2e-08	7e-09	2e-15	6e-10
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.0638e-01	8.0373e-01	5e+00	1e+00	1e-16	2e-01
2:	1.7860e+00	1.7838e+00	2e+00	5e-01	9e-16	5e-02
3:	1.9384e+00	1.9374e+00	3e-01	1e-01	1e-15	1e-02
4:	1.9986e+00	1.9983e+00	8e-02	3e-02	1e-15	3e-03
5:	1.9969e+00	1.9967e+00	2e-02	7e-03	2e-14	6e-04
6:	2.0000e+00	2.0000e+00	2e-04	8e-05	3e-15	6e-06
7:	2.0000e+00	2.0000e+00	2e-06	8e-07	2e-15	6e-08
8:	2.0000e+00	2.0000e+00	2e-08	8e-09	5e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.1336e-01	5.1170e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5335e+00	1.5311e+00	1e+00	3e-01	1e-15	4e-02
3:	1.7289e+00	1.7283e+00	2e-01	6e-02	6e-16	6e-03
4:	1.7237e+00	1.7229e+00	1e-01	4e-02	6e-15	4e-03
5:	1.7338e+00	1.7337e+00	3e-02	8e-03	2e-15	8e-04
6:	1.7369e+00	1.7369e+00	5e-04	2e-04	8e-16	2e-05
7:	1.7369e+00	1.7369e+00	5e-06	2e-06	2e-15	2e-07
8:	1.7369e+00	1.7369e+00	5e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.3918e-01	5.3720e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5275e+00	1.5250e+00	1e+00	4e-01	1e-15	5e-02
3:	1.7807e+00	1.7794e+00	5e-01	1e-01	1e-15	2e-02
4:	1.8424e+00	1.8416e+00	1e-01	4e-02	2e-15	4e-03
5:	1.8525e+00	1.8523e+00	3e-02	9e-03	2e-15	9e-04
6:	1.8540e+00	1.8540e+00	1e-03	4e-04	3e-15	4e-05
7:	1.8542e+00	1.8542e+00	1e-05	4e-06	3e-15	4e-07
8:	1.8542e+00	1.8542e+00	1e-07	4e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7734e-01	8.7421e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9808e+00	1.9788e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9674e+00	1.9653e+00	3e-01	8e-02	3e-15	6e-03
4:	1.9997e+00	1.9996e+00	3e-03	9e-04	4e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	3e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.9209e-01	4.9052e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4815e+00	1.4793e+00	9e-01	3e-01	6e-16	3e-02

3:	1.5351e+00	1.5341e+00	2e-01	6e-02	2e-15	7e-03
4:	1.5791e+00	1.5788e+00	5e-02	2e-02	2e-15	2e-03
5:	1.5811e+00	1.5810e+00	1e-02	5e-03	3e-14	4e-04
6:	1.5832e+00	1.5832e+00	5e-04	1e-04	4e-15	1e-05
7:	1.5832e+00	1.5832e+00	5e-06	1e-06	4e-15	1e-07
8:	1.5832e+00	1.5832e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7602e-01	2.7494e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0634e+00	1.0610e+00	8e-01	3e-01	1e-15	3e-02
3:	1.1345e+00	1.1332e+00	2e-01	7e-02	5e-16	7e-03
4:	1.1660e+00	1.1655e+00	6e-02	2e-02	6e-16	2e-03
5:	1.1711e+00	1.1711e+00	4e-03	1e-03	2e-15	1e-04
6:	1.1717e+00	1.1717e+00	5e-05	1e-05	2e-15	1e-06
7:	1.1717e+00	1.1717e+00	5e-07	1e-07	1e-15	1e-08
8:	1.1717e+00	1.1717e+00	5e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6416e-01	4.6182e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1860e+00	1.1837e+00	1e+00	4e-01	1e-15	4e-02
3:	1.2731e+00	1.2727e+00	2e-01	6e-02	6e-16	7e-03
4:	1.2911e+00	1.2910e+00	4e-02	1e-02	1e-15	1e-03
5:	1.2979e+00	1.2978e+00	6e-03	2e-03	3e-15	2e-04
6:	1.2990e+00	1.2989e+00	1e-03	4e-04	6e-16	4e-05
7:	1.2990e+00	1.2990e+00	1e-04	5e-05	1e-14	4e-06
8:	1.2990e+00	1.2990e+00	1e-06	5e-07	2e-15	4e-08
9:	1.2990e+00	1.2990e+00	1e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.0624e-01	8.0415e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9841e+00	1.9820e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9713e+00	1.9694e+00	2e-01	6e-02	2e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	7e-04	4e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	6e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8138e-01	9.7825e-01	6e+00	2e+00	2e-16	2e-01
2:	1.9583e+00	1.9574e+00	8e-01	2e-01	1e-15	2e-02
3:	1.9545e+00	1.9536e+00	2e-01	8e-02	3e-15	6e-03
4:	1.9995e+00	1.9995e+00	3e-03	1e-03	4e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	2e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	5e-16	8e-09
7:	2.0000e+00	2.0000e+00	3e-09	1e-09	5e-16	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4899e-01	3.4753e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2511e+00	1.2487e+00	1e+00	3e-01	1e-15	4e-02
3:	1.3697e+00	1.3687e+00	2e-01	8e-02	9e-16	9e-03
4:	1.3831e+00	1.3829e+00	2e-02	7e-03	9e-16	8e-04
5:	1.3865e+00	1.3865e+00	1e-03	4e-04	8e-16	5e-05
6:	1.3866e+00	1.3866e+00	1e-05	4e-06	9e-16	5e-07
7:	1.3866e+00	1.3866e+00	1e-07	4e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.3905e-01	4.3708e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1439e+00	1.1415e+00	1e+00	4e-01	1e-15	5e-02
3:	1.2529e+00	1.2519e+00	3e-01	1e-01	7e-16	1e-02
4:	1.2690e+00	1.2688e+00	5e-02	2e-02	2e-15	2e-03
5:	1.2773e+00	1.2773e+00	8e-03	2e-03	1e-15	2e-04
6:	1.2782e+00	1.2782e+00	2e-04	5e-05	7e-16	5e-06
7:	1.2783e+00	1.2783e+00	2e-06	5e-07	4e-16	5e-08
8:	1.2783e+00	1.2783e+00	2e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1312e+00	1.1284e+00	6e+00	2e+00	3e-16	2e-01
2:	1.6219e+00	1.6207e+00	1e+00	3e-01	6e-15	3e-02
3:	1.8707e+00	1.8703e+00	3e-01	1e-01	2e-15	9e-03
4:	1.9367e+00	1.9366e+00	7e-02	2e-02	2e-15	2e-03
5:	1.9453e+00	1.9453e+00	4e-03	1e-03	3e-15	1e-04
6:	1.9460e+00	1.9460e+00	4e-05	1e-05	1e-15	1e-06
7:	1.9460e+00	1.9460e+00	4e-07	1e-07	1e-15	1e-08
8:	1.9460e+00	1.9460e+00	4e-09	1e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7016e-01	6.6728e-01	5e+00	2e+00	2e-16	2e-01
2:	1.6996e+00	1.6979e+00	9e-01	3e-01	2e-15	3e-02
3:	1.8666e+00	1.8660e+00	2e-01	6e-02	8e-16	6e-03
4:	1.8766e+00	1.8760e+00	9e-02	3e-02	3e-15	2e-03
5:	1.8946e+00	1.8946e+00	3e-03	1e-03	2e-15	9e-05
6:	1.8950e+00	1.8950e+00	3e-05	1e-05	4e-15	9e-07
7:	1.8950e+00	1.8950e+00	3e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.0016e-01	2.9845e-01	4e+00	1e+00	1e-16	1e-01
2:	9.1936e-01	9.1695e-01	1e+00	3e-01	1e-15	4e-02
3:	1.1429e+00	1.1423e+00	2e-01	5e-02	5e-16	5e-03

4:	1.1553e+00	1.1550e+00	3e-02	9e-03	2e-15	8e-04
5:	1.1611e+00	1.1611e+00	5e-04	1e-04	1e-15	1e-05
6:	1.1611e+00	1.1611e+00	5e-06	1e-06	4e-15	1e-07
7:	1.1611e+00	1.1611e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.6353e-01	5.6154e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4658e+00	1.4633e+00	2e+00	5e-01	8e-16	6e-02
3:	1.6133e+00	1.6100e+00	4e-01	1e-01	3e-15	1e-02
4:	1.6696e+00	1.6689e+00	7e-02	2e-02	8e-16	2e-03
5:	1.6792e+00	1.6791e+00	1e-02	4e-03	2e-15	3e-04
6:	1.6803e+00	1.6803e+00	3e-04	8e-05	6e-15	7e-06
7:	1.6803e+00	1.6803e+00	3e-06	8e-07	3e-15	7e-08
8:	1.6803e+00	1.6803e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.9268e-01	5.8977e-01	5e+00	2e+00	1e-16	2e-01
2:	1.5368e+00	1.5350e+00	1e+00	3e-01	2e-15	3e-02
3:	1.7015e+00	1.7002e+00	3e-01	1e-01	2e-15	1e-02
4:	1.7674e+00	1.7672e+00	5e-02	1e-02	8e-16	1e-03
5:	1.7744e+00	1.7744e+00	5e-04	2e-04	8e-16	2e-05
6:	1.7745e+00	1.7745e+00	5e-06	2e-06	2e-15	2e-07
7:	1.7745e+00	1.7745e+00	5e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.4352e-01	2.4230e-01	3e+00	1e+00	3e-16	1e-01
2:	8.7250e-01	8.6996e-01	1e+00	3e-01	1e-15	4e-02
3:	1.0033e+00	1.0024e+00	3e-01	8e-02	5e-16	9e-03
4:	1.0457e+00	1.0456e+00	4e-02	1e-02	4e-16	2e-03
5:	1.0477e+00	1.0476e+00	1e-02	3e-03	4e-15	3e-04
6:	1.0494e+00	1.0494e+00	1e-04	3e-05	4e-16	3e-06
7:	1.0495e+00	1.0495e+00	1e-06	3e-07	3e-15	3e-08
8:	1.0495e+00	1.0495e+00	1e-08	3e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8366e-01	3.8144e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9567e-01	9.9355e-01	1e+00	3e-01	6e-16	4e-02
3:	1.1185e+00	1.1180e+00	2e-01	7e-02	5e-16	8e-03
4:	1.1354e+00	1.1353e+00	3e-02	8e-03	1e-15	9e-04
5:	1.1394e+00	1.1394e+00	1e-03	4e-04	2e-15	4e-05
6:	1.1397e+00	1.1397e+00	1e-05	4e-06	5e-16	4e-07
7:	1.1397e+00	1.1397e+00	1e-07	4e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.1204e-01	8.0877e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8884e+00	1.8867e+00	1e+00	3e-01	7e-16	3e-02
3:	1.9745e+00	1.9730e+00	2e-01	7e-02	2e-15	6e-03
4:	1.9998e+00	1.9997e+00	4e-03	1e-03	1e-15	9e-05
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	8e-16	9e-07
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	2e-15	9e-09
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	9e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.2624e-01	7.2421e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8156e+00	1.8131e+00	2e+00	5e-01	1e-15	6e-02
3:	1.9642e+00	1.9608e+00	3e-01	1e-01	2e-15	9e-03
4:	1.9806e+00	1.9794e+00	1e-01	3e-02	2e-15	3e-03
5:	1.9998e+00	1.9997e+00	2e-03	5e-04	2e-16	4e-05
6:	2.0000e+00	2.0000e+00	2e-05	5e-06	2e-15	4e-07
7:	2.0000e+00	2.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.0829e-01	9.0494e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8831e+00	1.8808e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9742e+00	1.9727e+00	2e-01	7e-02	2e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	7e-04	4e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6487e-01	4.6317e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4089e+00	1.4066e+00	1e+00	4e-01	9e-16	5e-02
3:	1.6522e+00	1.6509e+00	4e-01	1e-01	2e-15	1e-02
4:	1.6435e+00	1.6418e+00	2e-01	8e-02	3e-15	8e-03
5:	1.6821e+00	1.6819e+00	3e-02	8e-03	5e-16	8e-04
6:	1.6843e+00	1.6843e+00	2e-03	7e-04	2e-14	6e-05
7:	1.6846e+00	1.6846e+00	7e-05	2e-05	4e-15	2e-06
8:	1.6846e+00	1.6846e+00	7e-07	2e-07	5e-15	2e-08
9:	1.6846e+00	1.6846e+00	7e-09	2e-09	7e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.0943e-01	7.0679e-01	5e+00	1e+00	3e-16	2e-01
2:	1.7315e+00	1.7293e+00	1e+00	5e-01	7e-16	5e-02
3:	1.9267e+00	1.9254e+00	6e-01	2e-01	6e-16	2e-02
4:	1.9284e+00	1.9275e+00	1e-01	4e-02	3e-15	4e-03
5:	1.9447e+00	1.9444e+00	4e-02	1e-02	8e-16	1e-03
6:	1.9481e+00	1.9481e+00	3e-03	8e-04	1e-15	7e-05

7:	1.9485e+00	1.9485e+00	1e-04	3e-05	2e-15	3e-06
8:	1.9486e+00	1.9486e+00	1e-06	3e-07	2e-15	3e-08
9:	1.9486e+00	1.9486e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.2886e-01	5.2711e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7556e+00	1.7534e+00	9e-01	3e-01	5e-16	3e-02
3:	1.8732e+00	1.8721e+00	3e-01	8e-02	1e-15	9e-03
4:	1.8895e+00	1.8891e+00	6e-02	2e-02	2e-15	2e-03
5:	1.8975e+00	1.8975e+00	3e-03	9e-04	2e-15	9e-05
6:	1.8979e+00	1.8979e+00	3e-05	9e-06	1e-15	9e-07
7:	1.8979e+00	1.8979e+00	3e-07	9e-08	2e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8785e-01	3.8586e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1643e+00	1.1620e+00	1e+00	4e-01	2e-15	4e-02
3:	1.3338e+00	1.3333e+00	2e-01	5e-02	9e-16	6e-03
4:	1.3546e+00	1.3544e+00	2e-02	8e-03	2e-15	8e-04
5:	1.3577e+00	1.3576e+00	4e-03	1e-03	1e-14	1e-04
6:	1.3581e+00	1.3581e+00	6e-05	2e-05	3e-14	2e-06
7:	1.3581e+00	1.3581e+00	6e-07	2e-07	2e-14	2e-08
8:	1.3581e+00	1.3581e+00	6e-09	2e-09	2e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.8295e-01	4.8117e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2979e+00	1.2955e+00	1e+00	4e-01	1e-15	5e-02
3:	1.4740e+00	1.4724e+00	2e-01	7e-02	2e-15	7e-03
4:	1.4989e+00	1.4985e+00	5e-02	1e-02	1e-15	1e-03
5:	1.5018e+00	1.5017e+00	5e-03	2e-03	7e-15	1e-04
6:	1.5024e+00	1.5024e+00	5e-05	2e-05	7e-16	1e-06
7:	1.5024e+00	1.5024e+00	5e-07	2e-07	1e-15	1e-08
8:	1.5024e+00	1.5024e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.6870e-01	8.6594e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9885e+00	1.9865e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9776e+00	1.9758e+00	2e-01	6e-02	5e-15	4e-03
4:	1.9998e+00	1.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.2172e-01	2.2090e-01	3e+00	9e-01	2e-16	1e-01

2:	9.2039e-01	9.1801e-01	9e-01	3e-01	5e-16	3e-02
3:	9.3756e-01	9.3536e-01	3e-01	8e-02	1e-15	9e-03
4:	9.7881e-01	9.7843e-01	4e-02	1e-02	7e-16	1e-03
5:	9.8350e-01	9.8348e-01	1e-03	4e-04	8e-16	4e-05
6:	9.8371e-01	9.8371e-01	1e-05	4e-06	4e-16	4e-07
7:	9.8371e-01	9.8371e-01	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6017e-01	6.5747e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7380e+00	1.7358e+00	1e+00	4e-01	6e-16	5e-02
3:	1.8929e+00	1.8916e+00	2e-01	7e-02	8e-16	6e-03
4:	1.9172e+00	1.9169e+00	4e-02	1e-02	2e-15	1e-03
5:	1.9260e+00	1.9260e+00	2e-03	7e-04	9e-16	6e-05
6:	1.9263e+00	1.9263e+00	2e-05	7e-06	1e-15	6e-07
7:	1.9264e+00	1.9264e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7279e-01	6.6990e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7577e+00	1.7560e+00	9e-01	3e-01	1e-15	3e-02
3:	1.9960e+00	1.9952e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9720e+00	1.9708e+00	2e-01	5e-02	4e-15	5e-03
5:	1.9997e+00	1.9997e+00	3e-03	9e-04	2e-15	8e-05
6:	2.0000e+00	2.0000e+00	3e-05	9e-06	3e-15	8e-07
7:	2.0000e+00	2.0000e+00	3e-07	9e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	9.2199e-02	9.1635e-02	3e+00	8e-01	1e-16	1e-01
2:	4.9053e-01	4.8808e-01	6e-01	2e-01	4e-16	3e-02
3:	5.5851e-01	5.5752e-01	2e-01	5e-02	5e-16	6e-03
4:	5.8463e-01	5.8433e-01	4e-02	1e-02	5e-16	1e-03
5:	5.8895e-01	5.8895e-01	6e-04	2e-04	1e-15	2e-05
6:	5.8901e-01	5.8901e-01	6e-06	2e-06	1e-15	2e-07
7:	5.8902e-01	5.8902e-01	6e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.0555e-01	9.0271e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9318e+00	1.9300e+00	1e+00	4e-01	7e-16	4e-02
3:	1.9912e+00	1.9903e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	3.4351e-01	3.4176e-01	4e+00	1e+00	2e-16	1e-01
2:	1.0510e+00	1.0485e+00	1e+00	4e-01	1e-15	5e-02
3:	1.2153e+00	1.2144e+00	3e-01	1e-01	9e-16	1e-02
4:	1.2555e+00	1.2553e+00	5e-02	2e-02	9e-16	2e-03
5:	1.2613e+00	1.2612e+00	8e-03	2e-03	6e-15	2e-04
6:	1.2629e+00	1.2629e+00	1e-04	4e-05	6e-15	3e-06
7:	1.2629e+00	1.2629e+00	1e-06	4e-07	3e-15	3e-08
8:	1.2629e+00	1.2629e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2939e-01	4.2773e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4405e+00	1.4382e+00	9e-01	3e-01	5e-16	3e-02
3:	1.6317e+00	1.6304e+00	3e-01	1e-01	1e-15	1e-02
4:	1.6564e+00	1.6557e+00	7e-02	2e-02	2e-15	2e-03
5:	1.6638e+00	1.6637e+00	1e-02	4e-03	3e-15	4e-04
6:	1.6657e+00	1.6657e+00	1e-03	4e-04	5e-15	3e-05
7:	1.6659e+00	1.6659e+00	1e-05	4e-06	2e-14	4e-07
8:	1.6659e+00	1.6659e+00	1e-07	4e-08	3e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6800e-01	7.6526e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7565e+00	1.7547e+00	1e+00	4e-01	2e-15	4e-02
3:	1.8894e+00	1.8885e+00	2e-01	8e-02	2e-15	8e-03
4:	1.9560e+00	1.9558e+00	5e-02	1e-02	4e-15	1e-03
5:	1.9589e+00	1.9589e+00	1e-02	4e-03	2e-14	4e-04
6:	1.9611e+00	1.9611e+00	5e-04	2e-04	1e-14	1e-05
7:	1.9611e+00	1.9611e+00	5e-06	2e-06	1e-14	1e-07
8:	1.9611e+00	1.9611e+00	5e-08	2e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.9178e-01	3.9045e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2355e+00	1.2331e+00	1e+00	4e-01	8e-16	5e-02
3:	1.2994e+00	1.2951e+00	4e-01	1e-01	8e-16	1e-02
4:	1.3646e+00	1.3634e+00	1e-01	4e-02	5e-16	3e-03
5:	1.3867e+00	1.3864e+00	2e-02	7e-03	5e-16	7e-04
6:	1.3894e+00	1.3894e+00	5e-03	2e-03	2e-15	1e-04
7:	1.3902e+00	1.3902e+00	5e-05	2e-05	7e-16	1e-06
8:	1.3902e+00	1.3902e+00	5e-07	2e-07	8e-16	1e-08
9:	1.3902e+00	1.3902e+00	5e-09	2e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.6505e-01	3.6391e-01	3e+00	1e+00	2e-16	1e-01
2:	1.3016e+00	1.2991e+00	1e+00	4e-01	6e-16	4e-02
3:	1.4422e+00	1.4405e+00	2e-01	7e-02	1e-15	7e-03



4:	1.4616e+00	1.4614e+00	2e-02	5e-03	2e-15	5e-04
5:	1.4645e+00	1.4645e+00	2e-04	5e-05	1e-15	5e-06
6:	1.4645e+00	1.4645e+00	2e-06	5e-07	6e-16	5e-08
7:	1.4645e+00	1.4645e+00	2e-08	5e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.9393e-01	5.9147e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4350e+00	1.4329e+00	1e+00	4e-01	1e-15	5e-02
3:	1.6798e+00	1.6787e+00	4e-01	1e-01	2e-15	1e-02
4:	1.7262e+00	1.7257e+00	1e-01	4e-02	1e-15	4e-03
5:	1.7335e+00	1.7334e+00	2e-02	6e-03	2e-15	5e-04
6:	1.7362e+00	1.7362e+00	3e-04	1e-04	9e-16	9e-06
7:	1.7362e+00	1.7362e+00	3e-06	1e-06	2e-15	9e-08
8:	1.7362e+00	1.7362e+00	3e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.5129e-01	5.4813e-01	5e+00	2e+00	2e-16	2e-01
2:	1.2991e+00	1.2977e+00	9e-01	3e-01	1e-15	3e-02
3:	1.4616e+00	1.4610e+00	3e-01	8e-02	8e-16	8e-03
4:	1.4868e+00	1.4867e+00	3e-02	9e-03	1e-15	9e-04
5:	1.4927e+00	1.4926e+00	9e-03	3e-03	6e-16	3e-04
6:	1.4939e+00	1.4939e+00	2e-04	6e-05	1e-15	5e-06
7:	1.4939e+00	1.4939e+00	2e-06	6e-07	5e-16	5e-08
8:	1.4939e+00	1.4939e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.1403e-01	2.1297e-01	3e+00	1e+00	2e-16	1e-01
2:	8.8094e-01	8.7841e-01	1e+00	3e-01	7e-16	4e-02
3:	9.9293e-01	9.9220e-01	2e-01	7e-02	7e-16	8e-03
4:	1.0040e+00	1.0039e+00	4e-02	1e-02	9e-16	1e-03
5:	1.0102e+00	1.0101e+00	1e-02	3e-03	4e-16	4e-04
6:	1.0107e+00	1.0107e+00	2e-03	5e-04	4e-15	5e-05
7:	1.0110e+00	1.0110e+00	2e-05	6e-06	9e-16	5e-07
8:	1.0110e+00	1.0110e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0451e+00	1.0428e+00	4e+00	1e+00	2e-16	2e-01
2:	2.6469e+00	2.6450e+00	9e-01	3e-01	1e-15	3e-02
3:	2.7874e+00	2.7867e+00	1e-01	5e-02	1e-15	5e-03
4:	2.8037e+00	2.8036e+00	9e-03	3e-03	2e-15	3e-04
5:	2.8039e+00	2.8039e+00	2e-03	7e-04	2e-13	7e-05
6:	2.8042e+00	2.8042e+00	2e-05	8e-06	6e-15	7e-07
7:	2.8042e+00	2.8042e+00	2e-07	8e-08	8e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.8264e-01	5.8053e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6791e+00	1.6769e+00	1e+00	4e-01	4e-16	5e-02
3:	1.7552e+00	1.7512e+00	4e-01	1e-01	2e-15	1e-02
4:	1.8101e+00	1.8095e+00	5e-02	2e-02	1e-15	1e-03
5:	1.8199e+00	1.8198e+00	5e-03	2e-03	5e-16	1e-04
6:	1.8207e+00	1.8207e+00	6e-05	2e-05	1e-15	1e-06
7:	1.8208e+00	1.8208e+00	6e-07	2e-07	4e-16	1e-08
8:	1.8208e+00	1.8208e+00	6e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1023e+00	1.0993e+00	5e+00	2e+00	1e-16	2e-01
2:	2.3057e+00	2.3035e+00	2e+00	5e-01	1e-15	6e-02
3:	2.4455e+00	2.4444e+00	3e-01	1e-01	3e-15	1e-02
4:	2.4902e+00	2.4900e+00	5e-02	2e-02	6e-16	2e-03
5:	2.5001e+00	2.5001e+00	1e-02	4e-03	5e-16	4e-04
6:	2.5015e+00	2.5015e+00	6e-04	2e-04	5e-15	2e-05
7:	2.5016e+00	2.5016e+00	6e-06	2e-06	1e-15	2e-07
8:	2.5016e+00	2.5016e+00	6e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2356e+00	1.2323e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5847e+00	2.5830e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8375e+00	2.8360e+00	4e-01	1e-01	3e-15	1e-02
4:	2.9399e+00	2.9394e+00	8e-02	3e-02	2e-15	2e-03
5:	2.9498e+00	2.9498e+00	4e-03	1e-03	5e-15	1e-04
6:	2.9505e+00	2.9505e+00	5e-05	1e-05	4e-15	1e-06
7:	2.9505e+00	2.9505e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7792e-01	6.7510e-01	5e+00	2e+00	1e-16	2e-01
2:	1.7358e+00	1.7337e+00	1e+00	4e-01	2e-15	4e-02
3:	1.7441e+00	1.7420e+00	5e-01	2e-01	8e-16	2e-02
4:	1.8180e+00	1.8177e+00	7e-02	2e-02	7e-16	2e-03
5:	1.8280e+00	1.8279e+00	2e-02	6e-03	2e-15	6e-04
6:	1.8324e+00	1.8323e+00	3e-03	1e-03	1e-15	9e-05
7:	1.8329e+00	1.8329e+00	4e-05	1e-05	4e-15	1e-06
8:	1.8329e+00	1.8329e+00	4e-07	1e-07	3e-15	1e-08
9:	1.8329e+00	1.8329e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0518e-01	3.0415e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0793e+00	1.0768e+00	1e+00	3e-01	1e-15	4e-02

3:	1.1769e+00	1.1755e+00	2e-01	8e-02	9e-16	9e-03
4:	1.2146e+00	1.2141e+00	7e-02	2e-02	9e-16	2e-03
5:	1.2247e+00	1.2245e+00	2e-02	7e-03	2e-15	7e-04
6:	1.2251e+00	1.2250e+00	8e-03	2e-03	4e-15	2e-04
7:	1.2262e+00	1.2262e+00	9e-05	3e-05	1e-15	3e-06
8:	1.2262e+00	1.2262e+00	9e-07	3e-07	2e-15	3e-08
9:	1.2262e+00	1.2262e+00	9e-09	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3032e+00	1.3000e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5472e+00	2.5453e+00	2e+00	5e-01	2e-15	5e-02
3:	2.7527e+00	2.7508e+00	7e-01	2e-01	4e-15	2e-02
4:	2.7736e+00	2.7728e+00	2e-01	5e-02	5e-15	4e-03
5:	2.7992e+00	2.7991e+00	2e-02	7e-03	9e-16	6e-04
6:	2.8025e+00	2.8025e+00	2e-03	7e-04	4e-15	6e-05
7:	2.8029e+00	2.8029e+00	2e-05	7e-06	7e-16	6e-07
8:	2.8029e+00	2.8029e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2134e+00	1.2101e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4479e+00	2.4461e+00	2e+00	5e-01	2e-15	5e-02
3:	2.6825e+00	2.6819e+00	4e-01	1e-01	7e-16	1e-02
4:	2.7225e+00	2.7223e+00	4e-02	1e-02	1e-15	1e-03
5:	2.7290e+00	2.7290e+00	4e-04	1e-04	4e-16	1e-05
6:	2.7291e+00	2.7291e+00	4e-06	1e-06	4e-16	1e-07
7:	2.7291e+00	2.7291e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1389e+00	1.1358e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4094e+00	2.4077e+00	1e+00	4e-01	3e-15	4e-02
3:	2.5657e+00	2.5654e+00	2e-01	5e-02	1e-15	5e-03
4:	2.5775e+00	2.5774e+00	2e-02	5e-03	4e-15	5e-04
5:	2.5806e+00	2.5806e+00	2e-04	6e-05	8e-16	5e-06
6:	2.5807e+00	2.5807e+00	2e-06	6e-07	5e-16	5e-08
7:	2.5807e+00	2.5807e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8221e-01	8.7967e-01	5e+00	1e+00	3e-16	2e-01
2:	2.1565e+00	2.1542e+00	2e+00	5e-01	6e-16	5e-02
3:	2.2831e+00	2.2816e+00	3e-01	8e-02	3e-15	8e-03
4:	2.3358e+00	2.3354e+00	6e-02	2e-02	2e-15	2e-03
5:	2.3428e+00	2.3427e+00	3e-03	1e-03	2e-15	1e-04
6:	2.3431e+00	2.3431e+00	3e-05	1e-05	2e-15	1e-06
7:	2.3432e+00	2.3432e+00	3e-07	1e-07	3e-15	1e-08

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8: 2.3432e+00 2.3432e+00 3e-09 1e-09 2e-15 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.4112e+00 1.4078e+00 6e+00 2e+00 2e-16 2e-01
2: 2.4817e+00 2.4792e+00 2e+00 5e-01 2e-15 5e-02
3: 2.8770e+00 2.8761e+00 4e-01 1e-01 8e-16 1e-02
4: 2.9084e+00 2.9078e+00 2e-01 5e-02 2e-15 4e-03
5: 2.9352e+00 2.9351e+00 3e-02 9e-03 1e-15 8e-04
6: 2.9390e+00 2.9390e+00 3e-04 1e-04 2e-15 9e-06
7: 2.9390e+00 2.9390e+00 3e-06 1e-06 2e-15 9e-08
8: 2.9390e+00 2.9390e+00 3e-08 1e-08 2e-15 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 8.7873e-01 8.7623e-01 4e+00 1e+00 2e-16 2e-01
2: 2.1338e+00 2.1318e+00 1e+00 4e-01 2e-15 4e-02
3: 2.3400e+00 2.3396e+00 2e-01 5e-02 1e-15 6e-03
4: 2.3465e+00 2.3464e+00 2e-02 7e-03 2e-14 6e-04
5: 2.3477e+00 2.3476e+00 2e-02 5e-03 2e-14 5e-04
6: 2.3495e+00 2.3495e+00 2e-04 6e-05 4e-15 6e-06
7: 2.3495e+00 2.3495e+00 2e-06 6e-07 6e-15 6e-08
8: 2.3495e+00 2.3495e+00 2e-08 6e-09 7e-15 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.9194e-01 5.8908e-01 5e+00 2e+00 2e-16 2e-01
2: 1.4991e+00 1.4971e+00 1e+00 4e-01 2e-15 4e-02
3: 1.6572e+00 1.6562e+00 3e-01 1e-01 9e-16 1e-02
4: 1.7181e+00 1.7178e+00 6e-02 2e-02 5e-16 2e-03
5: 1.7220e+00 1.7219e+00 2e-02 7e-03 8e-15 6e-04
6: 1.7254e+00 1.7254e+00 3e-04 9e-05 2e-15 8e-06
7: 1.7255e+00 1.7255e+00 3e-06 9e-07 4e-15 8e-08
8: 1.7255e+00 1.7255e+00 3e-08 9e-09 2e-15 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 2.0241e-01 2.0157e-01 3e+00 9e-01 2e-16 1e-01
2: 8.4319e-01 8.4094e-01 8e-01 3e-01 6e-16 3e-02
3: 9.7176e-01 9.6994e-01 3e-01 8e-02 7e-16 9e-03
4: 9.8730e-01 9.8660e-01 7e-02 2e-02 2e-15 2e-03
5: 9.9647e-01 9.9641e-01 4e-03 1e-03 3e-15 1e-04
6: 9.9695e-01 9.9695e-01 4e-05 1e-05 2e-15 1e-06
7: 9.9695e-01 9.9695e-01 4e-07 1e-07 1e-15 1e-08
8: 9.9695e-01 9.9695e-01 4e-09 1e-09 2e-15 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00

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1:	5.0136e-01	4.9844e-01	5e+00	2e+00	2e-16	2e-01
2:	1.0644e+00	1.0626e+00	1e+00	4e-01	2e-15	4e-02
3:	1.2109e+00	1.2102e+00	3e-01	1e-01	5e-16	1e-02
4:	1.2408e+00	1.2407e+00	4e-02	1e-02	9e-16	1e-03
5:	1.2459e+00	1.2459e+00	8e-03	2e-03	9e-16	2e-04
6:	1.2463e+00	1.2463e+00	8e-05	3e-05	9e-16	3e-06
7:	1.2463e+00	1.2463e+00	8e-07	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.0117e-01	4.9914e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4009e+00	1.3985e+00	1e+00	4e-01	9e-16	5e-02
3:	1.6368e+00	1.6360e+00	3e-01	9e-02	4e-16	1e-02
4:	1.6622e+00	1.6619e+00	5e-02	2e-02	1e-15	2e-03
5:	1.6665e+00	1.6665e+00	4e-03	1e-03	9e-15	1e-04
6:	1.6668e+00	1.6668e+00	2e-04	5e-05	2e-14	5e-06
7:	1.6668e+00	1.6668e+00	2e-06	5e-07	5e-15	5e-08
8:	1.6668e+00	1.6668e+00	2e-08	5e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4737e+00	1.4703e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6588e+00	2.6569e+00	2e+00	6e-01	8e-16	6e-02
3:	2.7809e+00	2.7799e+00	4e-01	1e-01	2e-15	1e-02
4:	2.8781e+00	2.8779e+00	8e-02	2e-02	4e-16	2e-03
5:	2.8898e+00	2.8898e+00	7e-03	2e-03	2e-15	2e-04
6:	2.8905e+00	2.8905e+00	5e-04	2e-04	5e-14	1e-05
7:	2.8905e+00	2.8905e+00	5e-06	2e-06	4e-15	1e-07
8:	2.8905e+00	2.8905e+00	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.6736e-01	2.6656e-01	3e+00	9e-01	2e-16	1e-01
2:	1.0544e+00	1.0519e+00	1e+00	3e-01	6e-16	4e-02
3:	1.1571e+00	1.1562e+00	2e-01	7e-02	6e-16	9e-03
4:	1.1815e+00	1.1812e+00	5e-02	1e-02	6e-16	2e-03
5:	1.1834e+00	1.1833e+00	6e-03	2e-03	2e-15	1e-04
6:	1.1843e+00	1.1843e+00	6e-05	2e-05	9e-16	1e-06
7:	1.1843e+00	1.1843e+00	6e-07	2e-07	9e-16	1e-08
8:	1.1843e+00	1.1843e+00	6e-09	2e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4977e-01	5.4720e-01	5e+00	1e+00	2e-16	2e-01
2:	1.4333e+00	1.4314e+00	1e+00	4e-01	2e-15	4e-02
3:	1.6810e+00	1.6805e+00	2e-01	8e-02	8e-16	8e-03
4:	1.7002e+00	1.7000e+00	3e-02	9e-03	4e-15	8e-04
5:	1.7039e+00	1.7039e+00	3e-04	1e-04	9e-16	9e-06

6:	1.7040e+00	1.7040e+00	3e-06	1e-06	7e-16	9e-08
7:	1.7040e+00	1.7040e+00	3e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0319e+00	1.0287e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2738e+00	2.2719e+00	1e+00	4e-01	3e-15	4e-02
3:	2.4284e+00	2.4277e+00	4e-01	1e-01	8e-16	1e-02
4:	2.4704e+00	2.4702e+00	8e-02	3e-02	1e-15	3e-03
5:	2.4757e+00	2.4757e+00	1e-03	5e-04	2e-15	4e-05
6:	2.4758e+00	2.4758e+00	1e-05	5e-06	8e-16	4e-07
7:	2.4758e+00	2.4758e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4648e+00	1.4624e+00	6e+00	2e+00	2e-16	2e-01
2:	2.0436e+00	2.0423e+00	1e+00	4e-01	5e-15	4e-02
3:	2.3973e+00	2.3969e+00	3e-01	1e-01	2e-15	8e-03
4:	2.4588e+00	2.4588e+00	6e-02	2e-02	2e-15	2e-03
5:	2.4683e+00	2.4683e+00	2e-03	6e-04	3e-15	5e-05
6:	2.4686e+00	2.4686e+00	2e-05	6e-06	1e-15	5e-07
7:	2.4686e+00	2.4686e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8130e-01	9.7880e-01	4e+00	1e+00	2e-16	2e-01
2:	2.3701e+00	2.3677e+00	2e+00	5e-01	1e-15	5e-02
3:	2.4932e+00	2.4896e+00	5e-01	1e-01	3e-15	1e-02
4:	2.5716e+00	2.5708e+00	9e-02	3e-02	1e-15	3e-03
5:	2.5826e+00	2.5825e+00	1e-02	3e-03	1e-15	3e-04
6:	2.5847e+00	2.5847e+00	5e-04	1e-04	5e-16	1e-05
7:	2.5847e+00	2.5847e+00	5e-06	1e-06	1e-15	1e-07
8:	2.5847e+00	2.5847e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4574e+00	1.4543e+00	6e+00	2e+00	2e-16	2e-01
2:	2.3667e+00	2.3649e+00	2e+00	5e-01	1e-15	4e-02
3:	2.5777e+00	2.5769e+00	4e-01	1e-01	1e-15	1e-02
4:	2.6787e+00	2.6785e+00	9e-02	3e-02	7e-16	3e-03
5:	2.6984e+00	2.6984e+00	1e-03	4e-04	9e-16	4e-05
6:	2.6986e+00	2.6986e+00	1e-05	4e-06	7e-16	4e-07
7:	2.6986e+00	2.6986e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.2583e-01	4.2451e-01	3e+00	1e+00	3e-16	1e-01
2:	1.3223e+00	1.3200e+00	9e-01	3e-01	1e-15	3e-02

3:	1.4448e+00	1.4440e+00	2e-01	6e-02	8e-16	8e-03
4:	1.4557e+00	1.4556e+00	4e-02	1e-02	2e-15	1e-03
5:	1.4605e+00	1.4605e+00	3e-03	1e-03	1e-15	1e-04
6:	1.4608e+00	1.4608e+00	3e-05	1e-05	2e-15	1e-06
7:	1.4608e+00	1.4608e+00	3e-07	1e-07	2e-15	1e-08

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3771e+00	1.3740e+00	6e+00	2e+00	3e-16	2e-01
2:	2.6732e+00	2.6720e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9826e+00	2.9822e+00	3e-01	9e-02	2e-15	8e-03
4:	2.9799e+00	2.9795e+00	1e-01	4e-02	1e-14	3e-03
5:	2.9996e+00	2.9996e+00	3e-03	8e-04	1e-15	7e-05
6:	3.0000e+00	3.0000e+00	3e-05	8e-06	4e-15	7e-07
7:	3.0000e+00	3.0000e+00	3e-07	8e-08	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1897e+00	1.1869e+00	5e+00	1e+00	2e-16	2e-01
2:	2.9487e+00	2.9467e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9310e+00	2.9285e+00	4e-01	1e-01	3e-15	1e-02
4:	2.9992e+00	2.9991e+00	6e-03	2e-03	7e-16	2e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	4e-16	2e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.2674e-01	9.2341e-01	6e+00	2e+00	3e-16	2e-01
2:	1.8546e+00	1.8532e+00	1e+00	4e-01	2e-15	3e-02
3:	2.1485e+00	2.1482e+00	2e-01	5e-02	7e-16	5e-03
4:	2.1612e+00	2.1610e+00	6e-02	2e-02	1e-14	2e-03
5:	2.1723e+00	2.1722e+00	1e-02	3e-03	2e-15	3e-04
6:	2.1737e+00	2.1737e+00	3e-04	8e-05	6e-15	7e-06
7:	2.1737e+00	2.1737e+00	3e-06	8e-07	1e-15	7e-08
8:	2.1737e+00	2.1737e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2232e+00	1.2198e+00	5e+00	2e+00	2e-16	2e-01
2:	2.0087e+00	2.0073e+00	1e+00	4e-01	3e-15	4e-02
3:	2.0938e+00	2.0936e+00	2e-01	6e-02	6e-16	5e-03
4:	2.1365e+00	2.1364e+00	4e-02	1e-02	4e-16	1e-03
5:	2.1451e+00	2.1451e+00	1e-02	3e-03	1e-15	3e-04
6:	2.1465e+00	2.1465e+00	2e-04	6e-05	4e-15	5e-06
7:	2.1465e+00	2.1465e+00	2e-06	6e-07	1e-15	5e-08
8:	2.1465e+00	2.1465e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.5028e-01	8.4768e-01	4e+00	1e+00	2e-16	2e-01
2:	2.1492e+00	2.1473e+00	1e+00	3e-01	8e-16	4e-02
3:	2.2097e+00	2.2081e+00	4e-01	1e-01	2e-15	1e-02
4:	2.2772e+00	2.2766e+00	1e-01	3e-02	1e-15	3e-03
5:	2.2916e+00	2.2916e+00	1e-02	3e-03	3e-15	3e-04
6:	2.2931e+00	2.2931e+00	1e-04	3e-05	6e-16	3e-06
7:	2.2932e+00	2.2932e+00	1e-06	3e-07	8e-16	3e-08
8:	2.2932e+00	2.2932e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.9370e-01	5.9164e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5274e+00	1.5251e+00	1e+00	4e-01	1e-15	5e-02
3:	1.7340e+00	1.7326e+00	3e-01	9e-02	2e-15	9e-03
4:	1.7615e+00	1.7611e+00	4e-02	1e-02	3e-15	1e-03
5:	1.7656e+00	1.7656e+00	8e-04	2e-04	3e-15	2e-05
6:	1.7657e+00	1.7657e+00	8e-06	2e-06	2e-15	2e-07
7:	1.7657e+00	1.7657e+00	8e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5865e+00	1.5833e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7547e+00	2.7537e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9878e+00	2.9875e+00	2e-01	7e-02	2e-15	7e-03
4:	2.9891e+00	2.9888e+00	9e-02	3e-02	1e-14	3e-03
5:	2.9999e+00	2.9999e+00	1e-03	4e-04	2e-15	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-15	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	5.3238e-01	5.3096e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7746e+00	1.7723e+00	9e-01	3e-01	9e-16	3e-02
3:	1.8628e+00	1.8618e+00	2e-01	5e-02	1e-15	5e-03
4:	1.8756e+00	1.8753e+00	3e-02	1e-02	7e-15	1e-03
5:	1.8813e+00	1.8813e+00	5e-04	2e-04	8e-16	2e-05
6:	1.8814e+00	1.8814e+00	5e-06	2e-06	3e-15	2e-07
7:	1.8814e+00	1.8814e+00	5e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3133e-01	7.2837e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8581e+00	1.8562e+00	1e+00	3e-01	3e-15	3e-02
3:	2.0539e+00	2.0532e+00	3e-01	9e-02	1e-15	9e-03
4:	2.0647e+00	2.0645e+00	6e-02	2e-02	2e-15	2e-03
5:	2.0735e+00	2.0734e+00	7e-03	2e-03	1e-15	2e-04
6:	2.0739e+00	2.0739e+00	3e-04	1e-04	2e-14	9e-06



7:	2.0739e+00	2.0739e+00	3e-06	1e-06	3e-15	9e-08
8:	2.0739e+00	2.0739e+00	3e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.2759e-01	2.2673e-01	3e+00	9e-01	1e-16	1e-01
2:	8.4783e-01	8.4532e-01	1e+00	4e-01	4e-16	5e-02
3:	9.7465e-01	9.7266e-01	3e-01	9e-02	6e-16	1e-02
4:	1.0032e+00	1.0028e+00	6e-02	2e-02	6e-16	2e-03
5:	1.0065e+00	1.0065e+00	7e-03	2e-03	3e-15	2e-04
6:	1.0074e+00	1.0074e+00	1e-04	3e-05	4e-16	4e-06
7:	1.0074e+00	1.0074e+00	1e-06	3e-07	1e-15	4e-08
8:	1.0074e+00	1.0074e+00	1e-08	3e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.4788e-01	6.4515e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5742e+00	1.5720e+00	1e+00	5e-01	4e-16	5e-02
3:	1.7750e+00	1.7741e+00	5e-01	2e-01	5e-16	2e-02
4:	1.7991e+00	1.7984e+00	1e-01	3e-02	3e-15	3e-03
5:	1.8137e+00	1.8136e+00	2e-02	5e-03	1e-15	5e-04
6:	1.8153e+00	1.8153e+00	1e-03	4e-04	2e-15	3e-05
7:	1.8154e+00	1.8154e+00	1e-05	4e-06	5e-16	3e-07
8:	1.8154e+00	1.8154e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7858e-01	2.7748e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0609e+00	1.0584e+00	1e+00	3e-01	7e-16	4e-02
3:	1.1906e+00	1.1897e+00	2e-01	7e-02	6e-16	8e-03
4:	1.2076e+00	1.2074e+00	3e-02	1e-02	1e-15	1e-03
5:	1.2093e+00	1.2092e+00	4e-03	1e-03	1e-15	1e-04
6:	1.2098e+00	1.2098e+00	1e-04	5e-05	5e-16	5e-06
7:	1.2098e+00	1.2098e+00	1e-06	5e-07	6e-16	5e-08
8:	1.2098e+00	1.2098e+00	1e-08	5e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.2931e-01	5.2754e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6115e+00	1.6093e+00	9e-01	3e-01	1e-15	3e-02
3:	1.6830e+00	1.6820e+00	2e-01	7e-02	9e-16	8e-03
4:	1.7104e+00	1.7102e+00	2e-02	8e-03	2e-15	8e-04
5:	1.7152e+00	1.7152e+00	3e-04	8e-05	4e-16	8e-06
6:	1.7152e+00	1.7152e+00	3e-06	8e-07	7e-16	8e-08
7:	1.7152e+00	1.7152e+00	3e-08	8e-09	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	8.4660e-01	8.4431e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9550e+00	1.9527e+00	1e+00	4e-01	1e-15	5e-02
3:	2.1267e+00	2.1251e+00	3e-01	9e-02	2e-15	8e-03
4:	2.1725e+00	2.1721e+00	5e-02	2e-02	1e-15	2e-03
5:	2.1840e+00	2.1840e+00	3e-03	9e-04	4e-15	8e-05
6:	2.1846e+00	2.1846e+00	3e-05	9e-06	3e-15	9e-07
7:	2.1846e+00	2.1846e+00	3e-07	9e-08	4e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4491e+00	1.4458e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9252e+00	2.9234e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9773e+00	2.9766e+00	2e-01	6e-02	2e-15	5e-03
4:	2.9998e+00	2.9997e+00	2e-03	6e-04	6e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2339e-01	6.2002e-01	5e+00	2e+00	2e-16	2e-01
2:	1.2091e+00	1.2079e+00	9e-01	3e-01	2e-15	3e-02
3:	1.4157e+00	1.4151e+00	3e-01	1e-01	9e-16	1e-02
4:	1.4517e+00	1.4514e+00	8e-02	3e-02	1e-15	2e-03
5:	1.4658e+00	1.4657e+00	1e-02	4e-03	6e-16	4e-04
6:	1.4677e+00	1.4677e+00	2e-04	5e-05	6e-16	4e-06
7:	1.4677e+00	1.4677e+00	2e-06	5e-07	8e-16	4e-08
8:	1.4677e+00	1.4677e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2244e+00	1.2210e+00	5e+00	2e+00	3e-16	2e-01
2:	2.3951e+00	2.3935e+00	1e+00	4e-01	1e-15	4e-02
3:	2.5565e+00	2.5562e+00	2e-01	5e-02	8e-16	5e-03
4:	2.5925e+00	2.5925e+00	3e-02	8e-03	6e-16	8e-04
5:	2.5951e+00	2.5951e+00	1e-03	4e-04	2e-15	4e-05
6:	2.5953e+00	2.5953e+00	1e-05	4e-06	1e-15	4e-07
7:	2.5953e+00	2.5953e+00	1e-07	4e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.2360e-01	8.2137e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0538e+00	2.0516e+00	1e+00	4e-01	1e-15	4e-02
3:	2.1645e+00	2.1634e+00	2e-01	7e-02	3e-15	8e-03
4:	2.2020e+00	2.2018e+00	2e-02	6e-03	4e-15	6e-04
5:	2.2053e+00	2.2052e+00	2e-03	8e-04	8e-16	7e-05
6:	2.2056e+00	2.2056e+00	2e-05	8e-06	4e-16	7e-07
7:	2.2056e+00	2.2056e+00	2e-07	8e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.1519e-01	6.1275e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5010e+00	1.4987e+00	1e+00	5e-01	2e-15	5e-02
3:	1.7232e+00	1.7228e+00	2e-01	5e-02	8e-16	6e-03
4:	1.7419e+00	1.7419e+00	2e-02	8e-03	1e-15	8e-04
5:	1.7430e+00	1.7430e+00	1e-03	4e-04	2e-14	4e-05
6:	1.7431e+00	1.7431e+00	1e-05	4e-06	3e-15	4e-07
7:	1.7431e+00	1.7431e+00	1e-07	4e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.7476e-01	9.7153e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1645e+00	2.1627e+00	1e+00	4e-01	1e-15	4e-02
3:	2.4220e+00	2.4214e+00	3e-01	9e-02	7e-16	8e-03
4:	2.4559e+00	2.4557e+00	4e-02	1e-02	2e-15	1e-03
5:	2.4607e+00	2.4607e+00	5e-04	2e-04	2e-15	1e-05
6:	2.4608e+00	2.4608e+00	5e-06	2e-06	1e-15	1e-07
7:	2.4608e+00	2.4608e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1266e-01	3.1148e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0438e+00	1.0413e+00	1e+00	3e-01	6e-16	4e-02
3:	1.1649e+00	1.1634e+00	3e-01	1e-01	9e-16	1e-02
4:	1.1791e+00	1.1785e+00	6e-02	2e-02	2e-15	2e-03
5:	1.1861e+00	1.1861e+00	6e-03	2e-03	8e-16	2e-04
6:	1.1870e+00	1.1870e+00	3e-04	1e-04	2e-15	9e-06
7:	1.1871e+00	1.1871e+00	3e-06	1e-06	9e-16	9e-08
8:	1.1871e+00	1.1871e+00	3e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0972e+00	1.0942e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7191e+00	2.7174e+00	1e+00	3e-01	1e-15	3e-02
3:	2.8079e+00	2.8070e+00	3e-01	1e-01	2e-15	1e-02
4:	2.8183e+00	2.8181e+00	5e-02	1e-02	7e-15	1e-03
5:	2.8245e+00	2.8245e+00	9e-04	3e-04	9e-16	3e-05
6:	2.8246e+00	2.8246e+00	9e-06	3e-06	9e-16	3e-07
7:	2.8246e+00	2.8246e+00	9e-08	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1693e+00	1.1659e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4069e+00	2.4055e+00	1e+00	3e-01	2e-15	3e-02
3:	2.6126e+00	2.6117e+00	4e-01	1e-01	1e-15	1e-02
4:	2.6452e+00	2.6450e+00	6e-02	2e-02	5e-15	2e-03
5:	2.6544e+00	2.6543e+00	2e-02	6e-03	2e-15	5e-04

6:	2.6563e+00	2.6563e+00	4e-04	1e-04	2e-15	1e-05
7:	2.6564e+00	2.6564e+00	4e-06	1e-06	9e-16	1e-07
8:	2.6564e+00	2.6564e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.4534e-01	4.4429e-01	3e+00	1e+00	2e-16	1e-01
2:	1.5899e+00	1.5876e+00	7e-01	2e-01	1e-15	3e-02
3:	1.6305e+00	1.6285e+00	2e-01	6e-02	1e-15	5e-03
4:	1.6610e+00	1.6609e+00	1e-02	4e-03	9e-16	4e-04
5:	1.6625e+00	1.6625e+00	6e-04	2e-04	2e-14	2e-05
6:	1.6625e+00	1.6625e+00	6e-06	2e-06	9e-15	2e-07
7:	1.6625e+00	1.6625e+00	6e-08	2e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8566e-01	7.8270e-01	5e+00	2e+00	3e-16	2e-01
2:	2.0653e+00	2.0636e+00	1e+00	3e-01	1e-15	3e-02
3:	2.2426e+00	2.2415e+00	2e-01	7e-02	2e-15	7e-03
4:	2.2601e+00	2.2599e+00	3e-02	9e-03	2e-15	8e-04
5:	2.2650e+00	2.2649e+00	1e-03	3e-04	7e-16	3e-05
6:	2.2651e+00	2.2651e+00	1e-05	3e-06	1e-15	3e-07
7:	2.2651e+00	2.2651e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.5133e-01	7.4910e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9580e+00	1.9560e+00	1e+00	3e-01	1e-15	4e-02
3:	2.1122e+00	2.1115e+00	3e-01	8e-02	1e-15	9e-03
4:	2.1293e+00	2.1291e+00	4e-02	1e-02	3e-15	1e-03
5:	2.1360e+00	2.1360e+00	9e-04	3e-04	9e-16	3e-05
6:	2.1361e+00	2.1361e+00	9e-06	3e-06	1e-15	3e-07
7:	2.1361e+00	2.1361e+00	9e-08	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7543e+00	1.7510e+00	6e+00	2e+00	2e-16	2e-01
2:	3.1196e+00	3.1182e+00	7e-01	2e-01	4e-15	2e-02
3:	3.2049e+00	3.2045e+00	1e-01	4e-02	3e-15	3e-03
4:	3.2289e+00	3.2289e+00	2e-03	6e-04	8e-16	6e-05
5:	3.2293e+00	3.2293e+00	2e-05	6e-06	4e-16	6e-07
6:	3.2293e+00	3.2293e+00	2e-07	6e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.8045e-01	6.7811e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8695e+00	1.8673e+00	1e+00	4e-01	2e-15	4e-02
3:	2.0007e+00	1.9990e+00	4e-01	1e-01	9e-16	1e-02

4:	2.0752e+00	2.0746e+00	1e-01	4e-02	6e-16	4e-03
5:	2.0871e+00	2.0869e+00	1e-02	4e-03	2e-15	3e-04
6:	2.0888e+00	2.0888e+00	1e-04	4e-05	8e-16	3e-06
7:	2.0888e+00	2.0888e+00	1e-06	4e-07	1e-15	3e-08
8:	2.0888e+00	2.0888e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3837e+00	1.3804e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7905e+00	2.7884e+00	2e+00	6e-01	1e-15	6e-02
3:	2.9522e+00	2.9507e+00	4e-01	1e-01	2e-15	1e-02
4:	3.0250e+00	3.0246e+00	9e-02	3e-02	8e-16	3e-03
5:	3.0364e+00	3.0363e+00	1e-02	3e-03	9e-15	3e-04
6:	3.0375e+00	3.0375e+00	8e-04	2e-04	5e-15	2e-05
7:	3.0376e+00	3.0376e+00	1e-04	4e-05	1e-15	3e-06
8:	3.0376e+00	3.0376e+00	1e-06	4e-07	3e-15	3e-08
9:	3.0376e+00	3.0376e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.7498e-01	9.7208e-01	5e+00	1e+00	2e-16	2e-01
2:	2.5742e+00	2.5722e+00	1e+00	3e-01	1e-15	3e-02
3:	2.5613e+00	2.5580e+00	5e-01	2e-01	2e-15	2e-02
4:	2.6609e+00	2.6603e+00	9e-02	3e-02	9e-16	3e-03
5:	2.6744e+00	2.6741e+00	3e-02	9e-03	2e-15	8e-04
6:	2.6815e+00	2.6815e+00	5e-04	2e-04	1e-15	1e-05
7:	2.6816e+00	2.6816e+00	5e-06	2e-06	2e-15	1e-07
8:	2.6816e+00	2.6816e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	1.1118e+00	1.1096e+00	4e+00	1e+00	2e-16	2e-01
2:	2.6551e+00	2.6530e+00	1e+00	4e-01	9e-16	4e-02
3:	2.6532e+00	2.6486e+00	7e-01	2e-01	3e-15	2e-02
4:	2.7637e+00	2.7632e+00	7e-02	2e-02	1e-15	2e-03
5:	2.7757e+00	2.7756e+00	1e-02	4e-03	5e-16	3e-04
6:	2.7785e+00	2.7785e+00	2e-03	6e-04	5e-16	5e-05
7:	2.7787e+00	2.7787e+00	2e-04	6e-05	7e-15	5e-06
8:	2.7788e+00	2.7788e+00	2e-06	6e-07	1e-15	5e-08
9:	2.7788e+00	2.7788e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.8808e-01	6.8582e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9488e+00	1.9468e+00	9e-01	3e-01	1e-15	3e-02
3:	2.0507e+00	2.0478e+00	3e-01	1e-01	2e-15	9e-03
4:	2.0894e+00	2.0887e+00	7e-02	2e-02	1e-15	2e-03
5:	2.0981e+00	2.0979e+00	2e-02	6e-03	1e-15	5e-04

6:	2.1006e+00	2.1006e+00	5e-04	2e-04	2e-15	1e-05
7:	2.1007e+00	2.1007e+00	5e-06	2e-06	2e-15	1e-07
8:	2.1007e+00	2.1007e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0965e+00	1.0941e+00	4e+00	1e+00	2e-16	2e-01
2:	2.8653e+00	2.8632e+00	1e+00	3e-01	7e-16	4e-02
3:	2.9613e+00	2.9591e+00	4e-01	1e-01	4e-15	1e-02
4:	3.0361e+00	3.0359e+00	3e-02	9e-03	1e-15	9e-04
5:	3.0399e+00	3.0399e+00	3e-04	9e-05	2e-15	9e-06
6:	3.0399e+00	3.0399e+00	3e-06	9e-07	2e-15	9e-08
7:	3.0399e+00	3.0399e+00	3e-08	9e-09	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5342e+00	1.5309e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6467e+00	2.6449e+00	1e+00	4e-01	3e-15	4e-02
3:	2.8052e+00	2.8048e+00	2e-01	8e-02	1e-15	7e-03
4:	2.8604e+00	2.8602e+00	7e-02	2e-02	1e-15	2e-03
5:	2.8694e+00	2.8694e+00	6e-03	2e-03	6e-15	2e-04
6:	2.8704e+00	2.8704e+00	6e-05	2e-05	5e-16	2e-06
7:	2.8704e+00	2.8704e+00	6e-07	2e-07	8e-16	2e-08
8:	2.8704e+00	2.8704e+00	6e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5426e+00	1.5394e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0594e+00	3.0581e+00	1e+00	4e-01	2e-15	4e-02
3:	3.2363e+00	3.2356e+00	4e-01	1e-01	2e-15	1e-02
4:	3.3193e+00	3.3191e+00	8e-02	3e-02	1e-15	2e-03
5:	3.3338e+00	3.3338e+00	3e-03	1e-03	3e-15	8e-05
6:	3.3343e+00	3.3343e+00	3e-05	1e-05	1e-15	8e-07
7:	3.3343e+00	3.3343e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6063e-01	9.5812e-01	4e+00	1e+00	3e-16	2e-01
2:	2.2104e+00	2.2083e+00	1e+00	4e-01	5e-16	4e-02
3:	2.3814e+00	2.3794e+00	4e-01	1e-01	2e-15	1e-02
4:	2.4050e+00	2.4045e+00	6e-02	2e-02	3e-15	2e-03
5:	2.4141e+00	2.4139e+00	2e-02	6e-03	1e-15	5e-04
6:	2.4158e+00	2.4157e+00	3e-03	8e-04	5e-15	7e-05
7:	2.4161e+00	2.4161e+00	3e-05	9e-06	6e-16	8e-07
8:	2.4161e+00	2.4161e+00	3e-07	9e-08	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.9867e+00	1.9840e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8715e+00	3.8706e+00	1e+00	3e-01	1e-15	3e-02
3:	3.8862e+00	3.8854e+00	7e-01	2e-01	4e-15	2e-02
4:	3.9783e+00	3.9778e+00	2e-01	8e-02	4e-15	6e-03
5:	3.9989e+00	3.9989e+00	9e-03	3e-03	5e-15	2e-04
6:	4.0000e+00	4.0000e+00	9e-05	3e-05	2e-15	2e-06
7:	4.0000e+00	4.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	7.0420e-02	7.0088e-02	2e+00	7e-01	2e-16	9e-02
2:	4.6858e-01	4.6626e-01	5e-01	2e-01	5e-16	2e-02
3:	5.7776e-01	5.7712e-01	1e-01	4e-02	4e-16	5e-03
4:	5.8956e-01	5.8927e-01	2e-02	5e-03	1e-15	5e-04
5:	5.9171e-01	5.9169e-01	1e-03	4e-04	8e-15	3e-05
6:	5.9189e-01	5.9189e-01	2e-05	7e-06	2e-14	6e-07
7:	5.9189e-01	5.9189e-01	2e-07	7e-08	6e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.4271e-01	9.3979e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0501e+00	2.0481e+00	1e+00	4e-01	1e-15	4e-02
3:	2.2085e+00	2.2079e+00	2e-01	6e-02	4e-16	6e-03
4:	2.2289e+00	2.2289e+00	1e-02	5e-03	1e-15	4e-04
5:	2.2298e+00	2.2298e+00	1e-04	5e-05	1e-15	5e-06
6:	2.2298e+00	2.2298e+00	1e-06	5e-07	8e-16	5e-08
7:	2.2298e+00	2.2298e+00	1e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4404e+00	1.4373e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4662e+00	2.4644e+00	2e+00	6e-01	4e-15	5e-02
3:	2.9939e+00	2.9932e+00	6e-01	2e-01	2e-15	2e-02
4:	3.0442e+00	3.0437e+00	1e-01	4e-02	5e-15	4e-03
5:	3.0749e+00	3.0748e+00	9e-03	3e-03	6e-16	2e-04
6:	3.0765e+00	3.0765e+00	1e-04	3e-05	2e-15	2e-06
7:	3.0765e+00	3.0765e+00	1e-06	3e-07	2e-15	2e-08
8:	3.0765e+00	3.0765e+00	1e-08	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.9705e-01	8.9371e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7177e+00	1.7156e+00	1e+00	3e-01	4e-15	3e-02
3:	1.7654e+00	1.7650e+00	2e-01	5e-02	9e-16	4e-03
4:	1.7963e+00	1.7962e+00	4e-02	1e-02	7e-16	1e-03
5:	1.8039e+00	1.8039e+00	6e-03	2e-03	7e-16	2e-04
6:	1.8048e+00	1.8048e+00	2e-04	6e-05	4e-15	5e-06
7:	1.8048e+00	1.8048e+00	2e-06	6e-07	1e-15	5e-08

8: 1.8048e+00 1.8048e+00 2e-08 6e-09 2e-15 5e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2475e+00	1.2442e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4317e+00	2.4298e+00	2e+00	5e-01	1e-15	5e-02
3:	2.6360e+00	2.6351e+00	6e-01	2e-01	9e-16	2e-02
4:	2.7065e+00	2.7062e+00	1e-01	3e-02	2e-15	3e-03
5:	2.7230e+00	2.7229e+00	2e-02	8e-03	3e-15	7e-04
6:	2.7249e+00	2.7249e+00	4e-03	1e-03	2e-14	1e-04
7:	2.7256e+00	2.7256e+00	9e-05	3e-05	6e-15	2e-06
8:	2.7256e+00	2.7256e+00	9e-07	3e-07	1e-14	2e-08
9:	2.7256e+00	2.7256e+00	9e-09	3e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2421e+00	1.2389e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5086e+00	2.5061e+00	2e+00	5e-01	4e-15	5e-02
3:	2.7563e+00	2.7555e+00	3e-01	1e-01	3e-15	1e-02
4:	2.8143e+00	2.8141e+00	9e-02	3e-02	1e-15	3e-03
5:	2.8200e+00	2.8200e+00	4e-03	1e-03	3e-15	1e-04
6:	2.8205e+00	2.8205e+00	4e-05	1e-05	1e-15	1e-06
7:	2.8205e+00	2.8205e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5478e-01	7.5212e-01	5e+00	1e+00	2e-16	2e-01
2:	1.6914e+00	1.6894e+00	1e+00	3e-01	1e-15	4e-02
3:	1.8850e+00	1.8845e+00	1e-01	4e-02	9e-16	4e-03
4:	1.8805e+00	1.8800e+00	1e-01	3e-02	7e-15	3e-03
5:	1.8997e+00	1.8996e+00	1e-02	5e-03	1e-15	4e-04
6:	1.9019e+00	1.9019e+00	6e-04	2e-04	8e-15	1e-05
7:	1.9020e+00	1.9020e+00	6e-06	2e-06	2e-15	1e-07
8:	1.9020e+00	1.9020e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.3559e-01	5.3354e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4528e+00	1.4507e+00	8e-01	3e-01	2e-15	3e-02
3:	1.5416e+00	1.5410e+00	1e-01	5e-02	1e-15	5e-03
4:	1.5648e+00	1.5648e+00	4e-03	1e-03	2e-15	1e-04
5:	1.5653e+00	1.5653e+00	4e-05	1e-05	2e-15	1e-06
6:	1.5653e+00	1.5653e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.7910e-01	9.7587e-01	5e+00	2e+00	3e-16	2e-01
2:	2.1109e+00	2.1095e+00	1e+00	3e-01	1e-15	4e-02



3:	2.3654e+00	2.3649e+00	2e-01	8e-02	3e-15	8e-03
4:	2.3859e+00	2.3857e+00	4e-02	1e-02	1e-14	1e-03
5:	2.3932e+00	2.3932e+00	6e-04	2e-04	2e-15	2e-05
6:	2.3933e+00	2.3933e+00	6e-06	2e-06	2e-15	2e-07
7:	2.3933e+00	2.3933e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.8901e-01	4.8756e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6686e+00	1.6664e+00	9e-01	3e-01	6e-16	3e-02
3:	1.7589e+00	1.7576e+00	3e-01	8e-02	1e-15	9e-03
4:	1.7719e+00	1.7714e+00	6e-02	2e-02	3e-15	2e-03
5:	1.7793e+00	1.7793e+00	7e-04	2e-04	7e-16	2e-05
6:	1.7793e+00	1.7793e+00	7e-06	2e-06	7e-16	2e-07
7:	1.7793e+00	1.7793e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.0381e-01	8.0108e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7490e+00	1.7469e+00	1e+00	5e-01	3e-15	5e-02
3:	2.0432e+00	2.0427e+00	3e-01	8e-02	1e-15	9e-03
4:	2.0536e+00	2.0531e+00	1e-01	3e-02	8e-15	3e-03
5:	2.0697e+00	2.0696e+00	9e-03	3e-03	1e-15	3e-04
6:	2.0706e+00	2.0706e+00	7e-04	2e-04	8e-15	2e-05
7:	2.0707e+00	2.0707e+00	8e-06	2e-06	1e-15	2e-07
8:	2.0707e+00	2.0707e+00	8e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2207e-01	8.1954e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9824e+00	1.9803e+00	1e+00	4e-01	8e-16	4e-02
3:	2.1926e+00	2.1916e+00	3e-01	1e-01	9e-16	1e-02
4:	2.2172e+00	2.2166e+00	8e-02	2e-02	3e-15	2e-03
5:	2.2311e+00	2.2311e+00	3e-03	8e-04	5e-16	7e-05
6:	2.2316e+00	2.2316e+00	3e-05	8e-06	5e-16	7e-07
7:	2.2316e+00	2.2316e+00	3e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5361e+00	1.5330e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0095e+00	3.0075e+00	2e+00	5e-01	2e-15	5e-02
3:	3.1347e+00	3.1317e+00	7e-01	2e-01	2e-15	2e-02
4:	3.2781e+00	3.2775e+00	9e-02	3e-02	1e-15	3e-03
5:	3.2867e+00	3.2866e+00	2e-02	6e-03	3e-15	5e-04
6:	3.2902e+00	3.2902e+00	2e-04	6e-05	1e-15	5e-06
7:	3.2903e+00	3.2903e+00	2e-06	6e-07	1e-15	5e-08
8:	3.2903e+00	3.2903e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5451e-01	6.5151e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4224e+00	1.4209e+00	1e+00	3e-01	2e-15	3e-02
3:	1.6088e+00	1.6081e+00	3e-01	8e-02	8e-16	8e-03
4:	1.6475e+00	1.6473e+00	6e-02	2e-02	6e-16	2e-03
5:	1.6518e+00	1.6517e+00	1e-02	4e-03	2e-15	4e-04
6:	1.6551e+00	1.6551e+00	2e-04	5e-05	3e-16	5e-06
7:	1.6551e+00	1.6551e+00	2e-06	5e-07	5e-16	5e-08
8:	1.6551e+00	1.6551e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3856e-01	4.3594e-01	5e+00	1e+00	2e-16	2e-01
2:	1.1546e+00	1.1527e+00	9e-01	3e-01	4e-16	3e-02
3:	1.3169e+00	1.3161e+00	3e-01	1e-01	9e-16	1e-02
4:	1.3391e+00	1.3386e+00	6e-02	2e-02	5e-15	2e-03
5:	1.3500e+00	1.3499e+00	2e-03	7e-04	8e-16	6e-05
6:	1.3503e+00	1.3503e+00	2e-05	7e-06	9e-16	6e-07
7:	1.3503e+00	1.3503e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2781e+00	1.2751e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7014e+00	2.6998e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8172e+00	2.8157e+00	4e-01	1e-01	2e-15	1e-02
4:	2.8279e+00	2.8269e+00	1e-01	4e-02	4e-15	4e-03
5:	2.8483e+00	2.8482e+00	2e-02	6e-03	1e-15	5e-04
6:	2.8512e+00	2.8512e+00	3e-03	9e-04	8e-16	8e-05
7:	2.8515e+00	2.8515e+00	2e-04	5e-05	6e-15	4e-06
8:	2.8515e+00	2.8515e+00	2e-06	5e-07	2e-15	4e-08
9:	2.8515e+00	2.8515e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.3603e-01	8.3421e-01	4e+00	1e+00	2e-16	1e-01
2:	2.4277e+00	2.4257e+00	8e-01	3e-01	1e-15	3e-02
3:	2.5932e+00	2.5917e+00	1e-01	5e-02	3e-15	4e-03
4:	2.6180e+00	2.6178e+00	2e-02	5e-03	4e-15	4e-04
5:	2.6185e+00	2.6185e+00	4e-03	1e-03	5e-14	1e-04
6:	2.6190e+00	2.6190e+00	1e-03	4e-04	2e-14	4e-05
7:	2.6192e+00	2.6192e+00	2e-05	6e-06	1e-14	5e-07
8:	2.6192e+00	2.6192e+00	2e-07	6e-08	2e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.1741e-01	5.1571e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5669e+00	1.5646e+00	1e+00	3e-01	6e-16	4e-02

3:	1.6437e+00	1.6408e+00	4e-01	1e-01	1e-15	1e-02
4:	1.7063e+00	1.7058e+00	7e-02	2e-02	9e-16	2e-03
5:	1.7150e+00	1.7150e+00	4e-03	1e-03	2e-15	9e-05
6:	1.7155e+00	1.7155e+00	4e-05	1e-05	9e-16	9e-07
7:	1.7155e+00	1.7155e+00	4e-07	1e-07	5e-16	9e-09
8:	1.7155e+00	1.7155e+00	4e-09	1e-09	6e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6573e-01	4.6420e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4999e+00	1.4975e+00	1e+00	3e-01	1e-15	4e-02
3:	1.5868e+00	1.5852e+00	3e-01	9e-02	1e-15	1e-02
4:	1.6198e+00	1.6195e+00	5e-02	2e-02	7e-16	2e-03
5:	1.6283e+00	1.6283e+00	1e-03	3e-04	6e-16	3e-05
6:	1.6285e+00	1.6285e+00	1e-05	3e-06	6e-16	3e-07
7:	1.6285e+00	1.6285e+00	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2066e+00	1.2032e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3896e+00	2.3877e+00	1e+00	4e-01	3e-15	4e-02
3:	2.5646e+00	2.5641e+00	3e-01	8e-02	9e-16	8e-03
4:	2.5914e+00	2.5913e+00	5e-02	1e-02	7e-16	1e-03
5:	2.6001e+00	2.6001e+00	4e-03	1e-03	2e-15	1e-04
6:	2.6004e+00	2.6004e+00	5e-04	2e-04	6e-14	1e-05
7:	2.6005e+00	2.6005e+00	5e-06	2e-06	5e-15	1e-07
8:	2.6005e+00	2.6005e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2391e+00	1.2360e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5693e+00	2.5675e+00	1e+00	4e-01	2e-15	5e-02
3:	2.7527e+00	2.7518e+00	4e-01	1e-01	2e-15	1e-02
4:	2.7880e+00	2.7878e+00	5e-02	2e-02	2e-15	1e-03
5:	2.7966e+00	2.7966e+00	1e-03	5e-04	1e-15	4e-05
6:	2.7968e+00	2.7968e+00	1e-05	5e-06	1e-15	4e-07
7:	2.7968e+00	2.7968e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1293e+00	1.1260e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2520e+00	2.2505e+00	1e+00	4e-01	1e-15	4e-02
3:	2.5291e+00	2.5282e+00	2e-01	7e-02	1e-15	6e-03
4:	2.5319e+00	2.5311e+00	1e-01	4e-02	8e-15	4e-03
5:	2.5565e+00	2.5565e+00	6e-03	2e-03	2e-15	1e-04
6:	2.5573e+00	2.5573e+00	6e-05	2e-05	2e-15	2e-06
7:	2.5573e+00	2.5573e+00	6e-07	2e-07	3e-15	2e-08
8:	2.5573e+00	2.5573e+00	6e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4507e+00	1.4474e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1057e+00	3.1042e+00	1e+00	3e-01	2e-15	3e-02
3:	3.2812e+00	3.2801e+00	2e-01	7e-02	4e-15	6e-03
4:	3.3044e+00	3.3042e+00	4e-02	1e-02	2e-15	1e-03
5:	3.3102e+00	3.3102e+00	6e-04	2e-04	1e-15	2e-05
6:	3.3102e+00	3.3102e+00	6e-06	2e-06	2e-15	2e-07
7:	3.3103e+00	3.3103e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1950e-01	9.1699e-01	4e+00	1e+00	2e-16	2e-01
2:	2.3748e+00	2.3729e+00	9e-01	3e-01	9e-16	3e-02
3:	2.4396e+00	2.4387e+00	2e-01	6e-02	1e-15	6e-03
4:	2.4564e+00	2.4562e+00	3e-02	1e-02	5e-15	1e-03
5:	2.4617e+00	2.4617e+00	2e-03	5e-04	2e-15	5e-05
6:	2.4619e+00	2.4619e+00	2e-05	5e-06	1e-15	5e-07
7:	2.4619e+00	2.4619e+00	2e-07	5e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1714e+00	1.1682e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2772e+00	2.2757e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6535e+00	2.6529e+00	3e-01	1e-01	1e-15	1e-02
4:	2.6775e+00	2.6769e+00	1e-01	4e-02	8e-15	3e-03
5:	2.7001e+00	2.7001e+00	1e-02	4e-03	3e-15	3e-04
6:	2.7017e+00	2.7017e+00	1e-04	4e-05	1e-14	4e-06
7:	2.7017e+00	2.7017e+00	1e-06	4e-07	8e-15	4e-08
8:	2.7017e+00	2.7017e+00	1e-08	4e-09	6e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1375e+00	2.1352e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6356e+00	3.6348e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9673e+00	3.9671e+00	3e-01	1e-01	1e-15	8e-03
4:	3.9910e+00	3.9909e+00	6e-02	2e-02	9e-15	1e-03
5:	3.9999e+00	3.9999e+00	6e-04	2e-04	1e-15	2e-05
6:	4.0000e+00	4.0000e+00	6e-06	2e-06	2e-15	2e-07
7:	4.0000e+00	4.0000e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2449e+00	1.2419e+00	6e+00	2e+00	2e-16	2e-01
2:	2.2503e+00	2.2491e+00	1e+00	4e-01	4e-15	4e-02
3:	2.4247e+00	2.4240e+00	3e-01	9e-02	2e-15	8e-03
4:	2.4636e+00	2.4634e+00	8e-02	3e-02	6e-16	2e-03

5:	2.4714e+00	2.4714e+00	9e-03	3e-03	1e-15	2e-04
6:	2.4736e+00	2.4736e+00	9e-04	3e-04	7e-16	2e-05
7:	2.4737e+00	2.4737e+00	1e-04	4e-05	2e-14	3e-06
8:	2.4737e+00	2.4737e+00	1e-06	4e-07	2e-15	3e-08
9:	2.4737e+00	2.4737e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.5262e-01	8.4944e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9376e+00	1.9361e+00	1e+00	3e-01	1e-15	3e-02
3:	2.1166e+00	2.1158e+00	4e-01	1e-01	9e-16	1e-02
4:	2.1488e+00	2.1483e+00	8e-02	3e-02	2e-15	2e-03
5:	2.1626e+00	2.1625e+00	2e-02	5e-03	8e-16	4e-04
6:	2.1649e+00	2.1649e+00	2e-04	7e-05	1e-15	6e-06
7:	2.1649e+00	2.1649e+00	2e-06	7e-07	1e-15	6e-08
8:	2.1649e+00	2.1649e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	6.0593e-01	6.0465e-01	3e+00	1e+00	2e-16	1e-01
2:	1.8594e+00	1.8570e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9296e+00	1.9248e+00	4e-01	1e-01	3e-15	1e-02
4:	2.0249e+00	2.0242e+00	6e-02	2e-02	5e-16	2e-03
5:	2.0302e+00	2.0299e+00	3e-02	9e-03	8e-15	8e-04
6:	2.0347e+00	2.0346e+00	4e-03	1e-03	1e-15	1e-04
7:	2.0352e+00	2.0352e+00	5e-05	1e-05	1e-14	1e-06
8:	2.0352e+00	2.0352e+00	5e-07	1e-07	9e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.0027e-01	6.9735e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8437e+00	1.8419e+00	9e-01	3e-01	2e-15	3e-02
3:	1.9779e+00	1.9773e+00	1e-01	4e-02	1e-15	4e-03
4:	1.9921e+00	1.9921e+00	3e-03	9e-04	1e-15	9e-05
5:	1.9924e+00	1.9924e+00	3e-05	9e-06	8e-16	9e-07
6:	1.9924e+00	1.9924e+00	3e-07	9e-08	7e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.9325e-01	5.9151e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6997e+00	1.6974e+00	1e+00	4e-01	6e-16	4e-02
3:	1.8354e+00	1.8338e+00	3e-01	8e-02	3e-15	9e-03
4:	1.8618e+00	1.8615e+00	3e-02	1e-02	8e-16	1e-03
5:	1.8668e+00	1.8668e+00	5e-03	1e-03	9e-16	1e-04
6:	1.8673e+00	1.8673e+00	5e-05	1e-05	8e-16	1e-06
7:	1.8673e+00	1.8673e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0327e+00	1.0296e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4934e+00	2.4913e+00	1e+00	4e-01	5e-16	4e-02
3:	2.6670e+00	2.6655e+00	3e-01	1e-01	9e-16	9e-03
4:	2.7265e+00	2.7264e+00	1e-02	5e-03	1e-15	4e-04
5:	2.7292e+00	2.7292e+00	5e-04	2e-04	2e-15	1e-05
6:	2.7292e+00	2.7292e+00	6e-05	2e-05	6e-13	2e-06
7:	2.7292e+00	2.7292e+00	7e-07	2e-07	6e-14	2e-08
8:	2.7292e+00	2.7292e+00	7e-09	2e-09	1e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0537e+00	1.0507e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3700e+00	2.3679e+00	2e+00	5e-01	6e-16	5e-02
3:	2.6550e+00	2.6540e+00	3e-01	8e-02	1e-15	8e-03
4:	2.6883e+00	2.6881e+00	3e-02	1e-02	3e-15	9e-04
5:	2.6914e+00	2.6914e+00	2e-03	6e-04	1e-14	6e-05
6:	2.6917e+00	2.6917e+00	2e-05	7e-06	2e-15	6e-07
7:	2.6917e+00	2.6917e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.2180e-01	9.1910e-01	5e+00	1e+00	2e-16	2e-01
2:	2.2124e+00	2.2103e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4307e+00	2.4300e+00	3e-01	1e-01	2e-15	1e-02
4:	2.4585e+00	2.4583e+00	3e-02	9e-03	2e-15	9e-04
5:	2.4616e+00	2.4616e+00	3e-04	9e-05	1e-15	9e-06
6:	2.4617e+00	2.4617e+00	3e-06	9e-07	2e-15	9e-08
7:	2.4617e+00	2.4617e+00	3e-08	9e-09	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6873e-01	7.6609e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8052e+00	1.8027e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9363e+00	1.9348e+00	3e-01	1e-01	1e-15	1e-02
4:	2.0092e+00	2.0088e+00	8e-02	2e-02	6e-16	2e-03
5:	2.0158e+00	2.0156e+00	2e-02	6e-03	5e-15	5e-04
6:	2.0187e+00	2.0187e+00	2e-04	6e-05	2e-15	5e-06
7:	2.0187e+00	2.0187e+00	2e-06	6e-07	1e-15	5e-08
8:	2.0187e+00	2.0187e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6309e+00	1.6281e+00	6e+00	2e+00	3e-16	2e-01
2:	3.1146e+00	3.1135e+00	1e+00	4e-01	2e-15	4e-02
3:	3.3371e+00	3.3366e+00	5e-01	1e-01	2e-15	1e-02
4:	3.3752e+00	3.3751e+00	6e-02	2e-02	5e-15	2e-03
5:	3.3849e+00	3.3849e+00	9e-03	3e-03	2e-15	2e-04

6:	3.3860e+00	3.3860e+00	9e-05	3e-05	2e-15	2e-06
7:	3.3860e+00	3.3860e+00	9e-07	3e-07	2e-15	2e-08
8:	3.3860e+00	3.3860e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6768e-01	7.6480e-01	5e+00	1e+00	2e-16	2e-01
2:	2.2018e+00	2.1997e+00	1e+00	3e-01	6e-16	4e-02
3:	2.2772e+00	2.2761e+00	2e-01	7e-02	8e-16	7e-03
4:	2.3090e+00	2.3088e+00	2e-02	5e-03	2e-15	5e-04
5:	2.3120e+00	2.3120e+00	2e-04	6e-05	5e-16	5e-06
6:	2.3120e+00	2.3120e+00	2e-06	6e-07	8e-16	5e-08
7:	2.3120e+00	2.3120e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4479e+00	1.4463e+00	6e+00	2e+00	2e-16	1e-01
2:	2.5496e+00	2.5490e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9021e+00	2.9018e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9427e+00	2.9426e+00	6e-02	2e-02	3e-15	1e-03
5:	2.9520e+00	2.9520e+00	4e-03	1e-03	8e-16	1e-04
6:	2.9527e+00	2.9527e+00	4e-05	1e-05	2e-15	1e-06
7:	2.9527e+00	2.9527e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6299e+00	2.6275e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9896e+00	3.9885e+00	2e+00	5e-01	1e-15	5e-02
3:	4.2112e+00	4.2109e+00	5e-01	2e-01	3e-15	1e-02
4:	4.2354e+00	4.2352e+00	8e-02	3e-02	7e-15	2e-03
5:	4.2467e+00	4.2467e+00	1e-02	3e-03	2e-15	3e-04
6:	4.2488e+00	4.2488e+00	3e-03	8e-04	4e-16	7e-05
7:	4.2492e+00	4.2492e+00	3e-05	1e-05	2e-15	8e-07
8:	4.2492e+00	4.2492e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5743e+00	1.5710e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8522e+00	2.8504e+00	2e+00	5e-01	6e-15	5e-02
3:	3.1635e+00	3.1626e+00	3e-01	9e-02	1e-15	8e-03
4:	3.2116e+00	3.2114e+00	6e-02	2e-02	3e-15	2e-03
5:	3.2192e+00	3.2192e+00	2e-03	6e-04	3e-15	5e-05
6:	3.2195e+00	3.2195e+00	2e-05	6e-06	2e-15	5e-07
7:	3.2195e+00	3.2195e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2582e-01	8.2274e-01	5e+00	2e+00	2e-16	2e-01

2:	1.8509e+00	1.8494e+00	9e-01	3e-01	2e-15	3e-02
3:	2.0481e+00	2.0475e+00	2e-01	7e-02	9e-16	6e-03
4:	2.0811e+00	2.0809e+00	5e-02	2e-02	1e-15	2e-03
5:	2.0824e+00	2.0823e+00	2e-02	5e-03	1e-14	4e-04
6:	2.0852e+00	2.0852e+00	2e-04	6e-05	7e-16	5e-06
7:	2.0852e+00	2.0852e+00	2e-06	6e-07	7e-16	5e-08
8:	2.0852e+00	2.0852e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0684e+00	1.0651e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8925e+00	1.8906e+00	1e+00	4e-01	5e-16	4e-02
3:	2.2241e+00	2.2236e+00	4e-01	1e-01	7e-16	1e-02
4:	2.2600e+00	2.2598e+00	9e-02	3e-02	2e-15	2e-03
5:	2.2764e+00	2.2764e+00	6e-03	2e-03	9e-16	2e-04
6:	2.2772e+00	2.2772e+00	6e-05	2e-05	9e-16	2e-06
7:	2.2772e+00	2.2772e+00	6e-07	2e-07	7e-16	2e-08
8:	2.2772e+00	2.2772e+00	6e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5728e+00	1.5695e+00	5e+00	2e+00	3e-16	2e-01
2:	3.2883e+00	3.2865e+00	1e+00	4e-01	2e-15	4e-02
3:	3.5141e+00	3.5133e+00	3e-01	9e-02	2e-15	8e-03
4:	3.5830e+00	3.5827e+00	8e-02	3e-02	1e-15	2e-03
5:	3.5923e+00	3.5922e+00	1e-02	3e-03	8e-15	3e-04
6:	3.5942e+00	3.5941e+00	1e-04	4e-05	3e-15	3e-06
7:	3.5942e+00	3.5942e+00	1e-06	4e-07	4e-15	3e-08
8:	3.5942e+00	3.5942e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2695e+00	1.2662e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7836e+00	2.7820e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9483e+00	2.9472e+00	3e-01	1e-01	2e-15	9e-03
4:	3.0044e+00	3.0041e+00	6e-02	2e-02	5e-15	2e-03
5:	3.0124e+00	3.0124e+00	3e-03	9e-04	7e-15	7e-05
6:	3.0130e+00	3.0130e+00	3e-05	9e-06	9e-16	8e-07
7:	3.0130e+00	3.0130e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.9589e-01	6.9311e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8873e+00	1.8855e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9695e+00	1.9685e+00	2e-01	7e-02	2e-15	7e-03
4:	2.0107e+00	2.0106e+00	2e-02	5e-03	1e-15	5e-04
5:	2.0133e+00	2.0133e+00	3e-04	1e-04	5e-15	1e-05
6:	2.0134e+00	2.0134e+00	3e-06	1e-06	1e-15	1e-07



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7:  2.0134e+00  2.0134e+00  3e-08  1e-08  2e-15  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.5099e+00  1.5070e+00  6e+00  2e+00  2e-16  2e-01
2:  2.7301e+00  2.7288e+00  2e+00  5e-01  1e-15  4e-02
3:  2.9632e+00  2.9622e+00  6e-01  2e-01  1e-15  2e-02
4:  3.0414e+00  3.0412e+00  8e-02  3e-02  1e-15  2e-03
5:  3.0502e+00  3.0502e+00  4e-03  1e-03  2e-15  1e-04
6:  3.0508e+00  3.0508e+00  2e-03  5e-04  9e-16  4e-05
7:  3.0510e+00  3.0510e+00  2e-05  8e-06  9e-16  6e-07
8:  3.0510e+00  3.0510e+00  2e-07  8e-08  1e-15  6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  8e+00  1e-16  1e+00
1:  6.2443e-01  6.2224e-01  4e+00  1e+00  2e-16  2e-01
2:  1.5757e+00  1.5735e+00  1e+00  4e-01  1e-15  4e-02
3:  1.6958e+00  1.6953e+00  2e-01  7e-02  1e-15  8e-03
4:  1.7207e+00  1.7205e+00  5e-02  1e-02  7e-16  2e-03
5:  1.7284e+00  1.7284e+00  4e-03  1e-03  3e-15  1e-04
6:  1.7288e+00  1.7288e+00  4e-05  1e-05  2e-15  1e-06
7:  1.7288e+00  1.7288e+00  4e-07  1e-07  2e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  9e+00  1e-16  1e+00
1:  1.1825e+00  1.1793e+00  5e+00  2e+00  2e-16  2e-01
2:  2.4103e+00  2.4085e+00  1e+00  4e-01  2e-15  4e-02
3:  2.5616e+00  2.5608e+00  3e-01  9e-02  2e-15  9e-03
4:  2.6032e+00  2.6029e+00  8e-02  3e-02  1e-15  3e-03
5:  2.6075e+00  2.6074e+00  2e-02  5e-03  7e-15  5e-04
6:  2.6108e+00  2.6108e+00  2e-03  7e-04  2e-15  7e-05
7:  2.6109e+00  2.6109e+00  6e-04  2e-04  2e-14  2e-05
8:  2.6110e+00  2.6110e+00  8e-06  3e-06  1e-15  2e-07
9:  2.6110e+00  2.6110e+00  8e-08  3e-08  7e-15  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.6331e+00  1.6297e+00  5e+00  2e+00  2e-16  2e-01
2:  3.2348e+00  3.2332e+00  1e+00  4e-01  5e-16  4e-02
3:  3.2646e+00  3.2639e+00  2e-01  7e-02  2e-15  6e-03
4:  3.3051e+00  3.3049e+00  5e-02  2e-02  8e-16  2e-03
5:  3.3128e+00  3.3128e+00  1e-03  5e-04  6e-16  4e-05
6:  3.3130e+00  3.3130e+00  1e-05  5e-06  4e-16  4e-07
7:  3.3130e+00  3.3130e+00  1e-07  5e-08  7e-16  4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.4977e+00  1.4944e+00  5e+00  2e+00  3e-16  2e-01

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2:	2.8566e+00	2.8551e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9598e+00	2.9590e+00	2e-01	7e-02	2e-15	6e-03
4:	3.0058e+00	3.0057e+00	2e-02	8e-03	2e-15	7e-04
5:	3.0093e+00	3.0093e+00	3e-04	8e-05	9e-16	7e-06
6:	3.0094e+00	3.0094e+00	3e-06	8e-07	2e-15	7e-08
7:	3.0094e+00	3.0094e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8298e+00	1.8287e+00	6e+00	2e+00	2e-16	1e-01
2:	3.0677e+00	3.0671e+00	2e+00	6e-01	1e-15	5e-02
3:	3.4094e+00	3.4091e+00	5e-01	2e-01	1e-15	1e-02
4:	3.5396e+00	3.5396e+00	9e-02	3e-02	6e-16	2e-03
5:	3.5425e+00	3.5425e+00	6e-02	2e-02	1e-14	1e-03
6:	3.5541e+00	3.5541e+00	1e-03	4e-04	3e-15	3e-05
7:	3.5543e+00	3.5543e+00	1e-05	4e-06	1e-14	3e-07
8:	3.5543e+00	3.5543e+00	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.4437e-01	2.4340e-01	3e+00	1e+00	2e-16	1e-01
2:	9.1587e-01	9.1341e-01	8e-01	3e-01	8e-16	3e-02
3:	1.0544e+00	1.0533e+00	3e-01	8e-02	4e-16	1e-02
4:	1.0843e+00	1.0840e+00	5e-02	1e-02	8e-16	2e-03
5:	1.0868e+00	1.0867e+00	3e-03	1e-03	6e-15	1e-04
6:	1.0870e+00	1.0870e+00	4e-05	1e-05	6e-15	1e-06
7:	1.0870e+00	1.0870e+00	4e-07	1e-07	9e-15	1e-08
8:	1.0870e+00	1.0870e+00	4e-09	1e-09	9e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6687e+00	1.6653e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0334e+00	3.0323e+00	1e+00	3e-01	2e-15	3e-02
3:	3.1278e+00	3.1273e+00	2e-01	5e-02	3e-15	5e-03
4:	3.1762e+00	3.1761e+00	1e-02	4e-03	8e-16	4e-04
5:	3.1795e+00	3.1795e+00	1e-04	4e-05	2e-15	4e-06
6:	3.1795e+00	3.1795e+00	1e-06	4e-07	1e-15	4e-08
7:	3.1795e+00	3.1795e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0516e+00	1.0484e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2859e+00	2.2840e+00	1e+00	5e-01	2e-15	5e-02
3:	2.3428e+00	2.3397e+00	5e-01	2e-01	3e-15	1e-02
4:	2.4350e+00	2.4346e+00	8e-02	2e-02	8e-16	2e-03
5:	2.4474e+00	2.4473e+00	4e-03	1e-03	1e-15	1e-04
6:	2.4480e+00	2.4480e+00	4e-05	1e-05	1e-15	1e-06
7:	2.4480e+00	2.4480e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.0629e-01	7.0389e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8813e+00	1.8792e+00	1e+00	4e-01	8e-16	5e-02
3:	2.0532e+00	2.0520e+00	3e-01	9e-02	8e-16	9e-03
4:	2.0585e+00	2.0575e+00	1e-01	4e-02	4e-15	3e-03
5:	2.0754e+00	2.0752e+00	2e-02	7e-03	2e-15	6e-04
6:	2.0776e+00	2.0776e+00	4e-03	1e-03	1e-15	1e-04
7:	2.0782e+00	2.0782e+00	1e-03	4e-04	3e-15	3e-05
8:	2.0783e+00	2.0783e+00	2e-04	6e-05	1e-14	5e-06
9:	2.0783e+00	2.0783e+00	2e-06	6e-07	3e-15	5e-08
10:	2.0783e+00	2.0783e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1255e+00	2.1238e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5716e+00	3.5708e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9035e+00	3.9033e+00	3e-01	8e-02	1e-15	7e-03
4:	3.9435e+00	3.9435e+00	6e-02	2e-02	1e-14	1e-03
5:	3.9569e+00	3.9569e+00	3e-03	8e-04	3e-15	7e-05
6:	3.9572e+00	3.9572e+00	3e-05	9e-06	2e-14	7e-07
7:	3.9572e+00	3.9572e+00	3e-07	9e-08	2e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0014e+00	9.9801e-01	5e+00	2e+00	2e-16	2e-01
2:	2.3719e+00	2.3698e+00	2e+00	5e-01	6e-16	5e-02
3:	2.5540e+00	2.5527e+00	5e-01	2e-01	9e-16	1e-02
4:	2.6738e+00	2.6733e+00	2e-01	5e-02	5e-16	5e-03
5:	2.6888e+00	2.6885e+00	4e-02	1e-02	3e-15	1e-03
6:	2.6973e+00	2.6973e+00	6e-04	2e-04	9e-16	1e-05
7:	2.6974e+00	2.6974e+00	6e-06	2e-06	2e-15	1e-07
8:	2.6974e+00	2.6974e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.9317e-01	6.9085e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7636e+00	1.7612e+00	1e+00	4e-01	8e-16	5e-02
3:	1.9334e+00	1.9328e+00	3e-01	1e-01	1e-15	1e-02
4:	1.9591e+00	1.9590e+00	2e-02	5e-03	1e-15	5e-04
5:	1.9618e+00	1.9618e+00	2e-04	6e-05	5e-16	6e-06
6:	1.9618e+00	1.9618e+00	2e-06	6e-07	6e-16	6e-08
7:	1.9618e+00	1.9618e+00	2e-08	6e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.3262e-01	6.2969e-01	5e+00	2e+00	2e-16	2e-01

2:	1.8172e+00	1.8152e+00	1e+00	4e-01	7e-16	4e-02
3:	1.9078e+00	1.9041e+00	5e-01	2e-01	8e-16	1e-02
4:	1.9962e+00	1.9958e+00	5e-02	2e-02	5e-16	1e-03
5:	2.0029e+00	2.0029e+00	2e-03	5e-04	1e-15	4e-05
6:	2.0032e+00	2.0032e+00	2e-05	5e-06	1e-15	4e-07
7:	2.0032e+00	2.0032e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.4219e-01	7.3997e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8663e+00	1.8637e+00	2e+00	5e-01	6e-16	6e-02
3:	2.0221e+00	2.0205e+00	5e-01	1e-01	2e-15	2e-02
4:	2.1085e+00	2.1080e+00	1e-01	4e-02	1e-15	5e-03
5:	2.1264e+00	2.1263e+00	3e-02	9e-03	2e-15	9e-04
6:	2.1309e+00	2.1309e+00	1e-03	4e-04	7e-15	3e-05
7:	2.1311e+00	2.1311e+00	1e-05	4e-06	1e-15	3e-07
8:	2.1311e+00	2.1311e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8046e-01	8.7788e-01	5e+00	1e+00	2e-16	2e-01
2:	2.2062e+00	2.2044e+00	1e+00	3e-01	2e-15	4e-02
3:	2.4057e+00	2.4050e+00	2e-01	7e-02	2e-15	7e-03
4:	2.4321e+00	2.4320e+00	2e-02	7e-03	1e-15	7e-04
5:	2.4337e+00	2.4337e+00	2e-04	7e-05	1e-15	7e-06
6:	2.4337e+00	2.4337e+00	2e-06	7e-07	2e-15	7e-08
7:	2.4337e+00	2.4337e+00	2e-08	7e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7755e+00	2.7723e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2891e+00	4.2873e+00	2e+00	6e-01	3e-15	5e-02
3:	4.4454e+00	4.4442e+00	5e-01	2e-01	7e-15	1e-02
4:	4.5752e+00	4.5750e+00	9e-02	3e-02	2e-15	2e-03
5:	4.5880e+00	4.5879e+00	1e-02	4e-03	7e-15	4e-04
6:	4.5904e+00	4.5904e+00	1e-04	5e-05	7e-16	4e-06
7:	4.5905e+00	4.5905e+00	1e-06	5e-07	5e-16	4e-08
8:	4.5905e+00	4.5905e+00	1e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7093e+00	1.7073e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6846e+00	2.6836e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9966e+00	2.9964e+00	2e-01	7e-02	1e-15	6e-03
4:	3.0289e+00	3.0287e+00	8e-02	3e-02	2e-15	2e-03
5:	3.0436e+00	3.0436e+00	2e-03	6e-04	1e-15	5e-05
6:	3.0440e+00	3.0440e+00	2e-05	6e-06	4e-16	5e-07
7:	3.0440e+00	3.0440e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.3653e-01	4.3470e-01	4e+00	1e+00	3e-16	1e-01
2:	1.2483e+00	1.2461e+00	1e+00	3e-01	8e-16	4e-02
3:	1.3379e+00	1.3373e+00	2e-01	6e-02	8e-16	7e-03
4:	1.3484e+00	1.3482e+00	2e-02	7e-03	7e-16	7e-04
5:	1.3525e+00	1.3525e+00	6e-03	2e-03	4e-16	2e-04
6:	1.3530e+00	1.3530e+00	1e-04	3e-05	2e-15	3e-06
7:	1.3531e+00	1.3531e+00	1e-06	3e-07	6e-16	3e-08
8:	1.3531e+00	1.3531e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0995e+00	1.0964e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4837e+00	2.4819e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6611e+00	2.6593e+00	3e-01	1e-01	3e-15	1e-02
4:	2.7260e+00	2.7259e+00	1e-02	3e-03	5e-16	3e-04
5:	2.7277e+00	2.7277e+00	1e-04	3e-05	6e-16	3e-06
6:	2.7277e+00	2.7277e+00	1e-06	3e-07	8e-16	3e-08
7:	2.7277e+00	2.7277e+00	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2458e+00	1.2425e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3164e+00	2.3140e+00	2e+00	5e-01	3e-15	5e-02
3:	2.5183e+00	2.5175e+00	3e-01	1e-01	1e-15	1e-02
4:	2.5547e+00	2.5544e+00	8e-02	2e-02	1e-15	2e-03
5:	2.5649e+00	2.5648e+00	8e-03	2e-03	2e-15	2e-04
6:	2.5664e+00	2.5664e+00	8e-05	3e-05	7e-16	2e-06
7:	2.5664e+00	2.5664e+00	8e-07	3e-07	6e-16	2e-08
8:	2.5664e+00	2.5664e+00	8e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3878e+00	1.3844e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9494e+00	2.9479e+00	1e+00	3e-01	2e-15	3e-02
3:	3.0809e+00	3.0801e+00	3e-01	1e-01	3e-15	1e-02
4:	3.1515e+00	3.1513e+00	6e-02	2e-02	1e-15	2e-03
5:	3.1603e+00	3.1603e+00	4e-03	1e-03	7e-15	1e-04
6:	3.1610e+00	3.1610e+00	4e-05	1e-05	2e-15	1e-06
7:	3.1610e+00	3.1610e+00	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.9016e-01	4.8839e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5020e+00	1.4996e+00	1e+00	4e-01	4e-16	5e-02
3:	1.6293e+00	1.6280e+00	3e-01	9e-02	8e-16	9e-03

4:	1.6526e+00	1.6521e+00	5e-02	1e-02	1e-15	1e-03
5:	1.6600e+00	1.6600e+00	4e-03	1e-03	7e-16	1e-04
6:	1.6605e+00	1.6605e+00	4e-05	1e-05	1e-15	1e-06
7:	1.6605e+00	1.6605e+00	4e-07	1e-07	1e-15	1e-08
8:	1.6605e+00	1.6605e+00	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	2.8340e-01	2.8182e-01	4e+00	1e+00	2e-16	1e-01
2:	9.1332e-01	9.1076e-01	1e+00	4e-01	3e-16	5e-02
3:	1.0904e+00	1.0896e+00	3e-01	8e-02	8e-16	9e-03
4:	1.1328e+00	1.1324e+00	7e-02	2e-02	9e-16	2e-03
5:	1.1440e+00	1.1439e+00	2e-02	6e-03	3e-15	6e-04
6:	1.1454e+00	1.1454e+00	1e-03	4e-04	7e-15	4e-05
7:	1.1456e+00	1.1456e+00	1e-05	5e-06	2e-15	4e-07
8:	1.1456e+00	1.1456e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7289e-01	6.6964e-01	5e+00	2e+00	2e-16	2e-01
2:	1.5024e+00	1.5008e+00	1e+00	3e-01	7e-16	3e-02
3:	1.7126e+00	1.7122e+00	2e-01	5e-02	6e-16	5e-03
4:	1.7472e+00	1.7471e+00	2e-02	7e-03	2e-15	6e-04
5:	1.7490e+00	1.7489e+00	6e-03	2e-03	2e-14	2e-04
6:	1.7503e+00	1.7503e+00	1e-04	3e-05	2e-15	3e-06
7:	1.7504e+00	1.7504e+00	1e-06	3e-07	2e-15	3e-08
8:	1.7504e+00	1.7504e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9330e+00	1.9299e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4855e+00	3.4844e+00	1e+00	3e-01	4e-15	3e-02
3:	3.7392e+00	3.7387e+00	4e-01	1e-01	2e-15	1e-02
4:	3.7684e+00	3.7681e+00	8e-02	3e-02	7e-15	2e-03
5:	3.7845e+00	3.7845e+00	9e-04	3e-04	5e-16	2e-05
6:	3.7847e+00	3.7847e+00	9e-06	3e-06	8e-16	2e-07
7:	3.7847e+00	3.7847e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3289e+00	1.3255e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5751e+00	2.5734e+00	2e+00	5e-01	2e-15	5e-02
3:	2.8996e+00	2.8990e+00	3e-01	1e-01	1e-15	9e-03
4:	2.9467e+00	2.9466e+00	4e-02	1e-02	2e-15	1e-03
5:	2.9506e+00	2.9506e+00	4e-04	1e-04	4e-15	1e-05
6:	2.9507e+00	2.9507e+00	4e-06	1e-06	3e-15	1e-07
7:	2.9507e+00	2.9507e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2161e+00	1.2129e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4229e+00	2.4211e+00	1e+00	4e-01	2e-15	4e-02
3:	2.6550e+00	2.6545e+00	3e-01	8e-02	8e-16	8e-03
4:	2.7274e+00	2.7272e+00	6e-02	2e-02	2e-15	2e-03
5:	2.7347e+00	2.7347e+00	5e-03	2e-03	2e-14	1e-04
6:	2.7358e+00	2.7358e+00	5e-05	2e-05	8e-15	2e-06
7:	2.7358e+00	2.7358e+00	5e-07	2e-07	5e-15	2e-08
8:	2.7358e+00	2.7358e+00	5e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1802e+00	2.1769e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6828e+00	3.6816e+00	2e+00	5e-01	3e-15	4e-02
3:	3.9164e+00	3.9159e+00	3e-01	8e-02	5e-15	8e-03
4:	3.9739e+00	3.9737e+00	5e-02	2e-02	2e-15	1e-03
5:	3.9821e+00	3.9821e+00	3e-03	1e-03	5e-15	9e-05
6:	3.9827e+00	3.9827e+00	3e-05	1e-05	1e-15	9e-07
7:	3.9827e+00	3.9827e+00	3e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1523e+00	1.1492e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3732e+00	2.3714e+00	1e+00	4e-01	4e-15	4e-02
3:	2.6201e+00	2.6193e+00	4e-01	1e-01	1e-15	1e-02
4:	2.6741e+00	2.6739e+00	9e-02	3e-02	1e-15	3e-03
5:	2.6810e+00	2.6810e+00	2e-03	5e-04	1e-14	4e-05
6:	2.6812e+00	2.6812e+00	2e-05	5e-06	4e-15	4e-07
7:	2.6812e+00	2.6812e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2419e+00	1.2385e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6437e+00	2.6421e+00	1e+00	4e-01	3e-15	3e-02
3:	2.7064e+00	2.7053e+00	3e-01	9e-02	2e-15	8e-03
4:	2.7550e+00	2.7547e+00	6e-02	2e-02	4e-16	1e-03
5:	2.7638e+00	2.7638e+00	1e-02	4e-03	5e-16	4e-04
6:	2.7649e+00	2.7649e+00	3e-03	1e-03	3e-15	9e-05
7:	2.7654e+00	2.7654e+00	4e-05	1e-05	7e-16	1e-06
8:	2.7654e+00	2.7654e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1931e+00	2.1904e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1369e+00	4.1358e+00	1e+00	5e-01	1e-15	4e-02
3:	4.4471e+00	4.4467e+00	2e-01	8e-02	5e-15	7e-03
4:	4.4777e+00	4.4777e+00	4e-02	1e-02	7e-15	1e-03

5:	4.4832e+00	4.4832e+00	2e-03	7e-04	1e-14	6e-05
6:	4.4836e+00	4.4836e+00	2e-05	7e-06	2e-15	6e-07
7:	4.4836e+00	4.4836e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5976e+00	2.5957e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2243e+00	4.2238e+00	1e+00	3e-01	2e-15	3e-02
3:	4.4734e+00	4.4732e+00	3e-01	9e-02	7e-15	7e-03
4:	4.5402e+00	4.5401e+00	1e-01	3e-02	3e-15	2e-03
5:	4.5510e+00	4.5510e+00	8e-03	3e-03	4e-15	2e-04
6:	4.5525e+00	4.5525e+00	9e-05	3e-05	2e-15	2e-06
7:	4.5525e+00	4.5525e+00	9e-07	3e-07	9e-16	2e-08
8:	4.5525e+00	4.5525e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0730e+00	1.0697e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8756e+00	1.8731e+00	1e+00	4e-01	4e-15	4e-02
3:	2.0283e+00	2.0275e+00	3e-01	1e-01	1e-15	1e-02
4:	2.0618e+00	2.0616e+00	7e-02	2e-02	7e-16	2e-03
5:	2.0731e+00	2.0730e+00	2e-02	6e-03	6e-16	5e-04
6:	2.0747e+00	2.0747e+00	1e-03	3e-04	4e-15	3e-05
7:	2.0749e+00	2.0749e+00	1e-05	3e-06	4e-16	3e-07
8:	2.0749e+00	2.0749e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2602e+00	1.2568e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5512e+00	2.5499e+00	1e+00	3e-01	1e-15	3e-02
3:	2.6786e+00	2.6783e+00	2e-01	5e-02	1e-15	5e-03
4:	2.7065e+00	2.7065e+00	3e-02	9e-03	3e-15	9e-04
5:	2.7087e+00	2.7087e+00	7e-04	2e-04	1e-14	2e-05
6:	2.7087e+00	2.7087e+00	7e-06	2e-06	3e-15	2e-07
7:	2.7087e+00	2.7087e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4081e+00	1.4047e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7142e+00	2.7127e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8954e+00	2.8947e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9576e+00	2.9573e+00	7e-02	2e-02	1e-15	2e-03
5:	2.9676e+00	2.9676e+00	1e-03	4e-04	4e-15	4e-05
6:	2.9678e+00	2.9678e+00	1e-05	4e-06	1e-15	4e-07
7:	2.9678e+00	2.9678e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00



1:	7.4035e-01	7.3763e-01	5e+00	1e+00	3e-16	2e-01
2:	2.1118e+00	2.1097e+00	1e+00	4e-01	6e-16	4e-02
3:	2.1302e+00	2.1271e+00	5e-01	2e-01	1e-15	1e-02
4:	2.2084e+00	2.2074e+00	2e-01	5e-02	6e-16	4e-03
5:	2.2300e+00	2.2299e+00	1e-02	4e-03	8e-16	4e-04
6:	2.2327e+00	2.2327e+00	4e-04	1e-04	6e-16	1e-05
7:	2.2327e+00	2.2327e+00	4e-06	1e-06	5e-16	1e-07
8:	2.2327e+00	2.2327e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7680e+00	1.7653e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9320e+00	2.9304e+00	2e+00	6e-01	1e-15	5e-02
3:	3.2258e+00	3.2252e+00	6e-01	2e-01	8e-16	2e-02
4:	3.3024e+00	3.3023e+00	7e-02	2e-02	2e-15	2e-03
5:	3.3179e+00	3.3179e+00	5e-03	2e-03	2e-15	1e-04
6:	3.3187e+00	3.3187e+00	5e-05	2e-05	1e-15	1e-06
7:	3.3187e+00	3.3187e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0398e+00	2.0369e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5943e+00	3.5928e+00	1e+00	4e-01	3e-15	3e-02
3:	3.7716e+00	3.7714e+00	1e-01	4e-02	2e-15	4e-03
4:	3.7930e+00	3.7930e+00	6e-03	2e-03	5e-15	2e-04
5:	3.7945e+00	3.7945e+00	6e-05	2e-05	1e-15	2e-06
6:	3.7945e+00	3.7945e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9418e+00	1.9386e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3527e+00	3.3514e+00	1e+00	5e-01	2e-15	4e-02
3:	3.5687e+00	3.5681e+00	3e-01	1e-01	4e-15	9e-03
4:	3.6267e+00	3.6267e+00	3e-02	1e-02	2e-15	9e-04
5:	3.6286e+00	3.6286e+00	5e-04	2e-04	6e-15	1e-05
6:	3.6286e+00	3.6286e+00	5e-06	2e-06	6e-15	1e-07
7:	3.6286e+00	3.6286e+00	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2467e+00	1.2434e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4376e+00	2.4361e+00	1e+00	5e-01	2e-15	4e-02
3:	2.6613e+00	2.6604e+00	2e-01	7e-02	1e-15	5e-03
4:	2.6936e+00	2.6936e+00	1e-02	3e-03	1e-15	3e-04
5:	2.6956e+00	2.6956e+00	1e-04	3e-05	4e-16	3e-06
6:	2.6956e+00	2.6956e+00	1e-06	3e-07	6e-16	3e-08
7:	2.6956e+00	2.6956e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6436e+00	1.6404e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1188e+00	3.1173e+00	1e+00	3e-01	2e-15	3e-02
3:	3.3265e+00	3.3259e+00	3e-01	1e-01	9e-16	1e-02
4:	3.3413e+00	3.3409e+00	9e-02	3e-02	7e-15	2e-03
5:	3.3544e+00	3.3544e+00	3e-03	1e-03	2e-15	9e-05
6:	3.3548e+00	3.3548e+00	3e-05	1e-05	2e-15	9e-07
7:	3.3548e+00	3.3548e+00	3e-07	1e-07	2e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2421e+00	1.2391e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6256e+00	2.6235e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6993e+00	2.6983e+00	2e-01	7e-02	1e-15	6e-03
4:	2.7203e+00	2.7202e+00	3e-02	9e-03	1e-15	9e-04
5:	2.7252e+00	2.7252e+00	2e-03	5e-04	2e-15	5e-05
6:	2.7254e+00	2.7254e+00	2e-05	5e-06	2e-15	5e-07
7:	2.7254e+00	2.7254e+00	2e-07	5e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7301e-01	3.7125e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9611e-01	9.9371e-01	1e+00	4e-01	2e-15	5e-02
3:	9.8395e-01	9.8134e-01	2e-01	6e-02	3e-15	5e-03
4:	9.9984e-01	9.9981e-01	2e-03	7e-04	4e-16	6e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2765e-01	1.2742e-01	2e+00	6e-01	3e-16	8e-02
2:	8.3440e-01	8.3225e-01	5e-01	2e-01	7e-16	2e-02
3:	8.9698e-01	8.9565e-01	2e-01	5e-02	9e-16	6e-03
4:	9.2734e-01	9.2692e-01	5e-02	1e-02	1e-15	2e-03
5:	9.3320e-01	9.3315e-01	4e-03	1e-03	2e-15	1e-04
6:	9.3385e-01	9.3385e-01	4e-05	1e-05	2e-15	1e-06
7:	9.3386e-01	9.3386e-01	4e-07	1e-07	2e-15	1e-08
8:	9.3386e-01	9.3386e-01	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.3596e-01	2.3497e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9478e-01	9.9235e-01	8e-01	2e-01	6e-16	3e-02
3:	9.2275e-01	9.1801e-01	5e-01	1e-01	1e-15	1e-02
4:	9.9936e-01	9.9918e-01	2e-02	6e-03	5e-16	6e-04
5:	9.9999e-01	9.9999e-01	2e-04	6e-05	7e-16	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	6e-07	2e-15	6e-08

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7: 1.0000e+00 1.0000e+00 2e-08 6e-09 2e-15 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 2.1983e-01 2.1924e-01 3e+00 8e-01 2e-16 1e-01
2: 9.9452e-01 9.9219e-01 6e-01 2e-01 4e-16 2e-02
3: 9.5834e-01 9.5489e-01 4e-01 1e-01 4e-15 2e-02
4: 9.9973e-01 9.9955e-01 2e-02 6e-03 5e-16 7e-04
5: 1.0000e+00 1.0000e+00 2e-04 6e-05 3e-15 7e-06
6: 1.0000e+00 1.0000e+00 2e-06 6e-07 2e-15 7e-08
7: 1.0000e+00 1.0000e+00 2e-08 6e-09 2e-15 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 3.2268e-01 3.2140e-01 3e+00 1e+00 2e-16 1e-01
2: 9.9580e-01 9.9321e-01 1e+00 4e-01 1e-15 5e-02
3: 9.6964e-01 9.6501e-01 3e-01 1e-01 3e-15 8e-03
4: 9.9971e-01 9.9965e-01 4e-03 1e-03 3e-16 1e-04
5: 1.0000e+00 1.0000e+00 4e-05 1e-05 2e-16 1e-06
6: 1.0000e+00 1.0000e+00 4e-07 1e-07 5e-16 1e-08
7: 1.0000e+00 1.0000e+00 4e-09 1e-09 3e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 4.9923e-01 4.9632e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9697e-01 9.9496e-01 1e+00 4e-01 2e-15 5e-02
3: 9.9948e-01 9.9936e-01 2e-02 6e-03 1e-15 6e-04
4: 9.9999e-01 9.9999e-01 2e-04 6e-05 3e-16 6e-06
5: 1.0000e+00 1.0000e+00 2e-06 6e-07 9e-16 6e-08
6: 1.0000e+00 1.0000e+00 2e-08 6e-09 4e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 2.7968e-01 2.7876e-01 3e+00 9e-01 2e-16 1e-01
2: 9.9520e-01 9.9279e-01 1e+00 3e-01 5e-16 4e-02
3: 9.3928e-01 9.3351e-01 4e-01 1e-01 3e-15 1e-02
4: 9.9944e-01 9.9934e-01 7e-03 2e-03 4e-16 2e-04
5: 9.9999e-01 9.9999e-01 7e-05 2e-05 5e-16 2e-06
6: 1.0000e+00 1.0000e+00 7e-07 2e-07 5e-16 2e-08
7: 1.0000e+00 1.0000e+00 7e-09 2e-09 4e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 7e+00 1e-16 1e+00
1: 1.7613e-01 1.7562e-01 2e+00 8e-01 2e-16 1e-01
2: 8.6545e-01 8.6326e-01 7e-01 2e-01 7e-16 3e-02
3: 9.4423e-01 9.4133e-01 2e-01 7e-02 9e-16 7e-03
4: 9.8195e-01 9.8110e-01 6e-02 2e-02 7e-16 2e-03
5: 9.8989e-01 9.8976e-01 9e-03 3e-03 3e-15 3e-04

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6:	9.9081e-01	9.9081e-01	1e-04	4e-05	1e-14	3e-06
7:	9.9083e-01	9.9082e-01	1e-06	4e-07	1e-14	3e-08
8:	9.9083e-01	9.9083e-01	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2800e-01	6.2467e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9625e-01	3e-01	1e-01	7e-16	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	2e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.5334e-01	3.5177e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9610e-01	9.9352e-01	2e+00	5e-01	7e-16	6e-02
3:	9.8124e-01	9.7786e-01	2e-01	7e-02	2e-15	6e-03
4:	9.9982e-01	9.9978e-01	3e-03	8e-04	4e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	8e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1330e-01	4.1115e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9660e-01	9.9411e-01	2e+00	5e-01	4e-16	6e-02
3:	9.9402e-01	9.9271e-01	1e-01	3e-02	1e-15	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.4281e-01	2.4204e-01	3e+00	9e-01	3e-16	1e-01
2:	9.7920e-01	9.7676e-01	8e-01	2e-01	4e-16	3e-02
3:	9.4452e-01	9.4085e-01	4e-01	1e-01	1e-15	1e-02
4:	9.8149e-01	9.7960e-01	2e-01	5e-02	5e-16	5e-03
5:	9.9983e-01	9.9980e-01	3e-03	8e-04	6e-16	8e-05
6:	1.0000e+00	1.0000e+00	3e-05	8e-06	1e-15	8e-07
7:	1.0000e+00	1.0000e+00	3e-07	8e-08	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7907e-01	1.7835e-01	3e+00	9e-01	1e-16	1e-01
2:	7.5411e-01	7.5169e-01	8e-01	3e-01	3e-16	3e-02
3:	8.4291e-01	8.4236e-01	1e-01	4e-02	4e-16	5e-03
4:	8.6021e-01	8.5991e-01	5e-02	2e-02	9e-16	2e-03
5:	8.6230e-01	8.6220e-01	6e-03	2e-03	2e-15	2e-04
6:	8.6356e-01	8.6356e-01	9e-05	3e-05	5e-16	2e-06

7:	8.6358e-01	8.6358e-01	9e-07	3e-07	7e-16	2e-08
8:	8.6358e-01	8.6358e-01	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1449e-01	3.1313e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9551e-01	9.9313e-01	1e+00	4e-01	8e-16	4e-02
3:	9.5927e-01	9.5470e-01	3e-01	1e-01	3e-15	8e-03
4:	9.9961e-01	9.9955e-01	4e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3081e-01	3.2945e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9584e-01	9.9329e-01	1e+00	5e-01	1e-15	6e-02
3:	9.7198e-01	9.6758e-01	3e-01	9e-02	2e-15	7e-03
4:	9.9973e-01	9.9968e-01	4e-03	1e-03	7e-16	9e-05
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	9e-07
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	7e-16	9e-09
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3431e-01	5.3117e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9712e-01	9.9531e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9990e-01	9.9987e-01	1e-02	4e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	2e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	7e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0908e-01	3.0785e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9402e-01	9.9168e-01	7e-01	2e-01	9e-16	3e-02
3:	9.6665e-01	9.6366e-01	3e-01	1e-01	5e-15	9e-03
4:	9.9915e-01	9.9903e-01	1e-02	3e-03	3e-16	3e-04
5:	9.9999e-01	9.9999e-01	1e-04	3e-05	2e-15	3e-06
6:	1.0000e+00	1.0000e+00	1e-06	3e-07	2e-15	3e-08
7:	1.0000e+00	1.0000e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8297e-01	3.8112e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9638e-01	9.9381e-01	2e+00	5e-01	2e-15	6e-02
3:	9.8910e-01	9.8688e-01	2e-01	5e-02	3e-15	4e-03
4:	9.9989e-01	9.9987e-01	2e-03	5e-04	4e-16	4e-05

5:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0245e-01	2.0182e-01	3e+00	8e-01	2e-16	1e-01
2:	9.7078e-01	9.6845e-01	5e-01	2e-01	1e-15	2e-02
3:	1.0012e+00	9.9968e-01	2e-01	5e-02	2e-15	6e-03
4:	9.9891e-01	9.9852e-01	2e-02	7e-03	4e-15	6e-04
5:	9.9999e-01	9.9998e-01	2e-04	7e-05	3e-15	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	7e-07	3e-15	6e-08
7:	1.0000e+00	1.0000e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8159e-01	3.7976e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9645e-01	9.9380e-01	2e+00	5e-01	6e-16	6e-02
3:	9.9001e-01	9.8783e-01	2e-01	5e-02	1e-15	4e-03
4:	9.9990e-01	9.9988e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9950e-01	4.9660e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9497e-01	1e+00	4e-01	8e-16	5e-02
3:	9.9967e-01	9.9960e-01	2e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	8e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8068e-01	2.7976e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9527e-01	9.9280e-01	1e+00	4e-01	4e-16	5e-02
3:	9.4105e-01	9.3473e-01	4e-01	1e-01	1e-15	1e-02
4:	9.9945e-01	9.9935e-01	7e-03	2e-03	3e-16	2e-04
5:	9.9999e-01	9.9999e-01	7e-05	2e-05	4e-16	2e-06
6:	1.0000e+00	1.0000e+00	7e-07	2e-07	4e-16	2e-08
7:	1.0000e+00	1.0000e+00	7e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3055e-01	5.2742e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9692e-01	9.9527e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9973e-01	9.9968e-01	2e-02	5e-03	9e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	6e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08

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6: 1.0000e+00 1.0000e+00 2e-08 5e-09 5e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.1203e-01 4.0989e-01 4e+00 1e+00 2e-16 2e-01
2: 9.9665e-01 9.9410e-01 2e+00 5e-01 1e-15 6e-02
3: 9.9439e-01 9.9312e-01 1e-01 3e-02 9e-16 3e-03
4: 9.9994e-01 9.9993e-01 1e-03 3e-04 3e-16 3e-05
5: 1.0000e+00 1.0000e+00 1e-05 3e-06 4e-16 3e-07
6: 1.0000e+00 1.0000e+00 1e-07 3e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 3.0974e-01 3.0857e-01 3e+00 1e+00 2e-16 1e-01
2: 9.9561e-01 9.9309e-01 1e+00 4e-01 7e-16 5e-02
3: 9.6115e-01 9.5605e-01 3e-01 1e-01 1e-15 8e-03
4: 9.9963e-01 9.9956e-01 5e-03 1e-03 5e-16 1e-04
5: 1.0000e+00 1.0000e+00 5e-05 1e-05 3e-16 1e-06
6: 1.0000e+00 1.0000e+00 5e-07 1e-07 4e-16 1e-08
7: 1.0000e+00 1.0000e+00 5e-09 1e-09 4e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.2569e-01 4.2342e-01 4e+00 1e+00 2e-16 2e-01
2: 9.9671e-01 9.9423e-01 2e+00 5e-01 3e-16 6e-02
3: 9.9565e-01 9.9466e-01 8e-02 3e-02 2e-15 2e-03
4: 9.9996e-01 9.9995e-01 8e-04 3e-04 3e-16 2e-05
5: 1.0000e+00 1.0000e+00 8e-06 3e-06 3e-16 2e-07
6: 1.0000e+00 1.0000e+00 8e-08 3e-08 4e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.0283e-01 4.0078e-01 4e+00 1e+00 2e-16 2e-01
2: 9.9659e-01 9.9401e-01 2e+00 5e-01 2e-15 6e-02
3: 9.9319e-01 9.9167e-01 1e-01 4e-02 2e-15 3e-03
4: 9.9993e-01 9.9992e-01 1e-03 4e-04 3e-16 3e-05
5: 1.0000e+00 1.0000e+00 1e-05 4e-06 3e-16 3e-07
6: 1.0000e+00 1.0000e+00 1e-07 4e-08 2e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 3.5262e-01 3.5093e-01 4e+00 1e+00 2e-16 1e-01
2: 9.9579e-01 9.9351e-01 1e+00 4e-01 7e-16 4e-02
3: 9.7425e-01 9.7093e-01 2e-01 8e-02 2e-15 6e-03
4: 9.9975e-01 9.9971e-01 3e-03 9e-04 5e-16 7e-05
5: 1.0000e+00 1.0000e+00 3e-05 9e-06 4e-16 7e-07
6: 1.0000e+00 1.0000e+00 3e-07 9e-08 3e-16 7e-09
Optimal solution found.

```

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3827e-01	5.3511e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9718e-01	9.9535e-01	1e+00	3e-01	4e-15	3e-02
3:	9.9993e-01	9.9990e-01	1e-02	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.0573e-01	2.0496e-01	3e+00	9e-01	1e-16	1e-01
2:	8.8859e-01	8.8611e-01	8e-01	2e-01	6e-16	3e-02
3:	9.8985e-01	9.8891e-01	2e-01	7e-02	9e-16	9e-03
4:	1.0002e+00	9.9989e-01	5e-02	2e-02	2e-15	2e-03
5:	9.9935e-01	9.9919e-01	1e-02	3e-03	4e-14	2e-04
6:	9.9999e-01	9.9999e-01	1e-04	3e-05	8e-15	3e-06
7:	1.0000e+00	1.0000e+00	1e-06	3e-07	1e-14	3e-08
8:	1.0000e+00	1.0000e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.4606e-01	2.4527e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9482e-01	9.9245e-01	9e-01	3e-01	6e-16	3e-02
3:	9.4411e-01	9.3946e-01	5e-01	2e-01	1e-15	2e-02
4:	9.9953e-01	9.9939e-01	1e-02	5e-03	1e-15	5e-04
5:	1.0000e+00	9.9999e-01	1e-04	5e-05	8e-16	5e-06
6:	1.0000e+00	1.0000e+00	1e-06	5e-07	1e-15	5e-08
7:	1.0000e+00	1.0000e+00	1e-08	5e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.7341e-01	2.7255e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9514e-01	9.9273e-01	1e+00	3e-01	6e-16	4e-02
3:	9.4583e-01	9.4075e-01	5e-01	1e-01	1e-15	1e-02
4:	9.9951e-01	9.9941e-01	9e-03	3e-03	5e-16	3e-04
5:	1.0000e+00	9.9999e-01	9e-05	3e-05	6e-16	3e-06
6:	1.0000e+00	1.0000e+00	9e-07	3e-07	6e-16	3e-08
7:	1.0000e+00	1.0000e+00	9e-09	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0625e-01	4.0417e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9655e-01	9.9404e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9306e-01	9.9155e-01	1e-01	4e-02	2e-15	3e-03
4:	9.9993e-01	9.9992e-01	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9430e-01	4.9142e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9686e-01	9.9491e-01	1e+00	4e-01	4e-16	5e-02
3:	9.9906e-01	9.9887e-01	3e-02	8e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	2e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6752e-01	3.6582e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9620e-01	9.9366e-01	2e+00	5e-01	7e-16	6e-02
3:	9.8480e-01	9.8194e-01	2e-01	7e-02	4e-15	5e-03
4:	9.9985e-01	9.9982e-01	2e-03	7e-04	3e-16	6e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4308e-01	5.3989e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9713e-01	9.9540e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9993e-01	9.9990e-01	1e-02	3e-03	4e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3659e-01	3.3518e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9590e-01	9.9335e-01	1e+00	4e-01	8e-16	5e-02
3:	9.7411e-01	9.6999e-01	3e-01	9e-02	1e-15	7e-03
4:	9.9975e-01	9.9970e-01	3e-03	1e-03	3e-16	9e-05
5:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	9e-07
6:	1.0000e+00	1.0000e+00	3e-07	1e-07	6e-16	9e-09
7:	1.0000e+00	1.0000e+00	3e-09	1e-09	2e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2249e-01	3.2122e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9579e-01	9.9321e-01	1e+00	4e-01	8e-16	6e-02
3:	9.6909e-01	9.6438e-01	3e-01	1e-01	3e-15	8e-03
4:	9.9970e-01	9.9964e-01	4e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3156e-01	4.2923e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9660e-01	9.9429e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9510e-01	9.9406e-01	9e-02	3e-02	2e-15	2e-03
4:	9.9995e-01	9.9994e-01	9e-04	3e-04	6e-16	2e-05
5:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5910e-01	4.5651e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9684e-01	9.9457e-01	2e+00	5e-01	9e-16	5e-02
3:	9.9795e-01	9.9750e-01	4e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9997e-01	4e-04	1e-04	6e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.4312e-01	1.4236e-01	3e+00	9e-01	2e-16	1e-01
2:	7.0377e-01	7.0130e-01	7e-01	2e-01	5e-16	3e-02
3:	8.2677e-01	8.2552e-01	2e-01	5e-02	7e-16	6e-03
4:	8.2953e-01	8.2841e-01	1e-01	3e-02	3e-15	3e-03
5:	8.4659e-01	8.4648e-01	9e-03	3e-03	4e-16	3e-04
6:	8.4805e-01	8.4802e-01	2e-03	8e-04	1e-15	7e-05
7:	8.4818e-01	8.4816e-01	1e-03	4e-04	2e-14	3e-05
8:	8.4840e-01	8.4840e-01	1e-05	5e-06	8e-16	4e-07
9:	8.4840e-01	8.4840e-01	1e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1909e-01	4.1689e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9672e-01	9.9417e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9541e-01	9.9435e-01	9e-02	3e-02	2e-15	2e-03
4:	9.9995e-01	9.9994e-01	9e-04	3e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	9e-06	3e-06	2e-16	2e-07
6:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6275e-01	4.6015e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9696e-01	9.9460e-01	2e+00	5e-01	2e-15	5e-02
3:	9.9867e-01	9.9837e-01	3e-02	1e-02	7e-16	9e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	5e-16	9e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	2e-16	9e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.3758e-01	2.3651e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9460e-01	9.9237e-01	8e-01	3e-01	8e-16	3e-02
3:	9.1642e-01	9.1138e-01	5e-01	1e-01	1e-15	1e-02
4:	9.9926e-01	9.9911e-01	1e-02	4e-03	4e-16	4e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	7e-16	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	1e-15	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4678e-01	5.4357e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9705e-01	9.9544e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9991e-01	9.9989e-01	1e-02	3e-03	5e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	5e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	3e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.5613e-01	1.5530e-01	3e+00	9e-01	1e-16	1e-01
2:	7.4534e-01	7.4301e-01	7e-01	2e-01	1e-15	3e-02
3:	8.6373e-01	8.6282e-01	2e-01	6e-02	4e-16	7e-03
4:	8.8062e-01	8.8040e-01	3e-02	8e-03	1e-15	8e-04
5:	8.8430e-01	8.8428e-01	2e-03	6e-04	2e-15	6e-05
6:	8.8472e-01	8.8472e-01	2e-05	6e-06	7e-16	6e-07
7:	8.8473e-01	8.8473e-01	2e-07	6e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.8694e-01	1.8601e-01	3e+00	1e+00	2e-16	1e-01
2:	7.8881e-01	7.8628e-01	9e-01	3e-01	6e-16	4e-02
3:	9.2139e-01	9.2022e-01	2e-01	6e-02	5e-16	6e-03
4:	9.5813e-01	9.5774e-01	5e-02	2e-02	7e-16	2e-03
5:	9.6680e-01	9.6668e-01	1e-02	4e-03	3e-15	4e-04
6:	9.6844e-01	9.6843e-01	7e-04	2e-04	6e-15	2e-05
7:	9.6857e-01	9.6857e-01	7e-06	2e-06	3e-15	2e-07
8:	9.6857e-01	9.6857e-01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1642e-01	5.1339e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9513e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9981e-01	9.9976e-01	1e-02	4e-03	6e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	3e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	8e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.9219e-01	2.9117e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9542e-01	9.9291e-01	1e+00	4e-01	5e-16	5e-02
3:	9.5010e-01	9.4420e-01	4e-01	1e-01	8e-16	9e-03
4:	9.9954e-01	9.9944e-01	6e-03	2e-03	3e-16	2e-04
5:	1.0000e+00	9.9999e-01	6e-05	2e-05	3e-16	2e-06
6:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08
7:	1.0000e+00	1.0000e+00	6e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3996e-01	5.3679e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9712e-01	9.9537e-01	1e+00	3e-01	3e-15	3e-02
3:	9.9991e-01	9.9989e-01	1e-02	4e-03	7e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.5587e-01	9.5285e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9533e+00	1.9512e+00	2e+00	5e-01	7e-16	5e-02
3:	1.9925e+00	1.9919e+00	8e-02	2e-02	1e-15	2e-03
4:	1.9999e+00	1.9999e+00	8e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9006e-01	7.8716e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9012e+00	1.8992e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9956e+00	1.9941e+00	2e-01	7e-02	1e-15	6e-03
4:	1.9999e+00	1.9999e+00	2e-03	8e-04	8e-16	7e-05
5:	2.0000e+00	2.0000e+00	2e-05	8e-06	1e-15	7e-07
6:	2.0000e+00	2.0000e+00	2e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.5421e-01	8.5140e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9650e+00	1.9632e+00	1e+00	4e-01	9e-16	4e-02
3:	1.9643e+00	1.9623e+00	2e-01	6e-02	4e-15	5e-03
4:	1.9996e+00	1.9996e+00	2e-03	7e-04	3e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.3864e-01	9.3568e-01	5e+00	2e+00	2e-16	2e-01

2:	1.8372e+00	1.8362e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9850e+00	1.9844e+00	3e-01	1e-01	2e-15	8e-03
4:	1.9995e+00	1.9995e+00	7e-03	2e-03	1e-15	2e-04
5:	2.0000e+00	2.0000e+00	7e-05	2e-05	8e-16	2e-06
6:	2.0000e+00	2.0000e+00	7e-07	2e-07	7e-16	2e-08
7:	2.0000e+00	2.0000e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.0863e-01	6.0632e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6701e+00	1.6677e+00	1e+00	5e-01	9e-16	5e-02
3:	1.9080e+00	1.9059e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9659e+00	1.9654e+00	7e-02	2e-02	1e-15	2e-03
5:	1.9781e+00	1.9780e+00	3e-03	8e-04	3e-15	7e-05
6:	1.9783e+00	1.9783e+00	3e-05	8e-06	6e-15	7e-07
7:	1.9783e+00	1.9783e+00	3e-07	8e-08	1e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7630e-01	8.7303e-01	5e+00	2e+00	1e-16	2e-01
2:	1.8623e+00	1.8597e+00	2e+00	7e-01	2e-15	7e-02
3:	1.9705e+00	1.9686e+00	2e-01	8e-02	1e-15	6e-03
4:	1.9997e+00	1.9997e+00	3e-03	8e-04	3e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	8e-06	4e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0390e+00	1.0359e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9824e+00	1.9806e+00	1e+00	4e-01	4e-15	4e-02
3:	1.9982e+00	1.9981e+00	3e-02	8e-03	1e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	8e-05	7e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	8e-07	7e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9971e-01	3.9793e-01	4e+00	1e+00	2e-16	1e-01
2:	1.1203e+00	1.1180e+00	1e+00	3e-01	1e-15	4e-02
3:	1.2104e+00	1.2094e+00	3e-01	9e-02	1e-15	1e-02
4:	1.2361e+00	1.2359e+00	4e-02	1e-02	1e-15	1e-03
5:	1.2447e+00	1.2446e+00	1e-02	3e-03	3e-15	3e-04
6:	1.2452e+00	1.2452e+00	5e-03	2e-03	4e-15	1e-04
7:	1.2462e+00	1.2462e+00	1e-04	3e-05	1e-15	3e-06
8:	1.2463e+00	1.2463e+00	1e-06	3e-07	8e-16	3e-08
9:	1.2463e+00	1.2463e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.2727e-01	8.2394e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4683e+00	1.4660e+00	1e+00	4e-01	4e-15	4e-02
3:	1.6380e+00	1.6369e+00	5e-01	1e-01	2e-15	1e-02
4:	1.6830e+00	1.6825e+00	1e-01	4e-02	7e-16	4e-03
5:	1.6989e+00	1.6988e+00	2e-02	5e-03	8e-16	5e-04
6:	1.7007e+00	1.7007e+00	2e-03	7e-04	4e-15	6e-05
7:	1.7009e+00	1.7009e+00	7e-05	2e-05	7e-15	2e-06
8:	1.7010e+00	1.7010e+00	7e-07	2e-07	2e-15	2e-08
9:	1.7010e+00	1.7010e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.2132e-01	6.1837e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4516e+00	1.4497e+00	1e+00	4e-01	3e-15	4e-02
3:	1.7426e+00	1.7420e+00	3e-01	8e-02	1e-15	9e-03
4:	1.7276e+00	1.7267e+00	2e-01	5e-02	3e-15	5e-03
5:	1.7487e+00	1.7483e+00	7e-02	2e-02	1e-15	2e-03
6:	1.7462e+00	1.7458e+00	6e-02	2e-02	2e-15	2e-03
7:	1.7574e+00	1.7573e+00	1e-02	5e-03	8e-16	4e-04
8:	1.7615e+00	1.7615e+00	1e-03	3e-04	6e-16	3e-05
9:	1.7617e+00	1.7617e+00	1e-05	3e-06	8e-16	3e-07
10:	1.7617e+00	1.7617e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8521e-01	8.8239e-01	5e+00	1e+00	3e-16	2e-01
2:	1.9216e+00	1.9198e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9935e+00	1.9925e+00	1e-01	5e-02	2e-15	4e-03
4:	1.9999e+00	1.9999e+00	2e-03	5e-04	1e-15	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	9e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.2676e-01	7.2458e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9359e+00	1.9338e+00	1e+00	3e-01	4e-16	4e-02
3:	1.9745e+00	1.9724e+00	2e-01	6e-02	6e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	7e-04	5e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	7e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.1983e-01	7.1651e-01	6e+00	2e+00	1e-16	2e-01
2:	1.1378e+00	1.1364e+00	1e+00	3e-01	2e-16	3e-02
3:	1.3132e+00	1.3126e+00	4e-01	1e-01	4e-16	1e-02
4:	1.3310e+00	1.3305e+00	1e-01	4e-02	8e-16	4e-03

5:	1.3540e+00	1.3539e+00	3e-02	1e-02	5e-16	9e-04
6:	1.3572e+00	1.3571e+00	7e-03	2e-03	7e-16	2e-04
7:	1.3584e+00	1.3584e+00	1e-04	3e-05	4e-16	3e-06
8:	1.3585e+00	1.3585e+00	1e-06	3e-07	5e-16	3e-08
9:	1.3585e+00	1.3585e+00	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3146e-01	7.2881e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7202e+00	1.7181e+00	1e+00	4e-01	2e-15	5e-02
3:	1.9896e+00	1.9889e+00	3e-01	9e-02	2e-15	1e-02
4:	1.9851e+00	1.9843e+00	1e-01	3e-02	4e-15	3e-03
5:	1.9998e+00	1.9998e+00	2e-03	5e-04	1e-15	5e-05
6:	2.0000e+00	2.0000e+00	2e-05	5e-06	3e-15	5e-07
7:	2.0000e+00	2.0000e+00	2e-07	5e-08	5e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2773e-01	8.2502e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9634e+00	1.9615e+00	1e+00	4e-01	6e-16	4e-02
3:	1.9590e+00	1.9566e+00	3e-01	8e-02	4e-15	7e-03
4:	1.9996e+00	1.9996e+00	3e-03	9e-04	7e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	2e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.9346e-01	6.9117e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9415e+00	1.9393e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9209e+00	1.9171e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9991e+00	1.9991e+00	8e-03	2e-03	6e-16	2e-04
5:	2.0000e+00	2.0000e+00	8e-05	2e-05	8e-16	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	2e-07	5e-16	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5542e-01	7.5230e-01	5e+00	2e+00	3e-16	2e-01
2:	1.6991e+00	1.6976e+00	9e-01	3e-01	2e-15	3e-02
3:	1.8909e+00	1.8903e+00	2e-01	7e-02	8e-16	7e-03
4:	1.9388e+00	1.9387e+00	6e-02	2e-02	6e-16	2e-03
5:	1.9443e+00	1.9442e+00	1e-02	4e-03	3e-15	4e-04
6:	1.9465e+00	1.9465e+00	2e-04	6e-05	2e-15	5e-06
7:	1.9465e+00	1.9465e+00	2e-06	6e-07	3e-15	5e-08
8:	1.9465e+00	1.9465e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	7.7726e-01	7.7392e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4696e+00	1.4678e+00	1e+00	4e-01	1e-15	4e-02
3:	1.8511e+00	1.8500e+00	4e-01	1e-01	9e-16	1e-02
4:	1.9013e+00	1.9008e+00	1e-01	3e-02	1e-15	3e-03
5:	1.9187e+00	1.9187e+00	1e-02	4e-03	1e-15	3e-04
6:	1.9207e+00	1.9207e+00	5e-04	2e-04	3e-15	1e-05
7:	1.9208e+00	1.9208e+00	5e-06	2e-06	8e-15	1e-07
8:	1.9208e+00	1.9208e+00	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.1452e-01	8.1152e-01	5e+00	2e+00	1e-16	2e-01
2:	1.9615e+00	1.9593e+00	1e+00	5e-01	2e-15	5e-02
3:	1.9489e+00	1.9457e+00	3e-01	1e-01	2e-15	9e-03
4:	1.9995e+00	1.9994e+00	5e-03	2e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	2e-05	3e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	2e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1242e-01	9.0938e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9175e+00	1.9158e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9657e+00	1.9645e+00	2e-01	7e-02	5e-15	6e-03
4:	1.9996e+00	1.9996e+00	2e-03	8e-04	7e-16	7e-05
5:	2.0000e+00	2.0000e+00	2e-05	8e-06	4e-16	7e-07
6:	2.0000e+00	2.0000e+00	2e-07	8e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.2674e-01	1.2601e-01	3e+00	9e-01	2e-16	1e-01
2:	5.4910e-01	5.4660e-01	9e-01	3e-01	2e-16	4e-02
3:	6.6200e-01	6.6109e-01	2e-01	7e-02	4e-16	9e-03
4:	6.9382e-01	6.9362e-01	4e-02	1e-02	4e-16	2e-03
5:	7.0155e-01	7.0149e-01	8e-03	2e-03	2e-15	3e-04
6:	7.0217e-01	7.0216e-01	9e-04	3e-04	1e-14	3e-05
7:	7.0227e-01	7.0227e-01	7e-05	2e-05	3e-14	2e-06
8:	7.0228e-01	7.0228e-01	7e-07	2e-07	3e-15	2e-08
9:	7.0228e-01	7.0228e-01	7e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.9970e-01	5.9795e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7092e+00	1.7069e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9297e+00	1.9284e+00	4e-01	1e-01	2e-15	2e-02
4:	1.9660e+00	1.9656e+00	8e-02	3e-02	3e-15	3e-03
5:	1.9828e+00	1.9827e+00	2e-02	5e-03	1e-15	6e-04
6:	1.9847e+00	1.9847e+00	6e-04	2e-04	1e-14	2e-05



7:	1.9848e+00	1.9848e+00	6e-06	2e-06	5e-15	2e-07
8:	1.9848e+00	1.9848e+00	6e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.6561e-01	6.6384e-01	4e+00	1e+00	2e-16	1e-01
2:	1.9347e+00	1.9325e+00	1e+00	3e-01	7e-16	4e-02
3:	1.9373e+00	1.9345e+00	3e-01	9e-02	3e-15	9e-03
4:	1.9992e+00	1.9992e+00	5e-03	1e-03	5e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	1e-05	9e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	1e-07	6e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	1e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.1751e-01	6.1498e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5109e+00	1.5086e+00	2e+00	5e-01	2e-15	5e-02
3:	1.7695e+00	1.7685e+00	4e-01	1e-01	2e-15	1e-02
4:	1.8313e+00	1.8310e+00	7e-02	2e-02	1e-15	2e-03
5:	1.8361e+00	1.8360e+00	1e-02	4e-03	3e-15	4e-04
6:	1.8379e+00	1.8379e+00	3e-04	9e-05	9e-16	9e-06
7:	1.8380e+00	1.8380e+00	3e-06	9e-07	1e-15	9e-08
8:	1.8380e+00	1.8380e+00	3e-08	9e-09	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2484e+00	1.2456e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9203e+00	1.9195e+00	1e+00	4e-01	1e-15	3e-02
3:	1.9989e+00	1.9989e+00	2e-02	7e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	1e-15	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	6e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7878e-01	8.7547e-01	5e+00	2e+00	1e-16	2e-01
2:	1.7627e+00	1.7606e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9941e+00	1.9934e+00	3e-01	1e-01	2e-15	1e-02
4:	1.9833e+00	1.9826e+00	1e-01	3e-02	6e-15	3e-03
5:	1.9998e+00	1.9998e+00	1e-03	5e-04	3e-16	4e-05
6:	2.0000e+00	2.0000e+00	1e-05	5e-06	1e-15	4e-07
7:	2.0000e+00	2.0000e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.8017e-01	4.7817e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6468e+00	1.6445e+00	9e-01	3e-01	8e-16	3e-02
3:	1.7600e+00	1.7593e+00	2e-01	6e-02	5e-16	7e-03

4:	1.7789e+00	1.7786e+00	3e-02	9e-03	3e-15	9e-04
5:	1.7854e+00	1.7854e+00	1e-03	4e-04	5e-16	4e-05
6:	1.7856e+00	1.7856e+00	1e-05	4e-06	6e-16	4e-07
7:	1.7856e+00	1.7856e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	6.5157e-01	6.5012e-01	4e+00	1e+00	2e-16	1e-01
2:	1.9600e+00	1.9576e+00	1e+00	4e-01	9e-16	4e-02
3:	1.9265e+00	1.9233e+00	4e-01	1e-01	4e-15	1e-02
4:	1.9992e+00	1.9991e+00	8e-03	2e-03	6e-16	2e-04
5:	2.0000e+00	2.0000e+00	8e-05	2e-05	2e-15	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	2e-07	8e-16	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.2254e-01	4.2109e-01	4e+00	1e+00	2e-16	1e-01
2:	1.3854e+00	1.3830e+00	9e-01	3e-01	4e-16	4e-02
3:	1.5436e+00	1.5428e+00	3e-01	8e-02	5e-16	1e-02
4:	1.5907e+00	1.5903e+00	9e-02	3e-02	1e-15	3e-03
5:	1.5935e+00	1.5933e+00	2e-02	6e-03	6e-15	5e-04
6:	1.5969e+00	1.5969e+00	3e-04	9e-05	2e-15	8e-06
7:	1.5970e+00	1.5970e+00	3e-06	9e-07	1e-15	8e-08
8:	1.5970e+00	1.5970e+00	3e-08	9e-09	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2221e+00	1.2187e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9914e+00	1.9906e+00	6e-01	2e-01	3e-15	2e-02
3:	1.9999e+00	1.9999e+00	6e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.7238e-01	7.6939e-01	5e+00	2e+00	1e-16	2e-01
2:	1.6584e+00	1.6566e+00	1e+00	4e-01	5e-16	4e-02
3:	1.8670e+00	1.8665e+00	3e-01	9e-02	9e-16	9e-03
4:	1.9186e+00	1.9184e+00	6e-02	2e-02	3e-15	2e-03
5:	1.9292e+00	1.9291e+00	2e-02	5e-03	2e-15	5e-04
6:	1.9312e+00	1.9312e+00	3e-04	9e-05	2e-15	8e-06
7:	1.9313e+00	1.9313e+00	3e-06	9e-07	1e-15	8e-08
8:	1.9313e+00	1.9313e+00	3e-08	9e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.6524e-01	3.6405e-01	3e+00	1e+00	2e-16	1e-01

2:	1.3745e+00	1.3719e+00	1e+00	3e-01	3e-16	4e-02
3:	1.5743e+00	1.5731e+00	4e-01	1e-01	7e-16	1e-02
4:	1.6026e+00	1.6014e+00	1e-01	4e-02	2e-15	4e-03
5:	1.6206e+00	1.6203e+00	3e-02	8e-03	2e-15	7e-04
6:	1.6222e+00	1.6221e+00	7e-03	2e-03	2e-14	2e-04
7:	1.6234e+00	1.6234e+00	3e-04	8e-05	2e-15	7e-06
8:	1.6234e+00	1.6234e+00	3e-06	8e-07	9e-15	7e-08
9:	1.6234e+00	1.6234e+00	3e-08	8e-09	7e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8280e-01	8.7971e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9481e+00	1.9461e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9456e+00	1.9439e+00	3e-01	1e-01	1e-15	9e-03
4:	1.9994e+00	1.9994e+00	5e-03	2e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	2e-05	2e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	2e-07	7e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.2600e-01	8.2271e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9451e+00	1.9434e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9331e+00	1.9304e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9993e+00	1.9992e+00	6e-03	2e-03	4e-16	2e-04
5:	2.0000e+00	2.0000e+00	6e-05	2e-05	4e-16	2e-06
6:	2.0000e+00	2.0000e+00	6e-07	2e-07	3e-16	2e-08
7:	2.0000e+00	2.0000e+00	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.3199e-01	8.2967e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9348e+00	1.9324e+00	1e+00	5e-01	1e-15	5e-02
3:	1.9684e+00	1.9670e+00	2e-01	7e-02	2e-15	6e-03
4:	1.9997e+00	1.9997e+00	2e-03	7e-04	4e-16	7e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	5e-16	7e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.9158e-01	7.8831e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7241e+00	1.7226e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9798e+00	1.9792e+00	4e-01	1e-01	7e-16	1e-02
4:	1.9842e+00	1.9835e+00	1e-01	3e-02	5e-15	3e-03
5:	1.9998e+00	1.9998e+00	1e-03	4e-04	4e-16	3e-05
6:	2.0000e+00	2.0000e+00	1e-05	4e-06	7e-16	3e-07
7:	2.0000e+00	2.0000e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1429e-01	3.1283e-01	4e+00	1e+00	2e-16	1e-01
2:	9.1193e-01	9.0957e-01	1e+00	3e-01	2e-15	4e-02
3:	1.0384e+00	1.0378e+00	2e-01	5e-02	6e-16	6e-03
4:	1.0919e+00	1.0916e+00	5e-02	2e-02	7e-16	2e-03
5:	1.0963e+00	1.0962e+00	1e-02	4e-03	6e-15	3e-04
6:	1.0979e+00	1.0979e+00	2e-03	5e-04	7e-15	4e-05
7:	1.0983e+00	1.0983e+00	1e-04	3e-05	1e-15	3e-06
8:	1.0983e+00	1.0983e+00	1e-06	3e-07	1e-14	3e-08
9:	1.0983e+00	1.0983e+00	1e-08	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6865e-01	4.6704e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4053e+00	1.4029e+00	1e+00	4e-01	9e-16	4e-02
3:	1.4651e+00	1.4630e+00	3e-01	9e-02	1e-15	1e-02
4:	1.5358e+00	1.5350e+00	1e-01	3e-02	5e-16	3e-03
5:	1.5441e+00	1.5440e+00	1e-02	4e-03	3e-15	3e-04
6:	1.5475e+00	1.5474e+00	4e-03	1e-03	1e-15	1e-04
7:	1.5478e+00	1.5478e+00	2e-03	7e-04	3e-15	5e-05
8:	1.5482e+00	1.5482e+00	5e-05	2e-05	2e-15	1e-06
9:	1.5482e+00	1.5482e+00	5e-07	2e-07	3e-15	1e-08
10:	1.5482e+00	1.5482e+00	5e-09	2e-09	5e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4201e+00	1.4175e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9937e+00	1.9935e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	7e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2468e+00	1.2437e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8852e+00	1.8841e+00	9e-01	3e-01	3e-15	3e-02
3:	1.9894e+00	1.9893e+00	7e-02	2e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	7e-04	2e-04	5e-16	2e-05
5:	2.0000e+00	2.0000e+00	7e-06	2e-06	6e-16	2e-07
6:	2.0000e+00	2.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.8908e-01	3.8794e-01	3e+00	1e+00	2e-16	1e-01
2:	1.5060e+00	1.5037e+00	7e-01	2e-01	8e-16	3e-02
3:	1.5937e+00	1.5926e+00	1e-01	4e-02	1e-15	5e-03
4:	1.6102e+00	1.6100e+00	2e-02	8e-03	4e-15	7e-04

5:	1.6142e+00	1.6142e+00	1e-03	4e-04	4e-15	4e-05
6:	1.6145e+00	1.6145e+00	1e-05	4e-06	1e-15	4e-07
7:	1.6145e+00	1.6145e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.8596e-01	2.8486e-01	3e+00	1e+00	2e-16	1e-01
2:	1.0727e+00	1.0702e+00	1e+00	3e-01	3e-16	4e-02
3:	1.2597e+00	1.2588e+00	3e-01	8e-02	6e-16	1e-02
4:	1.2846e+00	1.2844e+00	2e-02	7e-03	2e-15	8e-04
5:	1.2873e+00	1.2873e+00	3e-04	1e-04	1e-15	1e-05
6:	1.2873e+00	1.2873e+00	3e-06	1e-06	8e-16	1e-07
7:	1.2873e+00	1.2873e+00	3e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.7711e-01	6.7511e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8272e+00	1.8251e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9934e+00	1.9922e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9897e+00	1.9889e+00	7e-02	2e-02	7e-15	2e-03
5:	1.9999e+00	1.9999e+00	8e-04	2e-04	9e-16	2e-05
6:	2.0000e+00	2.0000e+00	8e-06	2e-06	1e-15	2e-07
7:	2.0000e+00	2.0000e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8860e-01	7.8606e-01	5e+00	1e+00	1e-16	2e-01
2:	1.9235e+00	1.9210e+00	2e+00	5e-01	7e-16	6e-02
3:	1.9528e+00	1.9500e+00	3e-01	9e-02	4e-15	8e-03
4:	1.9995e+00	1.9995e+00	3e-03	1e-03	6e-16	9e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.0667e-01	7.0445e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8082e+00	1.8065e+00	7e-01	2e-01	6e-16	2e-02
3:	1.9194e+00	1.9186e+00	1e-01	4e-02	2e-15	4e-03
4:	1.9400e+00	1.9399e+00	9e-03	3e-03	2e-15	2e-04
5:	1.9419e+00	1.9419e+00	1e-04	3e-05	1e-15	3e-06
6:	1.9419e+00	1.9419e+00	1e-06	3e-07	1e-15	3e-08
7:	1.9419e+00	1.9419e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.8270e-01	4.8075e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4020e+00	1.3997e+00	1e+00	3e-01	1e-15	4e-02
3:	1.5127e+00	1.5115e+00	2e-01	7e-02	1e-15	8e-03

4:	1.5537e+00	1.5534e+00	4e-02	1e-02	6e-16	1e-03
5:	1.5621e+00	1.5620e+00	7e-03	2e-03	8e-16	2e-04
6:	1.5632e+00	1.5632e+00	8e-05	3e-05	1e-15	3e-06
7:	1.5632e+00	1.5632e+00	8e-07	3e-07	8e-16	3e-08
8:	1.5632e+00	1.5632e+00	8e-09	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6237e-01	3.6025e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1631e+00	1.1610e+00	1e+00	3e-01	8e-16	3e-02
3:	1.2572e+00	1.2557e+00	4e-01	1e-01	7e-16	1e-02
4:	1.3305e+00	1.3301e+00	9e-02	3e-02	5e-16	3e-03
5:	1.3415e+00	1.3414e+00	1e-02	4e-03	2e-15	4e-04
6:	1.3438e+00	1.3438e+00	1e-04	4e-05	5e-16	4e-06
7:	1.3438e+00	1.3438e+00	1e-06	4e-07	5e-16	4e-08
8:	1.3438e+00	1.3438e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8675e-01	8.8351e-01	6e+00	2e+00	2e-16	2e-01
2:	1.6563e+00	1.6552e+00	1e+00	4e-01	3e-16	4e-02
3:	1.9799e+00	1.9795e+00	3e-01	9e-02	2e-15	8e-03
4:	1.9762e+00	1.9758e+00	1e-01	4e-02	4e-15	3e-03
5:	1.9997e+00	1.9997e+00	2e-03	5e-04	6e-16	4e-05
6:	2.0000e+00	2.0000e+00	2e-05	5e-06	1e-15	4e-07
7:	2.0000e+00	2.0000e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.5069e-01	8.4785e-01	5e+00	1e+00	1e-16	2e-01
2:	1.9278e+00	1.9262e+00	9e-01	3e-01	7e-16	3e-02
3:	1.9399e+00	1.9383e+00	3e-01	9e-02	7e-15	8e-03
4:	1.9994e+00	1.9994e+00	4e-03	1e-03	5e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	1e-15	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	9e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9458e-01	9.9138e-01	6e+00	2e+00	3e-16	2e-01
2:	1.9086e+00	1.9072e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9689e+00	1.9677e+00	3e-01	8e-02	1e-15	6e-03
4:	1.9997e+00	1.9997e+00	3e-03	9e-04	3e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	4e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	5.0939e-01	5.0715e-01	4e+00	1e+00	3e-16	2e-01
2:	1.4321e+00	1.4298e+00	1e+00	4e-01	2e-15	4e-02
3:	1.6660e+00	1.6652e+00	3e-01	9e-02	5e-16	1e-02
4:	1.7142e+00	1.7138e+00	1e-01	3e-02	2e-15	3e-03
5:	1.7207e+00	1.7206e+00	2e-02	6e-03	5e-15	5e-04
6:	1.7223e+00	1.7223e+00	8e-03	2e-03	3e-15	2e-04
7:	1.7234e+00	1.7234e+00	3e-03	1e-03	2e-15	9e-05
8:	1.7238e+00	1.7238e+00	4e-05	1e-05	4e-15	1e-06
9:	1.7238e+00	1.7238e+00	4e-07	1e-07	4e-15	1e-08
10:	1.7238e+00	1.7238e+00	4e-09	1e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0918e+00	1.0886e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6617e+00	2.6600e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8674e+00	2.8666e+00	3e-01	9e-02	2e-15	8e-03
4:	2.9063e+00	2.9060e+00	8e-02	3e-02	3e-15	2e-03
5:	2.9137e+00	2.9136e+00	2e-02	5e-03	3e-15	5e-04
6:	2.9159e+00	2.9158e+00	3e-03	1e-03	3e-15	9e-05
7:	2.9161e+00	2.9161e+00	3e-04	8e-05	1e-14	6e-06
8:	2.9162e+00	2.9162e+00	3e-06	8e-07	2e-15	7e-08
9:	2.9162e+00	2.9162e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1241e+00	1.1210e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4578e+00	2.4562e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6569e+00	2.6558e+00	4e-01	1e-01	1e-15	1e-02
4:	2.7196e+00	2.7190e+00	7e-02	2e-02	2e-15	2e-03
5:	2.7272e+00	2.7271e+00	1e-02	4e-03	2e-15	4e-04
6:	2.7297e+00	2.7297e+00	2e-03	8e-04	5e-16	6e-05
7:	2.7300e+00	2.7300e+00	2e-04	5e-05	4e-15	4e-06
8:	2.7300e+00	2.7300e+00	2e-06	5e-07	1e-15	4e-08
9:	2.7300e+00	2.7300e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1285e+00	1.1258e+00	5e+00	1e+00	2e-16	2e-01
2:	2.6218e+00	2.6197e+00	1e+00	4e-01	9e-16	5e-02
3:	2.8200e+00	2.8187e+00	5e-01	2e-01	1e-15	2e-02
4:	2.8894e+00	2.8891e+00	9e-02	3e-02	2e-15	3e-03
5:	2.9022e+00	2.9022e+00	5e-03	2e-03	2e-15	2e-04
6:	2.9027e+00	2.9027e+00	5e-05	2e-05	2e-15	2e-06
7:	2.9027e+00	2.9027e+00	5e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.5684e-01	3.5565e-01	3e+00	1e+00	2e-16	1e-01

2:	1.3367e+00	1.3342e+00	1e+00	3e-01	1e-15	4e-02
3:	1.5403e+00	1.5391e+00	2e-01	7e-02	7e-16	8e-03
4:	1.5636e+00	1.5633e+00	5e-02	1e-02	2e-15	2e-03
5:	1.5692e+00	1.5691e+00	9e-03	3e-03	4e-15	3e-04
6:	1.5707e+00	1.5707e+00	4e-04	1e-04	5e-15	1e-05
7:	1.5707e+00	1.5707e+00	4e-06	1e-06	8e-15	1e-07
8:	1.5707e+00	1.5707e+00	4e-08	1e-08	8e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3967e+00	1.3943e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6877e+00	2.6869e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9794e+00	2.9792e+00	2e-01	7e-02	9e-16	6e-03
4:	2.9898e+00	2.9897e+00	6e-02	2e-02	1e-14	2e-03
5:	2.9999e+00	2.9999e+00	6e-04	2e-04	3e-15	2e-05
6:	3.0000e+00	3.0000e+00	6e-06	2e-06	4e-15	2e-07
7:	3.0000e+00	3.0000e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.8025e-01	5.7774e-01	4e+00	1e+00	3e-16	2e-01
2:	1.5863e+00	1.5841e+00	1e+00	4e-01	6e-16	4e-02
3:	1.7553e+00	1.7545e+00	3e-01	9e-02	5e-16	1e-02
4:	1.7745e+00	1.7740e+00	7e-02	2e-02	2e-15	2e-03
5:	1.7854e+00	1.7853e+00	1e-02	4e-03	1e-15	4e-04
6:	1.7872e+00	1.7872e+00	2e-04	6e-05	1e-15	5e-06
7:	1.7872e+00	1.7872e+00	2e-06	6e-07	8e-16	5e-08
8:	1.7872e+00	1.7872e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.1849e-01	5.1631e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5680e+00	1.5658e+00	1e+00	3e-01	6e-16	4e-02
3:	1.7762e+00	1.7755e+00	2e-01	7e-02	8e-16	8e-03
4:	1.7944e+00	1.7943e+00	2e-02	7e-03	2e-15	7e-04
5:	1.7974e+00	1.7974e+00	1e-03	3e-04	2e-15	3e-05
6:	1.7976e+00	1.7976e+00	1e-05	3e-06	9e-16	3e-07
7:	1.7976e+00	1.7976e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0498e+00	1.0464e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1034e+00	2.1009e+00	1e+00	4e-01	1e-15	4e-02
3:	2.2967e+00	2.2958e+00	4e-01	1e-01	5e-16	1e-02
4:	2.3256e+00	2.3254e+00	6e-02	2e-02	1e-15	2e-03
5:	2.3362e+00	2.3361e+00	9e-03	3e-03	7e-16	3e-04
6:	2.3379e+00	2.3379e+00	2e-03	7e-04	3e-15	6e-05
7:	2.3381e+00	2.3381e+00	5e-05	1e-05	1e-14	1e-06



8: 2.3381e+00 2.3381e+00 5e-07 1e-07 2e-15 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.4212e-01	5.4013e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6109e+00	1.6087e+00	1e+00	3e-01	8e-16	4e-02
3:	1.7229e+00	1.7210e+00	3e-01	9e-02	2e-15	9e-03
4:	1.7584e+00	1.7579e+00	8e-02	2e-02	1e-15	2e-03
5:	1.7669e+00	1.7669e+00	6e-03	2e-03	1e-15	2e-04
6:	1.7674e+00	1.7674e+00	6e-05	2e-05	1e-15	2e-06
7:	1.7675e+00	1.7675e+00	6e-07	2e-07	2e-15	2e-08
8:	1.7675e+00	1.7675e+00	6e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4623e+00	1.4591e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7603e+00	2.7589e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9258e+00	2.9243e+00	5e-01	1e-01	4e-15	1e-02
4:	2.9881e+00	2.9877e+00	1e-01	4e-02	2e-15	4e-03
5:	2.9982e+00	2.9982e+00	1e-02	4e-03	1e-14	3e-04
6:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	3e-06
7:	3.0000e+00	3.0000e+00	1e-06	4e-07	1e-15	3e-08
8:	3.0000e+00	3.0000e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9664e-01	8.9352e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1006e+00	2.0986e+00	1e+00	4e-01	2e-15	4e-02
3:	2.2655e+00	2.2645e+00	3e-01	8e-02	2e-15	8e-03
4:	2.2931e+00	2.2927e+00	6e-02	2e-02	3e-15	2e-03
5:	2.3033e+00	2.3032e+00	9e-03	3e-03	1e-15	3e-04
6:	2.3046e+00	2.3046e+00	3e-04	9e-05	4e-15	8e-06
7:	2.3047e+00	2.3047e+00	3e-06	9e-07	2e-15	8e-08
8:	2.3047e+00	2.3047e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.7695e-01	8.7488e-01	4e+00	1e+00	2e-16	2e-01
2:	2.1981e+00	2.1957e+00	1e+00	4e-01	1e-15	5e-02
3:	2.2826e+00	2.2796e+00	4e-01	1e-01	2e-15	1e-02
4:	2.3582e+00	2.3576e+00	7e-02	2e-02	6e-16	2e-03
5:	2.3666e+00	2.3665e+00	1e-02	4e-03	8e-16	4e-04
6:	2.3693e+00	2.3693e+00	9e-04	3e-04	1e-15	2e-05
7:	2.3694e+00	2.3694e+00	9e-06	3e-06	1e-15	2e-07
8:	2.3694e+00	2.3694e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	8.3470e-01	8.3177e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1850e+00	2.1832e+00	1e+00	3e-01	2e-15	3e-02
3:	2.3402e+00	2.3395e+00	3e-01	9e-02	9e-16	9e-03
4:	2.3750e+00	2.3748e+00	4e-02	1e-02	2e-15	1e-03
5:	2.3803e+00	2.3803e+00	1e-03	4e-04	3e-15	4e-05
6:	2.3805e+00	2.3805e+00	1e-05	4e-06	4e-15	4e-07
7:	2.3805e+00	2.3805e+00	1e-07	4e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1899e+00	1.1865e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2779e+00	2.2766e+00	1e+00	3e-01	2e-15	3e-02
3:	2.4391e+00	2.4384e+00	3e-01	8e-02	1e-15	8e-03
4:	2.4952e+00	2.4949e+00	7e-02	2e-02	7e-16	2e-03
5:	2.5131e+00	2.5130e+00	2e-02	6e-03	6e-16	5e-04
6:	2.5165e+00	2.5165e+00	3e-03	1e-03	5e-15	9e-05
7:	2.5173e+00	2.5173e+00	4e-05	1e-05	8e-16	9e-07
8:	2.5173e+00	2.5173e+00	4e-07	1e-07	1e-15	9e-09
9:	2.5173e+00	2.5173e+00	4e-09	1e-09	9e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6513e-01	6.6221e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8442e+00	1.8419e+00	1e+00	4e-01	8e-16	5e-02
3:	2.0164e+00	2.0143e+00	5e-01	2e-01	8e-16	1e-02
4:	2.1202e+00	2.1196e+00	1e-01	3e-02	4e-16	3e-03
5:	2.1335e+00	2.1334e+00	1e-02	4e-03	1e-14	3e-04
6:	2.1356e+00	2.1356e+00	5e-04	1e-04	1e-14	1e-05
7:	2.1357e+00	2.1357e+00	5e-05	2e-05	2e-15	1e-06
8:	2.1357e+00	2.1357e+00	6e-07	2e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6493e+00	1.6492e+00	6e+00	2e+00	2e-16	1e-01
2:	2.3166e+00	2.3166e+00	1e+00	4e-01	2e-15	3e-02
3:	2.6869e+00	2.6869e+00	6e-01	2e-01	2e-15	1e-02
4:	2.7469e+00	2.7469e+00	2e-01	7e-02	5e-15	6e-03
5:	2.7912e+00	2.7912e+00	6e-02	2e-02	1e-15	2e-03
6:	2.8009e+00	2.8009e+00	5e-03	2e-03	2e-15	1e-04
7:	2.8017e+00	2.8017e+00	7e-05	2e-05	1e-15	2e-06
8:	2.8018e+00	2.8018e+00	9e-06	3e-06	5e-16	2e-07
9:	2.8018e+00	2.8018e+00	7e-07	2e-07	8e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2937e+00	1.2905e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6027e+00	2.6009e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8630e+00	2.8619e+00	5e-01	1e-01	2e-15	1e-02

4:	2.9270e+00	2.9265e+00	1e-01	4e-02	5e-15	4e-03
5:	2.9445e+00	2.9444e+00	9e-03	3e-03	2e-15	3e-04
6:	2.9460e+00	2.9460e+00	9e-05	3e-05	2e-15	3e-06
7:	2.9460e+00	2.9460e+00	9e-07	3e-07	1e-15	3e-08
8:	2.9460e+00	2.9460e+00	9e-09	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.1026e-01	2.0921e-01	3e+00	1e+00	2e-16	1e-01
2:	7.4399e-01	7.4143e-01	1e+00	4e-01	3e-16	4e-02
3:	8.7310e-01	8.7209e-01	2e-01	7e-02	6e-16	8e-03
4:	8.8865e-01	8.8837e-01	5e-02	1e-02	1e-15	2e-03
5:	8.9149e-01	8.9145e-01	6e-03	2e-03	8e-16	2e-04
6:	8.9225e-01	8.9225e-01	2e-04	5e-05	2e-15	5e-06
7:	8.9227e-01	8.9227e-01	2e-06	5e-07	7e-16	5e-08
8:	8.9227e-01	8.9227e-01	2e-08	5e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2318e+00	1.2286e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4704e+00	2.4692e+00	1e+00	4e-01	1e-15	3e-02
3:	2.7864e+00	2.7861e+00	2e-01	6e-02	6e-16	6e-03
4:	2.8340e+00	2.8339e+00	3e-02	9e-03	2e-15	8e-04
5:	2.8354e+00	2.8354e+00	1e-02	3e-03	6e-14	3e-04
6:	2.8378e+00	2.8378e+00	5e-04	2e-04	5e-15	1e-05
7:	2.8379e+00	2.8379e+00	5e-06	2e-06	2e-14	1e-07
8:	2.8379e+00	2.8379e+00	5e-08	2e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8280e-01	9.8008e-01	5e+00	1e+00	2e-16	2e-01
2:	2.6137e+00	2.6117e+00	1e+00	3e-01	1e-15	3e-02
3:	2.8370e+00	2.8364e+00	2e-01	7e-02	1e-15	7e-03
4:	2.8491e+00	2.8487e+00	6e-02	2e-02	4e-15	2e-03
5:	2.8588e+00	2.8588e+00	3e-03	1e-03	8e-15	9e-05
6:	2.8594e+00	2.8594e+00	3e-05	1e-05	2e-15	9e-07
7:	2.8594e+00	2.8594e+00	3e-07	1e-07	2e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2180e+00	1.2148e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5306e+00	2.5290e+00	1e+00	4e-01	1e-15	4e-02
3:	2.7471e+00	2.7467e+00	2e-01	6e-02	6e-16	6e-03
4:	2.7707e+00	2.7706e+00	3e-02	9e-03	3e-15	8e-04
5:	2.7764e+00	2.7764e+00	3e-04	1e-04	6e-16	9e-06
6:	2.7765e+00	2.7765e+00	3e-06	1e-06	6e-16	9e-08
7:	2.7765e+00	2.7765e+00	3e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.0956e-01	5.0793e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4629e+00	1.4606e+00	1e+00	4e-01	9e-16	4e-02
3:	1.5303e+00	1.5284e+00	3e-01	9e-02	1e-15	9e-03
4:	1.5836e+00	1.5833e+00	5e-02	1e-02	7e-16	1e-03
5:	1.5934e+00	1.5933e+00	6e-03	2e-03	2e-15	2e-04
6:	1.5940e+00	1.5940e+00	1e-03	3e-04	2e-15	3e-05
7:	1.5942e+00	1.5942e+00	3e-05	9e-06	1e-15	8e-07
8:	1.5942e+00	1.5942e+00	3e-07	9e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8908e-01	3.8762e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2933e+00	1.2912e+00	8e-01	3e-01	9e-16	3e-02
3:	1.4362e+00	1.4355e+00	2e-01	6e-02	9e-16	7e-03
4:	1.4543e+00	1.4540e+00	4e-02	1e-02	2e-15	1e-03
5:	1.4596e+00	1.4596e+00	1e-03	4e-04	2e-15	4e-05
6:	1.4598e+00	1.4598e+00	1e-05	4e-06	1e-15	4e-07
7:	1.4598e+00	1.4598e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6566e+00	1.6536e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8397e+00	2.8387e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9767e+00	2.9762e+00	3e-01	1e-01	3e-15	8e-03
4:	2.9996e+00	2.9996e+00	4e-03	1e-03	3e-15	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	2e-15	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	1e-15	1e-08
7:	3.0000e+00	3.0000e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.2866e-01	7.2681e-01	4e+00	1e+00	2e-16	1e-01
2:	2.0187e+00	2.0164e+00	1e+00	3e-01	8e-16	4e-02
3:	2.1525e+00	2.1511e+00	3e-01	9e-02	1e-15	9e-03
4:	2.2116e+00	2.2113e+00	6e-02	2e-02	8e-16	2e-03
5:	2.2182e+00	2.2182e+00	7e-03	2e-03	1e-14	2e-04
6:	2.2195e+00	2.2194e+00	8e-05	2e-05	3e-15	2e-06
7:	2.2195e+00	2.2195e+00	8e-07	2e-07	3e-15	2e-08
8:	2.2195e+00	2.2195e+00	8e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.4637e-01	4.4426e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4525e+00	1.4504e+00	8e-01	2e-01	2e-15	3e-02
3:	1.5548e+00	1.5539e+00	2e-01	5e-02	1e-15	5e-03
4:	1.5800e+00	1.5798e+00	3e-02	9e-03	1e-15	1e-03

5:	1.5834e+00	1.5834e+00	3e-04	1e-04	3e-15	1e-05
6:	1.5834e+00	1.5834e+00	3e-06	1e-06	2e-15	1e-07
7:	1.5834e+00	1.5834e+00	3e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.6696e-01	7.6367e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8165e+00	1.8142e+00	2e+00	5e-01	1e-15	5e-02
3:	2.0197e+00	2.0180e+00	4e-01	1e-01	7e-16	1e-02
4:	2.0841e+00	2.0837e+00	8e-02	2e-02	3e-16	2e-03
5:	2.1013e+00	2.1012e+00	3e-02	8e-03	4e-15	7e-04
6:	2.1046e+00	2.1046e+00	8e-03	2e-03	4e-15	2e-04
7:	2.1055e+00	2.1055e+00	6e-04	2e-04	5e-15	1e-05
8:	2.1056e+00	2.1056e+00	6e-06	2e-06	4e-15	2e-07
9:	2.1056e+00	2.1056e+00	6e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1424e+00	1.1400e+00	4e+00	1e+00	2e-16	2e-01
2:	2.7834e+00	2.7813e+00	1e+00	4e-01	6e-16	4e-02
3:	2.9933e+00	2.9922e+00	3e-01	1e-01	2e-15	1e-02
4:	2.9972e+00	2.9970e+00	2e-02	6e-03	5e-15	5e-04
5:	3.0000e+00	3.0000e+00	2e-04	6e-05	2e-15	5e-06
6:	3.0000e+00	3.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	3.0000e+00	3.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.7552e-01	3.7412e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2870e+00	1.2847e+00	8e-01	3e-01	7e-16	3e-02
3:	1.4200e+00	1.4194e+00	2e-01	5e-02	8e-16	6e-03
4:	1.4431e+00	1.4429e+00	2e-02	8e-03	5e-16	8e-04
5:	1.4450e+00	1.4450e+00	3e-03	9e-04	1e-14	9e-05
6:	1.4453e+00	1.4453e+00	5e-04	1e-04	6e-14	1e-05
7:	1.4453e+00	1.4453e+00	5e-06	1e-06	6e-15	1e-07
8:	1.4453e+00	1.4453e+00	5e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.7244e-01	7.6909e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8247e+00	1.8234e+00	9e-01	3e-01	7e-16	3e-02
3:	2.0883e+00	2.0880e+00	2e-01	6e-02	9e-16	5e-03
4:	2.1156e+00	2.1155e+00	3e-02	1e-02	7e-15	9e-04
5:	2.1232e+00	2.1232e+00	6e-04	2e-04	1e-15	2e-05
6:	2.1233e+00	2.1233e+00	6e-06	2e-06	7e-16	2e-07
7:	2.1233e+00	2.1233e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8294e-01	3.8121e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2291e+00	1.2268e+00	9e-01	3e-01	8e-16	3e-02
3:	1.2820e+00	1.2807e+00	2e-01	5e-02	7e-16	5e-03
4:	1.3150e+00	1.3148e+00	3e-02	1e-02	5e-16	1e-03
5:	1.3187e+00	1.3187e+00	1e-03	4e-04	2e-15	3e-05
6:	1.3188e+00	1.3188e+00	1e-05	4e-06	1e-15	3e-07
7:	1.3188e+00	1.3188e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0411e+00	1.0385e+00	5e+00	1e+00	2e-16	2e-01
2:	2.5645e+00	2.5625e+00	1e+00	4e-01	2e-15	4e-02
3:	2.6859e+00	2.6850e+00	3e-01	1e-01	1e-15	1e-02
4:	2.7026e+00	2.7023e+00	5e-02	2e-02	3e-15	2e-03
5:	2.7108e+00	2.7107e+00	9e-03	3e-03	9e-16	3e-04
6:	2.7119e+00	2.7119e+00	1e-04	3e-05	1e-15	3e-06
7:	2.7119e+00	2.7119e+00	1e-06	3e-07	1e-15	3e-08
8:	2.7119e+00	2.7119e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0115e+00	1.0086e+00	5e+00	1e+00	2e-16	2e-01
2:	2.1290e+00	2.1277e+00	8e-01	3e-01	1e-15	3e-02
3:	2.3414e+00	2.3406e+00	2e-01	7e-02	1e-15	7e-03
4:	2.3767e+00	2.3766e+00	4e-02	1e-02	4e-15	1e-03
5:	2.3834e+00	2.3834e+00	2e-03	7e-04	7e-15	7e-05
6:	2.3839e+00	2.3839e+00	2e-05	7e-06	2e-15	7e-07
7:	2.3839e+00	2.3839e+00	2e-07	7e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.7925e-01	4.7706e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5495e+00	1.5475e+00	9e-01	3e-01	1e-15	3e-02
3:	1.6794e+00	1.6785e+00	2e-01	7e-02	1e-15	8e-03
4:	1.7039e+00	1.7037e+00	4e-02	1e-02	2e-15	1e-03
5:	1.7091e+00	1.7091e+00	7e-03	2e-03	7e-16	2e-04
6:	1.7097e+00	1.7097e+00	3e-04	9e-05	7e-15	7e-06
7:	1.7097e+00	1.7097e+00	3e-06	9e-07	1e-15	8e-08
8:	1.7097e+00	1.7097e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1629e+00	1.1602e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9435e+00	1.9425e+00	1e+00	4e-01	1e-15	4e-02
3:	2.2346e+00	2.2341e+00	4e-01	1e-01	1e-15	1e-02
4:	2.3054e+00	2.3052e+00	9e-02	3e-02	1e-15	2e-03
5:	2.3288e+00	2.3288e+00	8e-03	2e-03	9e-16	2e-04

6:	2.3300e+00	2.3300e+00	3e-04	9e-05	6e-15	7e-06
7:	2.3300e+00	2.3300e+00	3e-06	9e-07	2e-15	7e-08
8:	2.3300e+00	2.3300e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6797e-01	4.6584e-01	4e+00	1e+00	3e-16	2e-01
2:	1.4218e+00	1.4197e+00	1e+00	3e-01	3e-16	4e-02
3:	1.5941e+00	1.5936e+00	2e-01	5e-02	6e-16	5e-03
4:	1.6028e+00	1.6024e+00	6e-02	2e-02	7e-15	2e-03
5:	1.6085e+00	1.6082e+00	4e-02	1e-02	5e-15	1e-03
6:	1.6138e+00	1.6138e+00	1e-03	3e-04	2e-15	3e-05
7:	1.6140e+00	1.6140e+00	1e-05	3e-06	7e-15	3e-07
8:	1.6140e+00	1.6140e+00	1e-07	3e-08	7e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9568e-01	8.9312e-01	5e+00	1e+00	2e-16	2e-01
2:	2.1554e+00	2.1533e+00	1e+00	4e-01	1e-15	4e-02
3:	2.3895e+00	2.3881e+00	5e-01	2e-01	7e-16	2e-02
4:	2.4326e+00	2.4320e+00	1e-01	4e-02	1e-15	4e-03
5:	2.4565e+00	2.4564e+00	2e-02	6e-03	1e-15	6e-04
6:	2.4595e+00	2.4595e+00	4e-04	1e-04	6e-15	1e-05
7:	2.4596e+00	2.4596e+00	4e-06	1e-06	2e-15	1e-07
8:	2.4596e+00	2.4596e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1278e+00	1.1244e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3865e+00	2.3852e+00	1e+00	3e-01	2e-15	3e-02
3:	2.6725e+00	2.6721e+00	3e-01	1e-01	1e-15	9e-03
4:	2.7125e+00	2.7124e+00	2e-02	8e-03	4e-15	7e-04
5:	2.7180e+00	2.7180e+00	6e-04	2e-04	2e-15	2e-05
6:	2.7181e+00	2.7181e+00	6e-06	2e-06	5e-16	2e-07
7:	2.7181e+00	2.7181e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3148e-01	9.2864e-01	5e+00	1e+00	2e-16	2e-01
2:	2.0712e+00	2.0695e+00	1e+00	3e-01	1e-15	4e-02
3:	2.3365e+00	2.3359e+00	2e-01	6e-02	1e-15	6e-03
4:	2.3506e+00	2.3505e+00	2e-02	7e-03	4e-15	7e-04
5:	2.3553e+00	2.3553e+00	5e-04	2e-04	8e-16	2e-05
6:	2.3554e+00	2.3554e+00	5e-06	2e-06	8e-16	2e-07
7:	2.3554e+00	2.3554e+00	5e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	7.3492e-01	7.3223e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7602e+00	1.7584e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9011e+00	1.9003e+00	3e-01	1e-01	8e-16	1e-02
4:	1.9323e+00	1.9321e+00	7e-02	2e-02	6e-16	2e-03
5:	1.9358e+00	1.9357e+00	1e-02	3e-03	1e-15	3e-04
6:	1.9372e+00	1.9372e+00	8e-04	3e-04	2e-15	2e-05
7:	1.9373e+00	1.9373e+00	8e-06	3e-06	1e-15	2e-07
8:	1.9373e+00	1.9373e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.6420e-01	3.6275e-01	4e+00	1e+00	2e-16	1e-01
2:	1.1321e+00	1.1296e+00	1e+00	4e-01	1e-15	4e-02
3:	1.2463e+00	1.2452e+00	3e-01	1e-01	1e-15	1e-02
4:	1.3073e+00	1.3069e+00	9e-02	3e-02	4e-16	3e-03
5:	1.3189e+00	1.3188e+00	6e-03	2e-03	2e-15	2e-04
6:	1.3201e+00	1.3201e+00	7e-05	2e-05	8e-16	2e-06
7:	1.3201e+00	1.3201e+00	7e-07	2e-07	4e-16	2e-08
8:	1.3201e+00	1.3201e+00	7e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2103e+00	1.2070e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4211e+00	2.4189e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5090e+00	2.5079e+00	3e-01	9e-02	2e-15	8e-03
4:	2.5711e+00	2.5708e+00	8e-02	2e-02	2e-15	2e-03
5:	2.5800e+00	2.5800e+00	7e-03	2e-03	2e-15	2e-04
6:	2.5816e+00	2.5816e+00	6e-04	2e-04	7e-16	2e-05
7:	2.5817e+00	2.5817e+00	6e-06	2e-06	2e-15	2e-07
8:	2.5817e+00	2.5817e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2428e+00	1.2395e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4606e+00	2.4590e+00	2e+00	5e-01	1e-15	5e-02
3:	2.8560e+00	2.8556e+00	4e-01	1e-01	8e-16	1e-02
4:	2.9254e+00	2.9251e+00	1e-01	3e-02	4e-15	3e-03
5:	2.9460e+00	2.9460e+00	5e-03	1e-03	3e-15	1e-04
6:	2.9470e+00	2.9470e+00	5e-05	1e-05	3e-15	1e-06
7:	2.9470e+00	2.9470e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.2107e-01	5.1921e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6490e+00	1.6469e+00	8e-01	3e-01	8e-16	3e-02
3:	1.8591e+00	1.8586e+00	2e-01	5e-02	7e-16	6e-03
4:	1.8644e+00	1.8638e+00	6e-02	2e-02	4e-15	2e-03
5:	1.8770e+00	1.8770e+00	8e-04	2e-04	8e-16	2e-05



6:	1.8772e+00	1.8772e+00	8e-06	2e-06	1e-15	2e-07
7:	1.8772e+00	1.8772e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0256e-01	5.0005e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6149e+00	1.6131e+00	8e-01	3e-01	4e-16	3e-02
3:	1.7952e+00	1.7942e+00	3e-01	8e-02	7e-16	8e-03
4:	1.8174e+00	1.8172e+00	4e-02	1e-02	2e-15	1e-03
5:	1.8216e+00	1.8216e+00	9e-04	3e-04	2e-15	3e-05
6:	1.8217e+00	1.8217e+00	9e-06	3e-06	1e-15	3e-07
7:	1.8217e+00	1.8217e+00	9e-08	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.1340e-01	2.1212e-01	3e+00	1e+00	2e-16	1e-01
2:	9.0581e-01	9.0349e-01	7e-01	2e-01	8e-16	3e-02
3:	1.0134e+00	1.0130e+00	9e-02	3e-02	7e-16	3e-03
4:	1.0258e+00	1.0257e+00	5e-03	2e-03	7e-16	2e-04
5:	1.0266e+00	1.0266e+00	6e-05	2e-05	5e-15	2e-06
6:	1.0266e+00	1.0266e+00	6e-07	2e-07	4e-15	2e-08
7:	1.0266e+00	1.0266e+00	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2783e-01	8.2469e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1678e+00	2.1658e+00	1e+00	4e-01	1e-15	4e-02
3:	2.4000e+00	2.3994e+00	3e-01	8e-02	7e-16	8e-03
4:	2.4285e+00	2.4283e+00	4e-02	1e-02	4e-15	1e-03
5:	2.4345e+00	2.4345e+00	4e-04	1e-04	1e-15	1e-05
6:	2.4346e+00	2.4346e+00	4e-06	1e-06	9e-16	1e-07
7:	2.4346e+00	2.4346e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.5167e-01	8.4871e-01	5e+00	2e+00	3e-16	2e-01
2:	2.2041e+00	2.2017e+00	2e+00	5e-01	1e-15	5e-02
3:	2.3592e+00	2.3565e+00	5e-01	1e-01	1e-15	1e-02
4:	2.4169e+00	2.4165e+00	7e-02	2e-02	5e-16	2e-03
5:	2.4289e+00	2.4288e+00	1e-02	5e-03	1e-15	4e-04
6:	2.4319e+00	2.4319e+00	1e-03	4e-04	3e-15	4e-05
7:	2.4322e+00	2.4322e+00	2e-05	5e-06	1e-15	4e-07
8:	2.4322e+00	2.4322e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.0028e-01	5.9799e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6341e+00	1.6319e+00	1e+00	4e-01	8e-16	4e-02

3:	1.7386e+00	1.7354e+00	4e-01	1e-01	2e-15	1e-02
4:	1.8011e+00	1.8001e+00	1e-01	4e-02	9e-16	4e-03
5:	1.8159e+00	1.8157e+00	2e-02	6e-03	1e-15	5e-04
6:	1.8196e+00	1.8196e+00	2e-03	5e-04	1e-15	5e-05
7:	1.8198e+00	1.8198e+00	2e-05	5e-06	2e-15	5e-07
8:	1.8198e+00	1.8198e+00	2e-07	5e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8964e+00	1.8941e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9903e+00	2.9893e+00	1e+00	4e-01	2e-15	4e-02
3:	3.2834e+00	3.2831e+00	3e-01	1e-01	2e-15	9e-03
4:	3.3037e+00	3.3035e+00	2e-01	6e-02	1e-15	5e-03
5:	3.3364e+00	3.3364e+00	4e-02	1e-02	1e-15	9e-04
6:	3.3437e+00	3.3437e+00	4e-03	1e-03	7e-15	1e-04
7:	3.3445e+00	3.3445e+00	4e-05	1e-05	6e-16	1e-06
8:	3.3445e+00	3.3445e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9689e+00	1.9656e+00	5e+00	2e+00	3e-16	2e-01
2:	3.4515e+00	3.4497e+00	2e+00	6e-01	2e-15	5e-02
3:	3.7080e+00	3.7072e+00	3e-01	1e-01	3e-15	1e-02
4:	3.7951e+00	3.7950e+00	4e-02	1e-02	1e-15	1e-03
5:	3.8038e+00	3.8038e+00	8e-04	3e-04	3e-15	2e-05
6:	3.8039e+00	3.8039e+00	8e-06	3e-06	3e-15	2e-07
7:	3.8039e+00	3.8039e+00	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0619e+00	1.0588e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3946e+00	2.3923e+00	2e+00	5e-01	1e-15	5e-02
3:	2.6054e+00	2.6042e+00	4e-01	1e-01	1e-15	1e-02
4:	2.6355e+00	2.6352e+00	8e-02	2e-02	2e-15	2e-03
5:	2.6497e+00	2.6496e+00	2e-02	5e-03	3e-15	5e-04
6:	2.6523e+00	2.6523e+00	1e-03	4e-04	3e-15	3e-05
7:	2.6524e+00	2.6524e+00	1e-05	4e-06	2e-15	3e-07
8:	2.6524e+00	2.6524e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6240e+00	1.6209e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0301e+00	3.0291e+00	9e-01	3e-01	2e-15	2e-02
3:	3.1698e+00	3.1693e+00	3e-01	9e-02	2e-15	8e-03
4:	3.2337e+00	3.2336e+00	7e-02	2e-02	1e-15	2e-03
5:	3.2428e+00	3.2428e+00	1e-02	4e-03	7e-15	3e-04
6:	3.2451e+00	3.2451e+00	1e-04	4e-05	2e-15	3e-06
7:	3.2451e+00	3.2451e+00	1e-06	4e-07	2e-15	3e-08

8: 3.2451e+00 3.2451e+00 1e-08 4e-09 1e-15 3e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.2634e-01	5.2446e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4555e+00	1.4531e+00	1e+00	4e-01	9e-16	5e-02
3:	1.6307e+00	1.6298e+00	2e-01	7e-02	9e-16	8e-03
4:	1.6601e+00	1.6599e+00	5e-02	2e-02	2e-15	2e-03
5:	1.6657e+00	1.6657e+00	7e-03	2e-03	2e-15	2e-04
6:	1.6663e+00	1.6663e+00	7e-05	2e-05	2e-15	2e-06
7:	1.6663e+00	1.6663e+00	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6560e+00	1.6534e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6293e+00	2.6275e+00	2e+00	7e-01	3e-15	6e-02
3:	3.3335e+00	3.3330e+00	6e-01	2e-01	1e-15	2e-02
4:	3.4656e+00	3.4654e+00	1e-01	4e-02	2e-15	3e-03
5:	3.4732e+00	3.4731e+00	6e-02	2e-02	4e-15	2e-03
6:	3.4844e+00	3.4844e+00	5e-03	1e-03	2e-15	1e-04
7:	3.4855e+00	3.4855e+00	6e-05	2e-05	8e-16	1e-06
8:	3.4856e+00	3.4856e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.7806e-01	7.7502e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7418e+00	1.7396e+00	2e+00	5e-01	6e-16	5e-02
3:	1.8593e+00	1.8578e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9173e+00	1.9170e+00	5e-02	2e-02	7e-16	2e-03
5:	1.9281e+00	1.9281e+00	7e-03	2e-03	7e-16	2e-04
6:	1.9292e+00	1.9292e+00	1e-03	5e-04	2e-15	4e-05
7:	1.9296e+00	1.9296e+00	2e-05	5e-06	8e-16	4e-07
8:	1.9296e+00	1.9296e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6194e+00	1.6163e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6862e+00	2.6853e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9350e+00	2.9347e+00	2e-01	7e-02	1e-15	6e-03
4:	2.9935e+00	2.9934e+00	8e-02	3e-02	9e-16	2e-03
5:	3.0093e+00	3.0092e+00	1e-02	3e-03	2e-15	3e-04
6:	3.0111e+00	3.0111e+00	2e-04	7e-05	1e-14	5e-06
7:	3.0111e+00	3.0111e+00	2e-06	7e-07	1e-14	5e-08
8:	3.0111e+00	3.0111e+00	2e-08	7e-09	8e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.6486e-01	6.6258e-01	4e+00	1e+00	1e-16	2e-01

2:	1.8253e+00	1.8232e+00	1e+00	4e-01	2e-15	4e-02
3:	2.0260e+00	2.0253e+00	3e-01	1e-01	1e-15	1e-02
4:	2.0348e+00	2.0338e+00	9e-02	3e-02	6e-15	2e-03
5:	2.0515e+00	2.0514e+00	6e-03	2e-03	6e-16	1e-04
6:	2.0528e+00	2.0528e+00	8e-05	3e-05	6e-16	2e-06
7:	2.0528e+00	2.0528e+00	8e-07	3e-07	4e-16	2e-08
8:	2.0528e+00	2.0528e+00	8e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.6219e-01	1.6159e-01	3e+00	8e-01	2e-16	1e-01
2:	8.7611e-01	8.7381e-01	5e-01	2e-01	7e-16	2e-02
3:	9.1832e-01	9.1733e-01	1e-01	3e-02	1e-15	4e-03
4:	9.3394e-01	9.3388e-01	7e-03	2e-03	7e-16	2e-04
5:	9.3470e-01	9.3470e-01	7e-05	2e-05	7e-16	2e-06
6:	9.3471e-01	9.3471e-01	7e-07	2e-07	5e-16	2e-08
7:	9.3471e-01	9.3471e-01	7e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1667e+00	2.1636e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8356e+00	3.8343e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9741e+00	3.9736e+00	2e-01	6e-02	2e-15	5e-03
4:	3.9997e+00	3.9997e+00	2e-03	7e-04	1e-15	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	7e-06	7e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1113e+00	2.1117e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3180e+00	3.3180e+00	1e+00	3e-01	1e-15	3e-02
3:	3.5719e+00	3.5719e+00	1e-01	5e-02	7e-16	4e-03
4:	3.6105e+00	3.6105e+00	1e-02	4e-03	1e-15	3e-04
5:	3.6126e+00	3.6126e+00	1e-04	4e-05	4e-15	3e-06
6:	3.6126e+00	3.6126e+00	1e-06	4e-07	3e-15	3e-08
7:	3.6126e+00	3.6126e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6275e+00	1.6246e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0295e+00	3.0282e+00	2e+00	5e-01	2e-15	5e-02
3:	3.2798e+00	3.2792e+00	4e-01	1e-01	1e-15	1e-02
4:	3.3267e+00	3.3265e+00	9e-02	3e-02	9e-16	2e-03
5:	3.3441e+00	3.3441e+00	1e-02	4e-03	8e-16	3e-04
6:	3.3459e+00	3.3459e+00	2e-04	5e-05	2e-15	4e-06
7:	3.3459e+00	3.3459e+00	2e-06	5e-07	2e-15	4e-08
8:	3.3459e+00	3.3459e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9091e-01	7.8777e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7214e+00	1.7197e+00	1e+00	3e-01	3e-15	4e-02
3:	1.9743e+00	1.9737e+00	3e-01	8e-02	6e-16	8e-03
4:	2.0098e+00	2.0097e+00	2e-02	7e-03	1e-15	7e-04
5:	2.0138e+00	2.0138e+00	3e-04	8e-05	6e-16	7e-06
6:	2.0138e+00	2.0138e+00	3e-06	8e-07	5e-16	7e-08
7:	2.0138e+00	2.0138e+00	3e-08	8e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4710e+00	1.4679e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7031e+00	2.7022e+00	1e+00	3e-01	8e-16	3e-02
3:	2.9439e+00	2.9432e+00	4e-01	1e-01	1e-15	1e-02
4:	3.0374e+00	3.0372e+00	1e-01	3e-02	3e-15	3e-03
5:	3.0514e+00	3.0513e+00	1e-02	5e-03	2e-14	4e-04
6:	3.0544e+00	3.0544e+00	1e-03	5e-04	2e-15	4e-05
7:	3.0546e+00	3.0546e+00	3e-05	1e-05	5e-15	8e-07
8:	3.0546e+00	3.0546e+00	3e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0622e+00	1.0594e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7378e+00	2.7357e+00	1e+00	4e-01	3e-15	4e-02
3:	2.8255e+00	2.8241e+00	3e-01	1e-01	2e-15	1e-02
4:	2.8538e+00	2.8536e+00	5e-02	2e-02	2e-15	1e-03
5:	2.8620e+00	2.8620e+00	1e-03	4e-04	8e-16	4e-05
6:	2.8622e+00	2.8622e+00	1e-05	4e-06	9e-16	4e-07
7:	2.8622e+00	2.8622e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	4.5355e-01	4.5258e-01	3e+00	1e+00	2e-16	1e-01
2:	1.6051e+00	1.6027e+00	9e-01	3e-01	1e-15	4e-02
3:	1.7546e+00	1.7529e+00	3e-01	8e-02	2e-15	9e-03
4:	1.7909e+00	1.7907e+00	3e-02	8e-03	1e-15	9e-04
5:	1.7943e+00	1.7943e+00	8e-04	2e-04	6e-15	3e-05
6:	1.7945e+00	1.7945e+00	8e-06	2e-06	1e-15	3e-07
7:	1.7945e+00	1.7945e+00	8e-08	2e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.4748e-01	6.4594e-01	4e+00	1e+00	2e-16	1e-01
2:	1.9756e+00	1.9734e+00	9e-01	3e-01	8e-16	3e-02
3:	2.0857e+00	2.0846e+00	3e-01	8e-02	2e-15	9e-03
4:	2.1381e+00	2.1379e+00	6e-02	2e-02	2e-15	2e-03
5:	2.1419e+00	2.1417e+00	2e-02	5e-03	2e-14	5e-04

6:	2.1444e+00	2.1444e+00	9e-04	3e-04	2e-15	3e-05
7:	2.1445e+00	2.1445e+00	9e-06	3e-06	1e-14	3e-07
8:	2.1445e+00	2.1445e+00	9e-08	3e-08	8e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6505e+00	1.6471e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1137e+00	3.1119e+00	2e+00	5e-01	1e-15	5e-02
3:	3.4824e+00	3.4814e+00	6e-01	2e-01	2e-15	2e-02
4:	3.5300e+00	3.5295e+00	2e-01	5e-02	4e-15	4e-03
5:	3.5627e+00	3.5624e+00	5e-02	2e-02	1e-15	1e-03
6:	3.5690e+00	3.5689e+00	8e-03	3e-03	2e-15	2e-04
7:	3.5705e+00	3.5705e+00	9e-05	3e-05	1e-15	2e-06
8:	3.5705e+00	3.5705e+00	9e-07	3e-07	9e-16	2e-08
9:	3.5705e+00	3.5705e+00	9e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0279e+00	1.0247e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4380e+00	2.4364e+00	1e+00	3e-01	1e-15	3e-02
3:	2.7174e+00	2.7169e+00	2e-01	6e-02	1e-15	5e-03
4:	2.7415e+00	2.7412e+00	4e-02	1e-02	1e-14	1e-03
5:	2.7470e+00	2.7469e+00	1e-02	4e-03	4e-15	3e-04
6:	2.7484e+00	2.7484e+00	9e-03	3e-03	4e-15	2e-04
7:	2.7498e+00	2.7498e+00	2e-04	8e-05	1e-14	6e-06
8:	2.7498e+00	2.7498e+00	2e-06	8e-07	2e-14	6e-08
9:	2.7498e+00	2.7498e+00	2e-08	8e-09	9e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.2608e-01	6.2324e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8274e+00	1.8257e+00	9e-01	3e-01	8e-16	3e-02
3:	1.9904e+00	1.9899e+00	1e-01	3e-02	7e-16	3e-03
4:	2.0060e+00	2.0059e+00	7e-03	2e-03	2e-15	2e-04
5:	2.0075e+00	2.0075e+00	7e-05	2e-05	8e-16	2e-06
6:	2.0075e+00	2.0075e+00	7e-07	2e-07	3e-16	2e-08
7:	2.0075e+00	2.0075e+00	7e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2605e+00	1.2572e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7071e+00	2.7054e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8560e+00	2.8553e+00	2e-01	5e-02	1e-15	5e-03
4:	2.8981e+00	2.8979e+00	4e-02	1e-02	5e-16	1e-03
5:	2.9017e+00	2.9017e+00	8e-03	3e-03	5e-15	2e-04
6:	2.9032e+00	2.9032e+00	9e-05	3e-05	8e-16	2e-06
7:	2.9032e+00	2.9032e+00	9e-07	3e-07	1e-15	2e-08
8:	2.9032e+00	2.9032e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7810e-01	8.7541e-01	5e+00	1e+00	2e-16	2e-01
2:	2.4696e+00	2.4676e+00	9e-01	3e-01	9e-16	3e-02
3:	2.6717e+00	2.6710e+00	2e-01	7e-02	6e-16	8e-03
4:	2.6913e+00	2.6909e+00	7e-02	2e-02	5e-15	2e-03
5:	2.7002e+00	2.7001e+00	7e-03	2e-03	8e-15	2e-04
6:	2.7012e+00	2.7012e+00	1e-03	4e-04	3e-14	3e-05
7:	2.7014e+00	2.7014e+00	1e-05	4e-06	3e-15	4e-07
8:	2.7014e+00	2.7014e+00	1e-07	4e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1453e-01	5.1195e-01	5e+00	1e+00	1e-16	2e-01
2:	1.3420e+00	1.3399e+00	1e+00	3e-01	2e-15	3e-02
3:	1.4885e+00	1.4877e+00	3e-01	8e-02	3e-16	8e-03
4:	1.5221e+00	1.5220e+00	2e-02	5e-03	8e-16	5e-04
5:	1.5240e+00	1.5240e+00	8e-04	3e-04	1e-14	2e-05
6:	1.5241e+00	1.5241e+00	1e-05	3e-06	2e-14	3e-07
7:	1.5241e+00	1.5241e+00	1e-07	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7693e-01	6.7406e-01	5e+00	2e+00	2e-16	2e-01
2:	1.6394e+00	1.6378e+00	9e-01	3e-01	3e-15	3e-02
3:	1.8310e+00	1.8304e+00	2e-01	7e-02	1e-15	7e-03
4:	1.8500e+00	1.8498e+00	4e-02	1e-02	2e-15	1e-03
5:	1.8552e+00	1.8552e+00	5e-04	2e-04	5e-16	2e-05
6:	1.8553e+00	1.8553e+00	5e-06	2e-06	1e-15	2e-07
7:	1.8553e+00	1.8553e+00	5e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8644e+00	1.8611e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8019e+00	3.8004e+00	1e+00	4e-01	2e-15	3e-02
3:	3.8964e+00	3.8955e+00	2e-01	6e-02	2e-15	5e-03
4:	3.9292e+00	3.9290e+00	3e-02	9e-03	2e-15	7e-04
5:	3.9347e+00	3.9347e+00	9e-03	3e-03	2e-15	2e-04
6:	3.9348e+00	3.9347e+00	7e-03	2e-03	9e-15	2e-04
7:	3.9362e+00	3.9362e+00	1e-04	4e-05	2e-15	3e-06
8:	3.9362e+00	3.9362e+00	1e-06	4e-07	2e-15	3e-08
9:	3.9362e+00	3.9362e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3691e+00	1.3658e+00	6e+00	2e+00	2e-16	2e-01
2:	2.3768e+00	2.3746e+00	2e+00	5e-01	2e-15	5e-02

3:	2.6491e+00	2.6483e+00	5e-01	1e-01	8e-16	1e-02
4:	2.7390e+00	2.7387e+00	7e-02	2e-02	9e-16	2e-03
5:	2.7463e+00	2.7463e+00	8e-03	2e-03	2e-15	2e-04
6:	2.7469e+00	2.7469e+00	5e-04	2e-04	5e-14	1e-05
7:	2.7470e+00	2.7470e+00	5e-06	2e-06	7e-15	1e-07
8:	2.7470e+00	2.7470e+00	5e-08	2e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1854e+00	1.1823e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7583e+00	2.7561e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9281e+00	2.9268e+00	3e-01	9e-02	1e-15	8e-03
4:	2.9834e+00	2.9831e+00	6e-02	2e-02	5e-16	2e-03
5:	2.9974e+00	2.9974e+00	2e-03	7e-04	2e-15	6e-05
6:	2.9979e+00	2.9979e+00	2e-05	7e-06	6e-16	6e-07
7:	2.9979e+00	2.9979e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9495e+00	1.9470e+00	6e+00	2e+00	3e-16	2e-01
2:	3.4731e+00	3.4720e+00	2e+00	5e-01	1e-15	4e-02
3:	3.7837e+00	3.7833e+00	4e-01	1e-01	2e-15	1e-02
4:	3.8724e+00	3.8723e+00	1e-01	4e-02	3e-15	4e-03
5:	3.8789e+00	3.8787e+00	5e-02	2e-02	1e-14	1e-03
6:	3.8863e+00	3.8863e+00	2e-02	5e-03	4e-15	4e-04
7:	3.8893e+00	3.8893e+00	2e-04	6e-05	2e-15	5e-06
8:	3.8893e+00	3.8893e+00	2e-06	6e-07	3e-15	5e-08
9:	3.8893e+00	3.8893e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6975e-01	9.6661e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2568e+00	2.2551e+00	1e+00	4e-01	1e-15	4e-02
3:	2.4393e+00	2.4385e+00	4e-01	1e-01	2e-15	1e-02
4:	2.4972e+00	2.4969e+00	1e-01	3e-02	1e-15	3e-03
5:	2.5118e+00	2.5118e+00	3e-03	9e-04	8e-16	8e-05
6:	2.5122e+00	2.5122e+00	3e-05	9e-06	1e-15	8e-07
7:	2.5122e+00	2.5122e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7925e-01	8.7597e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8383e+00	1.8362e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9421e+00	1.9399e+00	4e-01	1e-01	1e-15	1e-02
4:	2.0135e+00	2.0129e+00	1e-01	3e-02	4e-16	3e-03
5:	2.0336e+00	2.0335e+00	2e-02	5e-03	1e-15	4e-04
6:	2.0381e+00	2.0381e+00	3e-03	9e-04	1e-15	8e-05
7:	2.0384e+00	2.0384e+00	6e-04	2e-04	1e-14	2e-05



8:	2.0385e+00	2.0385e+00	7e-06	2e-06	7e-15	2e-07
9:	2.0385e+00	2.0385e+00	7e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2099e+00	2.2084e+00	6e+00	2e+00	3e-16	2e-01
2:	3.5329e+00	3.5323e+00	1e+00	4e-01	2e-15	3e-02
3:	3.8107e+00	3.8105e+00	3e-01	1e-01	1e-15	8e-03
4:	3.8519e+00	3.8518e+00	1e-01	3e-02	3e-15	3e-03
5:	3.8743e+00	3.8743e+00	3e-02	9e-03	2e-15	7e-04
6:	3.8786e+00	3.8786e+00	2e-03	6e-04	6e-15	5e-05
7:	3.8789e+00	3.8789e+00	2e-05	6e-06	1e-15	5e-07
8:	3.8789e+00	3.8789e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4270e+00	1.4236e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9425e+00	2.9405e+00	2e+00	6e-01	2e-15	5e-02
3:	3.2141e+00	3.2126e+00	4e-01	1e-01	2e-15	1e-02
4:	3.2859e+00	3.2857e+00	6e-02	2e-02	8e-16	2e-03
5:	3.2949e+00	3.2949e+00	5e-03	1e-03	5e-15	1e-04
6:	3.2958e+00	3.2958e+00	5e-05	2e-05	8e-16	1e-06
7:	3.2958e+00	3.2958e+00	5e-07	2e-07	9e-16	1e-08
8:	3.2958e+00	3.2958e+00	5e-09	2e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.4619e-01	4.4393e-01	4e+00	1e+00	1e-16	2e-01
2:	1.4054e+00	1.4033e+00	1e+00	3e-01	9e-16	3e-02
3:	1.4332e+00	1.4301e+00	6e-01	2e-01	2e-15	2e-02
4:	1.5095e+00	1.5089e+00	9e-02	3e-02	7e-16	3e-03
5:	1.5294e+00	1.5292e+00	3e-02	8e-03	5e-16	8e-04
6:	1.5324e+00	1.5323e+00	5e-03	1e-03	2e-15	1e-04
7:	1.5333e+00	1.5333e+00	7e-05	2e-05	5e-16	2e-06
8:	1.5333e+00	1.5333e+00	7e-07	2e-07	7e-16	2e-08
9:	1.5333e+00	1.5333e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4811e+00	1.4777e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8242e+00	2.8227e+00	1e+00	4e-01	2e-15	4e-02
3:	3.0167e+00	3.0161e+00	2e-01	7e-02	3e-15	6e-03
4:	3.0557e+00	3.0557e+00	2e-02	6e-03	1e-15	5e-04
5:	3.0596e+00	3.0596e+00	2e-04	6e-05	6e-16	6e-06
6:	3.0597e+00	3.0597e+00	2e-06	6e-07	7e-16	6e-08
7:	3.0597e+00	3.0597e+00	2e-08	6e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1353e-01	9.1102e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0937e+00	2.0917e+00	1e+00	4e-01	7e-16	4e-02
3:	2.3310e+00	2.3298e+00	2e-01	8e-02	2e-15	8e-03
4:	2.3683e+00	2.3680e+00	4e-02	1e-02	2e-15	1e-03
5:	2.3731e+00	2.3731e+00	5e-04	1e-04	5e-15	1e-05
6:	2.3732e+00	2.3732e+00	5e-06	1e-06	3e-15	1e-07
7:	2.3732e+00	2.3732e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4654e+00	1.4626e+00	6e+00	2e+00	3e-16	2e-01
2:	2.6528e+00	2.6516e+00	1e+00	4e-01	5e-15	3e-02
3:	2.9478e+00	2.9473e+00	4e-01	1e-01	2e-15	1e-02
4:	3.0164e+00	3.0162e+00	1e-01	3e-02	2e-15	3e-03
5:	3.0394e+00	3.0393e+00	3e-02	9e-03	2e-15	8e-04
6:	3.0447e+00	3.0447e+00	4e-04	1e-04	9e-15	1e-05
7:	3.0448e+00	3.0448e+00	4e-06	1e-06	3e-15	1e-07
8:	3.0448e+00	3.0448e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4091e+00	1.4061e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3565e+00	3.3547e+00	1e+00	3e-01	1e-15	3e-02
3:	3.5679e+00	3.5670e+00	2e-01	6e-02	2e-15	6e-03
4:	3.5899e+00	3.5896e+00	5e-02	2e-02	1e-14	1e-03
5:	3.5949e+00	3.5949e+00	2e-03	8e-04	9e-15	6e-05
6:	3.5953e+00	3.5953e+00	2e-05	8e-06	4e-15	7e-07
7:	3.5953e+00	3.5953e+00	2e-07	8e-08	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5554e+00	1.5521e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9418e+00	2.9400e+00	1e+00	4e-01	4e-15	4e-02
3:	3.1280e+00	3.1275e+00	3e-01	9e-02	1e-15	8e-03
4:	3.2027e+00	3.2025e+00	9e-02	3e-02	6e-16	2e-03
5:	3.2146e+00	3.2146e+00	2e-02	6e-03	5e-15	5e-04
6:	3.2188e+00	3.2188e+00	2e-04	7e-05	8e-16	6e-06
7:	3.2188e+00	3.2188e+00	2e-06	7e-07	1e-15	6e-08
8:	3.2188e+00	3.2188e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1268e+00	1.1238e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6836e+00	2.6820e+00	9e-01	3e-01	1e-15	3e-02
3:	2.8109e+00	2.8099e+00	3e-01	1e-01	2e-15	1e-02
4:	2.8409e+00	2.8406e+00	6e-02	2e-02	5e-15	2e-03
5:	2.8485e+00	2.8485e+00	1e-03	3e-04	9e-16	3e-05

6:	2.8486e+00	2.8486e+00	1e-05	3e-06	1e-15	3e-07
7:	2.8486e+00	2.8486e+00	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0296e+00	2.0263e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5631e+00	3.5616e+00	2e+00	5e-01	1e-15	5e-02
3:	3.8055e+00	3.8047e+00	4e-01	1e-01	5e-15	1e-02
4:	3.9017e+00	3.9013e+00	1e-01	4e-02	2e-15	4e-03
5:	3.9272e+00	3.9271e+00	1e-02	5e-03	4e-15	4e-04
6:	3.9299e+00	3.9299e+00	2e-04	5e-05	8e-16	4e-06
7:	3.9299e+00	3.9299e+00	2e-06	5e-07	8e-16	4e-08
8:	3.9299e+00	3.9299e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7649e+00	1.7616e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0354e+00	3.0335e+00	2e+00	5e-01	3e-15	4e-02
3:	3.1932e+00	3.1928e+00	3e-01	9e-02	3e-15	9e-03
4:	3.2332e+00	3.2331e+00	4e-02	1e-02	2e-15	1e-03
5:	3.2443e+00	3.2442e+00	9e-03	3e-03	1e-15	2e-04
6:	3.2455e+00	3.2455e+00	4e-04	1e-04	7e-15	1e-05
7:	3.2456e+00	3.2456e+00	4e-06	1e-06	8e-16	1e-07
8:	3.2456e+00	3.2456e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6012e+00	1.5979e+00	5e+00	2e+00	3e-16	2e-01
2:	3.2739e+00	3.2724e+00	1e+00	3e-01	1e-15	3e-02
3:	3.3638e+00	3.3629e+00	3e-01	8e-02	4e-15	7e-03
4:	3.4200e+00	3.4199e+00	3e-02	1e-02	1e-15	1e-03
5:	3.4259e+00	3.4259e+00	5e-04	2e-04	2e-15	1e-05
6:	3.4260e+00	3.4260e+00	5e-06	2e-06	1e-15	1e-07
7:	3.4260e+00	3.4260e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1520e+00	2.1491e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5427e+00	3.5417e+00	1e+00	4e-01	3e-15	3e-02
3:	3.7380e+00	3.7377e+00	2e-01	7e-02	5e-15	6e-03
4:	3.7897e+00	3.7896e+00	8e-02	2e-02	6e-15	2e-03
5:	3.8120e+00	3.8120e+00	5e-03	2e-03	6e-15	1e-04
6:	3.8131e+00	3.8131e+00	5e-05	2e-05	2e-15	1e-06
7:	3.8131e+00	3.8131e+00	5e-07	2e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.1835e-01	7.1554e-01	5e+00	1e+00	2e-16	2e-01

2:	1.9745e+00	1.9726e+00	9e-01	3e-01	9e-16	3e-02
3:	2.1310e+00	2.1301e+00	3e-01	1e-01	9e-16	1e-02
4:	2.1485e+00	2.1480e+00	7e-02	2e-02	4e-15	2e-03
5:	2.1614e+00	2.1614e+00	8e-04	2e-04	5e-16	2e-05
6:	2.1615e+00	2.1615e+00	8e-06	2e-06	5e-16	2e-07
7:	2.1615e+00	2.1615e+00	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2736e+00	1.2702e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6815e+00	2.6802e+00	1e+00	3e-01	9e-16	3e-02
3:	2.9779e+00	2.9776e+00	2e-01	6e-02	1e-15	6e-03
4:	2.9898e+00	2.9895e+00	7e-02	2e-02	1e-14	2e-03
5:	2.9993e+00	2.9991e+00	4e-02	1e-02	8e-15	1e-03
6:	3.0068e+00	3.0068e+00	2e-03	6e-04	3e-15	5e-05
7:	3.0072e+00	3.0072e+00	4e-05	1e-05	6e-15	9e-07
8:	3.0072e+00	3.0072e+00	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8854e+00	1.8836e+00	6e+00	2e+00	3e-16	1e-01
2:	3.4752e+00	3.4746e+00	1e+00	4e-01	1e-15	3e-02
3:	3.7477e+00	3.7475e+00	3e-01	1e-01	2e-15	8e-03
4:	3.7831e+00	3.7831e+00	3e-02	1e-02	3e-15	8e-04
5:	3.7895e+00	3.7895e+00	2e-03	5e-04	1e-15	4e-05
6:	3.7897e+00	3.7897e+00	2e-05	5e-06	1e-15	4e-07
7:	3.7897e+00	3.7897e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.1411e-01	8.1161e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9214e+00	1.9194e+00	1e+00	3e-01	2e-15	4e-02
3:	2.1046e+00	2.1040e+00	2e-01	6e-02	5e-16	6e-03
4:	2.1447e+00	2.1445e+00	6e-02	2e-02	4e-15	2e-03
5:	2.1476e+00	2.1475e+00	9e-03	3e-03	8e-15	3e-04
6:	2.1492e+00	2.1492e+00	9e-04	3e-04	2e-15	3e-05
7:	2.1493e+00	2.1493e+00	9e-06	3e-06	3e-15	3e-07
8:	2.1493e+00	2.1493e+00	9e-08	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1031e+00	2.1027e+00	6e+00	2e+00	2e-16	1e-01
2:	3.5314e+00	3.5312e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9332e+00	3.9331e+00	3e-01	1e-01	2e-15	8e-03
4:	3.9746e+00	3.9746e+00	1e-01	3e-02	6e-15	3e-03
5:	3.9982e+00	3.9982e+00	1e-02	4e-03	6e-15	3e-04
6:	3.9993e+00	3.9993e+00	3e-03	1e-03	2e-13	9e-05
7:	4.0000e+00	4.0000e+00	4e-05	1e-05	3e-15	9e-07

8:	4.0000e+00	4.0000e+00	4e-07	1e-07	9e-15	9e-09
9:	4.0000e+00	4.0000e+00	4e-09	1e-09	9e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.5586e-01	6.5364e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7015e+00	1.6995e+00	1e+00	3e-01	7e-16	4e-02
3:	1.9133e+00	1.9121e+00	3e-01	9e-02	3e-15	9e-03
4:	1.9703e+00	1.9701e+00	6e-02	2e-02	2e-15	2e-03
5:	1.9769e+00	1.9769e+00	7e-03	2e-03	1e-14	2e-04
6:	1.9782e+00	1.9782e+00	9e-05	3e-05	5e-15	3e-06
7:	1.9782e+00	1.9782e+00	9e-07	3e-07	8e-15	3e-08
8:	1.9782e+00	1.9782e+00	9e-09	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7749e-01	4.7498e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4105e+00	1.4087e+00	9e-01	3e-01	9e-16	3e-02
3:	1.5428e+00	1.5417e+00	3e-01	8e-02	8e-16	9e-03
4:	1.5978e+00	1.5976e+00	6e-02	2e-02	1e-15	2e-03
5:	1.6076e+00	1.6076e+00	2e-03	7e-04	4e-15	7e-05
6:	1.6081e+00	1.6081e+00	2e-05	7e-06	1e-15	7e-07
7:	1.6082e+00	1.6082e+00	2e-07	7e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7480e+00	1.7447e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3259e+00	3.3243e+00	1e+00	4e-01	3e-15	4e-02
3:	3.4886e+00	3.4878e+00	3e-01	1e-01	2e-15	9e-03
4:	3.5570e+00	3.5568e+00	7e-02	2e-02	7e-16	2e-03
5:	3.5632e+00	3.5632e+00	2e-03	5e-04	2e-15	4e-05
6:	3.5634e+00	3.5634e+00	2e-05	5e-06	7e-16	4e-07
7:	3.5634e+00	3.5634e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5244e+00	2.5240e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3928e+00	3.3925e+00	2e+00	6e-01	4e-15	5e-02
3:	3.9890e+00	3.9889e+00	6e-01	2e-01	1e-15	1e-02
4:	4.1136e+00	4.1136e+00	9e-02	3e-02	1e-15	2e-03
5:	4.1366e+00	4.1366e+00	7e-03	2e-03	3e-15	2e-04
6:	4.1385e+00	4.1385e+00	9e-05	3e-05	1e-15	2e-06
7:	4.1385e+00	4.1385e+00	9e-07	3e-07	7e-16	2e-08
8:	4.1385e+00	4.1385e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7119e+00	2.7091e+00	6e+00	2e+00	2e-16	2e-01

2:	4.2254e+00	4.2241e+00	1e+00	4e-01	3e-15	4e-02
3:	4.4696e+00	4.4690e+00	4e-01	1e-01	3e-15	1e-02
4:	4.5766e+00	4.5764e+00	1e-01	4e-02	1e-15	4e-03
5:	4.6088e+00	4.6088e+00	9e-03	3e-03	1e-15	2e-04
6:	4.6105e+00	4.6105e+00	9e-05	3e-05	7e-16	2e-06
7:	4.6105e+00	4.6105e+00	9e-07	3e-07	5e-16	2e-08
8:	4.6105e+00	4.6105e+00	9e-09	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6910e+00	1.6886e+00	6e+00	2e+00	3e-16	2e-01
2:	3.1631e+00	3.1622e+00	1e+00	3e-01	2e-15	3e-02
3:	3.2543e+00	3.2538e+00	4e-01	1e-01	4e-15	1e-02
4:	3.3298e+00	3.3297e+00	9e-02	3e-02	1e-15	2e-03
5:	3.3532e+00	3.3531e+00	3e-02	8e-03	2e-15	7e-04
6:	3.3580e+00	3.3580e+00	3e-03	8e-04	3e-15	7e-05
7:	3.3584e+00	3.3584e+00	3e-05	9e-06	1e-14	8e-07
8:	3.3584e+00	3.3584e+00	3e-07	9e-08	5e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5147e-01	6.4884e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7340e+00	1.7322e+00	9e-01	3e-01	1e-15	3e-02
3:	1.8766e+00	1.8759e+00	2e-01	6e-02	1e-15	6e-03
4:	1.9207e+00	1.9206e+00	2e-02	7e-03	6e-16	7e-04
5:	1.9224e+00	1.9224e+00	3e-03	1e-03	6e-15	1e-04
6:	1.9230e+00	1.9230e+00	4e-05	1e-05	2e-15	1e-06
7:	1.9230e+00	1.9230e+00	4e-07	1e-07	2e-15	1e-08
8:	1.9230e+00	1.9230e+00	4e-09	1e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2098e+00	1.2069e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6728e+00	2.6711e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9071e+00	2.9064e+00	3e-01	1e-01	8e-16	1e-02
4:	2.9305e+00	2.9300e+00	9e-02	3e-02	4e-15	3e-03
5:	2.9472e+00	2.9472e+00	2e-03	6e-04	9e-16	6e-05
6:	2.9475e+00	2.9475e+00	2e-05	6e-06	1e-15	6e-07
7:	2.9475e+00	2.9475e+00	2e-07	6e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9291e+00	1.9257e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6708e+00	3.6694e+00	1e+00	4e-01	2e-15	4e-02
3:	3.8061e+00	3.8057e+00	2e-01	7e-02	3e-15	6e-03
4:	3.8540e+00	3.8539e+00	3e-02	1e-02	1e-15	9e-04
5:	3.8628e+00	3.8628e+00	3e-03	9e-04	5e-15	8e-05
6:	3.8633e+00	3.8633e+00	3e-04	8e-05	8e-14	7e-06

7:	3.8633e+00	3.8633e+00	3e-06	9e-07	6e-15	7e-08
8:	3.8633e+00	3.8633e+00	3e-08	9e-09	7e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0053e+00	1.0023e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1407e+00	2.1395e+00	6e-01	2e-01	1e-15	2e-02
3:	2.2255e+00	2.2250e+00	2e-01	5e-02	1e-15	5e-03
4:	2.2370e+00	2.2370e+00	3e-02	8e-03	9e-16	8e-04
5:	2.2413e+00	2.2413e+00	1e-03	4e-04	7e-16	4e-05
6:	2.2414e+00	2.2414e+00	1e-05	4e-06	6e-16	4e-07
7:	2.2414e+00	2.2414e+00	1e-07	4e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0839e+00	1.0807e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4831e+00	2.4810e+00	2e+00	5e-01	8e-16	5e-02
3:	2.6204e+00	2.6190e+00	4e-01	1e-01	3e-15	1e-02
4:	2.6900e+00	2.6896e+00	8e-02	3e-02	6e-16	2e-03
5:	2.7012e+00	2.7012e+00	2e-03	7e-04	1e-15	6e-05
6:	2.7015e+00	2.7015e+00	2e-05	7e-06	2e-15	6e-07
7:	2.7015e+00	2.7015e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.8513e-01	3.8369e-01	4e+00	1e+00	2e-16	1e-01
2:	1.2200e+00	1.2175e+00	1e+00	4e-01	8e-16	5e-02
3:	1.3740e+00	1.3726e+00	3e-01	9e-02	1e-15	9e-03
4:	1.3999e+00	1.3997e+00	3e-02	9e-03	1e-15	9e-04
5:	1.4056e+00	1.4056e+00	7e-03	2e-03	7e-16	2e-04
6:	1.4068e+00	1.4068e+00	8e-05	2e-05	7e-16	2e-06
7:	1.4068e+00	1.4068e+00	8e-07	2e-07	1e-15	2e-08
8:	1.4068e+00	1.4068e+00	8e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7041e+00	1.7007e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3489e+00	3.3471e+00	1e+00	4e-01	1e-15	4e-02
3:	3.4873e+00	3.4864e+00	3e-01	9e-02	3e-15	8e-03
4:	3.5403e+00	3.5400e+00	7e-02	2e-02	9e-16	2e-03
5:	3.5509e+00	3.5509e+00	6e-03	2e-03	1e-15	2e-04
6:	3.5517e+00	3.5517e+00	4e-04	1e-04	1e-14	1e-05
7:	3.5518e+00	3.5518e+00	4e-06	1e-06	1e-15	1e-07
8:	3.5518e+00	3.5518e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5981e+00	1.5947e+00	5e+00	2e+00	2e-16	2e-01

2:	3.1850e+00	3.1834e+00	2e+00	5e-01	1e-15	5e-02
3:	3.3961e+00	3.3951e+00	5e-01	1e-01	4e-15	1e-02
4:	3.4841e+00	3.4839e+00	1e-01	3e-02	1e-15	3e-03
5:	3.5031e+00	3.5031e+00	3e-03	1e-03	1e-15	9e-05
6:	3.5036e+00	3.5036e+00	3e-05	1e-05	2e-15	9e-07
7:	3.5036e+00	3.5036e+00	3e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6293e+00	2.6291e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8847e+00	3.8846e+00	2e+00	5e-01	1e-15	4e-02
3:	4.4130e+00	4.4130e+00	5e-01	1e-01	1e-15	1e-02
4:	4.4648e+00	4.4648e+00	2e-01	5e-02	1e-15	4e-03
5:	4.5003e+00	4.5003e+00	3e-02	8e-03	1e-15	6e-04
6:	4.5053e+00	4.5053e+00	3e-03	1e-03	5e-14	8e-05
7:	4.5058e+00	4.5058e+00	2e-04	7e-05	5e-14	6e-06
8:	4.5059e+00	4.5059e+00	2e-06	8e-07	3e-15	6e-08
9:	4.5059e+00	4.5059e+00	2e-08	8e-09	5e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9180e+00	1.9149e+00	6e+00	2e+00	2e-16	2e-01
2:	3.1129e+00	3.1119e+00	1e+00	4e-01	2e-15	4e-02
3:	3.4299e+00	3.4296e+00	2e-01	7e-02	1e-15	6e-03
4:	3.4720e+00	3.4720e+00	3e-02	8e-03	1e-14	7e-04
5:	3.4795e+00	3.4795e+00	3e-04	1e-04	2e-15	9e-06
6:	3.4796e+00	3.4796e+00	3e-06	1e-06	2e-15	9e-08
7:	3.4796e+00	3.4796e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4801e+00	1.4767e+00	5e+00	2e+00	3e-16	2e-01
2:	2.6369e+00	2.6346e+00	2e+00	5e-01	1e-15	5e-02
3:	3.0229e+00	3.0217e+00	7e-01	2e-01	2e-15	2e-02
4:	3.0700e+00	3.0692e+00	2e-01	7e-02	3e-15	6e-03
5:	3.1081e+00	3.1078e+00	6e-02	2e-02	1e-15	2e-03
6:	3.1185e+00	3.1185e+00	1e-03	5e-04	1e-15	4e-05
7:	3.1188e+00	3.1188e+00	1e-05	5e-06	9e-16	4e-07
8:	3.1188e+00	3.1188e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3513e+00	1.3484e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6388e+00	2.6375e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9249e+00	2.9243e+00	2e-01	8e-02	3e-15	6e-03
4:	2.9708e+00	2.9707e+00	3e-02	8e-03	2e-15	7e-04
5:	2.9745e+00	2.9745e+00	5e-04	1e-04	2e-15	1e-05
6:	2.9745e+00	2.9745e+00	5e-06	1e-06	8e-16	1e-07



7: 2.9745e+00 2.9745e+00 5e-08 1e-08 1e-15 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3270e+00	1.3240e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8936e+00	2.8916e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9907e+00	2.9893e+00	3e-01	1e-01	1e-15	1e-02
4:	3.0459e+00	3.0458e+00	3e-02	1e-02	9e-16	1e-03
5:	3.0497e+00	3.0497e+00	4e-03	1e-03	9e-16	1e-04
6:	3.0507e+00	3.0507e+00	1e-03	4e-04	8e-16	4e-05
7:	3.0509e+00	3.0509e+00	4e-05	1e-05	3e-15	1e-06
8:	3.0509e+00	3.0509e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0454e+00	1.0423e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3400e+00	2.3378e+00	1e+00	4e-01	6e-16	4e-02
3:	2.6383e+00	2.6375e+00	3e-01	9e-02	7e-16	9e-03
4:	2.6471e+00	2.6469e+00	5e-02	1e-02	1e-14	1e-03
5:	2.6555e+00	2.6555e+00	5e-03	2e-03	2e-15	1e-04
6:	2.6563e+00	2.6563e+00	4e-04	1e-04	3e-15	1e-05
7:	2.6564e+00	2.6564e+00	4e-06	1e-06	1e-15	1e-07
8:	2.6564e+00	2.6564e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3333e+00	1.3304e+00	5e+00	1e+00	2e-16	2e-01
2:	3.0818e+00	3.0801e+00	1e+00	3e-01	1e-15	3e-02
3:	3.1465e+00	3.1449e+00	3e-01	9e-02	4e-15	9e-03
4:	3.2280e+00	3.2278e+00	3e-02	1e-02	1e-15	9e-04
5:	3.2376e+00	3.2376e+00	4e-03	1e-03	3e-15	1e-04
6:	3.2386e+00	3.2386e+00	1e-04	4e-05	3e-14	4e-06
7:	3.2386e+00	3.2386e+00	1e-06	4e-07	9e-15	4e-08
8:	3.2386e+00	3.2386e+00	1e-08	4e-09	8e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.2920e-01	9.2613e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9938e+00	1.9920e+00	1e+00	4e-01	8e-16	4e-02
3:	2.1405e+00	2.1399e+00	2e-01	6e-02	9e-16	6e-03
4:	2.1789e+00	2.1788e+00	3e-02	1e-02	6e-16	9e-04
5:	2.1852e+00	2.1851e+00	5e-03	2e-03	1e-15	2e-04
6:	2.1858e+00	2.1858e+00	1e-04	4e-05	1e-14	3e-06
7:	2.1858e+00	2.1858e+00	1e-06	4e-07	1e-14	3e-08
8:	2.1858e+00	2.1858e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	9.3585e-01	9.3347e-01	4e+00	1e+00	2e-16	2e-01
2:	2.3102e+00	2.3079e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5121e+00	2.5113e+00	2e-01	7e-02	1e-15	8e-03
4:	2.5434e+00	2.5430e+00	4e-02	1e-02	4e-15	1e-03
5:	2.5533e+00	2.5533e+00	1e-03	3e-04	3e-15	3e-05
6:	2.5536e+00	2.5536e+00	1e-05	3e-06	8e-16	3e-07
7:	2.5536e+00	2.5536e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6646e+00	1.6613e+00	5e+00	2e+00	3e-16	2e-01
2:	3.1356e+00	3.1342e+00	1e+00	4e-01	2e-15	4e-02
3:	3.4265e+00	3.4257e+00	4e-01	1e-01	3e-15	1e-02
4:	3.4711e+00	3.4706e+00	1e-01	4e-02	5e-15	3e-03
5:	3.4916e+00	3.4915e+00	2e-02	5e-03	6e-15	4e-04
6:	3.4940e+00	3.4940e+00	6e-04	2e-04	7e-15	2e-05
7:	3.4941e+00	3.4941e+00	6e-06	2e-06	2e-15	2e-07
8:	3.4941e+00	3.4941e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9358e+00	1.9325e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1315e+00	4.1294e+00	1e+00	4e-01	2e-15	4e-02
3:	4.1765e+00	4.1731e+00	7e-01	2e-01	4e-15	2e-02
4:	4.3534e+00	4.3527e+00	1e-01	4e-02	6e-16	4e-03
5:	4.3924e+00	4.3922e+00	2e-02	7e-03	2e-15	6e-04
6:	4.3951e+00	4.3950e+00	8e-03	3e-03	4e-14	2e-04
7:	4.3968e+00	4.3968e+00	9e-05	3e-05	3e-15	2e-06
8:	4.3968e+00	4.3968e+00	9e-07	3e-07	3e-15	2e-08
9:	4.3968e+00	4.3968e+00	9e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2935e+00	1.2902e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6636e+00	2.6616e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9127e+00	2.9119e+00	6e-01	2e-01	1e-15	2e-02
4:	2.9917e+00	2.9916e+00	6e-02	2e-02	1e-15	2e-03
5:	2.9994e+00	2.9994e+00	1e-03	4e-04	4e-15	4e-05
6:	2.9996e+00	2.9996e+00	1e-05	4e-06	7e-16	4e-07
7:	2.9996e+00	2.9996e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3566e+00	1.3532e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7852e+00	2.7838e+00	1e+00	3e-01	9e-16	3e-02
3:	3.0987e+00	3.0983e+00	2e-01	7e-02	2e-15	6e-03
4:	3.1156e+00	3.1154e+00	3e-02	1e-02	8e-15	8e-04
5:	3.1214e+00	3.1214e+00	7e-04	2e-04	6e-15	2e-05

6:	3.1215e+00	3.1215e+00	7e-06	2e-06	1e-14	2e-07
7:	3.1215e+00	3.1215e+00	7e-08	2e-08	9e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6221e+00	2.6191e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3937e+00	4.3926e+00	1e+00	4e-01	5e-15	3e-02
3:	4.5627e+00	4.5624e+00	3e-01	1e-01	3e-15	9e-03
4:	4.6004e+00	4.6004e+00	4e-02	1e-02	3e-15	1e-03
5:	4.6052e+00	4.6052e+00	4e-03	1e-03	3e-15	1e-04
6:	4.6062e+00	4.6062e+00	4e-05	1e-05	9e-16	1e-06
7:	4.6062e+00	4.6062e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5429e-01	6.5147e-01	5e+00	1e+00	2e-16	2e-01
2:	1.6835e+00	1.6816e+00	9e-01	3e-01	1e-15	3e-02
3:	1.8134e+00	1.8129e+00	2e-01	6e-02	7e-16	6e-03
4:	1.8580e+00	1.8578e+00	6e-02	2e-02	2e-15	2e-03
5:	1.8585e+00	1.8584e+00	3e-02	9e-03	5e-15	8e-04
6:	1.8625e+00	1.8625e+00	6e-03	2e-03	4e-15	2e-04
7:	1.8633e+00	1.8633e+00	9e-05	3e-05	5e-15	2e-06
8:	1.8633e+00	1.8633e+00	9e-07	3e-07	4e-15	2e-08
9:	1.8633e+00	1.8633e+00	9e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1280e+00	1.1248e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4016e+00	2.3996e+00	1e+00	4e-01	3e-15	4e-02
3:	2.6616e+00	2.6608e+00	4e-01	1e-01	2e-15	1e-02
4:	2.7149e+00	2.7144e+00	1e-01	4e-02	2e-15	4e-03
5:	2.7285e+00	2.7284e+00	2e-02	5e-03	3e-15	5e-04
6:	2.7309e+00	2.7309e+00	1e-03	4e-04	1e-14	3e-05
7:	2.7311e+00	2.7311e+00	1e-05	4e-06	1e-14	3e-07
8:	2.7311e+00	2.7311e+00	1e-07	4e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.5561e-01	9.5243e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0617e+00	2.0598e+00	1e+00	4e-01	6e-16	4e-02
3:	2.4660e+00	2.4655e+00	2e-01	7e-02	7e-16	7e-03
4:	2.4960e+00	2.4958e+00	3e-02	1e-02	3e-15	9e-04
5:	2.5025e+00	2.5025e+00	2e-03	6e-04	1e-14	5e-05
6:	2.5027e+00	2.5027e+00	4e-05	1e-05	3e-13	1e-06
7:	2.5027e+00	2.5027e+00	4e-07	1e-07	7e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	1.4817e+00	1.4785e+00	5e+00	2e+00	3e-16	2e-01
2:	3.0844e+00	3.0824e+00	2e+00	5e-01	2e-15	5e-02
3:	3.3625e+00	3.3619e+00	3e-01	8e-02	2e-15	8e-03
4:	3.3821e+00	3.3817e+00	9e-02	3e-02	1e-14	3e-03
5:	3.4017e+00	3.4017e+00	9e-03	3e-03	2e-15	2e-04
6:	3.4033e+00	3.4033e+00	9e-05	3e-05	7e-16	2e-06
7:	3.4033e+00	3.4033e+00	9e-07	3e-07	2e-15	2e-08
8:	3.4033e+00	3.4033e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5222e+00	1.5188e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8604e+00	2.8591e+00	1e+00	4e-01	2e-15	4e-02
3:	3.1670e+00	3.1666e+00	2e-01	7e-02	1e-15	7e-03
4:	3.1966e+00	3.1966e+00	3e-02	8e-03	3e-15	8e-04
5:	3.2022e+00	3.2021e+00	6e-03	2e-03	2e-14	2e-04
6:	3.2028e+00	3.2028e+00	2e-04	6e-05	4e-14	5e-06
7:	3.2028e+00	3.2028e+00	2e-06	6e-07	1e-14	5e-08
8:	3.2028e+00	3.2028e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.7183e-01	7.6907e-01	5e+00	1e+00	2e-16	2e-01
2:	2.0884e+00	2.0865e+00	9e-01	3e-01	1e-15	3e-02
3:	2.2885e+00	2.2870e+00	3e-01	8e-02	1e-15	8e-03
4:	2.3186e+00	2.3185e+00	2e-02	8e-03	2e-15	7e-04
5:	2.3225e+00	2.3225e+00	3e-04	9e-05	2e-15	8e-06
6:	2.3225e+00	2.3225e+00	3e-06	9e-07	2e-15	8e-08
7:	2.3225e+00	2.3225e+00	3e-08	9e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1938e+00	1.1906e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7047e+00	2.7031e+00	1e+00	3e-01	3e-15	3e-02
3:	2.8167e+00	2.8147e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9306e+00	2.9301e+00	1e-01	3e-02	9e-16	3e-03
5:	2.9550e+00	2.9549e+00	8e-03	2e-03	3e-15	2e-04
6:	2.9563e+00	2.9563e+00	8e-05	3e-05	6e-15	2e-06
7:	2.9564e+00	2.9564e+00	8e-07	3e-07	3e-15	2e-08
8:	2.9564e+00	2.9564e+00	8e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9907e+00	1.9887e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0081e+00	3.0074e+00	1e+00	4e-01	2e-15	3e-02
3:	3.3148e+00	3.3145e+00	4e-01	1e-01	2e-15	1e-02
4:	3.3872e+00	3.3871e+00	1e-01	4e-02	2e-15	3e-03
5:	3.4073e+00	3.4073e+00	4e-03	1e-03	1e-15	1e-04

6:	3.4079e+00	3.4079e+00	4e-05	1e-05	1e-15	1e-06
7:	3.4079e+00	3.4079e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5972e+00	2.5964e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1224e+00	4.1221e+00	1e+00	5e-01	4e-15	4e-02
3:	4.3333e+00	4.3332e+00	5e-01	2e-01	3e-15	1e-02
4:	4.3965e+00	4.3965e+00	6e-02	2e-02	3e-15	2e-03
5:	4.4156e+00	4.4156e+00	2e-02	5e-03	2e-15	4e-04
6:	4.4178e+00	4.4178e+00	1e-03	4e-04	2e-14	3e-05
7:	4.4181e+00	4.4181e+00	2e-05	7e-06	1e-14	6e-07
8:	4.4181e+00	4.4181e+00	2e-07	7e-08	4e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.3130e-01	7.2921e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9566e+00	1.9542e+00	1e+00	4e-01	1e-15	5e-02
3:	2.1232e+00	2.1219e+00	4e-01	1e-01	2e-15	1e-02
4:	2.1828e+00	2.1825e+00	7e-02	2e-02	1e-15	2e-03
5:	2.1960e+00	2.1960e+00	9e-03	3e-03	2e-15	3e-04
6:	2.1971e+00	2.1971e+00	1e-04	3e-05	4e-15	3e-06
7:	2.1972e+00	2.1972e+00	1e-06	3e-07	2e-15	3e-08
8:	2.1972e+00	2.1972e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9676e-01	7.9374e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7665e+00	1.7646e+00	1e+00	4e-01	7e-16	4e-02
3:	2.0118e+00	2.0111e+00	3e-01	1e-01	5e-16	1e-02
4:	2.0481e+00	2.0479e+00	5e-02	2e-02	6e-16	2e-03
5:	2.0521e+00	2.0521e+00	6e-03	2e-03	1e-15	2e-04
6:	2.0536e+00	2.0536e+00	2e-03	7e-04	1e-15	6e-05
7:	2.0537e+00	2.0537e+00	1e-03	3e-04	3e-15	3e-05
8:	2.0538e+00	2.0538e+00	3e-05	1e-05	1e-15	8e-07
9:	2.0539e+00	2.0539e+00	3e-07	1e-07	4e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1627e+00	1.1596e+00	6e+00	2e+00	1e-16	2e-01
2:	2.2318e+00	2.2307e+00	1e+00	4e-01	2e-15	3e-02
3:	2.4227e+00	2.4225e+00	2e-01	5e-02	1e-15	4e-03
4:	2.4351e+00	2.4350e+00	5e-02	2e-02	4e-15	1e-03
5:	2.4483e+00	2.4483e+00	4e-03	1e-03	6e-16	1e-04
6:	2.4490e+00	2.4490e+00	4e-05	1e-05	1e-15	1e-06
7:	2.4490e+00	2.4490e+00	4e-07	1e-07	9e-16	1e-08
8:	2.4490e+00	2.4490e+00	4e-09	1e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2387e+00	1.2359e+00	6e+00	2e+00	2e-16	2e-01
2:	2.3487e+00	2.3475e+00	1e+00	4e-01	1e-15	4e-02
3:	2.4769e+00	2.4764e+00	3e-01	1e-01	7e-16	8e-03
4:	2.5692e+00	2.5691e+00	7e-02	2e-02	5e-16	2e-03
5:	2.5783e+00	2.5782e+00	1e-02	3e-03	3e-15	3e-04
6:	2.5803e+00	2.5803e+00	8e-04	3e-04	3e-15	2e-05
7:	2.5804e+00	2.5804e+00	2e-05	8e-06	8e-14	6e-07
8:	2.5805e+00	2.5805e+00	2e-07	8e-08	2e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2673e+00	2.2641e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1081e+00	4.1062e+00	2e+00	5e-01	4e-15	4e-02
3:	4.3353e+00	4.3342e+00	5e-01	2e-01	2e-15	1e-02
4:	4.4377e+00	4.4375e+00	9e-02	3e-02	2e-15	2e-03
5:	4.4514e+00	4.4514e+00	8e-03	3e-03	1e-14	2e-04
6:	4.4533e+00	4.4533e+00	9e-05	3e-05	2e-15	2e-06
7:	4.4534e+00	4.4534e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8539e-01	9.8205e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1758e+00	2.1739e+00	1e+00	4e-01	7e-16	4e-02
3:	2.3517e+00	2.3514e+00	2e-01	6e-02	2e-15	6e-03
4:	2.3919e+00	2.3918e+00	3e-02	8e-03	1e-15	8e-04
5:	2.3940e+00	2.3940e+00	6e-03	2e-03	7e-15	1e-04
6:	2.3952e+00	2.3952e+00	6e-05	2e-05	4e-15	2e-06
7:	2.3953e+00	2.3953e+00	6e-07	2e-07	2e-15	2e-08
8:	2.3953e+00	2.3953e+00	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4922e+00	1.4889e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2516e+00	3.2500e+00	1e+00	3e-01	1e-15	3e-02
3:	3.4328e+00	3.4318e+00	3e-01	1e-01	4e-15	9e-03
4:	3.4988e+00	3.4985e+00	6e-02	2e-02	1e-15	2e-03
5:	3.5112e+00	3.5111e+00	6e-03	2e-03	4e-15	2e-04
6:	3.5123e+00	3.5123e+00	7e-05	2e-05	5e-15	2e-06
7:	3.5123e+00	3.5123e+00	7e-07	2e-07	4e-15	2e-08
8:	3.5123e+00	3.5123e+00	7e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1924e+00	1.1895e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5944e+00	2.5924e+00	2e+00	5e-01	1e-15	5e-02
3:	2.8244e+00	2.8231e+00	5e-01	1e-01	4e-15	1e-02

4:	2.8975e+00	2.8972e+00	9e-02	3e-02	2e-15	3e-03
5:	2.9068e+00	2.9067e+00	2e-02	7e-03	6e-15	6e-04
6:	2.9098e+00	2.9098e+00	6e-04	2e-04	3e-15	2e-05
7:	2.9100e+00	2.9100e+00	6e-06	2e-06	2e-15	2e-07
8:	2.9100e+00	2.9100e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9467e+00	1.9461e+00	6e+00	2e+00	3e-16	2e-01
2:	3.3011e+00	3.3009e+00	1e+00	5e-01	1e-15	4e-02
3:	3.5069e+00	3.5068e+00	2e-01	5e-02	2e-15	4e-03
4:	3.5454e+00	3.5454e+00	1e-02	4e-03	2e-15	3e-04
5:	3.5475e+00	3.5475e+00	1e-04	5e-05	8e-15	4e-06
6:	3.5476e+00	3.5476e+00	1e-06	5e-07	6e-15	4e-08
7:	3.5476e+00	3.5476e+00	1e-08	5e-09	5e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5332e+00	1.5305e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4878e+00	2.4866e+00	1e+00	5e-01	1e-15	4e-02
3:	2.7809e+00	2.7807e+00	2e-01	7e-02	9e-16	6e-03
4:	2.8407e+00	2.8406e+00	8e-02	2e-02	1e-15	2e-03
5:	2.8511e+00	2.8511e+00	8e-03	3e-03	5e-15	2e-04
6:	2.8527e+00	2.8527e+00	8e-05	3e-05	8e-16	2e-06
7:	2.8527e+00	2.8527e+00	8e-07	3e-07	6e-16	2e-08
8:	2.8527e+00	2.8527e+00	8e-09	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7654e-01	8.7323e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1904e+00	2.1884e+00	1e+00	4e-01	6e-16	4e-02
3:	2.3898e+00	2.3876e+00	4e-01	1e-01	7e-16	1e-02
4:	2.4520e+00	2.4517e+00	5e-02	2e-02	1e-15	1e-03
5:	2.4625e+00	2.4625e+00	2e-03	5e-04	1e-15	4e-05
6:	2.4628e+00	2.4628e+00	2e-05	5e-06	1e-15	4e-07
7:	2.4628e+00	2.4628e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.1844e-01	7.1596e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7707e+00	1.7687e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9738e+00	1.9730e+00	3e-01	8e-02	5e-16	9e-03
4:	1.9850e+00	1.9847e+00	3e-02	1e-02	2e-15	9e-04
5:	1.9907e+00	1.9907e+00	1e-03	5e-04	5e-16	4e-05
6:	1.9909e+00	1.9909e+00	1e-05	5e-06	7e-16	4e-07
7:	1.9909e+00	1.9909e+00	1e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9913e+00	1.9883e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5700e+00	3.5687e+00	1e+00	4e-01	2e-15	4e-02
3:	3.8617e+00	3.8613e+00	3e-01	1e-01	1e-15	9e-03
4:	3.8957e+00	3.8955e+00	8e-02	3e-02	8e-15	2e-03
5:	3.9127e+00	3.9127e+00	2e-03	5e-04	1e-15	4e-05
6:	3.9130e+00	3.9130e+00	2e-05	5e-06	1e-15	4e-07
7:	3.9130e+00	3.9130e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9489e+00	1.9456e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6036e+00	3.6021e+00	1e+00	4e-01	3e-15	3e-02
3:	3.7275e+00	3.7267e+00	3e-01	1e-01	1e-15	9e-03
4:	3.7984e+00	3.7984e+00	1e-02	4e-03	2e-15	3e-04
5:	3.8003e+00	3.8003e+00	1e-04	4e-05	3e-15	3e-06
6:	3.8003e+00	3.8003e+00	1e-06	4e-07	3e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0204e+00	1.0171e+00	5e+00	2e+00	1e-16	2e-01
2:	2.1469e+00	2.1455e+00	8e-01	3e-01	2e-15	3e-02
3:	2.3075e+00	2.3071e+00	2e-01	5e-02	7e-16	5e-03
4:	2.3255e+00	2.3254e+00	2e-02	8e-03	1e-15	7e-04
5:	2.3311e+00	2.3311e+00	3e-04	8e-05	4e-16	7e-06
6:	2.3312e+00	2.3312e+00	3e-06	8e-07	6e-16	7e-08
7:	2.3312e+00	2.3312e+00	3e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7203e+00	1.7174e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9647e+00	2.9632e+00	2e+00	7e-01	1e-15	6e-02
3:	3.2433e+00	3.2428e+00	4e-01	1e-01	3e-15	1e-02
4:	3.2906e+00	3.2905e+00	5e-02	2e-02	1e-15	1e-03
5:	3.3025e+00	3.3025e+00	1e-02	3e-03	7e-16	3e-04
6:	3.3043e+00	3.3043e+00	1e-04	3e-05	6e-16	3e-06
7:	3.3043e+00	3.3043e+00	1e-06	3e-07	1e-15	3e-08
8:	3.3043e+00	3.3043e+00	1e-08	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3143e+00	1.3109e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4879e+00	2.4861e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9364e+00	2.9357e+00	5e-01	2e-01	4e-16	1e-02
4:	2.9900e+00	2.9895e+00	1e-01	4e-02	5e-15	3e-03
5:	3.0104e+00	3.0103e+00	4e-02	1e-02	2e-15	1e-03
6:	3.0174e+00	3.0174e+00	9e-04	3e-04	2e-15	2e-05
7:	3.0175e+00	3.0175e+00	9e-06	3e-06	5e-16	2e-07



8: 3.0175e+00 3.0175e+00 9e-08 3e-08 5e-16 2e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5686e+00	1.5654e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1416e+00	3.1395e+00	2e+00	5e-01	1e-15	5e-02
3:	3.5256e+00	3.5245e+00	4e-01	1e-01	2e-15	1e-02
4:	3.5732e+00	3.5727e+00	9e-02	3e-02	5e-15	3e-03
5:	3.5894e+00	3.5894e+00	5e-03	1e-03	4e-15	1e-04
6:	3.5901e+00	3.5901e+00	5e-05	2e-05	8e-15	1e-06
7:	3.5901e+00	3.5901e+00	5e-07	2e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7922e+00	1.7889e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1946e+00	3.1934e+00	1e+00	4e-01	3e-15	4e-02
3:	3.3904e+00	3.3899e+00	3e-01	1e-01	2e-15	1e-02
4:	3.4219e+00	3.4216e+00	8e-02	2e-02	8e-15	2e-03
5:	3.4327e+00	3.4326e+00	2e-02	7e-03	2e-15	6e-04
6:	3.4357e+00	3.4357e+00	6e-03	2e-03	3e-15	1e-04
7:	3.4367e+00	3.4367e+00	8e-05	2e-05	9e-16	2e-06
8:	3.4367e+00	3.4367e+00	8e-07	2e-07	1e-15	2e-08
9:	3.4367e+00	3.4367e+00	8e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3487e-01	9.3206e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2994e+00	2.2974e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4482e+00	2.4475e+00	3e-01	9e-02	1e-15	9e-03
4:	2.4522e+00	2.4517e+00	5e-02	2e-02	3e-15	1e-03
5:	2.4609e+00	2.4608e+00	8e-03	2e-03	6e-16	2e-04
6:	2.4628e+00	2.4628e+00	9e-04	3e-04	1e-15	2e-05
7:	2.4629e+00	2.4629e+00	4e-05	1e-05	3e-14	9e-07
8:	2.4629e+00	2.4629e+00	4e-07	1e-07	9e-15	9e-09
9:	2.4629e+00	2.4629e+00	4e-09	1e-09	8e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7421e-01	3.7229e-01	4e+00	1e+00	2e-16	2e-01
2:	1.0074e+00	1.0049e+00	1e+00	4e-01	1e-15	5e-02
3:	1.1661e+00	1.1654e+00	2e-01	6e-02	5e-16	6e-03
4:	1.1758e+00	1.1758e+00	2e-02	7e-03	1e-15	8e-04
5:	1.1808e+00	1.1807e+00	7e-03	2e-03	8e-16	2e-04
6:	1.1812e+00	1.1812e+00	3e-03	9e-04	3e-15	8e-05
7:	1.1816e+00	1.1816e+00	3e-05	1e-05	9e-16	9e-07
8:	1.1816e+00	1.1816e+00	3e-07	1e-07	8e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.6938e-01	8.6649e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0334e+00	2.0313e+00	1e+00	4e-01	2e-15	4e-02
3:	2.1577e+00	2.1570e+00	1e-01	4e-02	1e-15	4e-03
4:	2.1763e+00	2.1762e+00	2e-02	6e-03	6e-16	5e-04
5:	2.1793e+00	2.1793e+00	3e-03	1e-03	8e-16	1e-04
6:	2.1794e+00	2.1794e+00	2e-03	5e-04	6e-15	4e-05
7:	2.1798e+00	2.1798e+00	8e-05	2e-05	2e-15	2e-06
8:	2.1798e+00	2.1798e+00	8e-07	3e-07	1e-14	2e-08
9:	2.1798e+00	2.1798e+00	8e-09	3e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2635e-01	7.2391e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8147e+00	1.8124e+00	1e+00	5e-01	1e-15	5e-02
3:	2.0635e+00	2.0625e+00	3e-01	1e-01	2e-15	1e-02
4:	2.0991e+00	2.0987e+00	6e-02	2e-02	2e-15	2e-03
5:	2.1112e+00	2.1112e+00	1e-02	3e-03	2e-15	3e-04
6:	2.1120e+00	2.1120e+00	1e-03	3e-04	3e-14	3e-05
7:	2.1121e+00	2.1121e+00	1e-05	5e-06	2e-14	4e-07
8:	2.1121e+00	2.1121e+00	1e-07	5e-08	1e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9536e+00	1.9503e+00	5e+00	2e+00	3e-16	2e-01
2:	4.0110e+00	4.0093e+00	2e+00	5e-01	2e-15	5e-02
3:	4.3866e+00	4.3858e+00	5e-01	2e-01	2e-15	1e-02
4:	4.4529e+00	4.4527e+00	8e-02	3e-02	2e-15	2e-03
5:	4.4650e+00	4.4650e+00	5e-03	1e-03	4e-15	1e-04
6:	4.4658e+00	4.4658e+00	5e-05	1e-05	3e-15	1e-06
7:	4.4658e+00	4.4658e+00	5e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4211e+00	1.4177e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9249e+00	2.9232e+00	1e+00	4e-01	1e-15	4e-02
3:	3.1512e+00	3.1503e+00	3e-01	1e-01	2e-15	1e-02
4:	3.1842e+00	3.1839e+00	8e-02	3e-02	3e-15	2e-03
5:	3.2001e+00	3.2000e+00	9e-03	3e-03	2e-15	3e-04
6:	3.2013e+00	3.2013e+00	1e-04	3e-05	3e-15	3e-06
7:	3.2013e+00	3.2013e+00	1e-06	3e-07	2e-15	3e-08
8:	3.2013e+00	3.2013e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9039e+00	2.9013e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5725e+00	4.5712e+00	2e+00	7e-01	3e-15	6e-02
3:	4.7121e+00	4.7109e+00	9e-01	3e-01	6e-15	2e-02

4:	4.9516e+00	4.9512e+00	2e-01	6e-02	1e-15	5e-03
5:	4.9750e+00	4.9749e+00	3e-02	1e-02	2e-15	8e-04
6:	4.9801e+00	4.9801e+00	1e-03	4e-04	5e-15	3e-05
7:	4.9803e+00	4.9803e+00	1e-05	4e-06	2e-15	3e-07
8:	4.9803e+00	4.9803e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8635e+00	1.8602e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5392e+00	3.5376e+00	1e+00	4e-01	3e-15	4e-02
3:	3.6895e+00	3.6890e+00	2e-01	6e-02	3e-15	5e-03
4:	3.7175e+00	3.7174e+00	3e-02	9e-03	1e-15	7e-04
5:	3.7224e+00	3.7224e+00	2e-03	5e-04	2e-15	4e-05
6:	3.7228e+00	3.7228e+00	2e-05	5e-06	7e-16	4e-07
7:	3.7228e+00	3.7228e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2109e-01	7.1821e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7580e+00	1.7563e+00	1e+00	4e-01	1e-15	4e-02
3:	2.0482e+00	2.0477e+00	2e-01	7e-02	2e-15	7e-03
4:	2.0758e+00	2.0755e+00	4e-02	1e-02	6e-15	1e-03
5:	2.0825e+00	2.0824e+00	7e-03	2e-03	5e-15	2e-04
6:	2.0838e+00	2.0838e+00	1e-04	4e-05	2e-15	3e-06
7:	2.0839e+00	2.0839e+00	1e-06	4e-07	3e-15	3e-08
8:	2.0839e+00	2.0839e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9779e+00	1.9746e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7377e+00	3.7356e+00	2e+00	5e-01	5e-15	5e-02
3:	4.0665e+00	4.0658e+00	4e-01	1e-01	2e-15	1e-02
4:	4.0878e+00	4.0875e+00	1e-01	4e-02	4e-15	3e-03
5:	4.1068e+00	4.1068e+00	5e-03	2e-03	8e-16	1e-04
6:	4.1077e+00	4.1077e+00	5e-05	2e-05	1e-15	1e-06
7:	4.1077e+00	4.1077e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6205e-01	6.5916e-01	5e+00	2e+00	2e-16	2e-01
2:	1.5312e+00	1.5293e+00	1e+00	4e-01	2e-15	4e-02
3:	1.7013e+00	1.7006e+00	3e-01	1e-01	7e-16	1e-02
4:	1.7317e+00	1.7315e+00	4e-02	1e-02	1e-15	1e-03
5:	1.7406e+00	1.7406e+00	8e-03	2e-03	4e-16	2e-04
6:	1.7415e+00	1.7415e+00	1e-03	4e-04	3e-15	3e-05
7:	1.7418e+00	1.7418e+00	1e-05	4e-06	8e-16	4e-07
8:	1.7418e+00	1.7418e+00	1e-07	4e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4192e+00	1.4159e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8278e+00	2.8260e+00	1e+00	4e-01	9e-16	4e-02
3:	3.0383e+00	3.0375e+00	4e-01	1e-01	2e-15	1e-02
4:	3.0958e+00	3.0956e+00	4e-02	1e-02	3e-15	1e-03
5:	3.1014e+00	3.1014e+00	2e-03	5e-04	1e-14	4e-05
6:	3.1017e+00	3.1017e+00	2e-05	5e-06	2e-15	4e-07
7:	3.1017e+00	3.1017e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7381e+00	2.7357e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5068e+00	4.5060e+00	1e+00	5e-01	2e-15	4e-02
3:	4.8142e+00	4.8139e+00	3e-01	1e-01	3e-15	9e-03
4:	4.8749e+00	4.8749e+00	2e-02	7e-03	6e-15	6e-04
5:	4.8789e+00	4.8789e+00	2e-04	7e-05	2e-15	6e-06
6:	4.8789e+00	4.8789e+00	2e-06	7e-07	3e-15	6e-08
7:	4.8789e+00	4.8789e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3980e+00	1.3947e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6420e+00	2.6400e+00	1e+00	4e-01	5e-15	4e-02
3:	2.9201e+00	2.9194e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9740e+00	2.9738e+00	8e-02	3e-02	2e-15	2e-03
5:	2.9847e+00	2.9847e+00	2e-02	6e-03	3e-15	5e-04
6:	2.9866e+00	2.9866e+00	3e-04	9e-05	6e-15	8e-06
7:	2.9866e+00	2.9866e+00	3e-06	9e-07	4e-15	8e-08
8:	2.9866e+00	2.9866e+00	3e-08	9e-09	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4226e+00	2.4194e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9923e+00	3.9907e+00	2e+00	5e-01	2e-15	5e-02
3:	4.3319e+00	4.3312e+00	5e-01	2e-01	2e-15	1e-02
4:	4.4009e+00	4.4006e+00	1e-01	3e-02	6e-15	3e-03
5:	4.4180e+00	4.4180e+00	3e-03	9e-04	1e-15	8e-05
6:	4.4184e+00	4.4184e+00	3e-05	9e-06	1e-15	8e-07
7:	4.4184e+00	4.4184e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3640e+00	1.3606e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7690e+00	2.7674e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9877e+00	2.9870e+00	4e-01	1e-01	1e-15	1e-02
4:	3.0230e+00	3.0227e+00	6e-02	2e-02	2e-15	2e-03
5:	3.0365e+00	3.0365e+00	3e-03	8e-04	8e-16	7e-05

6:	3.0370e+00	3.0370e+00	3e-05	8e-06	9e-16	7e-07
7:	3.0370e+00	3.0370e+00	3e-07	8e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1974e+00	1.1946e+00	5e+00	1e+00	2e-16	2e-01
2:	2.8540e+00	2.8519e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9473e+00	2.9459e+00	3e-01	8e-02	3e-15	8e-03
4:	3.0145e+00	3.0143e+00	4e-02	1e-02	6e-16	1e-03
5:	3.0235e+00	3.0235e+00	1e-03	4e-04	3e-15	3e-05
6:	3.0237e+00	3.0237e+00	1e-05	4e-06	1e-15	3e-07
7:	3.0237e+00	3.0237e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0949e+00	2.0916e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7072e+00	3.7052e+00	2e+00	5e-01	2e-15	5e-02
3:	4.0331e+00	4.0324e+00	5e-01	1e-01	2e-15	1e-02
4:	4.1116e+00	4.1116e+00	2e-02	7e-03	6e-15	7e-04
5:	4.1151e+00	4.1151e+00	2e-04	8e-05	1e-15	7e-06
6:	4.1151e+00	4.1151e+00	2e-06	8e-07	1e-15	7e-08
7:	4.1151e+00	4.1151e+00	2e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4176e+00	2.4158e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8925e+00	3.8919e+00	2e+00	5e-01	9e-16	4e-02
3:	4.3720e+00	4.3717e+00	5e-01	2e-01	2e-15	1e-02
4:	4.4392e+00	4.4391e+00	2e-01	5e-02	3e-15	4e-03
5:	4.4755e+00	4.4755e+00	3e-02	8e-03	2e-15	7e-04
6:	4.4815e+00	4.4815e+00	1e-03	4e-04	3e-15	4e-05
7:	4.4819e+00	4.4819e+00	1e-05	4e-06	1e-15	4e-07
8:	4.4819e+00	4.4819e+00	1e-07	4e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7866e+00	1.7832e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3531e+00	3.3516e+00	1e+00	4e-01	1e-15	4e-02
3:	3.5552e+00	3.5545e+00	4e-01	1e-01	3e-15	1e-02
4:	3.5962e+00	3.5960e+00	5e-02	2e-02	4e-15	1e-03
5:	3.6063e+00	3.6063e+00	8e-04	2e-04	2e-15	2e-05
6:	3.6065e+00	3.6065e+00	8e-06	2e-06	8e-16	2e-07
7:	3.6065e+00	3.6065e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7887e+00	2.7856e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9838e+00	4.9826e+00	1e+00	4e-01	3e-15	3e-02

3:	5.0424e+00	5.0408e+00	6e-01	2e-01	8e-15	2e-02
4:	5.2046e+00	5.2045e+00	3e-02	8e-03	1e-15	7e-04
5:	5.2115e+00	5.2115e+00	3e-04	8e-05	9e-16	7e-06
6:	5.2116e+00	5.2116e+00	3e-06	8e-07	1e-15	7e-08
7:	5.2116e+00	5.2116e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0719e+00	1.0685e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1355e+00	2.1339e+00	2e+00	5e-01	1e-15	5e-02
3:	2.5656e+00	2.5652e+00	3e-01	1e-01	9e-16	1e-02
4:	2.6154e+00	2.6152e+00	8e-02	3e-02	3e-15	2e-03
5:	2.6268e+00	2.6267e+00	7e-03	2e-03	3e-15	2e-04
6:	2.6274e+00	2.6274e+00	5e-04	1e-04	3e-14	1e-05
7:	2.6275e+00	2.6275e+00	5e-06	2e-06	3e-15	1e-07
8:	2.6275e+00	2.6275e+00	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5657e+00	1.5624e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2033e+00	3.2015e+00	1e+00	4e-01	2e-15	4e-02
3:	3.3250e+00	3.3234e+00	3e-01	1e-01	5e-15	9e-03
4:	3.3967e+00	3.3964e+00	5e-02	2e-02	1e-15	1e-03
5:	3.4051e+00	3.4051e+00	6e-03	2e-03	7e-15	2e-04
6:	3.4065e+00	3.4065e+00	2e-04	5e-05	5e-16	5e-06
7:	3.4066e+00	3.4066e+00	2e-06	5e-07	5e-16	5e-08
8:	3.4066e+00	3.4066e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7091e+00	1.7068e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8392e+00	2.8380e+00	2e+00	5e-01	3e-15	5e-02
3:	3.1270e+00	3.1266e+00	3e-01	1e-01	7e-16	8e-03
4:	3.1809e+00	3.1808e+00	5e-02	1e-02	2e-15	1e-03
5:	3.1915e+00	3.1915e+00	6e-03	2e-03	1e-15	2e-04
6:	3.1928e+00	3.1928e+00	7e-05	2e-05	1e-15	2e-06
7:	3.1928e+00	3.1928e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3134e+00	2.3114e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7831e+00	3.7819e+00	2e+00	7e-01	1e-15	6e-02
3:	4.2230e+00	4.2226e+00	5e-01	1e-01	2e-15	1e-02
4:	4.2676e+00	4.2675e+00	8e-02	3e-02	4e-15	2e-03
5:	4.2872e+00	4.2872e+00	1e-02	4e-03	5e-15	3e-04
6:	4.2886e+00	4.2886e+00	2e-03	6e-04	1e-13	5e-05
7:	4.2890e+00	4.2890e+00	2e-05	7e-06	4e-15	6e-07
8:	4.2890e+00	4.2890e+00	2e-07	7e-08	4e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.0224e-01	7.9969e-01	4e+00	1e+00	2e-16	2e-01
2:	2.2197e+00	2.2179e+00	9e-01	3e-01	1e-15	3e-02
3:	2.3561e+00	2.3551e+00	2e-01	7e-02	2e-15	7e-03
4:	2.3898e+00	2.3898e+00	1e-02	3e-03	9e-16	3e-04
5:	2.3915e+00	2.3915e+00	2e-04	5e-05	8e-15	5e-06
6:	2.3915e+00	2.3915e+00	2e-06	5e-07	7e-15	5e-08
7:	2.3915e+00	2.3915e+00	2e-08	5e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.4132e-01	7.3855e-01	5e+00	1e+00	1e-16	2e-01
2:	1.9350e+00	1.9331e+00	1e+00	3e-01	1e-15	4e-02
3:	2.1944e+00	2.1934e+00	3e-01	1e-01	1e-15	1e-02
4:	2.2378e+00	2.2375e+00	9e-02	3e-02	2e-15	3e-03
5:	2.2450e+00	2.2449e+00	1e-02	4e-03	4e-15	4e-04
6:	2.2460e+00	2.2460e+00	2e-04	7e-05	5e-15	7e-06
7:	2.2461e+00	2.2461e+00	2e-06	7e-07	4e-15	7e-08
8:	2.2461e+00	2.2461e+00	2e-08	7e-09	5e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3838e-01	9.3568e-01	5e+00	1e+00	2e-16	2e-01
2:	2.1948e+00	2.1928e+00	1e+00	4e-01	9e-16	5e-02
3:	2.4230e+00	2.4221e+00	5e-01	1e-01	1e-15	2e-02
4:	2.4620e+00	2.4614e+00	9e-02	3e-02	2e-15	2e-03
5:	2.4804e+00	2.4802e+00	3e-02	8e-03	1e-15	7e-04
6:	2.4842e+00	2.4842e+00	1e-03	3e-04	7e-15	3e-05
7:	2.4844e+00	2.4844e+00	1e-05	3e-06	2e-15	3e-07
8:	2.4844e+00	2.4844e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8485e+00	1.8453e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0236e+00	3.0220e+00	1e+00	4e-01	2e-15	3e-02
3:	3.3610e+00	3.3604e+00	3e-01	1e-01	9e-16	1e-02
4:	3.4156e+00	3.4155e+00	1e-02	5e-03	1e-15	4e-04
5:	3.4184e+00	3.4184e+00	1e-04	5e-05	4e-16	4e-06
6:	3.4184e+00	3.4184e+00	1e-06	5e-07	6e-16	4e-08
7:	3.4184e+00	3.4184e+00	1e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0506e+00	2.0475e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1098e+00	4.1085e+00	1e+00	4e-01	1e-15	4e-02
3:	4.2043e+00	4.2029e+00	5e-01	2e-01	5e-15	1e-02

4:	4.3128e+00	4.3126e+00	6e-02	2e-02	2e-15	2e-03
5:	4.3216e+00	4.3216e+00	3e-03	1e-03	7e-15	9e-05
6:	4.3223e+00	4.3223e+00	3e-05	1e-05	9e-16	9e-07
7:	4.3223e+00	4.3223e+00	3e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.9591e-01	7.9373e-01	4e+00	1e+00	3e-16	2e-01
2:	2.2003e+00	2.1982e+00	9e-01	3e-01	1e-15	3e-02
3:	2.2826e+00	2.2810e+00	3e-01	9e-02	2e-15	9e-03
4:	2.3418e+00	2.3413e+00	8e-02	3e-02	1e-15	3e-03
5:	2.3491e+00	2.3490e+00	1e-02	3e-03	6e-15	3e-04
6:	2.3509e+00	2.3509e+00	1e-04	4e-05	2e-15	3e-06
7:	2.3509e+00	2.3509e+00	1e-06	4e-07	1e-15	3e-08
8:	2.3509e+00	2.3509e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8541e+00	1.8544e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9831e+00	2.9832e+00	9e-01	3e-01	4e-15	2e-02
3:	3.1352e+00	3.1352e+00	4e-01	1e-01	3e-15	1e-02
4:	3.2344e+00	3.2344e+00	3e-02	1e-02	6e-16	8e-04
5:	3.2396e+00	3.2396e+00	8e-04	3e-04	7e-16	2e-05
6:	3.2398e+00	3.2398e+00	8e-06	3e-06	7e-16	2e-07
7:	3.2398e+00	3.2398e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2466e+00	2.2435e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8099e+00	3.8080e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9982e+00	3.9973e+00	5e-01	2e-01	2e-15	2e-02
4:	4.0860e+00	4.0858e+00	8e-02	3e-02	1e-15	2e-03
5:	4.1017e+00	4.1017e+00	2e-02	6e-03	2e-15	5e-04
6:	4.1046e+00	4.1046e+00	2e-03	5e-04	8e-15	4e-05
7:	4.1050e+00	4.1050e+00	2e-05	5e-06	9e-16	4e-07
8:	4.1050e+00	4.1050e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9281e-01	9.8946e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1681e+00	2.1666e+00	1e+00	4e-01	1e-15	3e-02
3:	2.5505e+00	2.5500e+00	3e-01	8e-02	2e-15	7e-03
4:	2.5938e+00	2.5937e+00	5e-02	1e-02	3e-15	1e-03
5:	2.5989e+00	2.5989e+00	3e-03	1e-03	1e-14	8e-05
6:	2.5994e+00	2.5994e+00	3e-05	1e-05	3e-15	8e-07
7:	2.5994e+00	2.5994e+00	3e-07	1e-07	4e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3839e+00	1.3806e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6950e+00	2.6933e+00	2e+00	5e-01	9e-16	5e-02
3:	2.9069e+00	2.9059e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9714e+00	2.9713e+00	5e-02	1e-02	1e-15	1e-03
5:	2.9809e+00	2.9809e+00	2e-03	5e-04	3e-15	4e-05
6:	2.9811e+00	2.9811e+00	2e-05	5e-06	3e-15	4e-07
7:	2.9811e+00	2.9811e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8035e+00	2.8037e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1086e+00	4.1087e+00	2e+00	6e-01	4e-15	5e-02
3:	4.5366e+00	4.5366e+00	6e-01	2e-01	1e-15	1e-02
4:	4.6260e+00	4.6261e+00	1e-01	4e-02	4e-15	3e-03
5:	4.6526e+00	4.6526e+00	2e-02	7e-03	3e-15	5e-04
6:	4.6568e+00	4.6568e+00	3e-04	9e-05	2e-15	7e-06
7:	4.6569e+00	4.6569e+00	3e-06	9e-07	3e-15	7e-08
8:	4.6569e+00	4.6569e+00	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3615e+00	1.3586e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7883e+00	2.7865e+00	1e+00	4e-01	2e-15	5e-02
3:	2.8763e+00	2.8754e+00	3e-01	1e-01	3e-15	1e-02
4:	2.9487e+00	2.9481e+00	1e-01	3e-02	1e-15	3e-03
5:	2.9552e+00	2.9549e+00	4e-02	1e-02	3e-15	9e-04
6:	2.9606e+00	2.9606e+00	6e-03	2e-03	1e-15	2e-04
7:	2.9616e+00	2.9616e+00	2e-03	7e-04	5e-16	5e-05
8:	2.9616e+00	2.9616e+00	2e-03	6e-04	6e-15	5e-05
9:	2.9619e+00	2.9619e+00	1e-04	3e-05	2e-15	3e-06
10:	2.9619e+00	2.9619e+00	1e-06	3e-07	1e-15	3e-08
11:	2.9619e+00	2.9619e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2298e+00	1.2265e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2272e+00	2.2242e+00	2e+00	7e-01	3e-15	6e-02
3:	2.4171e+00	2.4159e+00	4e-01	1e-01	1e-15	1e-02
4:	2.5377e+00	2.5372e+00	1e-01	3e-02	6e-16	3e-03
5:	2.5451e+00	2.5449e+00	3e-02	1e-02	3e-15	9e-04
6:	2.5515e+00	2.5515e+00	2e-03	7e-04	2e-15	6e-05
7:	2.5519e+00	2.5519e+00	3e-05	9e-06	1e-14	7e-07
8:	2.5519e+00	2.5519e+00	3e-07	9e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5328e+00	2.5296e+00	6e+00	2e+00	2e-16	2e-01

2:	4.5214e+00	4.5202e+00	1e+00	4e-01	2e-15	4e-02
3:	4.7688e+00	4.7683e+00	4e-01	1e-01	4e-15	1e-02
4:	4.8094e+00	4.8093e+00	5e-02	2e-02	5e-15	1e-03
5:	4.8177e+00	4.8177e+00	6e-03	2e-03	2e-15	1e-04
6:	4.8188e+00	4.8188e+00	3e-04	1e-04	5e-15	8e-06
7:	4.8188e+00	4.8188e+00	3e-06	1e-06	2e-15	8e-08
8:	4.8188e+00	4.8188e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.3819e-01	5.3622e-01	4e+00	1e+00	3e-16	2e-01
2:	1.5077e+00	1.5056e+00	9e-01	3e-01	8e-16	3e-02
3:	1.6373e+00	1.6367e+00	2e-01	5e-02	1e-15	5e-03
4:	1.6650e+00	1.6648e+00	4e-02	1e-02	8e-16	1e-03
5:	1.6674e+00	1.6674e+00	6e-03	2e-03	6e-15	2e-04
6:	1.6684e+00	1.6684e+00	1e-04	4e-05	5e-16	4e-06
7:	1.6685e+00	1.6685e+00	1e-06	4e-07	2e-15	4e-08
8:	1.6685e+00	1.6685e+00	1e-08	4e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0916e+00	1.0891e+00	4e+00	1e+00	2e-16	2e-01
2:	2.6554e+00	2.6530e+00	1e+00	4e-01	1e-15	5e-02
3:	2.9224e+00	2.9215e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9394e+00	2.9389e+00	1e-01	4e-02	2e-14	4e-03
5:	2.9601e+00	2.9600e+00	1e-02	4e-03	2e-15	4e-04
6:	2.9623e+00	2.9623e+00	1e-04	4e-05	1e-15	4e-06
7:	2.9623e+00	2.9623e+00	1e-06	4e-07	1e-15	4e-08
8:	2.9623e+00	2.9623e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5129e+00	1.5097e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6687e+00	2.6668e+00	1e+00	4e-01	2e-15	3e-02
3:	2.8890e+00	2.8883e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9444e+00	2.9443e+00	7e-02	2e-02	1e-15	2e-03
5:	2.9566e+00	2.9565e+00	2e-02	7e-03	4e-15	6e-04
6:	2.9584e+00	2.9584e+00	4e-03	1e-03	2e-14	1e-04
7:	2.9592e+00	2.9592e+00	2e-04	5e-05	2e-15	4e-06
8:	2.9592e+00	2.9592e+00	2e-06	5e-07	3e-15	4e-08
9:	2.9592e+00	2.9592e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1280e+00	1.1251e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3323e+00	2.3301e+00	2e+00	5e-01	2e-15	6e-02
3:	2.6190e+00	2.6174e+00	5e-01	2e-01	3e-15	2e-02
4:	2.6680e+00	2.6674e+00	2e-01	6e-02	3e-15	6e-03

5:	2.6751e+00	2.6749e+00	5e-02	1e-02	4e-15	1e-03
6:	2.6831e+00	2.6830e+00	8e-03	3e-03	4e-15	2e-04
7:	2.6840e+00	2.6840e+00	2e-04	7e-05	3e-14	6e-06
8:	2.6840e+00	2.6840e+00	2e-06	7e-07	2e-14	6e-08
9:	2.6840e+00	2.6840e+00	2e-08	7e-09	4e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9367e+00	2.9337e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8086e+00	4.8077e+00	1e+00	3e-01	3e-15	3e-02
3:	5.0637e+00	5.0634e+00	2e-01	5e-02	3e-15	4e-03
4:	5.0870e+00	5.0870e+00	1e-02	3e-03	2e-15	3e-04
5:	5.0881e+00	5.0881e+00	9e-04	3e-04	1e-13	2e-05
6:	5.0882e+00	5.0882e+00	9e-06	3e-06	1e-14	2e-07
7:	5.0882e+00	5.0882e+00	9e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5508e+00	1.5485e+00	6e+00	2e+00	3e-16	2e-01
2:	2.5540e+00	2.5531e+00	1e+00	4e-01	3e-15	4e-02
3:	2.8244e+00	2.8242e+00	2e-01	8e-02	1e-15	6e-03
4:	2.8875e+00	2.8874e+00	7e-02	2e-02	7e-16	2e-03
5:	2.8963e+00	2.8963e+00	8e-03	3e-03	4e-15	2e-04
6:	2.8974e+00	2.8974e+00	1e-04	4e-05	3e-15	3e-06
7:	2.8974e+00	2.8974e+00	1e-06	4e-07	3e-15	3e-08
8:	2.8974e+00	2.8974e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3531e-01	3.3391e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9573e-01	9.9334e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6893e-01	9.6477e-01	3e-01	9e-02	4e-15	7e-03
4:	9.9970e-01	9.9965e-01	4e-03	1e-03	4e-16	9e-05
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	5e-16	9e-09
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	3e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6856e-01	5.6526e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9565e-01	9e-01	3e-01	1e-15	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	7e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	9e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00

1:	3.0683e-01	3.0569e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9556e-01	9.9306e-01	1e+00	4e-01	9e-16	5e-02
3:	9.5796e-01	9.5276e-01	3e-01	1e-01	4e-15	8e-03
4:	9.9960e-01	9.9953e-01	5e-03	2e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1080e-01	5.0781e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9718e-01	9.9508e-01	1e+00	4e-01	3e-15	4e-02
3:	9.9982e-01	9.9977e-01	1e-02	5e-03	7e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	3e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	8e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8542e-01	3.8354e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9644e-01	9.9384e-01	2e+00	5e-01	6e-16	6e-02
3:	9.9014e-01	9.8805e-01	2e-01	5e-02	3e-15	4e-03
4:	9.9990e-01	9.9988e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4333e-01	3.4186e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9608e-01	9.9342e-01	2e+00	5e-01	2e-15	6e-02
3:	9.7987e-01	9.7615e-01	3e-01	8e-02	2e-15	6e-03
4:	9.9980e-01	9.9976e-01	3e-03	9e-04	4e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	2e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5937e-01	5.5610e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9556e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9992e-01	9.9990e-01	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	4e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9976e-01	3.9775e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9666e-01	9.9398e-01	2e+00	5e-01	2e-15	6e-02

3:	9.9374e-01	9.9227e-01	1e-01	4e-02	2e-15	3e-03
4:	9.9994e-01	9.9992e-01	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6525e-01	3.6357e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9628e-01	9.9364e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8602e-01	9.8320e-01	2e-01	6e-02	3e-15	5e-03
4:	9.9986e-01	9.9983e-01	2e-03	7e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4136e-01	4.3893e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9662e-01	9.9439e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9581e-01	9.9492e-01	8e-02	2e-02	1e-15	2e-03
4:	9.9996e-01	9.9995e-01	8e-04	2e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9643e-01	3.9445e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9657e-01	9.9394e-01	2e+00	5e-01	7e-16	6e-02
3:	9.9262e-01	9.9096e-01	1e-01	4e-02	1e-15	3e-03
4:	9.9993e-01	9.9991e-01	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1361e-01	4.1146e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9669e-01	9.9411e-01	2e+00	5e-01	7e-16	6e-02
3:	9.9486e-01	9.9367e-01	1e-01	3e-02	2e-15	2e-03
4:	9.9995e-01	9.9994e-01	1e-03	3e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9697e-01	4.9407e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9687e-01	9.9494e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9915e-01	9.9897e-01	3e-02	8e-03	9e-16	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	5e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	5e-16	7e-08

```

6: 1.0000e+00 1.0000e+00 3e-08 8e-09 4e-16 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.9966e-01 6.9683e-01 5e+00 2e+00 2e-16 1e-01
2: 9.9712e-01 9.9697e-01 1e-01 4e-02 3e-15 3e-03
3: 9.9997e-01 9.9997e-01 1e-03 4e-04 2e-16 3e-05
4: 1.0000e+00 1.0000e+00 1e-05 4e-06 3e-16 3e-07
5: 1.0000e+00 1.0000e+00 1e-07 4e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.5569e-01 6.5247e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9693e-01 9.9652e-01 2e-01 7e-02 3e-15 6e-03
3: 9.9997e-01 9.9997e-01 2e-03 7e-04 3e-16 6e-05
4: 1.0000e+00 1.0000e+00 2e-05 7e-06 3e-16 6e-07
5: 1.0000e+00 1.0000e+00 2e-07 7e-08 2e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 4.5145e-01 4.4894e-01 5e+00 1e+00 2e-16 2e-01
2: 9.9688e-01 9.9449e-01 2e+00 5e-01 2e-15 6e-02
3: 9.9792e-01 9.9744e-01 4e-02 1e-02 3e-15 1e-03
4: 9.9998e-01 9.9997e-01 4e-04 1e-04 4e-16 1e-05
5: 1.0000e+00 1.0000e+00 4e-06 1e-06 3e-16 1e-07
6: 1.0000e+00 1.0000e+00 4e-08 1e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.2172e-01 6.1838e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9693e-01 9.9618e-01 4e-01 1e-01 3e-15 1e-02
3: 9.9997e-01 9.9996e-01 4e-03 1e-03 2e-16 1e-04
4: 1.0000e+00 1.0000e+00 4e-05 1e-05 4e-16 1e-06
5: 1.0000e+00 1.0000e+00 4e-07 1e-07 3e-16 1e-08
6: 1.0000e+00 1.0000e+00 4e-09 1e-09 3e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 5.7889e-01 5.7556e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9703e-01 9.9576e-01 7e-01 2e-01 1e-15 2e-02
3: 9.9996e-01 9.9995e-01 7e-03 2e-03 4e-16 2e-04
4: 1.0000e+00 1.0000e+00 7e-05 2e-05 6e-16 2e-06
5: 1.0000e+00 1.0000e+00 7e-07 2e-07 2e-16 2e-08
6: 1.0000e+00 1.0000e+00 7e-09 2e-09 3e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.0734e-01 5.0437e-01 5e+00 2e+00 2e-16 2e-01

```

2:	9.9702e-01	9.9504e-01	1e+00	4e-01	9e-16	4e-02
3:	9.9971e-01	9.9964e-01	2e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	6e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	2e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9894e-01	3.9694e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9659e-01	9.9397e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9294e-01	9.9135e-01	1e-01	4e-02	2e-15	3e-03
4:	9.9993e-01	9.9991e-01	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2361e-01	6.2027e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9620e-01	4e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6213e-01	4.5953e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9694e-01	9.9460e-01	2e+00	5e-01	8e-16	5e-02
3:	9.9856e-01	9.9824e-01	3e-02	1e-02	1e-15	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	4e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	3e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7445e-01	5.7114e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9701e-01	9.9571e-01	8e-01	2e-01	1e-15	2e-02
3:	9.9995e-01	9.9994e-01	8e-03	3e-03	7e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	3e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	3e-07	4e-16	2e-08
6:	1.0000e+00	1.0000e+00	8e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.9377e-01	2.9274e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9544e-01	9.9293e-01	1e+00	4e-01	6e-16	5e-02
3:	9.5143e-01	9.4554e-01	4e-01	1e-01	7e-16	9e-03
4:	9.9955e-01	9.9946e-01	6e-03	2e-03	3e-16	1e-04
5:	1.0000e+00	9.9999e-01	6e-05	2e-05	5e-16	1e-06

6:	1.0000e+00	1.0000e+00	6e-07	2e-07	2e-16	1e-08
7:	1.0000e+00	1.0000e+00	6e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4598e-01	5.4278e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9710e-01	9.9543e-01	1e+00	3e-01	1e-15	3e-02
3:	9.9993e-01	9.9990e-01	1e-02	3e-03	4e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	5e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.2887e-01	2.2821e-01	3e+00	8e-01	2e-16	1e-01
2:	9.9458e-01	9.9228e-01	7e-01	2e-01	4e-16	3e-02
3:	9.2456e-01	9.1996e-01	5e-01	1e-01	3e-15	2e-02
4:	9.9938e-01	9.9920e-01	2e-02	5e-03	6e-16	6e-04
5:	9.9999e-01	9.9999e-01	2e-04	5e-05	2e-15	6e-06
6:	1.0000e+00	1.0000e+00	2e-06	5e-07	1e-15	6e-08
7:	1.0000e+00	1.0000e+00	2e-08	5e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0656e-01	5.0360e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9504e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9964e-01	9.9957e-01	2e-02	5e-03	6e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	3e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5036e-01	2.4967e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9492e-01	9.9250e-01	1e+00	3e-01	5e-16	4e-02
3:	9.3656e-01	9.3093e-01	5e-01	2e-01	4e-15	2e-02
4:	9.9945e-01	9.9931e-01	1e-02	4e-03	4e-16	4e-04
5:	9.9999e-01	9.9999e-01	1e-04	4e-05	1e-15	4e-06
6:	1.0000e+00	1.0000e+00	1e-06	4e-07	4e-16	4e-08
7:	1.0000e+00	1.0000e+00	1e-08	4e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7335e-01	3.7159e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9620e-01	9.9372e-01	1e+00	5e-01	1e-15	6e-02
3:	9.8537e-01	9.8267e-01	2e-01	6e-02	4e-15	5e-03
4:	9.9986e-01	9.9983e-01	2e-03	7e-04	4e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	5e-07



```

6: 1.0000e+00 1.0000e+00 2e-07 7e-08 4e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.1023e-01 4.0811e-01 4e+00 1e+00 2e-16 2e-01
2: 9.9653e-01 9.9408e-01 2e+00 5e-01 1e-15 6e-02
3: 9.9309e-01 9.9161e-01 1e-01 4e-02 8e-16 3e-03
4: 9.9993e-01 9.9992e-01 1e-03 4e-04 3e-16 3e-05
5: 1.0000e+00 1.0000e+00 1e-05 4e-06 3e-16 3e-07
6: 1.0000e+00 1.0000e+00 1e-07 4e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.4500e-01 5.4181e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9711e-01 9.9542e-01 1e+00 3e-01 2e-15 3e-02
3: 9.9992e-01 9.9990e-01 1e-02 3e-03 9e-16 3e-04
4: 1.0000e+00 1.0000e+00 1e-04 3e-05 4e-16 3e-06
5: 1.0000e+00 1.0000e+00 1e-06 3e-07 7e-16 3e-08
6: 1.0000e+00 1.0000e+00 1e-08 3e-09 3e-16 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.0875e-01 5.0578e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9702e-01 9.9506e-01 1e+00 4e-01 2e-15 4e-02
3: 9.9972e-01 9.9965e-01 2e-02 5e-03 1e-15 5e-04
4: 1.0000e+00 1.0000e+00 2e-04 5e-05 3e-16 5e-06
5: 1.0000e+00 1.0000e+00 2e-06 5e-07 4e-16 5e-08
6: 1.0000e+00 1.0000e+00 2e-08 5e-09 4e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 3.5145e-01 3.4990e-01 4e+00 1e+00 2e-16 1e-01
2: 9.9593e-01 9.9350e-01 1e+00 4e-01 1e-15 5e-02
3: 9.7707e-01 9.7355e-01 2e-01 8e-02 2e-15 6e-03
4: 9.9978e-01 9.9974e-01 3e-03 9e-04 3e-16 7e-05
5: 1.0000e+00 1.0000e+00 3e-05 9e-06 3e-16 7e-07
6: 1.0000e+00 1.0000e+00 3e-07 9e-08 4e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 3.6322e-01 3.6155e-01 4e+00 1e+00 2e-16 1e-01
2: 9.9608e-01 9.9362e-01 1e+00 4e-01 3e-16 5e-02
3: 9.8179e-01 9.7873e-01 2e-01 7e-02 2e-15 6e-03
4: 9.9982e-01 9.9979e-01 2e-03 8e-04 4e-16 6e-05
5: 1.0000e+00 1.0000e+00 2e-05 8e-06 5e-16 6e-07
6: 1.0000e+00 1.0000e+00 2e-07 8e-08 5e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2933e-01	3.2798e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9574e-01	9.9328e-01	1e+00	4e-01	9e-16	5e-02
3:	9.6818e-01	9.6388e-01	3e-01	9e-02	2e-15	7e-03
4:	9.9969e-01	9.9964e-01	4e-03	1e-03	3e-16	9e-05
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	5e-16	9e-07
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	9e-09
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	3e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3308e-01	5.2995e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9530e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9988e-01	9.9985e-01	1e-02	4e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	3e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	9e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6555e-01	4.6291e-01	5e+00	1e+00	1e-16	2e-01
2:	9.9680e-01	9.9463e-01	1e+00	5e-01	1e-15	5e-02
3:	9.9802e-01	9.9760e-01	4e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	2e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1744e-01	3.1621e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9563e-01	9.9316e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6324e-01	9.5830e-01	3e-01	1e-01	2e-15	8e-03
4:	9.9965e-01	9.9958e-01	5e-03	1e-03	2e-16	1e-04
5:	1.0000e+00	1.0000e+00	5e-05	1e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	1e-07	4e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8003e-01	4.7727e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9694e-01	9.9477e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9903e-01	9.9881e-01	3e-02	9e-03	4e-16	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	9e-05	3e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	5e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	3.7751e-01	3.7571e-01	4e+00	1e+00	1e-16	1e-01
2:	9.9633e-01	9.9376e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8783e-01	9.8541e-01	2e-01	6e-02	5e-15	5e-03
4:	9.9988e-01	9.9985e-01	2e-03	6e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9258e-01	4.8972e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9701e-01	9.9490e-01	1e+00	4e-01	2e-15	5e-02
3:	9.9949e-01	9.9938e-01	2e-02	6e-03	2e-15	6e-04
4:	9.9999e-01	9.9999e-01	2e-04	6e-05	6e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	4e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1111e-01	5.0811e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9508e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9969e-01	9.9962e-01	2e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	4e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	5e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1486e-01	4.1270e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9661e-01	9.9413e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9422e-01	9.9294e-01	1e-01	3e-02	2e-15	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3428e-01	6.3097e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9692e-01	9.9631e-01	3e-01	1e-01	3e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	4e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	2e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8361e-01	4.8082e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9481e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9912e-01	9.9893e-01	3e-02	8e-03	4e-16	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	3e-16	7e-06

5:	1.0000e+00	1.0000e+00	3e-06	8e-07	4e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7112e-01	3.6938e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9612e-01	9.9369e-01	1e+00	4e-01	1e-15	5e-02
3:	9.8345e-01	9.8060e-01	2e-01	7e-02	3e-15	5e-03
4:	9.9984e-01	9.9981e-01	2e-03	7e-04	4e-16	6e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	5e-16	6e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.7576e-01	2.7488e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9515e-01	9.9275e-01	9e-01	3e-01	7e-16	3e-02
3:	9.4697e-01	9.4221e-01	4e-01	1e-01	3e-15	1e-02
4:	9.9951e-01	9.9942e-01	8e-03	2e-03	5e-16	2e-04
5:	1.0000e+00	9.9999e-01	8e-05	2e-05	9e-16	2e-06
6:	1.0000e+00	1.0000e+00	8e-07	2e-07	8e-16	2e-08
7:	1.0000e+00	1.0000e+00	8e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.8901e-01	5.8567e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9699e-01	9.9586e-01	7e-01	2e-01	2e-15	2e-02
3:	9.9996e-01	9.9995e-01	7e-03	2e-03	8e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.7168e-01	2.7083e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9514e-01	9.9271e-01	9e-01	3e-01	8e-16	4e-02
3:	9.4045e-01	9.3523e-01	4e-01	1e-01	2e-15	1e-02
4:	9.9944e-01	9.9935e-01	7e-03	2e-03	4e-16	2e-04
5:	9.9999e-01	9.9999e-01	7e-05	2e-05	7e-16	2e-06
6:	1.0000e+00	1.0000e+00	7e-07	2e-07	9e-16	2e-08
7:	1.0000e+00	1.0000e+00	7e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8818e-01	6.8523e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9706e-01	9.9685e-01	2e-01	5e-02	4e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	4e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.9079e-01	6.8860e-01	4e+00	1e+00	3e-16	2e-01
2:	1.8862e+00	1.8837e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9701e+00	1.9674e+00	2e-01	7e-02	4e-15	6e-03
4:	1.9997e+00	1.9997e+00	3e-03	9e-04	5e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	5e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2815e-01	8.2574e-01	4e+00	1e+00	1e-16	2e-01
2:	1.9712e+00	1.9691e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9628e+00	1.9611e+00	2e-01	7e-02	4e-15	6e-03
4:	1.9996e+00	1.9996e+00	2e-03	8e-04	5e-16	7e-05
5:	2.0000e+00	2.0000e+00	2e-05	8e-06	6e-16	7e-07
6:	2.0000e+00	2.0000e+00	2e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1123e+00	1.1089e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9347e+00	1.9332e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9986e+00	1.9986e+00	2e-02	6e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	5e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	8e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.8900e-01	4.8695e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4942e+00	1.4920e+00	9e-01	3e-01	9e-16	3e-02
3:	1.6756e+00	1.6751e+00	1e-01	4e-02	6e-16	4e-03
4:	1.6986e+00	1.6986e+00	1e-02	3e-03	3e-15	3e-04
5:	1.6995e+00	1.6995e+00	9e-04	3e-04	7e-14	3e-05
6:	1.6997e+00	1.6997e+00	9e-06	3e-06	5e-15	3e-07
7:	1.6997e+00	1.6997e+00	9e-08	3e-08	7e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.9181e-01	5.8959e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7201e+00	1.7177e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9366e+00	1.9359e+00	2e-01	7e-02	2e-15	7e-03
4:	1.9690e+00	1.9687e+00	6e-02	2e-02	3e-15	2e-03
5:	1.9835e+00	1.9833e+00	2e-02	7e-03	2e-15	7e-04
6:	1.9868e+00	1.9868e+00	2e-03	7e-04	5e-15	6e-05
7:	1.9872e+00	1.9872e+00	2e-05	7e-06	9e-15	6e-07
8:	1.9872e+00	1.9872e+00	2e-07	7e-08	4e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.2029e-01	6.1843e-01	4e+00	1e+00	2e-16	1e-01
2:	1.9179e+00	1.9157e+00	9e-01	3e-01	8e-16	3e-02
3:	1.9956e+00	1.9942e+00	3e-01	9e-02	2e-15	1e-02
4:	1.9978e+00	1.9976e+00	2e-02	6e-03	7e-15	5e-04
5:	2.0000e+00	2.0000e+00	2e-04	6e-05	1e-15	5e-06
6:	2.0000e+00	2.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	2.0000e+00	2.0000e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.0157e-01	8.9836e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8884e+00	1.8862e+00	2e+00	5e-01	9e-16	5e-02
3:	1.9772e+00	1.9757e+00	2e-01	6e-02	2e-15	5e-03
4:	1.9998e+00	1.9998e+00	2e-03	6e-04	2e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0234e+00	1.0200e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9449e+00	1.9431e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9931e+00	1.9926e+00	8e-02	3e-02	3e-15	2e-03
4:	1.9999e+00	1.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	8e-06	3e-06	6e-16	2e-07
6:	2.0000e+00	2.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.4577e-01	5.4365e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6243e+00	1.6222e+00	9e-01	3e-01	9e-16	3e-02
3:	1.8246e+00	1.8235e+00	3e-01	8e-02	1e-15	8e-03
4:	1.8827e+00	1.8825e+00	5e-02	1e-02	1e-15	2e-03
5:	1.8873e+00	1.8872e+00	8e-03	3e-03	2e-14	2e-04
6:	1.8889e+00	1.8889e+00	9e-05	3e-05	4e-15	3e-06
7:	1.8889e+00	1.8889e+00	9e-07	3e-07	1e-15	3e-08
8:	1.8889e+00	1.8889e+00	9e-09	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1397e+00	1.1364e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9504e+00	1.9492e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9989e+00	1.9988e+00	2e-02	6e-03	3e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	4e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.2656e-01	5.2468e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6020e+00	1.6000e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9433e+00	1.9427e+00	2e-01	8e-02	8e-16	9e-03
4:	1.9973e+00	1.9971e+00	5e-02	2e-02	2e-15	2e-03
5:	1.9948e+00	1.9945e+00	3e-02	8e-03	4e-14	8e-04
6:	1.9999e+00	1.9999e+00	6e-04	2e-04	1e-14	2e-05
7:	2.0000e+00	2.0000e+00	6e-06	2e-06	2e-14	2e-07
8:	2.0000e+00	2.0000e+00	6e-08	2e-08	4e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6096e-01	4.5879e-01	4e+00	1e+00	2e-16	2e-01
2:	1.2022e+00	1.1998e+00	1e+00	4e-01	1e-15	5e-02
3:	1.4593e+00	1.4577e+00	4e-01	1e-01	6e-16	1e-02
4:	1.4695e+00	1.4681e+00	2e-01	5e-02	2e-15	5e-03
5:	1.4989e+00	1.4987e+00	3e-02	1e-02	5e-16	1e-03
6:	1.5033e+00	1.5033e+00	4e-03	1e-03	1e-15	1e-04
7:	1.5041e+00	1.5041e+00	5e-05	2e-05	7e-16	1e-06
8:	1.5041e+00	1.5041e+00	5e-07	2e-07	6e-16	1e-08
9:	1.5041e+00	1.5041e+00	5e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1360e+00	1.1328e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9184e+00	1.9169e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9984e+00	1.9983e+00	3e-02	8e-03	3e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	8e-05	8e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	8e-07	7e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2767e+00	1.2743e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9225e+00	1.9219e+00	1e+00	4e-01	9e-16	3e-02
3:	1.9983e+00	1.9983e+00	2e-02	8e-03	2e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	8e-05	5e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	8e-07	4e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	8e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.2820e-01	6.2564e-01	5e+00	1e+00	1e-16	2e-01
2:	1.7813e+00	1.7793e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9858e+00	1.9847e+00	2e-01	7e-02	7e-16	7e-03
4:	1.9858e+00	1.9851e+00	7e-02	2e-02	8e-15	2e-03
5:	1.9998e+00	1.9997e+00	2e-03	5e-04	7e-16	4e-05

6:	2.0000e+00	2.0000e+00	2e-05	5e-06	6e-15	4e-07
7:	2.0000e+00	2.0000e+00	2e-07	5e-08	6e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.9653e-01	8.9327e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9071e+00	1.9050e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9708e+00	1.9687e+00	3e-01	8e-02	8e-16	7e-03
4:	1.9997e+00	1.9997e+00	3e-03	9e-04	2e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	6e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9270e-01	7.8967e-01	5e+00	2e+00	3e-16	2e-01
2:	1.8814e+00	1.8800e+00	8e-01	3e-01	2e-15	3e-02
3:	1.9965e+00	1.9957e+00	2e-01	5e-02	5e-15	5e-03
4:	1.9998e+00	1.9998e+00	3e-03	8e-04	3e-15	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	8e-06	3e-15	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	8e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.1770e-01	8.1438e-01	6e+00	2e+00	2e-16	2e-01
2:	1.4283e+00	1.4267e+00	1e+00	4e-01	3e-15	4e-02
3:	1.8397e+00	1.8391e+00	3e-01	1e-01	9e-16	9e-03
4:	1.8538e+00	1.8533e+00	2e-01	5e-02	2e-15	4e-03
5:	1.8824e+00	1.8823e+00	4e-02	1e-02	6e-16	1e-03
6:	1.8914e+00	1.8914e+00	3e-03	1e-03	7e-16	8e-05
7:	1.8921e+00	1.8921e+00	3e-05	1e-05	9e-16	9e-07
8:	1.8921e+00	1.8921e+00	3e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0102e+00	1.0071e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9596e+00	1.9577e+00	1e+00	5e-01	2e-15	5e-02
3:	1.9967e+00	1.9965e+00	3e-02	1e-02	1e-15	9e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	3e-16	9e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	3e-16	9e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7109e-01	3.6913e-01	4e+00	1e+00	2e-16	2e-01
2:	1.3370e+00	1.3350e+00	7e-01	2e-01	8e-16	2e-02
3:	1.4363e+00	1.4358e+00	1e-01	4e-02	5e-16	4e-03
4:	1.4538e+00	1.4537e+00	1e-02	4e-03	1e-15	5e-04
5:	1.4562e+00	1.4562e+00	3e-03	9e-04	2e-14	9e-05



6:	1.4565e+00	1.4565e+00	7e-04	2e-04	1e-13	2e-05
7:	1.4566e+00	1.4566e+00	7e-06	2e-06	5e-15	2e-07
8:	1.4566e+00	1.4566e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8361e-01	8.8037e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8875e+00	1.8853e+00	1e+00	4e-01	4e-15	4e-02
3:	1.9965e+00	1.9953e+00	3e-01	1e-01	2e-15	9e-03
4:	1.9999e+00	1.9998e+00	4e-03	1e-03	2e-15	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	6e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8655e-01	7.8402e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9130e+00	1.9107e+00	2e+00	5e-01	6e-16	5e-02
3:	1.9499e+00	1.9470e+00	3e-01	9e-02	2e-15	8e-03
4:	1.9995e+00	1.9994e+00	3e-03	1e-03	3e-16	9e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	9e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.1066e-01	7.0826e-01	4e+00	1e+00	3e-16	2e-01
2:	1.9197e+00	1.9178e+00	8e-01	3e-01	1e-15	3e-02
3:	1.9826e+00	1.9810e+00	3e-01	8e-02	3e-15	8e-03
4:	1.9997e+00	1.9997e+00	4e-03	1e-03	2e-15	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	8e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	2e-15	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.2788e-01	9.2454e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8940e+00	1.8920e+00	2e+00	5e-01	4e-15	5e-02
3:	1.9721e+00	1.9704e+00	3e-01	8e-02	2e-15	6e-03
4:	1.9997e+00	1.9997e+00	3e-03	9e-04	4e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.7732e-01	9.7397e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8813e+00	1.8793e+00	2e+00	6e-01	9e-16	6e-02
3:	1.9848e+00	1.9837e+00	2e-01	5e-02	1e-15	4e-03
4:	1.9998e+00	1.9998e+00	2e-03	6e-04	2e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	2e-16	5e-07

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6: 2.0000e+00 2.0000e+00 2e-07 6e-08 4e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2496e+00 1.2473e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9225e+00 1.9217e+00 1e+00 4e-01 1e-15 4e-02
3: 1.9990e+00 1.9990e+00 2e-02 7e-03 9e-16 6e-04
4: 2.0000e+00 2.0000e+00 2e-04 7e-05 9e-16 6e-06
5: 2.0000e+00 2.0000e+00 2e-06 7e-07 4e-16 6e-08
6: 2.0000e+00 2.0000e+00 2e-08 7e-09 6e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 8.7680e-01 8.7346e-01 5e+00 2e+00 2e-16 2e-01
2: 1.8939e+00 1.8916e+00 2e+00 6e-01 2e-15 6e-02
3: 1.9630e+00 1.9609e+00 3e-01 9e-02 1e-15 7e-03
4: 1.9996e+00 1.9996e+00 3e-03 1e-03 3e-16 8e-05
5: 2.0000e+00 2.0000e+00 3e-05 1e-05 5e-16 8e-07
6: 2.0000e+00 2.0000e+00 3e-07 1e-07 4e-16 8e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 7.5487e-01 7.5262e-01 4e+00 1e+00 2e-16 2e-01
2: 1.8153e+00 1.8131e+00 1e+00 4e-01 1e-15 5e-02
3: 1.9945e+00 1.9934e+00 4e-01 1e-01 2e-15 1e-02
4: 1.9897e+00 1.9888e+00 8e-02 2e-02 8e-15 2e-03
5: 1.9999e+00 1.9999e+00 9e-04 3e-04 1e-15 2e-05
6: 2.0000e+00 2.0000e+00 9e-06 3e-06 1e-15 2e-07
7: 2.0000e+00 2.0000e+00 9e-08 3e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 5.6598e-01 5.6432e-01 4e+00 1e+00 2e-16 1e-01
2: 1.7018e+00 1.6994e+00 1e+00 4e-01 6e-16 4e-02
3: 1.8569e+00 1.8551e+00 4e-01 1e-01 1e-15 1e-02
4: 1.9217e+00 1.9214e+00 5e-02 2e-02 6e-16 2e-03
5: 1.9276e+00 1.9276e+00 6e-04 2e-04 2e-15 2e-05
6: 1.9276e+00 1.9276e+00 6e-06 2e-06 2e-15 2e-07
7: 1.9276e+00 1.9276e+00 6e-08 2e-08 2e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 5.9438e-01 5.9300e-01 3e+00 1e+00 2e-16 1e-01
2: 1.7662e+00 1.7638e+00 1e+00 4e-01 9e-16 4e-02
3: 1.9460e+00 1.9415e+00 4e-01 1e-01 4e-15 1e-02
4: 1.9834e+00 1.9820e+00 1e-01 3e-02 4e-15 2e-03
5: 1.9988e+00 1.9987e+00 9e-03 3e-03 1e-15 2e-04
6: 2.0000e+00 2.0000e+00 9e-05 3e-05 6e-15 2e-06

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7:	2.0000e+00	2.0000e+00	9e-07	3e-07	3e-15	2e-08
8:	2.0000e+00	2.0000e+00	9e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.4852e-01	6.4661e-01	4e+00	1e+00	1e-16	2e-01
2:	1.8391e+00	1.8370e+00	1e+00	3e-01	6e-16	4e-02
3:	1.9698e+00	1.9667e+00	3e-01	1e-01	4e-15	1e-02
4:	1.9858e+00	1.9846e+00	9e-02	3e-02	8e-15	2e-03
5:	1.9998e+00	1.9998e+00	1e-03	5e-04	1e-15	4e-05
6:	2.0000e+00	2.0000e+00	1e-05	5e-06	2e-15	4e-07
7:	2.0000e+00	2.0000e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9082e-01	8.8770e-01	5e+00	2e+00	3e-16	2e-01
2:	1.8966e+00	1.8943e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9759e+00	1.9743e+00	2e-01	6e-02	3e-15	5e-03
4:	1.9998e+00	1.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.6127e-01	9.5800e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8715e+00	1.8693e+00	2e+00	7e-01	8e-16	6e-02
3:	1.9784e+00	1.9773e+00	2e-01	7e-02	1e-15	5e-03
4:	1.9998e+00	1.9998e+00	2e-03	7e-04	2e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.1070e-01	8.0759e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8889e+00	1.8866e+00	1e+00	5e-01	2e-15	5e-02
3:	1.9539e+00	1.9516e+00	3e-01	9e-02	3e-15	7e-03
4:	1.9995e+00	1.9995e+00	3e-03	1e-03	4e-16	9e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	4e-16	9e-09
7:	2.0000e+00	2.0000e+00	3e-09	1e-09	2e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0504e+00	1.0471e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9513e+00	1.9494e+00	1e+00	4e-01	4e-15	4e-02
3:	1.9972e+00	1.9969e+00	4e-02	1e-02	1e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	1e-07

```

6: 2.0000e+00 2.0000e+00 4e-08 1e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 4.0116e-01 3.9985e-01 3e+00 1e+00 3e-16 1e-01
2: 1.2664e+00 1.2640e+00 9e-01 3e-01 1e-15 3e-02
3: 1.3741e+00 1.3734e+00 2e-01 8e-02 6e-16 9e-03
4: 1.4065e+00 1.4064e+00 3e-02 1e-02 1e-15 1e-03
5: 1.4122e+00 1.4122e+00 3e-03 1e-03 1e-15 1e-04
6: 1.4125e+00 1.4125e+00 3e-05 1e-05 5e-15 1e-06
7: 1.4125e+00 1.4125e+00 3e-07 1e-07 3e-15 1e-08
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 8.0211e-01 7.9968e-01 4e+00 1e+00 2e-16 2e-01
2: 1.9224e+00 1.9202e+00 1e+00 4e-01 1e-15 5e-02
3: 1.9907e+00 1.9890e+00 3e-01 9e-02 3e-15 9e-03
4: 1.9998e+00 1.9998e+00 5e-03 1e-03 3e-15 1e-04
5: 2.0000e+00 2.0000e+00 5e-05 1e-05 1e-15 1e-06
6: 2.0000e+00 2.0000e+00 5e-07 1e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 9.3726e-01 9.3394e-01 5e+00 2e+00 2e-16 2e-01
2: 1.9043e+00 1.9029e+00 1e+00 3e-01 3e-15 3e-02
3: 1.9354e+00 1.9342e+00 3e-01 1e-01 2e-15 9e-03
4: 1.9990e+00 1.9990e+00 6e-03 2e-03 3e-16 2e-04
5: 2.0000e+00 2.0000e+00 6e-05 2e-05 7e-16 2e-06
6: 2.0000e+00 2.0000e+00 6e-07 2e-07 7e-16 2e-08
7: 2.0000e+00 2.0000e+00 6e-09 2e-09 5e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.1913e-01 9.1649e-01 5e+00 1e+00 2e-16 2e-01
2: 1.9648e+00 1.9629e+00 1e+00 4e-01 2e-15 4e-02
3: 1.9782e+00 1.9772e+00 1e-01 4e-02 5e-15 4e-03
4: 1.9998e+00 1.9998e+00 1e-03 5e-04 4e-16 4e-05
5: 2.0000e+00 2.0000e+00 1e-05 5e-06 3e-16 4e-07
6: 2.0000e+00 2.0000e+00 1e-07 5e-08 5e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 5.6080e-01 5.5923e-01 4e+00 1e+00 2e-16 1e-01
2: 1.7296e+00 1.7273e+00 8e-01 3e-01 9e-16 3e-02
3: 1.8215e+00 1.8203e+00 3e-01 8e-02 1e-15 9e-03
4: 1.8425e+00 1.8422e+00 6e-02 2e-02 2e-15 2e-03
5: 1.8490e+00 1.8489e+00 2e-02 5e-03 4e-15 5e-04
6: 1.8518e+00 1.8518e+00 2e-03 6e-04 1e-15 6e-05

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7:	1.8521e+00	1.8521e+00	2e-05	7e-06	1e-15	6e-07
8:	1.8521e+00	1.8521e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.9480e-01	5.9274e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5202e+00	1.5182e+00	9e-01	3e-01	1e-15	3e-02
3:	1.6535e+00	1.6528e+00	2e-01	5e-02	7e-16	6e-03
4:	1.6923e+00	1.6920e+00	6e-02	2e-02	6e-16	2e-03
5:	1.6996e+00	1.6995e+00	5e-03	2e-03	3e-15	1e-04
6:	1.7006e+00	1.7006e+00	6e-05	2e-05	9e-16	1e-06
7:	1.7006e+00	1.7006e+00	6e-07	2e-07	6e-16	1e-08
8:	1.7006e+00	1.7006e+00	6e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.2533e-01	8.2198e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8949e+00	1.8933e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9425e+00	1.9410e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9943e+00	1.9941e+00	5e-02	2e-02	3e-16	1e-03
5:	1.9999e+00	1.9999e+00	5e-04	2e-04	2e-15	1e-05
6:	2.0000e+00	2.0000e+00	5e-06	2e-06	2e-15	1e-07
7:	2.0000e+00	2.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7191e-01	5.6998e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6162e+00	1.6139e+00	1e+00	3e-01	1e-15	4e-02
3:	1.8078e+00	1.8070e+00	3e-01	9e-02	5e-16	1e-02
4:	1.8489e+00	1.8487e+00	3e-02	1e-02	2e-15	1e-03
5:	1.8524e+00	1.8524e+00	5e-03	2e-03	1e-15	2e-04
6:	1.8533e+00	1.8533e+00	4e-04	1e-04	1e-15	1e-05
7:	1.8534e+00	1.8534e+00	4e-06	1e-06	1e-15	1e-07
8:	1.8534e+00	1.8534e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.9256e-01	5.9051e-01	4e+00	1e+00	2e-16	2e-01
2:	1.5660e+00	1.5638e+00	1e+00	4e-01	2e-15	4e-02
3:	1.7156e+00	1.7139e+00	5e-01	2e-01	2e-15	2e-02
4:	1.7471e+00	1.7465e+00	7e-02	2e-02	1e-15	2e-03
5:	1.7599e+00	1.7597e+00	2e-02	6e-03	4e-16	5e-04
6:	1.7628e+00	1.7628e+00	4e-03	1e-03	5e-16	1e-04
7:	1.7634e+00	1.7634e+00	7e-05	2e-05	9e-16	2e-06
8:	1.7634e+00	1.7634e+00	7e-07	2e-07	8e-16	2e-08
9:	1.7634e+00	1.7634e+00	7e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7930e-01	8.7604e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8307e+00	1.8294e+00	8e-01	3e-01	8e-16	3e-02
3:	1.9949e+00	1.9942e+00	3e-01	1e-01	2e-15	1e-02
4:	1.9944e+00	1.9940e+00	5e-02	1e-02	8e-15	1e-03
5:	1.9999e+00	1.9999e+00	5e-04	2e-04	8e-16	1e-05
6:	2.0000e+00	2.0000e+00	5e-06	2e-06	1e-15	1e-07
7:	2.0000e+00	2.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5665e-01	7.5347e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9349e+00	1.9332e+00	9e-01	3e-01	5e-16	3e-02
3:	1.8998e+00	1.8973e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9989e+00	1.9989e+00	9e-03	3e-03	3e-16	2e-04
5:	2.0000e+00	2.0000e+00	9e-05	3e-05	8e-16	2e-06
6:	2.0000e+00	2.0000e+00	9e-07	3e-07	6e-16	2e-08
7:	2.0000e+00	2.0000e+00	9e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0562e+00	1.0528e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9025e+00	1.9007e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9968e+00	1.9965e+00	6e-02	2e-02	1e-15	2e-03
4:	2.0000e+00	2.0000e+00	6e-04	2e-04	5e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	7e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9913e-01	8.9599e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8988e+00	1.8969e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9960e+00	1.9949e+00	2e-01	8e-02	7e-16	7e-03
4:	2.0000e+00	1.9999e+00	2e-03	8e-04	7e-16	7e-05
5:	2.0000e+00	2.0000e+00	2e-05	8e-06	9e-16	7e-07
6:	2.0000e+00	2.0000e+00	2e-07	8e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.4644e-01	8.4312e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8717e+00	1.8694e+00	2e+00	7e-01	5e-16	6e-02
3:	1.9231e+00	1.9204e+00	5e-01	2e-01	2e-15	1e-02
4:	1.9992e+00	1.9991e+00	8e-03	3e-03	2e-16	2e-04
5:	2.0000e+00	2.0000e+00	8e-05	3e-05	3e-16	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	3e-07	4e-16	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	3e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3065e+00	1.3036e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9620e+00	1.9615e+00	7e-01	2e-01	9e-16	2e-02
3:	1.9996e+00	1.9996e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	6e-16	2e-08
6:	2.0000e+00	2.0000e+00	7e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.0452e-01	6.0265e-01	4e+00	1e+00	2e-16	1e-01
2:	1.6427e+00	1.6405e+00	1e+00	3e-01	1e-15	4e-02
3:	1.8030e+00	1.8021e+00	2e-01	7e-02	1e-15	7e-03
4:	1.8559e+00	1.8557e+00	4e-02	1e-02	7e-16	1e-03
5:	1.8629e+00	1.8629e+00	8e-03	2e-03	7e-15	3e-04
6:	1.8636e+00	1.8636e+00	1e-03	4e-04	4e-14	3e-05
7:	1.8638e+00	1.8638e+00	9e-05	3e-05	3e-15	2e-06
8:	1.8638e+00	1.8638e+00	9e-07	3e-07	2e-14	2e-08
9:	1.8638e+00	1.8638e+00	9e-09	3e-09	3e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.4482e-01	8.4150e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8692e+00	1.8672e+00	2e+00	5e-01	1e-15	5e-02
3:	2.1965e+00	2.1956e+00	4e-01	1e-01	6e-16	1e-02
4:	2.2393e+00	2.2392e+00	2e-02	5e-03	1e-15	4e-04
5:	2.2412e+00	2.2412e+00	1e-03	3e-04	6e-16	3e-05
6:	2.2414e+00	2.2414e+00	3e-04	1e-04	5e-16	9e-06
7:	2.2415e+00	2.2415e+00	4e-05	1e-05	2e-15	1e-06
8:	2.2415e+00	2.2415e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1457e+00	1.1425e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6287e+00	2.6266e+00	1e+00	5e-01	2e-15	5e-02
3:	2.9626e+00	2.9617e+00	3e-01	1e-01	8e-16	9e-03
4:	2.9872e+00	2.9867e+00	1e-01	3e-02	8e-15	3e-03
5:	2.9999e+00	2.9998e+00	4e-03	1e-03	1e-14	1e-04
6:	3.0000e+00	3.0000e+00	4e-05	1e-05	2e-14	1e-06
7:	3.0000e+00	3.0000e+00	4e-07	1e-07	2e-14	1e-08
8:	3.0000e+00	3.0000e+00	4e-09	1e-09	1e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6435e+00	1.6401e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9473e+00	2.9460e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9946e+00	2.9943e+00	4e-02	1e-02	3e-15	1e-03
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	4e-16	1e-05

5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8775e-01	8.8474e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2733e+00	2.2716e+00	8e-01	3e-01	2e-15	3e-02
3:	2.5068e+00	2.5059e+00	3e-01	8e-02	2e-15	8e-03
4:	2.5441e+00	2.5439e+00	5e-02	2e-02	4e-15	2e-03
5:	2.5540e+00	2.5540e+00	4e-03	1e-03	5e-15	1e-04
6:	2.5547e+00	2.5547e+00	4e-05	1e-05	5e-15	1e-06
7:	2.5547e+00	2.5547e+00	4e-07	1e-07	6e-15	1e-08
8:	2.5547e+00	2.5547e+00	4e-09	1e-09	5e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2931e+00	1.2898e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7159e+00	2.7144e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9832e+00	2.9823e+00	3e-01	1e-01	2e-15	1e-02
4:	2.9946e+00	2.9944e+00	3e-02	1e-02	1e-14	8e-04
5:	2.9999e+00	2.9999e+00	3e-04	1e-04	1e-15	8e-06
6:	3.0000e+00	3.0000e+00	3e-06	1e-06	1e-15	8e-08
7:	3.0000e+00	3.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	9.5886e-01	9.5694e-01	4e+00	1e+00	2e-16	2e-01
2:	2.6279e+00	2.6258e+00	9e-01	3e-01	1e-15	3e-02
3:	2.6949e+00	2.6932e+00	3e-01	8e-02	5e-15	8e-03
4:	2.7494e+00	2.7491e+00	5e-02	2e-02	8e-16	2e-03
5:	2.7610e+00	2.7610e+00	3e-03	1e-03	3e-15	8e-05
6:	2.7616e+00	2.7616e+00	3e-05	1e-05	2e-15	8e-07
7:	2.7616e+00	2.7616e+00	3e-07	1e-07	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2543e-01	4.2346e-01	4e+00	1e+00	1e-16	2e-01
2:	1.3810e+00	1.3786e+00	1e+00	4e-01	1e-15	4e-02
3:	1.5905e+00	1.5896e+00	2e-01	8e-02	7e-16	9e-03
4:	1.6398e+00	1.6396e+00	3e-02	1e-02	9e-16	1e-03
5:	1.6419e+00	1.6419e+00	6e-03	2e-03	5e-15	2e-04
6:	1.6430e+00	1.6430e+00	6e-05	2e-05	8e-16	2e-06
7:	1.6430e+00	1.6430e+00	6e-07	2e-07	2e-15	2e-08
8:	1.6430e+00	1.6430e+00	6e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.8164e-01	7.7842e-01	5e+00	2e+00	2e-16	2e-01



2:	1.7585e+00	1.7566e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9366e+00	1.9356e+00	3e-01	1e-01	2e-15	1e-02
4:	2.0172e+00	2.0170e+00	6e-02	2e-02	7e-16	2e-03
5:	2.0270e+00	2.0270e+00	4e-03	1e-03	2e-15	1e-04
6:	2.0279e+00	2.0279e+00	3e-04	1e-04	2e-15	9e-06
7:	2.0279e+00	2.0279e+00	3e-06	1e-06	3e-15	9e-08
8:	2.0279e+00	2.0279e+00	3e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6358e+00	1.6329e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8605e+00	2.8594e+00	1e+00	5e-01	1e-15	4e-02
3:	2.9879e+00	2.9876e+00	1e-01	3e-02	4e-15	2e-03
4:	2.9999e+00	2.9999e+00	1e-03	3e-04	5e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3246e+00	1.3213e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8564e+00	2.8549e+00	1e+00	3e-01	6e-16	3e-02
3:	2.9156e+00	2.9140e+00	4e-01	1e-01	4e-15	1e-02
4:	2.9989e+00	2.9988e+00	1e-02	4e-03	7e-16	4e-04
5:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	4e-06
6:	3.0000e+00	3.0000e+00	1e-06	4e-07	2e-15	4e-08
7:	3.0000e+00	3.0000e+00	1e-08	4e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2630e+00	1.2602e+00	5e+00	1e+00	3e-16	2e-01
2:	2.9183e+00	2.9166e+00	1e+00	3e-01	8e-16	3e-02
3:	2.9330e+00	2.9312e+00	2e-01	8e-02	6e-15	7e-03
4:	2.9993e+00	2.9993e+00	3e-03	1e-03	5e-16	9e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	6e-16	9e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	6e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3513e+00	1.3480e+00	6e+00	2e+00	2e-16	2e-01
2:	2.5953e+00	2.5937e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9631e+00	2.9622e+00	6e-01	2e-01	1e-15	2e-02
4:	2.9671e+00	2.9662e+00	2e-01	5e-02	3e-15	4e-03
5:	2.9996e+00	2.9996e+00	2e-03	7e-04	5e-16	6e-05
6:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-16	6e-07
7:	3.0000e+00	3.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	4.2184e-01	4.1942e-01	4e+00	1e+00	2e-16	2e-01
2:	1.1809e+00	1.1787e+00	1e+00	4e-01	2e-15	5e-02
3:	1.5254e+00	1.5247e+00	3e-01	1e-01	7e-16	1e-02
4:	1.5763e+00	1.5761e+00	4e-02	1e-02	1e-15	1e-03
5:	1.5823e+00	1.5823e+00	1e-03	5e-04	2e-15	5e-05
6:	1.5824e+00	1.5824e+00	2e-05	5e-06	2e-15	5e-07
7:	1.5824e+00	1.5824e+00	2e-07	5e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4907e+00	1.4874e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8998e+00	2.8981e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9817e+00	2.9812e+00	1e-01	3e-02	3e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	6e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3069e+00	1.3036e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7980e+00	2.7961e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9820e+00	2.9810e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9990e+00	2.9990e+00	7e-03	2e-03	4e-15	2e-04
5:	3.0000e+00	3.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	3.0000e+00	3.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0670e+00	1.0639e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4988e+00	2.4968e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8622e+00	2.8614e+00	2e-01	7e-02	3e-15	6e-03
4:	2.8604e+00	2.8596e+00	1e-01	4e-02	8e-15	4e-03
5:	2.8855e+00	2.8854e+00	7e-03	2e-03	3e-15	2e-04
6:	2.8869e+00	2.8869e+00	9e-04	3e-04	2e-14	2e-05
7:	2.8870e+00	2.8870e+00	3e-04	8e-05	3e-14	7e-06
8:	2.8871e+00	2.8871e+00	6e-06	2e-06	4e-14	1e-07
9:	2.8871e+00	2.8871e+00	6e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7060e-01	8.6776e-01	5e+00	1e+00	2e-16	2e-01
2:	2.0090e+00	2.0073e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4047e+00	2.4039e+00	3e-01	9e-02	2e-15	9e-03
4:	2.4390e+00	2.4385e+00	1e-01	3e-02	2e-15	3e-03
5:	2.4660e+00	2.4660e+00	4e-03	1e-03	4e-16	1e-04
6:	2.4669e+00	2.4669e+00	4e-05	1e-05	1e-15	1e-06
7:	2.4669e+00	2.4669e+00	4e-07	1e-07	1e-15	1e-08
8:	2.4669e+00	2.4669e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4639e+00	1.4606e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8420e+00	2.8401e+00	1e+00	4e-01	2e-15	5e-02
3:	2.9787e+00	2.9778e+00	4e-01	1e-01	4e-15	1e-02
4:	2.9994e+00	2.9993e+00	6e-03	2e-03	5e-15	2e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	2e-15	2e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.5996e-01	9.5692e-01	5e+00	2e+00	2e-16	2e-01
2:	2.4015e+00	2.3996e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6968e+00	2.6960e+00	3e-01	1e-01	1e-15	1e-02
4:	2.7490e+00	2.7489e+00	3e-02	9e-03	2e-15	9e-04
5:	2.7544e+00	2.7544e+00	1e-03	4e-04	7e-15	4e-05
6:	2.7547e+00	2.7547e+00	1e-05	4e-06	2e-15	4e-07
7:	2.7547e+00	2.7547e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1782e+00	1.1748e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5208e+00	2.5193e+00	1e+00	4e-01	6e-16	4e-02
3:	2.8223e+00	2.8217e+00	3e-01	8e-02	3e-15	8e-03
4:	2.8593e+00	2.8593e+00	2e-02	5e-03	2e-15	5e-04
5:	2.8634e+00	2.8634e+00	5e-03	2e-03	1e-15	1e-04
6:	2.8637e+00	2.8637e+00	2e-03	7e-04	8e-15	6e-05
7:	2.8641e+00	2.8641e+00	6e-05	2e-05	3e-15	2e-06
8:	2.8642e+00	2.8642e+00	6e-07	2e-07	4e-15	2e-08
9:	2.8642e+00	2.8642e+00	6e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.6123e-01	3.6025e-01	3e+00	1e+00	2e-16	1e-01
2:	1.2847e+00	1.2822e+00	1e+00	4e-01	4e-16	5e-02
3:	1.4586e+00	1.4561e+00	3e-01	1e-01	1e-15	1e-02
4:	1.5053e+00	1.5043e+00	1e-01	4e-02	8e-16	4e-03
5:	1.5154e+00	1.5153e+00	1e-02	4e-03	2e-15	4e-04
6:	1.5174e+00	1.5173e+00	2e-03	5e-04	2e-15	5e-05
7:	1.5177e+00	1.5177e+00	2e-05	7e-06	5e-16	6e-07
8:	1.5177e+00	1.5177e+00	2e-07	7e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9130e-01	7.8883e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0369e+00	2.0345e+00	1e+00	4e-01	8e-16	5e-02
3:	2.1833e+00	2.1817e+00	3e-01	1e-01	1e-15	1e-02

4:	2.2305e+00	2.2302e+00	5e-02	2e-02	1e-15	1e-03
5:	2.2438e+00	2.2437e+00	1e-02	4e-03	5e-16	4e-04
6:	2.2450e+00	2.2450e+00	5e-03	2e-03	2e-15	1e-04
7:	2.2460e+00	2.2460e+00	6e-05	2e-05	2e-15	2e-06
8:	2.2460e+00	2.2460e+00	6e-07	2e-07	1e-15	2e-08
9:	2.2460e+00	2.2460e+00	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	1.6275e-01	1.6168e-01	3e+00	1e+00	2e-16	1e-01
2:	6.4318e-01	6.4069e-01	9e-01	3e-01	6e-16	4e-02
3:	7.7577e-01	7.7511e-01	1e-01	5e-02	4e-16	5e-03
4:	8.0458e-01	8.0434e-01	3e-02	1e-02	5e-16	1e-03
5:	8.0880e-01	8.0879e-01	7e-04	2e-04	1e-15	2e-05
6:	8.0893e-01	8.0893e-01	7e-06	2e-06	6e-16	2e-07
7:	8.0893e-01	8.0893e-01	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3383e+00	1.3350e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5392e+00	2.5371e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9331e+00	2.9321e+00	7e-01	2e-01	1e-15	2e-02
4:	2.9780e+00	2.9771e+00	1e-01	4e-02	2e-15	3e-03
5:	2.9998e+00	2.9998e+00	2e-03	5e-04	4e-16	4e-05
6:	3.0000e+00	3.0000e+00	2e-05	5e-06	5e-16	4e-07
7:	3.0000e+00	3.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2800e+00	1.2768e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3079e+00	2.3063e+00	2e+00	6e-01	1e-15	5e-02
3:	2.6243e+00	2.6238e+00	4e-01	1e-01	8e-16	1e-02
4:	2.7441e+00	2.7440e+00	8e-02	2e-02	1e-15	2e-03
5:	2.7478e+00	2.7478e+00	4e-02	1e-02	8e-15	1e-03
6:	2.7527e+00	2.7527e+00	6e-03	2e-03	2e-15	1e-04
7:	2.7537e+00	2.7537e+00	1e-04	5e-05	7e-15	4e-06
8:	2.7538e+00	2.7538e+00	1e-06	5e-07	6e-15	4e-08
9:	2.7538e+00	2.7538e+00	1e-08	5e-09	7e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5412e+00	1.5381e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8714e+00	2.8700e+00	1e+00	4e-01	3e-15	4e-02
3:	2.9765e+00	2.9759e+00	2e-01	6e-02	2e-15	5e-03
4:	2.9998e+00	2.9997e+00	2e-03	7e-04	4e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	3e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4864e+00	1.4830e+00	5e+00	2e+00	3e-16	2e-01
2:	2.9194e+00	2.9179e+00	9e-01	3e-01	3e-15	3e-02
3:	2.9604e+00	2.9594e+00	2e-01	7e-02	3e-15	6e-03
4:	2.9996e+00	2.9996e+00	3e-03	8e-04	4e-16	7e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	4e-16	7e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7938e+00	1.7917e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8967e+00	2.8961e+00	1e+00	4e-01	4e-15	3e-02
3:	2.9832e+00	2.9830e+00	1e-01	3e-02	3e-15	2e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.4822e-01	4.4649e-01	4e+00	1e+00	2e-16	1e-01
2:	1.5624e+00	1.5602e+00	7e-01	2e-01	9e-16	3e-02
3:	1.6184e+00	1.6174e+00	2e-01	5e-02	1e-15	6e-03
4:	1.6632e+00	1.6630e+00	3e-02	9e-03	7e-16	8e-04
5:	1.6648e+00	1.6646e+00	1e-02	4e-03	4e-15	4e-04
6:	1.6676e+00	1.6676e+00	4e-04	1e-04	2e-15	1e-05
7:	1.6676e+00	1.6676e+00	4e-06	1e-06	4e-15	1e-07
8:	1.6676e+00	1.6676e+00	4e-08	1e-08	7e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4898e+00	1.4864e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7801e+00	2.7786e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9695e+00	2.9687e+00	5e-01	2e-01	1e-15	2e-02
4:	2.9984e+00	2.9983e+00	2e-02	5e-03	2e-15	4e-04
5:	3.0000e+00	3.0000e+00	2e-04	5e-05	5e-16	4e-06
6:	3.0000e+00	3.0000e+00	2e-06	5e-07	7e-16	4e-08
7:	3.0000e+00	3.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.6726e-01	9.6391e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1803e+00	2.1783e+00	1e+00	5e-01	1e-15	4e-02
3:	2.2966e+00	2.2955e+00	3e-01	8e-02	1e-15	7e-03
4:	2.3584e+00	2.3580e+00	8e-02	2e-02	4e-16	2e-03
5:	2.3708e+00	2.3707e+00	1e-02	3e-03	3e-15	3e-04
6:	2.3728e+00	2.3728e+00	1e-04	5e-05	7e-16	4e-06
7:	2.3728e+00	2.3728e+00	1e-06	5e-07	2e-15	4e-08

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8: 2.3728e+00 2.3728e+00 1e-08 5e-09 9e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.8828e-01 9.8512e-01 5e+00 2e+00 2e-16 2e-01
2: 2.2783e+00 2.2764e+00 1e+00 4e-01 3e-15 4e-02
3: 2.4494e+00 2.4484e+00 3e-01 1e-01 1e-15 1e-02
4: 2.4858e+00 2.4854e+00 5e-02 1e-02 1e-15 1e-03
5: 2.4966e+00 2.4965e+00 1e-02 3e-03 6e-16 2e-04
6: 2.4980e+00 2.4980e+00 1e-03 5e-04 2e-15 4e-05
7: 2.4983e+00 2.4983e+00 2e-05 5e-06 8e-16 4e-07
8: 2.4983e+00 2.4983e+00 2e-07 5e-08 8e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.1182e-01 5.0869e-01 5e+00 2e+00 2e-16 2e-01
2: 1.3316e+00 1.3299e+00 9e-01 3e-01 3e-16 3e-02
3: 1.5793e+00 1.5784e+00 3e-01 9e-02 1e-15 8e-03
4: 1.6387e+00 1.6383e+00 6e-02 2e-02 1e-15 2e-03
5: 1.6500e+00 1.6500e+00 5e-03 2e-03 2e-15 1e-04
6: 1.6509e+00 1.6509e+00 9e-04 3e-04 2e-14 2e-05
7: 1.6510e+00 1.6510e+00 2e-05 5e-06 4e-14 4e-07
8: 1.6510e+00 1.6510e+00 2e-07 5e-08 2e-14 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.4049e+00 1.4019e+00 5e+00 2e+00 2e-16 2e-01
2: 2.9350e+00 2.9329e+00 1e+00 5e-01 1e-15 5e-02
3: 2.9836e+00 2.9828e+00 9e-02 3e-02 2e-15 2e-03
4: 2.9998e+00 2.9998e+00 9e-04 3e-04 5e-16 2e-05
5: 3.0000e+00 3.0000e+00 9e-06 3e-06 5e-16 2e-07
6: 3.0000e+00 3.0000e+00 9e-08 3e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.6575e-01 9.6258e-01 5e+00 2e+00 2e-16 2e-01
2: 2.1813e+00 2.1797e+00 1e+00 4e-01 6e-16 4e-02
3: 2.4460e+00 2.4453e+00 4e-01 1e-01 7e-16 1e-02
4: 2.5050e+00 2.5046e+00 8e-02 2e-02 1e-15 2e-03
5: 2.5206e+00 2.5206e+00 5e-03 1e-03 2e-15 1e-04
6: 2.5217e+00 2.5217e+00 5e-05 1e-05 7e-16 1e-06
7: 2.5217e+00 2.5217e+00 5e-07 1e-07 7e-16 1e-08
8: 2.5217e+00 2.5217e+00 5e-09 1e-09 7e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.2581e+00 1.2550e+00 6e+00 2e+00 2e-16 2e-01
2: 2.2394e+00 2.2383e+00 1e+00 5e-01 1e-15 4e-02

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3:	2.7371e+00	2.7368e+00	3e-01	1e-01	7e-16	9e-03
4:	2.7710e+00	2.7708e+00	1e-01	3e-02	3e-15	3e-03
5:	2.7932e+00	2.7931e+00	1e-02	5e-03	2e-15	4e-04
6:	2.7968e+00	2.7968e+00	8e-04	2e-04	1e-14	2e-05
7:	2.7970e+00	2.7970e+00	8e-06	3e-06	2e-14	2e-07
8:	2.7970e+00	2.7970e+00	8e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.5862e-01	9.5566e-01	5e+00	2e+00	2e-16	2e-01
2:	2.4580e+00	2.4561e+00	1e+00	3e-01	2e-15	3e-02
3:	2.7348e+00	2.7342e+00	3e-01	8e-02	9e-16	8e-03
4:	2.7639e+00	2.7635e+00	7e-02	2e-02	3e-15	2e-03
5:	2.7754e+00	2.7754e+00	3e-03	9e-04	4e-15	8e-05
6:	2.7760e+00	2.7760e+00	3e-05	9e-06	2e-15	8e-07
7:	2.7760e+00	2.7760e+00	3e-07	9e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5928e+00	1.5895e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9441e+00	2.9429e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9897e+00	2.9894e+00	7e-02	2e-02	6e-15	2e-03
4:	2.9999e+00	2.9999e+00	7e-04	2e-04	6e-16	2e-05
5:	3.0000e+00	3.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4620e+00	1.4588e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9066e+00	2.9047e+00	1e+00	4e-01	2e-15	5e-02
3:	2.9814e+00	2.9808e+00	1e-01	3e-02	4e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0150e+00	1.0117e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1011e+00	2.0996e+00	1e+00	4e-01	2e-15	4e-02
3:	2.3512e+00	2.3505e+00	4e-01	1e-01	1e-15	1e-02
4:	2.4491e+00	2.4489e+00	5e-02	2e-02	4e-16	1e-03
5:	2.4577e+00	2.4577e+00	4e-03	1e-03	1e-14	1e-04
6:	2.4584e+00	2.4584e+00	4e-05	1e-05	7e-15	1e-06
7:	2.4584e+00	2.4584e+00	4e-07	1e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2015e+00	1.1986e+00	5e+00	2e+00	3e-16	2e-01

2:	2.7383e+00	2.7364e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9390e+00	2.9382e+00	3e-01	1e-01	6e-16	1e-02
4:	2.9982e+00	2.9979e+00	8e-02	3e-02	9e-15	3e-03
5:	2.9997e+00	2.9997e+00	2e-03	7e-04	2e-14	6e-05
6:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-15	6e-07
7:	3.0000e+00	3.0000e+00	2e-07	7e-08	5e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.7627e-01	9.7297e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1627e+00	2.1611e+00	1e+00	3e-01	2e-15	3e-02
3:	2.3770e+00	2.3766e+00	1e-01	4e-02	7e-16	4e-03
4:	2.4103e+00	2.4103e+00	1e-02	3e-03	9e-16	3e-04
5:	2.4123e+00	2.4123e+00	1e-04	3e-05	8e-16	3e-06
6:	2.4123e+00	2.4123e+00	1e-06	3e-07	1e-15	3e-08
7:	2.4123e+00	2.4123e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0476e+00	1.0447e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4514e+00	2.4496e+00	1e+00	4e-01	3e-15	4e-02
3:	2.6138e+00	2.6124e+00	4e-01	1e-01	1e-15	1e-02
4:	2.6701e+00	2.6699e+00	3e-02	1e-02	2e-15	1e-03
5:	2.6784e+00	2.6784e+00	2e-03	7e-04	6e-16	7e-05
6:	2.6789e+00	2.6789e+00	2e-05	7e-06	8e-16	7e-07
7:	2.6789e+00	2.6789e+00	2e-07	7e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3533e+00	1.3507e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8578e+00	2.8565e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9128e+00	2.9120e+00	5e-01	1e-01	2e-15	1e-02
4:	2.9990e+00	2.9990e+00	7e-03	2e-03	6e-16	2e-04
5:	3.0000e+00	3.0000e+00	7e-05	2e-05	6e-16	2e-06
6:	3.0000e+00	3.0000e+00	7e-07	2e-07	7e-16	2e-08
7:	3.0000e+00	3.0000e+00	7e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0763e+00	1.0731e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2195e+00	2.2180e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4276e+00	2.4270e+00	3e-01	8e-02	1e-15	8e-03
4:	2.4840e+00	2.4838e+00	5e-02	2e-02	2e-15	1e-03
5:	2.4911e+00	2.4911e+00	1e-03	3e-04	3e-15	3e-05
6:	2.4913e+00	2.4913e+00	1e-05	3e-06	8e-16	3e-07
7:	2.4913e+00	2.4913e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4357e+00	1.4328e+00	6e+00	2e+00	2e-16	2e-01
2:	2.3089e+00	2.3075e+00	1e+00	5e-01	2e-15	4e-02
3:	2.6705e+00	2.6699e+00	4e-01	1e-01	6e-16	1e-02
4:	2.7564e+00	2.7562e+00	1e-01	3e-02	1e-15	3e-03
5:	2.7832e+00	2.7832e+00	2e-02	6e-03	9e-16	5e-04
6:	2.7870e+00	2.7870e+00	1e-03	3e-04	3e-15	3e-05
7:	2.7872e+00	2.7872e+00	1e-05	3e-06	2e-15	3e-07
8:	2.7872e+00	2.7872e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.6819e-01	4.6659e-01	4e+00	1e+00	2e-16	1e-01
2:	1.4741e+00	1.4717e+00	1e+00	3e-01	6e-16	4e-02
3:	1.6756e+00	1.6747e+00	3e-01	1e-01	5e-16	1e-02
4:	1.7178e+00	1.7175e+00	7e-02	2e-02	1e-15	2e-03
5:	1.7306e+00	1.7305e+00	2e-02	5e-03	1e-15	5e-04
6:	1.7328e+00	1.7327e+00	5e-04	1e-04	7e-15	1e-05
7:	1.7328e+00	1.7328e+00	5e-06	1e-06	3e-15	1e-07
8:	1.7328e+00	1.7328e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6563e+00	1.6534e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9008e+00	2.8998e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9785e+00	2.9780e+00	1e-01	4e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8809e+00	1.8834e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8534e+00	2.8539e+00	8e-01	3e-01	6e-16	2e-02
3:	2.9859e+00	2.9861e+00	2e-01	6e-02	2e-15	5e-03
4:	2.9988e+00	2.9989e+00	9e-03	3e-03	6e-15	2e-04
5:	3.0000e+00	3.0000e+00	9e-05	3e-05	2e-15	2e-06
6:	3.0000e+00	3.0000e+00	9e-07	3e-07	1e-15	2e-08
7:	3.0000e+00	3.0000e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8904e+00	1.8873e+00	6e+00	2e+00	3e-16	2e-01
2:	3.2557e+00	3.2538e+00	1e+00	4e-01	5e-15	4e-02
3:	3.4559e+00	3.4552e+00	4e-01	1e-01	2e-15	1e-02
4:	3.5739e+00	3.5738e+00	9e-02	3e-02	1e-15	3e-03
5:	3.5958e+00	3.5958e+00	3e-03	9e-04	2e-15	7e-05
6:	3.5963e+00	3.5963e+00	3e-05	9e-06	4e-15	7e-07

7: 3.5963e+00 3.5963e+00 3e-07 9e-08 4e-15 7e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1734e+00	1.1701e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4188e+00	2.4170e+00	2e+00	5e-01	2e-15	5e-02
3:	2.6868e+00	2.6863e+00	2e-01	8e-02	7e-16	7e-03
4:	2.7327e+00	2.7327e+00	4e-02	1e-02	1e-15	1e-03
5:	2.7469e+00	2.7469e+00	7e-03	2e-03	1e-15	2e-04
6:	2.7474e+00	2.7474e+00	3e-03	1e-03	1e-14	8e-05
7:	2.7482e+00	2.7482e+00	4e-05	1e-05	4e-15	1e-06
8:	2.7482e+00	2.7482e+00	4e-07	1e-07	8e-15	1e-08
9:	2.7482e+00	2.7482e+00	4e-09	1e-09	5e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.7560e-01	6.7381e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7560e+00	1.7536e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9579e+00	1.9567e+00	3e-01	9e-02	2e-15	1e-02
4:	2.0065e+00	2.0059e+00	1e-01	3e-02	3e-15	3e-03
5:	2.0308e+00	2.0307e+00	2e-02	7e-03	2e-15	7e-04
6:	2.0344e+00	2.0344e+00	2e-03	7e-04	5e-15	7e-05
7:	2.0349e+00	2.0349e+00	2e-05	8e-06	3e-15	7e-07
8:	2.0349e+00	2.0349e+00	2e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2940e+00	1.2911e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6013e+00	2.5997e+00	2e+00	6e-01	2e-15	5e-02
3:	2.8711e+00	2.8701e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9559e+00	2.9557e+00	8e-02	2e-02	5e-16	2e-03
5:	2.9658e+00	2.9657e+00	2e-02	5e-03	3e-15	4e-04
6:	2.9693e+00	2.9693e+00	2e-04	8e-05	8e-16	6e-06
7:	2.9694e+00	2.9694e+00	2e-06	8e-07	4e-16	6e-08
8:	2.9694e+00	2.9694e+00	2e-08	8e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6557e+00	1.6524e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5766e+00	3.5752e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8567e+00	3.8564e+00	2e-01	7e-02	1e-15	7e-03
4:	3.8825e+00	3.8824e+00	9e-02	3e-02	7e-15	3e-03
5:	3.8994e+00	3.8994e+00	2e-02	6e-03	2e-15	5e-04
6:	3.9022e+00	3.9022e+00	6e-04	2e-04	1e-14	2e-05
7:	3.9023e+00	3.9023e+00	6e-06	2e-06	4e-15	2e-07
8:	3.9023e+00	3.9023e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0254e+00	1.0220e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3253e+00	2.3236e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5444e+00	2.5430e+00	4e-01	1e-01	2e-15	1e-02
4:	2.6309e+00	2.6307e+00	6e-02	2e-02	6e-16	2e-03
5:	2.6366e+00	2.6366e+00	2e-02	5e-03	9e-15	4e-04
6:	2.6400e+00	2.6400e+00	7e-04	2e-04	1e-15	2e-05
7:	2.6401e+00	2.6401e+00	7e-06	2e-06	5e-15	2e-07
8:	2.6401e+00	2.6401e+00	7e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9946e-01	9.9611e-01	5e+00	2e+00	2e-16	2e-01
2:	2.4930e+00	2.4912e+00	1e+00	4e-01	2e-15	4e-02
3:	2.6752e+00	2.6730e+00	4e-01	1e-01	1e-15	1e-02
4:	2.7580e+00	2.7574e+00	1e-01	4e-02	7e-16	3e-03
5:	2.7801e+00	2.7800e+00	1e-02	4e-03	9e-16	3e-04
6:	2.7829e+00	2.7829e+00	2e-04	6e-05	8e-16	5e-06
7:	2.7829e+00	2.7829e+00	2e-06	6e-07	1e-15	5e-08
8:	2.7829e+00	2.7829e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6166e+00	1.6133e+00	5e+00	2e+00	3e-16	2e-01
2:	2.9327e+00	2.9313e+00	1e+00	4e-01	1e-15	3e-02
3:	3.2391e+00	3.2386e+00	3e-01	1e-01	8e-16	9e-03
4:	3.2866e+00	3.2866e+00	1e-02	5e-03	2e-15	4e-04
5:	3.2894e+00	3.2894e+00	1e-03	4e-04	6e-16	3e-05
6:	3.2896e+00	3.2896e+00	2e-05	7e-06	5e-15	6e-07
7:	3.2896e+00	3.2896e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6474e+00	1.6440e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2338e+00	3.2319e+00	2e+00	5e-01	2e-15	5e-02
3:	3.5451e+00	3.5442e+00	6e-01	2e-01	3e-15	2e-02
4:	3.6542e+00	3.6540e+00	1e-01	3e-02	1e-15	3e-03
5:	3.6687e+00	3.6686e+00	2e-02	6e-03	5e-15	5e-04
6:	3.6729e+00	3.6729e+00	3e-04	1e-04	1e-15	9e-06
7:	3.6730e+00	3.6730e+00	3e-06	1e-06	1e-15	9e-08
8:	3.6730e+00	3.6730e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.7641e-01	5.7371e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5382e+00	1.5363e+00	1e+00	3e-01	1e-15	3e-02
3:	1.7802e+00	1.7797e+00	2e-01	5e-02	8e-16	5e-03
4:	1.8150e+00	1.8149e+00	2e-02	5e-03	2e-15	5e-04

5:	1.8171e+00	1.8171e+00	2e-04	6e-05	1e-15	5e-06
6:	1.8171e+00	1.8171e+00	2e-06	6e-07	1e-15	5e-08
7:	1.8171e+00	1.8171e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0583e+00	1.0556e+00	5e+00	1e+00	3e-16	2e-01
2:	2.4668e+00	2.4652e+00	9e-01	3e-01	1e-15	3e-02
3:	2.5589e+00	2.5582e+00	2e-01	7e-02	1e-15	7e-03
4:	2.6025e+00	2.6023e+00	6e-02	2e-02	1e-15	2e-03
5:	2.6134e+00	2.6133e+00	2e-02	5e-03	2e-15	5e-04
6:	2.6155e+00	2.6155e+00	2e-03	5e-04	3e-15	4e-05
7:	2.6158e+00	2.6158e+00	2e-05	6e-06	8e-16	4e-07
8:	2.6158e+00	2.6158e+00	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7717e-01	6.7452e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5152e+00	1.5128e+00	2e+00	5e-01	8e-16	5e-02
3:	1.7314e+00	1.7307e+00	2e-01	6e-02	5e-16	6e-03
4:	1.7760e+00	1.7758e+00	4e-02	1e-02	9e-16	1e-03
5:	1.7837e+00	1.7837e+00	3e-03	9e-04	3e-15	9e-05
6:	1.7841e+00	1.7841e+00	3e-05	1e-05	5e-15	1e-06
7:	1.7841e+00	1.7841e+00	3e-07	1e-07	7e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3470e+00	2.3443e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8037e+00	3.8027e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9764e+00	3.9761e+00	1e-01	4e-02	2e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	4e-04	4e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0860e+00	1.0836e+00	4e+00	1e+00	2e-16	2e-01
2:	2.7947e+00	2.7929e+00	9e-01	3e-01	1e-15	3e-02
3:	2.9295e+00	2.9287e+00	2e-01	7e-02	2e-15	7e-03
4:	2.9611e+00	2.9610e+00	2e-02	7e-03	3e-15	6e-04
5:	2.9653e+00	2.9653e+00	3e-04	8e-05	4e-15	8e-06
6:	2.9654e+00	2.9654e+00	3e-06	8e-07	5e-15	8e-08
7:	2.9654e+00	2.9654e+00	3e-08	8e-09	5e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1799e+00	2.1767e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5429e+00	3.5416e+00	1e+00	5e-01	2e-15	4e-02

3:	3.9338e+00	3.9332e+00	5e-01	1e-01	2e-15	1e-02
4:	3.9921e+00	3.9919e+00	4e-02	1e-02	6e-15	1e-03
5:	3.9999e+00	3.9999e+00	4e-04	1e-04	7e-16	1e-05
6:	4.0000e+00	4.0000e+00	4e-06	1e-06	9e-16	1e-07
7:	4.0000e+00	4.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5396e+00	1.5363e+00	5e+00	2e+00	3e-16	2e-01
2:	3.8438e+00	3.8422e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9025e+00	3.9020e+00	1e-01	4e-02	3e-15	3e-03
4:	3.9214e+00	3.9214e+00	9e-03	3e-03	4e-15	2e-04
5:	3.9226e+00	3.9226e+00	1e-04	3e-05	2e-14	3e-06
6:	3.9226e+00	3.9226e+00	1e-06	3e-07	2e-14	3e-08
7:	3.9226e+00	3.9226e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1885e+00	1.1851e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6650e+00	2.6629e+00	1e+00	5e-01	1e-15	4e-02
3:	2.8680e+00	2.8669e+00	5e-01	2e-01	1e-15	1e-02
4:	2.9906e+00	2.9902e+00	1e-01	4e-02	5e-16	4e-03
5:	3.0123e+00	3.0122e+00	3e-02	8e-03	3e-15	6e-04
6:	3.0186e+00	3.0186e+00	3e-04	1e-04	5e-16	8e-06
7:	3.0187e+00	3.0187e+00	3e-06	1e-06	5e-16	8e-08
8:	3.0187e+00	3.0187e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8296e+00	1.8264e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3733e+00	3.3718e+00	2e+00	5e-01	4e-15	5e-02
3:	3.6658e+00	3.6653e+00	5e-01	1e-01	1e-15	1e-02
4:	3.7308e+00	3.7305e+00	1e-01	4e-02	4e-15	3e-03
5:	3.7442e+00	3.7442e+00	2e-02	7e-03	3e-15	6e-04
6:	3.7497e+00	3.7497e+00	3e-04	1e-04	8e-16	9e-06
7:	3.7498e+00	3.7498e+00	3e-06	1e-06	1e-15	9e-08
8:	3.7498e+00	3.7498e+00	3e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1234e+00	1.1200e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4685e+00	2.4669e+00	1e+00	5e-01	3e-15	4e-02
3:	2.7525e+00	2.7512e+00	4e-01	1e-01	2e-15	1e-02
4:	2.8150e+00	2.8147e+00	8e-02	3e-02	2e-15	2e-03
5:	2.8315e+00	2.8314e+00	9e-03	3e-03	7e-16	2e-04
6:	2.8339e+00	2.8339e+00	9e-04	3e-04	6e-16	3e-05
7:	2.8341e+00	2.8341e+00	1e-05	3e-06	2e-15	3e-07
8:	2.8341e+00	2.8341e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1923e+00	2.1890e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8150e+00	3.8137e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9860e+00	3.9858e+00	8e-02	2e-02	4e-15	2e-03
4:	3.9999e+00	3.9999e+00	8e-04	3e-04	7e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	3e-06	8e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4740e+00	1.4708e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4057e+00	3.4040e+00	1e+00	4e-01	1e-15	4e-02
3:	3.5909e+00	3.5897e+00	3e-01	1e-01	3e-15	1e-02
4:	3.6806e+00	3.6803e+00	7e-02	2e-02	2e-15	2e-03
5:	3.6895e+00	3.6895e+00	1e-02	4e-03	2e-14	4e-04
6:	3.6912e+00	3.6912e+00	6e-04	2e-04	5e-14	2e-05
7:	3.6913e+00	3.6913e+00	6e-06	2e-06	1e-14	2e-07
8:	3.6913e+00	3.6913e+00	6e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6430e+00	1.6397e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1923e+00	3.1908e+00	1e+00	4e-01	1e-15	4e-02
3:	3.5147e+00	3.5143e+00	2e-01	7e-02	2e-15	7e-03
4:	3.5687e+00	3.5686e+00	5e-02	2e-02	3e-15	2e-03
5:	3.5762e+00	3.5761e+00	8e-03	3e-03	1e-14	2e-04
6:	3.5780e+00	3.5780e+00	1e-04	3e-05	3e-15	3e-06
7:	3.5780e+00	3.5780e+00	1e-06	3e-07	3e-15	3e-08
8:	3.5780e+00	3.5780e+00	1e-08	3e-09	5e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4234e+00	1.4203e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8806e+00	2.8787e+00	1e+00	4e-01	1e-15	4e-02
3:	3.1307e+00	3.1302e+00	2e-01	5e-02	2e-15	5e-03
4:	3.1607e+00	3.1606e+00	2e-02	6e-03	2e-15	5e-04
5:	3.1654e+00	3.1654e+00	3e-03	1e-03	1e-15	9e-05
6:	3.1661e+00	3.1661e+00	3e-05	1e-05	1e-15	1e-06
7:	3.1661e+00	3.1661e+00	3e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8489e+00	1.8471e+00	6e+00	2e+00	3e-16	2e-01
2:	3.0832e+00	3.0825e+00	2e+00	5e-01	3e-15	4e-02
3:	3.3633e+00	3.3630e+00	5e-01	2e-01	2e-15	1e-02
4:	3.4640e+00	3.4639e+00	1e-01	3e-02	1e-15	3e-03

5:	3.4828e+00	3.4828e+00	3e-03	9e-04	8e-16	7e-05
6:	3.4832e+00	3.4832e+00	3e-05	9e-06	1e-15	7e-07
7:	3.4832e+00	3.4832e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2169e+00	1.2138e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4868e+00	2.4846e+00	2e+00	5e-01	4e-15	5e-02
3:	2.7345e+00	2.7334e+00	5e-01	2e-01	2e-15	2e-02
4:	2.8094e+00	2.8091e+00	8e-02	3e-02	1e-15	2e-03
5:	2.8189e+00	2.8188e+00	1e-02	4e-03	2e-15	3e-04
6:	2.8211e+00	2.8211e+00	6e-04	2e-04	2e-15	2e-05
7:	2.8212e+00	2.8212e+00	6e-06	2e-06	2e-15	2e-07
8:	2.8212e+00	2.8212e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9856e-01	7.9589e-01	4e+00	1e+00	2e-16	2e-01
2:	2.1174e+00	2.1156e+00	9e-01	3e-01	6e-16	3e-02
3:	2.2815e+00	2.2808e+00	2e-01	5e-02	1e-15	6e-03
4:	2.3245e+00	2.3243e+00	5e-02	2e-02	1e-15	2e-03
5:	2.3294e+00	2.3293e+00	2e-02	5e-03	9e-15	5e-04
6:	2.3329e+00	2.3329e+00	2e-04	7e-05	4e-15	6e-06
7:	2.3330e+00	2.3330e+00	2e-06	7e-07	5e-15	6e-08
8:	2.3330e+00	2.3330e+00	2e-08	7e-09	6e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.6120e-01	5.5959e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8589e+00	1.8567e+00	8e-01	3e-01	7e-16	3e-02
3:	1.9461e+00	1.9455e+00	2e-01	5e-02	6e-16	6e-03
4:	1.9594e+00	1.9593e+00	2e-02	6e-03	2e-15	6e-04
5:	1.9621e+00	1.9621e+00	2e-04	6e-05	9e-16	7e-06
6:	1.9621e+00	1.9621e+00	2e-06	6e-07	7e-16	7e-08
7:	1.9621e+00	1.9621e+00	2e-08	6e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7453e+00	1.7423e+00	6e+00	2e+00	2e-16	2e-01
2:	3.1770e+00	3.1761e+00	1e+00	3e-01	1e-15	3e-02
3:	3.4832e+00	3.4828e+00	3e-01	9e-02	2e-15	7e-03
4:	3.5317e+00	3.5315e+00	8e-02	3e-02	1e-14	2e-03
5:	3.5416e+00	3.5416e+00	3e-02	9e-03	2e-14	8e-04
6:	3.5483e+00	3.5483e+00	2e-03	6e-04	2e-15	5e-05
7:	3.5486e+00	3.5486e+00	2e-05	6e-06	9e-15	5e-07
8:	3.5486e+00	3.5486e+00	2e-07	6e-08	7e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3240e-01	9.2967e-01	5e+00	1e+00	2e-16	2e-01
2:	2.1364e+00	2.1347e+00	9e-01	3e-01	1e-15	3e-02
3:	2.2925e+00	2.2921e+00	1e-01	4e-02	9e-16	4e-03
4:	2.3308e+00	2.3308e+00	2e-02	8e-03	3e-15	8e-04
5:	2.3350e+00	2.3350e+00	9e-04	3e-04	1e-14	2e-05
6:	2.3352e+00	2.3352e+00	9e-06	3e-06	2e-15	2e-07
7:	2.3352e+00	2.3352e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2222e+00	1.2192e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7442e+00	2.7424e+00	9e-01	3e-01	1e-15	3e-02
3:	2.9272e+00	2.9268e+00	2e-01	5e-02	1e-15	5e-03
4:	2.9351e+00	2.9350e+00	3e-02	8e-03	1e-14	8e-04
5:	2.9386e+00	2.9385e+00	9e-03	3e-03	5e-15	3e-04
6:	2.9399e+00	2.9399e+00	2e-03	5e-04	3e-15	4e-05
7:	2.9400e+00	2.9400e+00	2e-05	6e-06	5e-15	5e-07
8:	2.9400e+00	2.9400e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6653e+00	1.6620e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2121e+00	3.2104e+00	2e+00	5e-01	1e-15	5e-02
3:	3.2538e+00	3.2506e+00	6e-01	2e-01	2e-14	2e-02
4:	3.3879e+00	3.3871e+00	1e-01	4e-02	3e-15	3e-03
5:	3.4094e+00	3.4093e+00	2e-02	6e-03	9e-16	5e-04
6:	3.4128e+00	3.4128e+00	2e-04	6e-05	1e-15	5e-06
7:	3.4128e+00	3.4128e+00	2e-06	6e-07	6e-16	5e-08
8:	3.4128e+00	3.4128e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.5712e-01	9.5376e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2002e+00	2.1984e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4612e+00	2.4607e+00	3e-01	8e-02	8e-16	8e-03
4:	2.5096e+00	2.5094e+00	4e-02	1e-02	9e-16	1e-03
5:	2.5163e+00	2.5163e+00	4e-04	1e-04	8e-16	1e-05
6:	2.5164e+00	2.5164e+00	4e-06	1e-06	6e-16	1e-07
7:	2.5164e+00	2.5164e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0819e+00	1.0787e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3735e+00	2.3714e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5941e+00	2.5933e+00	3e-01	8e-02	1e-15	7e-03
4:	2.6194e+00	2.6190e+00	9e-02	3e-02	1e-15	2e-03
5:	2.6404e+00	2.6403e+00	2e-02	6e-03	5e-16	5e-04



6:	2.6443e+00	2.6443e+00	3e-04	9e-05	1e-15	8e-06
7:	2.6444e+00	2.6444e+00	3e-06	9e-07	9e-16	8e-08
8:	2.6444e+00	2.6444e+00	3e-08	9e-09	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2872e+00	1.2838e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0270e+00	3.0253e+00	1e+00	3e-01	1e-15	3e-02
3:	3.2128e+00	3.2119e+00	3e-01	9e-02	2e-15	8e-03
4:	3.2659e+00	3.2657e+00	6e-02	2e-02	3e-15	2e-03
5:	3.2824e+00	3.2824e+00	1e-03	3e-04	1e-15	3e-05
6:	3.2826e+00	3.2826e+00	1e-05	3e-06	4e-15	3e-07
7:	3.2826e+00	3.2826e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7228e+00	1.7194e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4209e+00	3.4192e+00	1e+00	5e-01	3e-15	4e-02
3:	3.6620e+00	3.6609e+00	5e-01	2e-01	6e-15	2e-02
4:	3.7870e+00	3.7866e+00	2e-01	5e-02	2e-15	4e-03
5:	3.8015e+00	3.8013e+00	4e-02	1e-02	9e-15	1e-03
6:	3.8108e+00	3.8108e+00	1e-03	3e-04	1e-15	3e-05
7:	3.8111e+00	3.8111e+00	1e-05	3e-06	1e-15	3e-07
8:	3.8111e+00	3.8111e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.1940e-01	7.1715e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0734e+00	2.0711e+00	1e+00	4e-01	7e-16	4e-02
3:	2.2791e+00	2.2779e+00	3e-01	1e-01	6e-16	1e-02
4:	2.3577e+00	2.3574e+00	7e-02	2e-02	9e-16	2e-03
5:	2.3680e+00	2.3680e+00	7e-03	2e-03	9e-15	2e-04
6:	2.3687e+00	2.3687e+00	6e-04	2e-04	4e-14	2e-05
7:	2.3688e+00	2.3688e+00	5e-05	2e-05	4e-15	1e-06
8:	2.3688e+00	2.3688e+00	5e-07	2e-07	3e-14	1e-08
9:	2.3688e+00	2.3688e+00	5e-09	2e-09	3e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1603e+00	1.1570e+00	5e+00	2e+00	1e-16	2e-01
2:	2.2198e+00	2.2179e+00	2e+00	5e-01	2e-15	5e-02
3:	2.4961e+00	2.4954e+00	3e-01	1e-01	2e-15	1e-02
4:	2.5498e+00	2.5495e+00	9e-02	3e-02	4e-15	3e-03
5:	2.5607e+00	2.5607e+00	8e-03	2e-03	2e-15	2e-04
6:	2.5615e+00	2.5615e+00	1e-03	3e-04	1e-15	3e-05
7:	2.5617e+00	2.5617e+00	2e-04	7e-05	8e-16	6e-06
8:	2.5618e+00	2.5618e+00	6e-06	2e-06	4e-15	2e-07
9:	2.5618e+00	2.5618e+00	6e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.3213e-01	9.2881e-01	5e+00	2e+00	1e-16	2e-01
2:	1.7749e+00	1.7727e+00	1e+00	5e-01	3e-15	5e-02
3:	2.0683e+00	2.0672e+00	4e-01	1e-01	2e-15	1e-02
4:	2.1540e+00	2.1538e+00	8e-02	2e-02	6e-16	2e-03
5:	2.1679e+00	2.1679e+00	2e-02	6e-03	1e-15	5e-04
6:	2.1690e+00	2.1689e+00	1e-02	3e-03	1e-14	3e-04
7:	2.1707e+00	2.1707e+00	5e-03	2e-03	7e-15	1e-04
8:	2.1715e+00	2.1715e+00	3e-04	1e-04	8e-15	8e-06
9:	2.1716e+00	2.1716e+00	3e-06	1e-06	1e-14	8e-08
10:	2.1716e+00	2.1716e+00	3e-08	1e-08	1e-14	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6349e+00	1.6315e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9900e+00	2.9889e+00	9e-01	3e-01	3e-15	3e-02
3:	3.1990e+00	3.1987e+00	2e-01	7e-02	1e-15	7e-03
4:	3.2395e+00	3.2394e+00	4e-02	1e-02	3e-15	1e-03
5:	3.2478e+00	3.2478e+00	1e-03	4e-04	6e-15	3e-05
6:	3.2480e+00	3.2480e+00	1e-05	4e-06	6e-15	3e-07
7:	3.2480e+00	3.2480e+00	1e-07	4e-08	8e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.3350e-01	8.3086e-01	5e+00	1e+00	2e-16	2e-01
2:	2.2719e+00	2.2698e+00	1e+00	4e-01	5e-16	4e-02
3:	2.4707e+00	2.4696e+00	1e-01	4e-02	9e-16	4e-03
4:	2.5007e+00	2.5006e+00	7e-03	2e-03	2e-15	2e-04
5:	2.5017e+00	2.5017e+00	7e-05	2e-05	7e-15	2e-06
6:	2.5017e+00	2.5017e+00	7e-07	2e-07	8e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1327e+00	2.1294e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3780e+00	3.3761e+00	2e+00	5e-01	2e-15	5e-02
3:	3.7709e+00	3.7704e+00	4e-01	1e-01	2e-15	1e-02
4:	3.8493e+00	3.8492e+00	3e-02	1e-02	3e-15	1e-03
5:	3.8561e+00	3.8561e+00	6e-04	2e-04	6e-15	2e-05
6:	3.8562e+00	3.8562e+00	6e-06	2e-06	2e-15	2e-07
7:	3.8562e+00	3.8562e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	9.1069e-01	9.0849e-01	4e+00	1e+00	2e-16	2e-01
2:	2.5329e+00	2.5307e+00	1e+00	3e-01	9e-16	4e-02
3:	2.7213e+00	2.7203e+00	3e-01	9e-02	2e-15	9e-03

4:	2.7601e+00	2.7599e+00	5e-02	2e-02	3e-15	2e-03
5:	2.7649e+00	2.7649e+00	4e-03	1e-03	5e-15	1e-04
6:	2.7655e+00	2.7655e+00	5e-04	2e-04	2e-15	2e-05
7:	2.7655e+00	2.7655e+00	5e-06	2e-06	3e-15	2e-07
8:	2.7655e+00	2.7655e+00	5e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3502e+00	1.3469e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6494e+00	2.6475e+00	2e+00	5e-01	3e-15	5e-02
3:	2.8777e+00	2.8769e+00	3e-01	8e-02	2e-15	8e-03
4:	2.9279e+00	2.9278e+00	4e-02	1e-02	2e-15	1e-03
5:	2.9381e+00	2.9381e+00	7e-03	2e-03	3e-15	2e-04
6:	2.9395e+00	2.9395e+00	2e-04	7e-05	2e-14	6e-06
7:	2.9395e+00	2.9395e+00	2e-06	7e-07	3e-15	6e-08
8:	2.9395e+00	2.9395e+00	2e-08	7e-09	5e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7295e+00	1.7274e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0736e+00	3.0728e+00	1e+00	4e-01	1e-15	3e-02
3:	3.2624e+00	3.2620e+00	4e-01	1e-01	1e-15	1e-02
4:	3.3832e+00	3.3831e+00	5e-02	2e-02	6e-16	1e-03
5:	3.3956e+00	3.3956e+00	8e-04	2e-04	8e-16	2e-05
6:	3.3958e+00	3.3958e+00	8e-06	2e-06	7e-16	2e-07
7:	3.3958e+00	3.3958e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.4319e-01	8.4054e-01	5e+00	1e+00	2e-16	2e-01
2:	2.0432e+00	2.0411e+00	1e+00	4e-01	7e-16	5e-02
3:	2.2071e+00	2.2061e+00	3e-01	1e-01	2e-15	1e-02
4:	2.2586e+00	2.2583e+00	8e-02	2e-02	8e-16	2e-03
5:	2.2763e+00	2.2762e+00	3e-02	1e-02	1e-15	1e-03
6:	2.2801e+00	2.2801e+00	5e-03	2e-03	4e-15	1e-04
7:	2.2813e+00	2.2813e+00	2e-04	6e-05	1e-15	5e-06
8:	2.2813e+00	2.2813e+00	2e-06	6e-07	1e-15	5e-08
9:	2.2813e+00	2.2813e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1818e+00	1.1788e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5417e+00	2.5393e+00	2e+00	6e-01	3e-15	6e-02
3:	2.8173e+00	2.8164e+00	3e-01	1e-01	2e-15	1e-02
4:	2.9041e+00	2.9037e+00	1e-01	3e-02	6e-16	3e-03
5:	2.9219e+00	2.9218e+00	1e-02	4e-03	3e-15	3e-04
6:	2.9242e+00	2.9242e+00	1e-04	4e-05	2e-15	4e-06
7:	2.9243e+00	2.9243e+00	1e-06	4e-07	2e-15	4e-08

8:	2.9243e+00	2.9243e+00	1e-08	4e-09	2e-15	4e-10
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.4764e-01	8.4532e-01	4e+00	1e+00	2e-16	2e-01
2:	2.1109e+00	2.1088e+00	1e+00	4e-01	1e-15	4e-02
3:	2.3818e+00	2.3811e+00	3e-01	8e-02	1e-15	9e-03
4:	2.4325e+00	2.4323e+00	4e-02	1e-02	1e-15	1e-03
5:	2.4371e+00	2.4370e+00	5e-03	1e-03	1e-14	1e-04
6:	2.4380e+00	2.4380e+00	5e-05	1e-05	2e-15	1e-06
7:	2.4380e+00	2.4380e+00	5e-07	1e-07	2e-15	1e-08
8:	2.4380e+00	2.4380e+00	5e-09	1e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0224e+00	1.0199e+00	4e+00	1e+00	2e-16	2e-01
2:	2.5502e+00	2.5482e+00	1e+00	3e-01	2e-15	3e-02
3:	2.6771e+00	2.6762e+00	3e-01	1e-01	2e-15	1e-02
4:	2.6905e+00	2.6901e+00	6e-02	2e-02	4e-15	2e-03
5:	2.7014e+00	2.7014e+00	8e-03	3e-03	1e-15	2e-04
6:	2.7029e+00	2.7029e+00	1e-03	4e-04	2e-15	4e-05
7:	2.7031e+00	2.7031e+00	1e-05	4e-06	2e-15	4e-07
8:	2.7031e+00	2.7031e+00	1e-07	4e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2557e+00	2.2527e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4180e+00	3.4169e+00	1e+00	5e-01	3e-15	4e-02
3:	3.7905e+00	3.7899e+00	6e-01	2e-01	1e-15	2e-02
4:	3.9081e+00	3.9079e+00	9e-02	3e-02	3e-15	2e-03
5:	3.9252e+00	3.9252e+00	2e-02	5e-03	1e-15	4e-04
6:	3.9278e+00	3.9278e+00	2e-04	6e-05	9e-16	5e-06
7:	3.9278e+00	3.9278e+00	2e-06	6e-07	1e-15	5e-08
8:	3.9278e+00	3.9278e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6583e+00	1.6551e+00	6e+00	2e+00	2e-16	2e-01
2:	3.1296e+00	3.1283e+00	1e+00	4e-01	3e-15	4e-02
3:	3.4238e+00	3.4234e+00	3e-01	1e-01	1e-15	9e-03
4:	3.4952e+00	3.4951e+00	5e-02	2e-02	1e-15	1e-03
5:	3.5026e+00	3.5026e+00	4e-03	1e-03	2e-14	1e-04
6:	3.5035e+00	3.5035e+00	4e-05	1e-05	2e-15	1e-06
7:	3.5035e+00	3.5035e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6840e+00	1.6809e+00	6e+00	2e+00	2e-16	2e-01

2:	3.3401e+00	3.3389e+00	1e+00	3e-01	2e-15	3e-02
3:	3.5049e+00	3.5041e+00	4e-01	1e-01	2e-15	1e-02
4:	3.5833e+00	3.5831e+00	9e-02	3e-02	1e-15	2e-03
5:	3.5981e+00	3.5980e+00	2e-02	7e-03	5e-15	6e-04
6:	3.6030e+00	3.6030e+00	4e-04	1e-04	3e-15	1e-05
7:	3.6031e+00	3.6031e+00	4e-06	1e-06	3e-15	1e-07
8:	3.6031e+00	3.6031e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1861e+00	1.1829e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6649e+00	2.6630e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9387e+00	2.9378e+00	3e-01	1e-01	1e-15	1e-02
4:	2.9636e+00	2.9629e+00	1e-01	4e-02	3e-15	3e-03
5:	2.9844e+00	2.9842e+00	3e-02	1e-02	9e-16	9e-04
6:	2.9915e+00	2.9914e+00	8e-03	3e-03	9e-16	2e-04
7:	2.9929e+00	2.9929e+00	1e-03	4e-04	6e-15	3e-05
8:	2.9932e+00	2.9932e+00	1e-05	5e-06	8e-16	4e-07
9:	2.9932e+00	2.9932e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.6024e+00	1.5992e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2607e+00	3.2592e+00	1e+00	3e-01	2e-15	3e-02
3:	3.4834e+00	3.4826e+00	3e-01	1e-01	1e-15	1e-02
4:	3.5239e+00	3.5235e+00	8e-02	2e-02	3e-15	2e-03
5:	3.5411e+00	3.5411e+00	2e-03	5e-04	2e-15	5e-05
6:	3.5414e+00	3.5414e+00	2e-05	5e-06	6e-15	5e-07
7:	3.5414e+00	3.5414e+00	2e-07	5e-08	5e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4607e+00	2.4587e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1516e+00	4.1510e+00	1e+00	3e-01	3e-15	3e-02
3:	4.3347e+00	4.3345e+00	2e-01	6e-02	3e-15	5e-03
4:	4.3884e+00	4.3884e+00	2e-02	8e-03	4e-15	6e-04
5:	4.3948e+00	4.3948e+00	3e-04	9e-05	1e-15	7e-06
6:	4.3948e+00	4.3948e+00	3e-06	9e-07	1e-15	7e-08
7:	4.3948e+00	4.3948e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6668e+00	2.6657e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7136e+00	4.7133e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9335e+00	4.9333e+00	3e-01	9e-02	8e-15	7e-03
4:	4.9891e+00	4.9890e+00	9e-02	3e-02	3e-15	2e-03
5:	4.9841e+00	4.9840e+00	7e-02	2e-02	4e-14	2e-03
6:	4.9997e+00	4.9997e+00	1e-03	4e-04	2e-15	3e-05

7:	5.0000e+00	5.0000e+00	1e-05	4e-06	5e-15	3e-07
8:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0604e+00	1.0573e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5981e+00	2.5961e+00	1e+00	3e-01	1e-15	4e-02
3:	2.7351e+00	2.7344e+00	2e-01	7e-02	2e-15	7e-03
4:	2.7764e+00	2.7764e+00	1e-02	5e-03	1e-15	5e-04
5:	2.7796e+00	2.7796e+00	5e-04	2e-04	7e-16	1e-05
6:	2.7797e+00	2.7797e+00	5e-06	2e-06	1e-15	1e-07
7:	2.7797e+00	2.7797e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2721e+00	1.2689e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6605e+00	2.6588e+00	1e+00	5e-01	4e-15	5e-02
3:	3.0371e+00	3.0362e+00	5e-01	1e-01	3e-15	1e-02
4:	3.1147e+00	3.1144e+00	1e-01	4e-02	2e-15	3e-03
5:	3.1314e+00	3.1313e+00	1e-02	4e-03	3e-15	4e-04
6:	3.1346e+00	3.1346e+00	1e-04	5e-05	1e-15	4e-06
7:	3.1346e+00	3.1346e+00	1e-06	5e-07	1e-15	4e-08
8:	3.1346e+00	3.1346e+00	1e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3828e+00	1.3800e+00	5e+00	1e+00	2e-16	2e-01
2:	3.1473e+00	3.1455e+00	1e+00	3e-01	1e-15	4e-02
3:	3.2991e+00	3.2974e+00	3e-01	9e-02	2e-15	9e-03
4:	3.3674e+00	3.3671e+00	5e-02	2e-02	9e-16	2e-03
5:	3.3772e+00	3.3772e+00	2e-03	5e-04	7e-15	4e-05
6:	3.3776e+00	3.3776e+00	2e-05	5e-06	8e-16	4e-07
7:	3.3776e+00	3.3776e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9762e+00	1.9729e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6717e+00	3.6700e+00	2e+00	5e-01	5e-15	5e-02
3:	4.0568e+00	4.0563e+00	3e-01	1e-01	1e-15	1e-02
4:	4.1307e+00	4.1306e+00	5e-02	2e-02	4e-15	1e-03
5:	4.1420e+00	4.1420e+00	9e-04	3e-04	2e-15	2e-05
6:	4.1422e+00	4.1422e+00	9e-06	3e-06	2e-15	2e-07
7:	4.1422e+00	4.1422e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2872e+00	1.2840e+00	6e+00	2e+00	2e-16	2e-01
2:	2.5829e+00	2.5815e+00	1e+00	4e-01	3e-15	4e-02

3:	2.7009e+00	2.6998e+00	5e-01	1e-01	2e-15	1e-02
4:	2.8226e+00	2.8225e+00	5e-02	2e-02	5e-16	1e-03
5:	2.8355e+00	2.8355e+00	6e-03	2e-03	2e-15	2e-04
6:	2.8376e+00	2.8376e+00	4e-04	1e-04	2e-15	1e-05
7:	2.8377e+00	2.8377e+00	4e-06	1e-06	5e-15	1e-07
8:	2.8377e+00	2.8377e+00	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2482e+00	2.2452e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9301e+00	3.9288e+00	2e+00	6e-01	1e-15	5e-02
3:	4.6217e+00	4.6213e+00	4e-01	1e-01	2e-15	1e-02
4:	4.6380e+00	4.6377e+00	2e-01	7e-02	1e-14	6e-03
5:	4.6750e+00	4.6749e+00	4e-02	1e-02	7e-15	9e-04
6:	4.6836e+00	4.6836e+00	2e-03	6e-04	8e-15	5e-05
7:	4.6840e+00	4.6840e+00	2e-05	6e-06	3e-15	5e-07
8:	4.6840e+00	4.6840e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9529e+00	1.9498e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8826e+00	3.8813e+00	1e+00	4e-01	2e-15	3e-02
3:	4.0948e+00	4.0939e+00	3e-01	1e-01	3e-15	8e-03
4:	4.1732e+00	4.1731e+00	4e-02	1e-02	1e-15	1e-03
5:	4.1844e+00	4.1844e+00	9e-04	3e-04	7e-16	2e-05
6:	4.1846e+00	4.1846e+00	9e-06	3e-06	1e-15	2e-07
7:	4.1846e+00	4.1846e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8555e+00	1.8531e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4859e+00	3.4849e+00	1e+00	5e-01	1e-15	4e-02
3:	3.7884e+00	3.7881e+00	3e-01	9e-02	7e-16	7e-03
4:	3.8118e+00	3.8116e+00	1e-01	3e-02	4e-15	3e-03
5:	3.8348e+00	3.8348e+00	1e-02	4e-03	8e-16	3e-04
6:	3.8376e+00	3.8376e+00	1e-04	5e-05	6e-16	4e-06
7:	3.8377e+00	3.8377e+00	1e-06	5e-07	8e-16	4e-08
8:	3.8377e+00	3.8377e+00	1e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8847e+00	1.8821e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7508e+00	3.7495e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9600e+00	3.9596e+00	4e-01	1e-01	2e-15	9e-03
4:	4.0100e+00	4.0100e+00	2e-02	7e-03	5e-15	6e-04
5:	4.0144e+00	4.0144e+00	2e-04	7e-05	1e-15	6e-06
6:	4.0144e+00	4.0144e+00	2e-06	7e-07	1e-15	6e-08
7:	4.0144e+00	4.0144e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8905e+00	1.8881e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7445e+00	3.7434e+00	1e+00	4e-01	8e-16	4e-02
3:	4.0271e+00	4.0267e+00	3e-01	8e-02	2e-15	7e-03
4:	4.0906e+00	4.0905e+00	1e-01	3e-02	2e-15	3e-03
5:	4.1102e+00	4.1102e+00	1e-02	3e-03	5e-15	2e-04
6:	4.1124e+00	4.1124e+00	1e-04	3e-05	7e-16	3e-06
7:	4.1124e+00	4.1124e+00	1e-06	3e-07	1e-15	3e-08
8:	4.1124e+00	4.1124e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4803e+00	1.4769e+00	5e+00	2e+00	3e-16	2e-01
2:	2.9972e+00	2.9955e+00	1e+00	4e-01	8e-16	4e-02
3:	3.2976e+00	3.2973e+00	1e-01	4e-02	2e-15	4e-03
4:	3.3210e+00	3.3210e+00	2e-02	6e-03	2e-15	6e-04
5:	3.3239e+00	3.3239e+00	6e-04	2e-04	2e-14	2e-05
6:	3.3240e+00	3.3240e+00	6e-06	2e-06	4e-15	2e-07
7:	3.3240e+00	3.3240e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1563e+00	1.1537e+00	4e+00	1e+00	2e-16	2e-01
2:	2.6924e+00	2.6906e+00	1e+00	3e-01	1e-15	4e-02
3:	2.8908e+00	2.8898e+00	3e-01	1e-01	3e-15	1e-02
4:	2.9218e+00	2.9212e+00	7e-02	2e-02	3e-15	2e-03
5:	2.9369e+00	2.9368e+00	1e-02	4e-03	6e-16	3e-04
6:	2.9388e+00	2.9388e+00	7e-04	2e-04	1e-14	2e-05
7:	2.9389e+00	2.9389e+00	7e-06	2e-06	2e-15	2e-07
8:	2.9389e+00	2.9389e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8445e+00	1.8414e+00	6e+00	2e+00	3e-16	2e-01
2:	3.4175e+00	3.4162e+00	1e+00	4e-01	2e-15	3e-02
3:	3.7867e+00	3.7863e+00	3e-01	8e-02	1e-15	7e-03
4:	3.8526e+00	3.8525e+00	3e-02	1e-02	3e-15	8e-04
5:	3.8580e+00	3.8580e+00	4e-04	1e-04	5e-15	1e-05
6:	3.8581e+00	3.8581e+00	4e-06	1e-06	3e-15	1e-07
7:	3.8581e+00	3.8581e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1039e+00	2.1011e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6885e+00	3.6874e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9682e+00	3.9679e+00	2e-01	5e-02	1e-15	5e-03



4:	4.0070e+00	4.0070e+00	3e-03	1e-03	1e-15	8e-05
5:	4.0078e+00	4.0078e+00	3e-05	1e-05	5e-16	8e-07
6:	4.0078e+00	4.0078e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2972e+00	1.2940e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8336e+00	2.8316e+00	1e+00	5e-01	9e-16	5e-02
3:	3.0306e+00	3.0292e+00	4e-01	1e-01	3e-15	1e-02
4:	3.1238e+00	3.1234e+00	9e-02	3e-02	8e-16	3e-03
5:	3.1418e+00	3.1418e+00	2e-03	5e-04	8e-16	4e-05
6:	3.1421e+00	3.1421e+00	2e-05	5e-06	4e-16	4e-07
7:	3.1421e+00	3.1421e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1120e+00	2.1089e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9514e+00	3.9503e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3116e+00	4.3112e+00	2e-01	6e-02	2e-15	5e-03
4:	4.3491e+00	4.3490e+00	3e-02	1e-02	3e-15	9e-04
5:	4.3530e+00	4.3529e+00	7e-03	2e-03	1e-14	2e-04
6:	4.3546e+00	4.3546e+00	8e-05	3e-05	4e-15	2e-06
7:	4.3546e+00	4.3546e+00	8e-07	3e-07	4e-15	2e-08
8:	4.3546e+00	4.3546e+00	8e-09	3e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5771e+00	1.5739e+00	5e+00	2e+00	3e-16	2e-01
2:	3.4557e+00	3.4541e+00	1e+00	3e-01	1e-15	3e-02
3:	3.6951e+00	3.6946e+00	3e-01	9e-02	1e-15	8e-03
4:	3.7459e+00	3.7455e+00	6e-02	2e-02	3e-15	2e-03
5:	3.7543e+00	3.7542e+00	7e-03	2e-03	8e-15	2e-04
6:	3.7558e+00	3.7558e+00	7e-05	2e-05	2e-15	2e-06
7:	3.7558e+00	3.7558e+00	7e-07	2e-07	1e-15	2e-08
8:	3.7558e+00	3.7558e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5993e+00	1.6010e+00	5e+00	2e+00	2e-16	1e-01
2:	2.8810e+00	2.8819e+00	2e+00	6e-01	6e-16	4e-02
3:	3.3397e+00	3.3399e+00	4e-01	1e-01	5e-16	9e-03
4:	3.3780e+00	3.3781e+00	9e-02	3e-02	3e-15	2e-03
5:	3.3897e+00	3.3897e+00	5e-03	2e-03	4e-15	1e-04
6:	3.3906e+00	3.3906e+00	8e-04	3e-04	1e-15	2e-05
7:	3.3907e+00	3.3907e+00	8e-06	3e-06	1e-15	2e-07
8:	3.3907e+00	3.3907e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.3043e-01	9.2721e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1485e+00	2.1468e+00	1e+00	4e-01	8e-16	4e-02
3:	2.4588e+00	2.4582e+00	2e-01	6e-02	1e-15	6e-03
4:	2.4964e+00	2.4961e+00	5e-02	2e-02	8e-15	2e-03
5:	2.5095e+00	2.5095e+00	3e-03	9e-04	3e-15	8e-05
6:	2.5104e+00	2.5104e+00	3e-05	9e-06	6e-16	8e-07
7:	2.5104e+00	2.5104e+00	3e-07	9e-08	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5787e+00	1.5756e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0776e+00	3.0756e+00	2e+00	6e-01	2e-15	5e-02
3:	3.4566e+00	3.4558e+00	3e-01	1e-01	2e-15	8e-03
4:	3.5180e+00	3.5179e+00	2e-02	7e-03	9e-16	6e-04
5:	3.5228e+00	3.5228e+00	2e-04	7e-05	4e-16	6e-06
6:	3.5229e+00	3.5229e+00	2e-06	7e-07	5e-16	6e-08
7:	3.5229e+00	3.5229e+00	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4205e+00	1.4171e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9840e+00	2.9822e+00	2e+00	5e-01	2e-15	5e-02
3:	3.3375e+00	3.3371e+00	3e-01	1e-01	9e-16	1e-02
4:	3.3941e+00	3.3940e+00	2e-02	8e-03	3e-15	7e-04
5:	3.3982e+00	3.3982e+00	3e-04	1e-04	2e-15	9e-06
6:	3.3982e+00	3.3982e+00	3e-06	1e-06	3e-15	9e-08
7:	3.3982e+00	3.3982e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6913e+00	1.6880e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2021e+00	3.2003e+00	2e+00	5e-01	2e-15	5e-02
3:	3.5428e+00	3.5422e+00	3e-01	1e-01	1e-15	9e-03
4:	3.6043e+00	3.6040e+00	9e-02	3e-02	1e-15	2e-03
5:	3.6186e+00	3.6186e+00	7e-03	2e-03	3e-15	2e-04
6:	3.6198e+00	3.6198e+00	7e-05	2e-05	1e-15	2e-06
7:	3.6198e+00	3.6198e+00	7e-07	2e-07	8e-16	2e-08
8:	3.6198e+00	3.6198e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7782e+00	2.7761e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7308e+00	4.7300e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9629e+00	4.9626e+00	3e-01	1e-01	2e-15	8e-03
4:	4.9948e+00	4.9947e+00	3e-02	8e-03	4e-15	7e-04
5:	4.9999e+00	4.9999e+00	3e-04	8e-05	7e-16	7e-06
6:	5.0000e+00	5.0000e+00	3e-06	8e-07	8e-16	7e-08

7: 5.0000e+00 5.0000e+00 3e-08 8e-09 1e-15 7e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8583e+00	2.8565e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7425e+00	4.7417e+00	2e+00	5e-01	2e-15	5e-02
3:	4.9744e+00	4.9743e+00	1e-01	5e-02	1e-15	4e-03
4:	4.9997e+00	4.9997e+00	2e-03	5e-04	9e-16	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	5e-06	1e-15	4e-07
6:	5.0000e+00	5.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.8529e-01	6.8264e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8161e+00	1.8137e+00	2e+00	5e-01	6e-16	5e-02
3:	2.0271e+00	2.0255e+00	5e-01	2e-01	1e-15	2e-02
4:	2.0931e+00	2.0927e+00	9e-02	3e-02	1e-15	3e-03
5:	2.1045e+00	2.1044e+00	5e-03	2e-03	3e-15	1e-04
6:	2.1053e+00	2.1053e+00	6e-04	2e-04	6e-16	2e-05
7:	2.1054e+00	2.1054e+00	6e-06	2e-06	2e-15	2e-07
8:	2.1054e+00	2.1054e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6348e+00	1.6315e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4190e+00	3.4175e+00	1e+00	3e-01	1e-15	3e-02
3:	3.6397e+00	3.6392e+00	2e-01	8e-02	2e-15	7e-03
4:	3.6767e+00	3.6766e+00	5e-02	2e-02	2e-15	2e-03
5:	3.6844e+00	3.6844e+00	4e-03	1e-03	7e-15	1e-04
6:	3.6849e+00	3.6849e+00	4e-05	1e-05	3e-15	1e-06
7:	3.6849e+00	3.6849e+00	4e-07	1e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7684e+00	1.7651e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6633e+00	3.6616e+00	1e+00	4e-01	7e-15	4e-02
3:	3.9077e+00	3.9069e+00	3e-01	8e-02	2e-15	7e-03
4:	3.9743e+00	3.9741e+00	4e-02	1e-02	1e-15	1e-03
5:	3.9790e+00	3.9790e+00	1e-02	4e-03	1e-14	3e-04
6:	3.9816e+00	3.9816e+00	2e-04	7e-05	1e-15	6e-06
7:	3.9816e+00	3.9816e+00	2e-06	7e-07	1e-15	6e-08
8:	3.9816e+00	3.9816e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8794e-01	8.8540e-01	4e+00	1e+00	2e-16	2e-01
2:	2.2110e+00	2.2091e+00	1e+00	3e-01	1e-15	4e-02
3:	2.5011e+00	2.5008e+00	2e-01	5e-02	1e-15	5e-03

4:	2.5154e+00	2.5152e+00	4e-02	1e-02	7e-15	1e-03
5:	2.5237e+00	2.5237e+00	6e-04	2e-04	2e-15	2e-05
6:	2.5238e+00	2.5238e+00	6e-06	2e-06	5e-15	2e-07
7:	2.5238e+00	2.5238e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2116e+00	2.2086e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1524e+00	4.1509e+00	2e+00	5e-01	1e-15	5e-02
3:	4.3168e+00	4.3153e+00	7e-01	2e-01	2e-15	2e-02
4:	4.4977e+00	4.4972e+00	2e-01	6e-02	9e-16	5e-03
5:	4.5442e+00	4.5442e+00	3e-02	8e-03	9e-16	7e-04
6:	4.5489e+00	4.5489e+00	9e-04	3e-04	2e-14	2e-05
7:	4.5491e+00	4.5491e+00	9e-06	3e-06	2e-14	2e-07
8:	4.5491e+00	4.5491e+00	9e-08	3e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3545e+00	2.3518e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5553e+00	3.5535e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9484e+00	3.9479e+00	5e-01	1e-01	1e-15	1e-02
4:	4.0622e+00	4.0620e+00	1e-01	5e-02	7e-16	4e-03
5:	4.0898e+00	4.0897e+00	1e-02	5e-03	3e-15	4e-04
6:	4.0936e+00	4.0936e+00	2e-04	5e-05	6e-16	4e-06
7:	4.0937e+00	4.0937e+00	2e-06	5e-07	3e-16	4e-08
8:	4.0937e+00	4.0937e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4047e+00	2.4018e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1530e+00	4.1514e+00	2e+00	6e-01	2e-15	5e-02
3:	4.5440e+00	4.5435e+00	3e-01	1e-01	1e-15	9e-03
4:	4.6250e+00	4.6249e+00	6e-02	2e-02	3e-15	2e-03
5:	4.6403e+00	4.6402e+00	1e-02	4e-03	2e-15	3e-04
6:	4.6428e+00	4.6428e+00	2e-04	8e-05	4e-15	6e-06
7:	4.6428e+00	4.6428e+00	2e-06	8e-07	2e-15	6e-08
8:	4.6428e+00	4.6428e+00	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5150e+00	1.5117e+00	5e+00	2e+00	1e-16	2e-01
2:	2.8307e+00	2.8296e+00	1e+00	3e-01	1e-15	3e-02
3:	3.1498e+00	3.1493e+00	3e-01	9e-02	3e-15	8e-03
4:	3.2188e+00	3.2188e+00	4e-02	1e-02	1e-15	1e-03
5:	3.2255e+00	3.2255e+00	4e-04	1e-04	2e-15	1e-05
6:	3.2256e+00	3.2256e+00	4e-06	1e-06	2e-15	1e-07
7:	3.2256e+00	3.2256e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9529e+00	1.9509e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7298e+00	3.7290e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9847e+00	3.9844e+00	4e-01	1e-01	2e-15	9e-03
4:	4.0529e+00	4.0528e+00	5e-02	2e-02	9e-16	1e-03
5:	4.0598e+00	4.0598e+00	3e-02	8e-03	8e-14	7e-04
6:	4.0658e+00	4.0658e+00	5e-03	2e-03	2e-14	1e-04
7:	4.0668e+00	4.0668e+00	1e-04	4e-05	1e-14	4e-06
8:	4.0668e+00	4.0668e+00	1e-06	4e-07	2e-14	4e-08
9:	4.0668e+00	4.0668e+00	1e-08	4e-09	1e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8870e+00	1.8851e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0487e+00	3.0478e+00	2e+00	5e-01	4e-15	4e-02
3:	3.4317e+00	3.4315e+00	3e-01	8e-02	1e-15	7e-03
4:	3.5036e+00	3.5036e+00	2e-02	6e-03	1e-15	5e-04
5:	3.5081e+00	3.5081e+00	5e-04	2e-04	5e-15	1e-05
6:	3.5082e+00	3.5082e+00	5e-06	2e-06	2e-15	1e-07
7:	3.5082e+00	3.5082e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1610e+00	2.1592e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9228e+00	3.9219e+00	2e+00	6e-01	1e-15	5e-02
3:	4.2668e+00	4.2665e+00	3e-01	1e-01	3e-15	9e-03
4:	4.3244e+00	4.3243e+00	1e-01	3e-02	3e-15	3e-03
5:	4.3546e+00	4.3546e+00	9e-03	3e-03	2e-15	2e-04
6:	4.3566e+00	4.3566e+00	1e-04	4e-05	1e-14	3e-06
7:	4.3566e+00	4.3566e+00	1e-06	4e-07	2e-14	3e-08
8:	4.3566e+00	4.3566e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8127e+00	1.8094e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8664e+00	3.8646e+00	1e+00	4e-01	2e-15	4e-02
3:	4.0874e+00	4.0866e+00	2e-01	7e-02	3e-15	7e-03
4:	4.1328e+00	4.1328e+00	6e-03	2e-03	3e-15	2e-04
5:	4.1340e+00	4.1340e+00	6e-05	2e-05	2e-15	2e-06
6:	4.1340e+00	4.1340e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2094e+00	2.2061e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1883e+00	4.1869e+00	1e+00	4e-01	2e-15	3e-02
3:	4.4881e+00	4.4876e+00	3e-01	9e-02	2e-15	9e-03
4:	4.5085e+00	4.5082e+00	1e-01	3e-02	6e-15	3e-03

5:	4.5254e+00	4.5254e+00	9e-03	3e-03	6e-15	3e-04
6:	4.5276e+00	4.5276e+00	1e-04	4e-05	1e-15	3e-06
7:	4.5276e+00	4.5276e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0726e+00	2.0702e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7409e+00	3.7397e+00	2e+00	5e-01	6e-15	4e-02
3:	3.9969e+00	3.9960e+00	4e-01	1e-01	3e-15	1e-02
4:	4.1110e+00	4.1108e+00	8e-02	3e-02	8e-16	2e-03
5:	4.1229e+00	4.1229e+00	2e-02	6e-03	2e-15	5e-04
6:	4.1279e+00	4.1279e+00	3e-04	8e-05	8e-16	7e-06
7:	4.1280e+00	4.1280e+00	3e-06	8e-07	1e-15	7e-08
8:	4.1280e+00	4.1280e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5434e+00	1.5403e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2115e+00	3.2103e+00	1e+00	4e-01	2e-15	3e-02
3:	3.4954e+00	3.4950e+00	3e-01	1e-01	8e-16	9e-03
4:	3.5593e+00	3.5591e+00	9e-02	3e-02	2e-15	3e-03
5:	3.5671e+00	3.5670e+00	3e-02	9e-03	6e-15	7e-04
6:	3.5714e+00	3.5714e+00	4e-03	1e-03	3e-15	1e-04
7:	3.5723e+00	3.5723e+00	5e-05	2e-05	2e-15	1e-06
8:	3.5723e+00	3.5723e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7283e+00	1.7250e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3188e+00	3.3171e+00	1e+00	4e-01	5e-16	4e-02
3:	3.5188e+00	3.5183e+00	3e-01	9e-02	1e-15	8e-03
4:	3.5635e+00	3.5635e+00	3e-02	1e-02	2e-15	9e-04
5:	3.5705e+00	3.5704e+00	1e-02	3e-03	8e-16	3e-04
6:	3.5722e+00	3.5722e+00	2e-04	6e-05	1e-15	5e-06
7:	3.5722e+00	3.5722e+00	2e-06	6e-07	7e-16	5e-08
8:	3.5722e+00	3.5722e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2345e+00	1.2318e+00	5e+00	1e+00	2e-16	2e-01
2:	2.9915e+00	2.9894e+00	2e+00	5e-01	1e-15	5e-02
3:	3.2935e+00	3.2923e+00	5e-01	2e-01	2e-15	2e-02
4:	3.3671e+00	3.3668e+00	5e-02	2e-02	2e-15	2e-03
5:	3.3713e+00	3.3712e+00	1e-02	4e-03	2e-14	4e-04
6:	3.3739e+00	3.3739e+00	2e-04	7e-05	1e-15	7e-06
7:	3.3739e+00	3.3739e+00	2e-06	7e-07	9e-16	7e-08
8:	3.3739e+00	3.3739e+00	2e-08	7e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0069e+00	2.0038e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4138e+00	3.4122e+00	1e+00	5e-01	2e-15	4e-02
3:	3.8471e+00	3.8467e+00	3e-01	1e-01	1e-15	9e-03
4:	3.9202e+00	3.9202e+00	2e-02	5e-03	1e-15	4e-04
5:	3.9221e+00	3.9221e+00	3e-03	8e-04	1e-13	7e-05
6:	3.9225e+00	3.9225e+00	4e-04	1e-04	4e-14	1e-05
7:	3.9225e+00	3.9225e+00	4e-06	1e-06	3e-15	1e-07
8:	3.9225e+00	3.9225e+00	4e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8333e+00	2.8302e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6216e+00	4.6205e+00	1e+00	4e-01	2e-15	4e-02
3:	4.8772e+00	4.8769e+00	2e-01	7e-02	4e-15	6e-03
4:	4.9189e+00	4.9189e+00	2e-02	7e-03	7e-15	6e-04
5:	4.9254e+00	4.9254e+00	9e-04	3e-04	9e-16	2e-05
6:	4.9257e+00	4.9257e+00	2e-04	8e-05	7e-16	7e-06
7:	4.9257e+00	4.9257e+00	6e-06	2e-06	1e-15	2e-07
8:	4.9257e+00	4.9257e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9306e+00	2.9289e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5139e+00	4.5134e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9488e+00	4.9486e+00	3e-01	1e-01	1e-15	8e-03
4:	4.9753e+00	4.9752e+00	1e-01	3e-02	1e-14	3e-03
5:	4.9997e+00	4.9997e+00	1e-03	4e-04	8e-16	3e-05
6:	5.0000e+00	5.0000e+00	1e-05	4e-06	3e-15	3e-07
7:	5.0000e+00	5.0000e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2844e+00	2.2821e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9771e+00	3.9764e+00	1e+00	4e-01	4e-15	3e-02
3:	4.3678e+00	4.3676e+00	3e-01	9e-02	1e-15	8e-03
4:	4.4145e+00	4.4144e+00	5e-02	2e-02	8e-15	1e-03
5:	4.4284e+00	4.4284e+00	7e-04	2e-04	9e-16	2e-05
6:	4.4286e+00	4.4286e+00	7e-06	2e-06	1e-15	2e-07
7:	4.4286e+00	4.4286e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5651e+00	1.5623e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7083e+00	2.7073e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9529e+00	2.9526e+00	3e-01	9e-02	2e-15	8e-03
4:	3.0347e+00	3.0346e+00	6e-02	2e-02	1e-15	2e-03

5:	3.0476e+00	3.0476e+00	1e-02	3e-03	3e-15	3e-04
6:	3.0496e+00	3.0496e+00	2e-04	6e-05	9e-15	5e-06
7:	3.0496e+00	3.0496e+00	2e-06	6e-07	3e-15	5e-08
8:	3.0496e+00	3.0496e+00	2e-08	6e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4184e+00	1.4151e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2426e+00	3.2407e+00	1e+00	4e-01	7e-16	4e-02
3:	3.4706e+00	3.4698e+00	3e-01	1e-01	2e-15	1e-02
4:	3.4925e+00	3.4921e+00	1e-01	4e-02	4e-15	3e-03
5:	3.5103e+00	3.5099e+00	8e-02	3e-02	5e-15	2e-03
6:	3.5199e+00	3.5198e+00	1e-02	3e-03	7e-15	3e-04
7:	3.5215e+00	3.5215e+00	3e-04	8e-05	6e-15	7e-06
8:	3.5216e+00	3.5216e+00	3e-06	8e-07	1e-15	7e-08
9:	3.5216e+00	3.5216e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9520e+00	1.9497e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5644e+00	3.5633e+00	2e+00	5e-01	5e-15	4e-02
3:	3.8515e+00	3.8512e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9735e+00	3.9734e+00	1e-01	4e-02	1e-15	3e-03
5:	3.9876e+00	3.9876e+00	2e-02	7e-03	1e-14	6e-04
6:	3.9939e+00	3.9939e+00	1e-03	4e-04	1e-15	3e-05
7:	3.9941e+00	3.9941e+00	2e-04	6e-05	2e-15	4e-06
8:	3.9941e+00	3.9941e+00	4e-06	1e-06	9e-15	1e-07
9:	3.9941e+00	3.9941e+00	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7382e+00	1.7364e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7685e+00	2.7679e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9918e+00	2.9917e+00	3e-01	9e-02	3e-15	8e-03
4:	3.0429e+00	3.0429e+00	7e-02	2e-02	1e-15	2e-03
5:	3.0488e+00	3.0488e+00	1e-02	3e-03	4e-15	3e-04
6:	3.0511e+00	3.0511e+00	1e-03	4e-04	6e-16	4e-05
7:	3.0514e+00	3.0514e+00	2e-04	5e-05	9e-15	4e-06
8:	3.0514e+00	3.0514e+00	2e-06	5e-07	8e-16	4e-08
9:	3.0514e+00	3.0514e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2647e+00	1.2615e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5800e+00	2.5783e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9040e+00	2.9033e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9681e+00	2.9678e+00	1e-01	3e-02	2e-15	3e-03
5:	2.9728e+00	2.9726e+00	5e-02	1e-02	8e-15	1e-03



6:	2.9790e+00	2.9788e+00	2e-02	8e-03	6e-15	7e-04
7:	2.9826e+00	2.9826e+00	4e-04	1e-04	3e-15	1e-05
8:	2.9827e+00	2.9827e+00	1e-05	3e-06	2e-13	3e-07
9:	2.9827e+00	2.9827e+00	1e-07	3e-08	5e-13	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6403e+00	2.6371e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5641e+00	4.5627e+00	2e+00	5e-01	3e-15	4e-02
3:	5.0038e+00	5.0036e+00	1e-01	5e-02	2e-15	4e-03
4:	5.0402e+00	5.0402e+00	1e-02	4e-03	6e-15	4e-04
5:	5.0413e+00	5.0413e+00	5e-03	2e-03	1e-13	1e-04
6:	5.0425e+00	5.0425e+00	1e-03	4e-04	5e-14	3e-05
7:	5.0427e+00	5.0427e+00	1e-05	4e-06	5e-14	4e-07
8:	5.0427e+00	5.0427e+00	1e-07	4e-08	5e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8337e+00	2.8317e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2080e+00	4.2068e+00	2e+00	5e-01	6e-15	4e-02
3:	4.6261e+00	4.6258e+00	3e-01	9e-02	2e-15	8e-03
4:	4.6760e+00	4.6759e+00	8e-02	3e-02	4e-15	2e-03
5:	4.6959e+00	4.6959e+00	2e-02	5e-03	2e-15	4e-04
6:	4.7005e+00	4.7005e+00	3e-04	1e-04	2e-15	8e-06
7:	4.7006e+00	4.7006e+00	3e-06	1e-06	2e-15	8e-08
8:	4.7006e+00	4.7006e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9128e+00	1.9095e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8595e+00	3.8581e+00	1e+00	4e-01	2e-15	4e-02
3:	4.1435e+00	4.1424e+00	3e-01	9e-02	2e-15	8e-03
4:	4.1917e+00	4.1914e+00	6e-02	2e-02	2e-15	2e-03
5:	4.2075e+00	4.2075e+00	1e-03	4e-04	7e-16	3e-05
6:	4.2078e+00	4.2078e+00	1e-05	4e-06	8e-16	3e-07
7:	4.2078e+00	4.2078e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2656e+00	2.2644e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2641e+00	3.2635e+00	2e+00	5e-01	3e-15	4e-02
3:	3.5713e+00	3.5711e+00	4e-01	1e-01	1e-15	1e-02
4:	3.6983e+00	3.6983e+00	9e-02	3e-02	1e-15	2e-03
5:	3.7160e+00	3.7160e+00	3e-02	8e-03	3e-15	7e-04
6:	3.7217e+00	3.7217e+00	5e-04	2e-04	3e-15	1e-05
7:	3.7218e+00	3.7218e+00	5e-06	2e-06	3e-15	1e-07
8:	3.7218e+00	3.7218e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2403e+00	2.2380e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3936e+00	3.3929e+00	1e+00	4e-01	2e-15	3e-02
3:	3.7415e+00	3.7413e+00	3e-01	8e-02	1e-15	7e-03
4:	3.8020e+00	3.8020e+00	3e-02	8e-03	5e-15	7e-04
5:	3.8072e+00	3.8072e+00	3e-03	1e-03	3e-15	9e-05
6:	3.8084e+00	3.8084e+00	3e-04	1e-04	7e-15	9e-06
7:	3.8085e+00	3.8085e+00	4e-06	1e-06	4e-15	9e-08
8:	3.8085e+00	3.8085e+00	4e-08	1e-08	7e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8377e+00	1.8343e+00	5e+00	2e+00	3e-16	2e-01
2:	3.3458e+00	3.3444e+00	1e+00	3e-01	2e-15	3e-02
3:	3.5463e+00	3.5461e+00	1e-01	5e-02	1e-15	4e-03
4:	3.5858e+00	3.5858e+00	2e-02	5e-03	3e-15	5e-04
5:	3.5894e+00	3.5894e+00	2e-04	6e-05	5e-15	5e-06
6:	3.5894e+00	3.5894e+00	2e-06	6e-07	5e-15	5e-08
7:	3.5894e+00	3.5894e+00	2e-08	6e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2079e+00	2.2045e+00	5e+00	2e+00	3e-16	2e-01
2:	4.3183e+00	4.3166e+00	1e+00	4e-01	2e-15	4e-02
3:	4.6257e+00	4.6252e+00	3e-01	1e-01	2e-15	1e-02
4:	4.6847e+00	4.6846e+00	8e-02	2e-02	4e-15	2e-03
5:	4.6954e+00	4.6954e+00	3e-03	1e-03	8e-15	9e-05
6:	4.6959e+00	4.6959e+00	3e-05	1e-05	4e-15	9e-07
7:	4.6959e+00	4.6959e+00	3e-07	1e-07	4e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8096e+00	2.8063e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9819e+00	4.9806e+00	1e+00	5e-01	3e-15	4e-02
3:	5.3330e+00	5.3324e+00	4e-01	1e-01	5e-15	1e-02
4:	5.3956e+00	5.3953e+00	9e-02	3e-02	8e-15	2e-03
5:	5.4185e+00	5.4185e+00	1e-03	5e-04	2e-15	4e-05
6:	5.4189e+00	5.4189e+00	1e-05	5e-06	2e-15	4e-07
7:	5.4189e+00	5.4189e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5383e+00	1.5350e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2087e+00	3.2071e+00	1e+00	5e-01	2e-15	4e-02
3:	3.5694e+00	3.5687e+00	3e-01	8e-02	1e-15	7e-03
4:	3.6285e+00	3.6284e+00	5e-02	1e-02	1e-15	1e-03
5:	3.6365e+00	3.6365e+00	3e-03	1e-03	1e-14	9e-05

6:	3.6372e+00	3.6372e+00	3e-05	1e-05	9e-16	9e-07
7:	3.6372e+00	3.6372e+00	3e-07	1e-07	1e-15	9e-09
8:	3.6372e+00	3.6372e+00	3e-09	1e-09	1e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4145e+00	2.4177e+00	7e+00	2e+00	2e-16	2e-01
2:	4.5952e+00	4.5963e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9408e+00	4.9411e+00	4e-01	1e-01	2e-15	9e-03
4:	5.0062e+00	5.0063e+00	8e-02	3e-02	2e-15	2e-03
5:	5.0228e+00	5.0228e+00	1e-02	4e-03	7e-15	3e-04
6:	5.0247e+00	5.0247e+00	4e-04	1e-04	2e-14	9e-06
7:	5.0247e+00	5.0247e+00	4e-06	1e-06	8e-15	9e-08
8:	5.0247e+00	5.0247e+00	4e-08	1e-08	1e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3417e+00	1.3384e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8681e+00	2.8661e+00	1e+00	4e-01	9e-16	4e-02
3:	3.1261e+00	3.1255e+00	4e-01	1e-01	1e-15	1e-02
4:	3.2031e+00	3.2029e+00	7e-02	2e-02	3e-15	2e-03
5:	3.2182e+00	3.2181e+00	1e-02	4e-03	2e-15	4e-04
6:	3.2194e+00	3.2194e+00	2e-03	6e-04	1e-14	5e-05
7:	3.2198e+00	3.2198e+00	2e-05	6e-06	4e-15	5e-07
8:	3.2198e+00	3.2198e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8368e+00	1.8335e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4824e+00	3.4809e+00	1e+00	4e-01	2e-15	4e-02
3:	3.7661e+00	3.7653e+00	4e-01	1e-01	2e-15	1e-02
4:	3.8141e+00	3.8138e+00	5e-02	2e-02	7e-15	1e-03
5:	3.8259e+00	3.8259e+00	2e-03	7e-04	7e-16	6e-05
6:	3.8263e+00	3.8263e+00	2e-05	7e-06	8e-16	6e-07
7:	3.8263e+00	3.8263e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3532e+00	1.3499e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5813e+00	2.5795e+00	2e+00	5e-01	2e-15	5e-02
3:	2.8605e+00	2.8598e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9240e+00	2.9238e+00	6e-02	2e-02	1e-15	2e-03
5:	2.9318e+00	2.9318e+00	6e-03	2e-03	2e-15	1e-04
6:	2.9329e+00	2.9329e+00	6e-05	2e-05	4e-16	2e-06
7:	2.9329e+00	2.9329e+00	6e-07	2e-07	5e-16	2e-08
8:	2.9329e+00	2.9329e+00	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0563e+00	2.0534e+00	6e+00	2e+00	3e-16	2e-01
2:	3.2848e+00	3.2831e+00	1e+00	4e-01	4e-15	4e-02
3:	3.5558e+00	3.5552e+00	4e-01	1e-01	2e-15	1e-02
4:	3.6486e+00	3.6485e+00	3e-02	1e-02	1e-15	9e-04
5:	3.6590e+00	3.6590e+00	5e-04	2e-04	1e-15	1e-05
6:	3.6592e+00	3.6592e+00	5e-06	2e-06	8e-16	1e-07
7:	3.6592e+00	3.6592e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.0111e-01	7.9788e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1361e+00	2.1343e+00	1e+00	3e-01	1e-15	3e-02
3:	2.3284e+00	2.3277e+00	2e-01	8e-02	8e-16	7e-03
4:	2.3501e+00	2.3497e+00	7e-02	2e-02	3e-15	2e-03
5:	2.3622e+00	2.3621e+00	2e-03	6e-04	5e-16	5e-05
6:	2.3625e+00	2.3625e+00	2e-05	6e-06	9e-16	5e-07
7:	2.3625e+00	2.3625e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7733e+00	2.7726e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7104e+00	4.7102e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9098e+00	4.9097e+00	3e-01	1e-01	1e-15	8e-03
4:	4.9633e+00	4.9633e+00	7e-02	2e-02	2e-15	2e-03
5:	4.9730e+00	4.9730e+00	9e-04	3e-04	4e-15	2e-05
6:	4.9731e+00	4.9731e+00	9e-06	3e-06	2e-15	2e-07
7:	4.9731e+00	4.9731e+00	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9344e+00	2.9355e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4129e+00	4.4133e+00	1e+00	4e-01	2e-15	3e-02
3:	4.7771e+00	4.7772e+00	4e-01	1e-01	8e-16	9e-03
4:	4.8492e+00	4.8492e+00	6e-02	2e-02	3e-15	1e-03
5:	4.8653e+00	4.8653e+00	3e-03	1e-03	2e-15	8e-05
6:	4.8660e+00	4.8660e+00	3e-05	1e-05	4e-15	8e-07
7:	4.8660e+00	4.8660e+00	3e-07	1e-07	6e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1484e+00	2.1453e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9329e+00	3.9316e+00	1e+00	4e-01	3e-15	4e-02
3:	4.1260e+00	4.1251e+00	5e-01	1e-01	3e-15	1e-02
4:	4.2386e+00	4.2383e+00	1e-01	4e-02	1e-15	4e-03
5:	4.2694e+00	4.2694e+00	2e-02	6e-03	2e-15	5e-04
6:	4.2740e+00	4.2740e+00	9e-04	3e-04	4e-15	3e-05
7:	4.2742e+00	4.2742e+00	1e-05	3e-06	1e-14	3e-07

8: 4.2742e+00 4.2742e+00 1e-07 3e-08 1e-14 3e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1402e+00	2.1371e+00	6e+00	2e+00	1e-16	2e-01
2:	3.6129e+00	3.6112e+00	2e+00	6e-01	2e-15	6e-02
3:	3.9324e+00	3.9314e+00	5e-01	2e-01	2e-15	1e-02
4:	4.0501e+00	4.0497e+00	2e-01	5e-02	2e-15	4e-03
5:	4.1013e+00	4.1012e+00	5e-02	2e-02	1e-15	1e-03
6:	4.1116e+00	4.1116e+00	1e-02	4e-03	4e-15	3e-04
7:	4.1147e+00	4.1147e+00	3e-04	1e-04	2e-15	8e-06
8:	4.1147e+00	4.1147e+00	3e-06	1e-06	2e-14	8e-08
9:	4.1147e+00	4.1147e+00	3e-08	1e-08	9e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6847e+00	1.6815e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3845e+00	3.3829e+00	2e+00	5e-01	2e-15	5e-02
3:	3.7850e+00	3.7842e+00	4e-01	1e-01	2e-15	1e-02
4:	3.8557e+00	3.8555e+00	8e-02	3e-02	2e-15	2e-03
5:	3.8694e+00	3.8694e+00	2e-03	7e-04	4e-15	6e-05
6:	3.8698e+00	3.8698e+00	2e-05	7e-06	2e-15	6e-07
7:	3.8699e+00	3.8699e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7585e+00	2.7553e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6661e+00	4.6646e+00	1e+00	4e-01	3e-15	4e-02
3:	5.0773e+00	5.0768e+00	3e-01	1e-01	2e-15	9e-03
4:	5.1350e+00	5.1349e+00	4e-02	1e-02	5e-15	1e-03
5:	5.1445e+00	5.1444e+00	4e-04	1e-04	4e-15	1e-05
6:	5.1446e+00	5.1446e+00	4e-06	1e-06	6e-15	1e-07
7:	5.1446e+00	5.1446e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4671e+00	1.4639e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6707e+00	2.6694e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9617e+00	2.9612e+00	4e-01	1e-01	2e-15	1e-02
4:	3.0113e+00	3.0110e+00	9e-02	3e-02	2e-15	2e-03
5:	3.0293e+00	3.0292e+00	3e-02	8e-03	2e-15	7e-04
6:	3.0331e+00	3.0331e+00	3e-03	1e-03	3e-15	9e-05
7:	3.0338e+00	3.0338e+00	1e-04	4e-05	2e-15	3e-06
8:	3.0338e+00	3.0338e+00	1e-06	4e-07	1e-15	3e-08
9:	3.0338e+00	3.0338e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.8868e+00	2.8868e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9058e+00	4.9057e+00	2e+00	5e-01	1e-15	4e-02
3:	5.1284e+00	5.1284e+00	3e-01	8e-02	4e-15	7e-03
4:	5.2047e+00	5.2047e+00	5e-02	2e-02	2e-15	1e-03
5:	5.2129e+00	5.2129e+00	7e-03	2e-03	1e-14	2e-04
6:	5.2145e+00	5.2145e+00	8e-05	2e-05	2e-15	2e-06
7:	5.2145e+00	5.2145e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.0152e-01	5.9947e-01	4e+00	1e+00	1e-16	2e-01
2:	1.5132e+00	1.5108e+00	1e+00	4e-01	8e-16	5e-02
3:	1.7255e+00	1.7248e+00	2e-01	6e-02	2e-15	6e-03
4:	1.7593e+00	1.7592e+00	3e-02	8e-03	2e-15	9e-04
5:	1.7670e+00	1.7670e+00	8e-04	2e-04	1e-15	2e-05
6:	1.7671e+00	1.7671e+00	8e-06	2e-06	1e-15	2e-07
7:	1.7671e+00	1.7671e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2637e+00	2.2604e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2422e+00	4.2408e+00	1e+00	5e-01	1e-15	4e-02
3:	4.5050e+00	4.5043e+00	3e-01	1e-01	3e-15	9e-03
4:	4.5807e+00	4.5805e+00	5e-02	2e-02	2e-15	1e-03
5:	4.5929e+00	4.5929e+00	5e-03	2e-03	9e-16	1e-04
6:	4.5940e+00	4.5940e+00	5e-05	2e-05	2e-15	1e-06
7:	4.5940e+00	4.5940e+00	5e-07	2e-07	3e-15	1e-08
8:	4.5940e+00	4.5940e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1443e+00	2.1409e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1683e+00	4.1667e+00	1e+00	4e-01	2e-15	4e-02
3:	4.4640e+00	4.4631e+00	4e-01	1e-01	2e-15	1e-02
4:	4.5273e+00	4.5270e+00	1e-01	3e-02	4e-15	3e-03
5:	4.5441e+00	4.5440e+00	1e-02	4e-03	5e-15	3e-04
6:	4.5466e+00	4.5466e+00	1e-04	4e-05	1e-15	4e-06
7:	4.5466e+00	4.5466e+00	1e-06	4e-07	1e-15	4e-08
8:	4.5466e+00	4.5466e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6259e+00	2.6234e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2705e+00	4.2696e+00	1e+00	4e-01	1e-15	4e-02
3:	4.4693e+00	4.4691e+00	3e-01	9e-02	1e-15	8e-03
4:	4.5274e+00	4.5274e+00	5e-02	2e-02	3e-15	1e-03
5:	4.5342e+00	4.5342e+00	9e-03	3e-03	3e-15	2e-04
6:	4.5364e+00	4.5364e+00	3e-04	8e-05	1e-15	7e-06

7:	4.5364e+00	4.5364e+00	3e-06	8e-07	8e-16	7e-08
8:	4.5364e+00	4.5364e+00	3e-08	8e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2750e+00	1.2720e+00	5e+00	2e+00	1e-16	2e-01
2:	2.8555e+00	2.8538e+00	1e+00	3e-01	2e-15	3e-02
3:	3.0726e+00	3.0722e+00	1e-01	4e-02	1e-15	4e-03
4:	3.0876e+00	3.0875e+00	3e-02	8e-03	6e-15	8e-04
5:	3.0928e+00	3.0928e+00	5e-03	2e-03	1e-15	1e-04
6:	3.0936e+00	3.0936e+00	5e-05	2e-05	3e-15	1e-06
7:	3.0936e+00	3.0936e+00	5e-07	2e-07	3e-15	1e-08
8:	3.0936e+00	3.0936e+00	5e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.6188e-01	9.5851e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2856e+00	2.2841e+00	1e+00	4e-01	2e-15	3e-02
3:	2.4459e+00	2.4448e+00	3e-01	8e-02	2e-15	7e-03
4:	2.4845e+00	2.4844e+00	3e-02	1e-02	1e-15	9e-04
5:	2.4918e+00	2.4917e+00	1e-02	3e-03	8e-16	3e-04
6:	2.4933e+00	2.4933e+00	2e-03	7e-04	1e-15	6e-05
7:	2.4937e+00	2.4937e+00	1e-04	3e-05	4e-16	3e-06
8:	2.4938e+00	2.4938e+00	1e-06	3e-07	6e-16	3e-08
9:	2.4938e+00	2.4938e+00	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5105e+00	2.5113e+00	6e+00	2e+00	2e-16	1e-01
2:	4.4480e+00	4.4483e+00	2e+00	6e-01	1e-15	4e-02
3:	4.8260e+00	4.8261e+00	2e-01	7e-02	1e-15	6e-03
4:	4.8527e+00	4.8527e+00	9e-03	3e-03	3e-15	2e-04
5:	4.8543e+00	4.8543e+00	9e-05	3e-05	2e-15	2e-06
6:	4.8543e+00	4.8543e+00	9e-07	3e-07	2e-15	2e-08
7:	4.8543e+00	4.8543e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5306e+00	1.5274e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2448e+00	3.2428e+00	1e+00	4e-01	1e-15	5e-02
3:	3.5829e+00	3.5822e+00	3e-01	9e-02	3e-15	9e-03
4:	3.6163e+00	3.6160e+00	7e-02	2e-02	3e-15	2e-03
5:	3.6322e+00	3.6321e+00	1e-02	3e-03	5e-15	3e-04
6:	3.6336e+00	3.6336e+00	7e-04	2e-04	7e-14	2e-05
7:	3.6337e+00	3.6337e+00	7e-06	2e-06	1e-14	2e-07
8:	3.6337e+00	3.6337e+00	7e-08	2e-08	8e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4663e+00	1.4630e+00	6e+00	2e+00	1e-16	2e-01
2:	2.7867e+00	2.7854e+00	1e+00	4e-01	3e-15	3e-02
3:	3.0235e+00	3.0231e+00	3e-01	8e-02	2e-15	8e-03
4:	3.0644e+00	3.0643e+00	6e-02	2e-02	2e-15	2e-03
5:	3.0789e+00	3.0789e+00	9e-03	3e-03	5e-16	2e-04
6:	3.0809e+00	3.0809e+00	1e-04	3e-05	1e-15	3e-06
7:	3.0809e+00	3.0809e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9189e+00	2.9179e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6210e+00	4.6207e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9767e+00	4.9766e+00	3e-01	9e-02	2e-15	8e-03
4:	5.0462e+00	5.0462e+00	2e-02	7e-03	3e-15	6e-04
5:	5.0516e+00	5.0516e+00	2e-04	7e-05	8e-16	6e-06
6:	5.0517e+00	5.0517e+00	2e-06	7e-07	7e-16	6e-08
7:	5.0517e+00	5.0517e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6853e+00	2.6820e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9186e+00	4.9175e+00	9e-01	3e-01	3e-15	3e-02
3:	5.1104e+00	5.1102e+00	9e-02	3e-02	4e-15	3e-03
4:	5.1192e+00	5.1191e+00	1e-02	4e-03	2e-14	3e-04
5:	5.1214e+00	5.1214e+00	1e-04	4e-05	2e-15	3e-06
6:	5.1214e+00	5.1214e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3158e+00	3.3149e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4502e+00	5.4499e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6471e+00	5.6470e+00	2e-01	5e-02	2e-15	4e-03
4:	5.6746e+00	5.6746e+00	1e-02	4e-03	2e-15	4e-04
5:	5.6784e+00	5.6784e+00	3e-03	9e-04	7e-16	7e-05
6:	5.6789e+00	5.6789e+00	3e-05	9e-06	1e-15	7e-07
7:	5.6789e+00	5.6789e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1361e+00	3.1344e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9648e+00	4.9641e+00	2e+00	5e-01	2e-15	4e-02
3:	5.1494e+00	5.1489e+00	6e-01	2e-01	3e-15	1e-02
4:	5.2799e+00	5.2797e+00	2e-01	7e-02	1e-15	5e-03
5:	5.3305e+00	5.3304e+00	4e-02	1e-02	1e-15	9e-04
6:	5.3392e+00	5.3392e+00	1e-02	3e-03	1e-15	2e-04
7:	5.3409e+00	5.3409e+00	9e-04	3e-04	4e-15	2e-05
8:	5.3411e+00	5.3411e+00	9e-06	3e-06	2e-15	2e-07



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9: 5.3411e+00 5.3411e+00 9e-08 3e-08 2e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.7831e+00 2.7816e+00 6e+00 2e+00 3e-16 2e-01
2: 4.3932e+00 4.3927e+00 1e+00 4e-01 2e-15 3e-02
3: 4.6217e+00 4.6215e+00 2e-01 8e-02 4e-15 6e-03
4: 4.6826e+00 4.6826e+00 3e-02 1e-02 7e-16 8e-04
5: 4.6900e+00 4.6900e+00 4e-03 1e-03 3e-15 9e-05
6: 4.6912e+00 4.6912e+00 4e-05 1e-05 4e-16 9e-07
7: 4.6912e+00 4.6912e+00 4e-07 1e-07 5e-16 9e-09
8: 4.6912e+00 4.6912e+00 4e-09 1e-09 9e-15 9e-11
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.9471e+00 1.9453e+00 6e+00 2e+00 2e-16 2e-01
2: 3.8213e+00 3.8207e+00 1e+00 4e-01 2e-15 3e-02
3: 4.0668e+00 4.0666e+00 3e-01 1e-01 2e-15 9e-03
4: 4.1109e+00 4.1108e+00 3e-02 1e-02 3e-15 9e-04
5: 4.1190e+00 4.1190e+00 4e-04 1e-04 8e-16 1e-05
6: 4.1191e+00 4.1191e+00 4e-06 1e-06 9e-16 1e-07
7: 4.1191e+00 4.1191e+00 4e-08 1e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.9854e+00 1.9822e+00 5e+00 2e+00 3e-16 2e-01
2: 3.9583e+00 3.9567e+00 1e+00 4e-01 2e-15 4e-02
3: 4.0542e+00 4.0532e+00 4e-01 1e-01 3e-15 1e-02
4: 4.1420e+00 4.1416e+00 1e-01 3e-02 1e-15 3e-03
5: 4.1618e+00 4.1617e+00 1e-02 5e-03 1e-15 4e-04
6: 4.1646e+00 4.1646e+00 1e-03 3e-04 1e-14 3e-05
7: 4.1648e+00 4.1648e+00 1e-05 3e-06 1e-15 3e-07
8: 4.1648e+00 4.1648e+00 1e-07 3e-08 2e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.2136e+00 2.2107e+00 6e+00 2e+00 2e-16 2e-01
2: 4.0017e+00 4.0005e+00 1e+00 4e-01 1e-15 4e-02
3: 4.1519e+00 4.1510e+00 5e-01 2e-01 5e-15 1e-02
4: 4.2678e+00 4.2676e+00 9e-02 3e-02 1e-15 2e-03
5: 4.2918e+00 4.2918e+00 4e-03 1e-03 2e-15 9e-05
6: 4.2928e+00 4.2928e+00 6e-04 2e-04 6e-16 2e-05
7: 4.2929e+00 4.2929e+00 6e-06 2e-06 7e-16 2e-07
8: 4.2930e+00 4.2930e+00 6e-08 2e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.3907e+00 1.3875e+00 5e+00 2e+00 3e-16 2e-01

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2:	3.1110e+00	3.1091e+00	1e+00	4e-01	4e-15	4e-02
3:	3.3201e+00	3.3191e+00	3e-01	9e-02	1e-15	8e-03
4:	3.3697e+00	3.3695e+00	5e-02	2e-02	1e-15	2e-03
5:	3.3829e+00	3.3829e+00	7e-04	2e-04	2e-15	2e-05
6:	3.3831e+00	3.3831e+00	7e-06	2e-06	2e-15	2e-07
7:	3.3831e+00	3.3831e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5386e+00	1.5352e+00	5e+00	2e+00	1e-16	2e-01
2:	3.0687e+00	3.0669e+00	1e+00	5e-01	2e-15	4e-02
3:	3.2431e+00	3.2421e+00	4e-01	1e-01	2e-15	1e-02
4:	3.3326e+00	3.3325e+00	5e-02	2e-02	7e-16	2e-03
5:	3.3431e+00	3.3431e+00	6e-04	2e-04	5e-16	2e-05
6:	3.3432e+00	3.3432e+00	6e-06	2e-06	8e-16	2e-07
7:	3.3432e+00	3.3432e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0153e+00	2.0121e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9785e+00	3.9770e+00	1e+00	4e-01	2e-15	4e-02
3:	4.1551e+00	4.1546e+00	3e-01	8e-02	2e-15	7e-03
4:	4.2044e+00	4.2043e+00	7e-02	2e-02	5e-15	2e-03
5:	4.2119e+00	4.2119e+00	5e-03	2e-03	1e-14	1e-04
6:	4.2131e+00	4.2131e+00	9e-05	3e-05	1e-15	3e-06
7:	4.2131e+00	4.2131e+00	9e-07	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7360e+00	1.7331e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9533e+00	2.9524e+00	9e-01	3e-01	3e-15	2e-02
3:	3.1234e+00	3.1232e+00	1e-01	4e-02	9e-16	3e-03
4:	3.1594e+00	3.1593e+00	2e-02	5e-03	9e-16	4e-04
5:	3.1626e+00	3.1626e+00	2e-04	6e-05	1e-15	5e-06
6:	3.1627e+00	3.1627e+00	2e-06	6e-07	9e-16	5e-08
7:	3.1627e+00	3.1627e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4280e+00	2.4307e+00	7e+00	2e+00	2e-16	2e-01
2:	4.1500e+00	4.1511e+00	2e+00	6e-01	1e-15	4e-02
3:	4.5251e+00	4.5254e+00	4e-01	1e-01	6e-16	1e-02
4:	4.5611e+00	4.5613e+00	1e-01	4e-02	4e-15	3e-03
5:	4.5841e+00	4.5842e+00	2e-02	7e-03	8e-16	6e-04
6:	4.5874e+00	4.5874e+00	1e-03	3e-04	2e-15	3e-05
7:	4.5876e+00	4.5876e+00	1e-05	3e-06	1e-15	3e-07
8:	4.5876e+00	4.5876e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2335e+00	2.2305e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7642e+00	3.7633e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9598e+00	3.9594e+00	2e-01	6e-02	2e-15	5e-03
4:	4.0058e+00	4.0057e+00	7e-02	2e-02	8e-16	2e-03
5:	4.0179e+00	4.0178e+00	1e-02	3e-03	1e-15	3e-04
6:	4.0199e+00	4.0199e+00	1e-04	4e-05	6e-16	3e-06
7:	4.0200e+00	4.0200e+00	1e-06	4e-07	7e-16	3e-08
8:	4.0200e+00	4.0200e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.1218e+00	3.1185e+00	5e+00	2e+00	2e-16	2e-01
2:	5.1116e+00	5.1102e+00	1e+00	5e-01	3e-15	4e-02
3:	5.4271e+00	5.4265e+00	4e-01	1e-01	3e-15	1e-02
4:	5.4841e+00	5.4840e+00	5e-02	2e-02	6e-15	2e-03
5:	5.4990e+00	5.4990e+00	8e-03	3e-03	2e-15	2e-04
6:	5.5005e+00	5.5005e+00	2e-04	7e-05	2e-14	6e-06
7:	5.5005e+00	5.5005e+00	2e-06	7e-07	4e-15	6e-08
8:	5.5005e+00	5.5005e+00	2e-08	7e-09	6e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0085e+00	2.0069e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7922e+00	3.7914e+00	2e+00	6e-01	9e-16	5e-02
3:	3.9876e+00	3.9872e+00	5e-01	2e-01	4e-15	1e-02
4:	4.1355e+00	4.1355e+00	7e-02	2e-02	6e-16	2e-03
5:	4.1492e+00	4.1492e+00	9e-03	3e-03	8e-15	2e-04
6:	4.1510e+00	4.1510e+00	4e-04	1e-04	2e-14	9e-06
7:	4.1510e+00	4.1510e+00	4e-06	1e-06	7e-15	9e-08
8:	4.1510e+00	4.1510e+00	4e-08	1e-08	7e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1121e+00	2.1096e+00	5e+00	2e+00	2e-16	1e-01
2:	4.0411e+00	4.0400e+00	1e+00	4e-01	2e-15	4e-02
3:	4.2543e+00	4.2535e+00	4e-01	1e-01	2e-15	1e-02
4:	4.3354e+00	4.3353e+00	6e-02	2e-02	1e-15	1e-03
5:	4.3496e+00	4.3496e+00	6e-03	2e-03	3e-15	1e-04
6:	4.3508e+00	4.3508e+00	6e-05	2e-05	4e-15	2e-06
7:	4.3508e+00	4.3508e+00	6e-07	2e-07	7e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4766e+00	2.4732e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4570e+00	4.4548e+00	1e+00	4e-01	3e-15	4e-02
3:	4.6772e+00	4.6764e+00	3e-01	1e-01	3e-15	1e-02

4:	4.7955e+00	4.7954e+00	6e-02	2e-02	1e-15	2e-03
5:	4.8063e+00	4.8063e+00	1e-02	3e-03	1e-14	3e-04
6:	4.8077e+00	4.8077e+00	1e-03	3e-04	5e-14	3e-05
7:	4.8079e+00	4.8079e+00	1e-05	3e-06	1e-14	3e-07
8:	4.8079e+00	4.8079e+00	1e-07	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7910e+00	2.7879e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9602e+00	4.9589e+00	1e+00	3e-01	4e-15	3e-02
3:	5.1156e+00	5.1153e+00	2e-01	6e-02	4e-15	5e-03
4:	5.1576e+00	5.1575e+00	5e-02	1e-02	6e-15	1e-03
5:	5.1644e+00	5.1644e+00	3e-03	9e-04	2e-14	8e-05
6:	5.1651e+00	5.1651e+00	3e-05	1e-05	1e-15	9e-07
7:	5.1651e+00	5.1651e+00	3e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5465e-01	6.5187e-01	5e+00	1e+00	2e-16	2e-01
2:	1.5842e+00	1.5823e+00	9e-01	3e-01	1e-15	3e-02
3:	1.7153e+00	1.7149e+00	2e-01	6e-02	5e-16	6e-03
4:	1.7329e+00	1.7329e+00	3e-02	1e-02	7e-16	1e-03
5:	1.7390e+00	1.7390e+00	4e-03	1e-03	1e-15	1e-04
6:	1.7401e+00	1.7401e+00	6e-05	2e-05	7e-16	2e-06
7:	1.7401e+00	1.7401e+00	6e-07	2e-07	8e-16	2e-08
8:	1.7401e+00	1.7401e+00	6e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1391e+00	2.1359e+00	5e+00	2e+00	3e-16	2e-01
2:	3.8798e+00	3.8779e+00	2e+00	5e-01	2e-15	5e-02
3:	4.1324e+00	4.1302e+00	6e-01	2e-01	7e-15	2e-02
4:	4.2082e+00	4.2077e+00	1e-01	4e-02	2e-15	4e-03
5:	4.2360e+00	4.2358e+00	4e-02	1e-02	4e-15	1e-03
6:	4.2429e+00	4.2429e+00	8e-03	2e-03	3e-15	2e-04
7:	4.2440e+00	4.2440e+00	9e-05	3e-05	4e-15	3e-06
8:	4.2440e+00	4.2440e+00	9e-07	3e-07	5e-15	3e-08
9:	4.2440e+00	4.2440e+00	9e-09	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1841e+00	2.1808e+00	5e+00	2e+00	2e-16	2e-01
2:	4.0107e+00	4.0091e+00	1e+00	4e-01	3e-15	4e-02
3:	4.2806e+00	4.2800e+00	2e-01	8e-02	4e-15	7e-03
4:	4.3319e+00	4.3317e+00	3e-02	1e-02	8e-15	9e-04
5:	4.3407e+00	4.3407e+00	1e-03	3e-04	9e-16	3e-05
6:	4.3408e+00	4.3408e+00	1e-05	3e-06	3e-15	3e-07
7:	4.3408e+00	4.3408e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.6037e+00	1.6007e+00	5e+00	2e+00	3e-16	2e-01
2:	3.3858e+00	3.3838e+00	1e+00	4e-01	1e-15	5e-02
3:	3.6326e+00	3.6319e+00	3e-01	9e-02	3e-15	9e-03
4:	3.6982e+00	3.6979e+00	6e-02	2e-02	2e-15	2e-03
5:	3.7066e+00	3.7065e+00	7e-03	2e-03	1e-14	2e-04
6:	3.7080e+00	3.7080e+00	7e-05	2e-05	2e-15	2e-06
7:	3.7080e+00	3.7080e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	2.9628e+00	2.9717e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7057e+00	4.7094e+00	2e+00	7e-01	9e-16	5e-02
3:	5.0526e+00	5.0533e+00	4e-01	1e-01	1e-15	8e-03
4:	5.1266e+00	5.1267e+00	6e-02	2e-02	1e-15	1e-03
5:	5.1365e+00	5.1365e+00	4e-03	1e-03	9e-15	1e-04
6:	5.1372e+00	5.1372e+00	4e-05	1e-05	1e-14	1e-06
7:	5.1372e+00	5.1372e+00	4e-07	1e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.8617e+00	2.8673e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9644e+00	4.9661e+00	2e+00	5e-01	6e-16	4e-02
3:	5.3245e+00	5.3251e+00	3e-01	1e-01	1e-15	8e-03
4:	5.3424e+00	5.3427e+00	1e-01	4e-02	7e-15	3e-03
5:	5.3673e+00	5.3674e+00	2e-02	7e-03	2e-15	6e-04
6:	5.3718e+00	5.3718e+00	5e-04	2e-04	4e-15	1e-05
7:	5.3719e+00	5.3719e+00	5e-06	2e-06	2e-15	1e-07
8:	5.3719e+00	5.3719e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0908e+00	1.0876e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5005e+00	2.4985e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6517e+00	2.6510e+00	2e-01	7e-02	1e-15	7e-03
4:	2.7019e+00	2.7016e+00	6e-02	2e-02	6e-16	2e-03
5:	2.7095e+00	2.7095e+00	1e-02	4e-03	3e-15	4e-04
6:	2.7124e+00	2.7124e+00	4e-04	1e-04	1e-15	1e-05
7:	2.7125e+00	2.7125e+00	4e-06	1e-06	4e-15	1e-07
8:	2.7125e+00	2.7125e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.8884e-01	8.8659e-01	4e+00	1e+00	2e-16	2e-01
2:	2.3095e+00	2.3075e+00	9e-01	3e-01	1e-15	3e-02
3:	2.4621e+00	2.4616e+00	2e-01	6e-02	1e-15	7e-03

4:	2.4916e+00	2.4916e+00	3e-02	8e-03	2e-15	9e-04
5:	2.4946e+00	2.4946e+00	3e-04	1e-04	5e-15	1e-05
6:	2.4946e+00	2.4946e+00	3e-06	1e-06	4e-15	1e-07
7:	2.4946e+00	2.4946e+00	3e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2251e+00	2.2229e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1794e+00	4.1786e+00	1e+00	4e-01	2e-15	3e-02
3:	4.5009e+00	4.5007e+00	2e-01	8e-02	1e-15	6e-03
4:	4.5362e+00	4.5362e+00	5e-02	2e-02	7e-15	1e-03
5:	4.5468e+00	4.5467e+00	1e-02	4e-03	5e-15	3e-04
6:	4.5490e+00	4.5490e+00	7e-04	2e-04	2e-14	2e-05
7:	4.5491e+00	4.5491e+00	7e-06	2e-06	6e-15	2e-07
8:	4.5491e+00	4.5491e+00	7e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2023e+00	2.1993e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0706e+00	4.0693e+00	1e+00	5e-01	2e-15	4e-02
3:	4.3880e+00	4.3874e+00	4e-01	1e-01	1e-15	1e-02
4:	4.4702e+00	4.4701e+00	5e-02	2e-02	1e-15	1e-03
5:	4.4819e+00	4.4818e+00	2e-02	7e-03	8e-16	6e-04
6:	4.4859e+00	4.4859e+00	2e-03	5e-04	3e-15	4e-05
7:	4.4862e+00	4.4862e+00	2e-05	5e-06	1e-15	4e-07
8:	4.4862e+00	4.4862e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2398e+00	2.2377e+00	6e+00	2e+00	2e-16	1e-01
2:	3.6360e+00	3.6352e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8564e+00	3.8559e+00	3e-01	9e-02	2e-15	7e-03
4:	3.9145e+00	3.9145e+00	5e-02	2e-02	6e-16	1e-03
5:	3.9274e+00	3.9273e+00	1e-02	5e-03	5e-16	4e-04
6:	3.9304e+00	3.9304e+00	1e-03	4e-04	2e-15	3e-05
7:	3.9306e+00	3.9306e+00	1e-05	4e-06	6e-16	3e-07
8:	3.9306e+00	3.9306e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2279e+00	2.2253e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4921e+00	3.4908e+00	1e+00	5e-01	6e-15	4e-02
3:	3.8292e+00	3.8289e+00	2e-01	8e-02	1e-15	6e-03
4:	3.8609e+00	3.8608e+00	6e-02	2e-02	8e-15	1e-03
5:	3.8764e+00	3.8764e+00	1e-03	3e-04	7e-16	3e-05
6:	3.8766e+00	3.8766e+00	1e-05	3e-06	6e-16	3e-07
7:	3.8766e+00	3.8766e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3021e+00	2.3024e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7857e+00	3.7858e+00	2e+00	5e-01	9e-16	4e-02
3:	4.3241e+00	4.3241e+00	3e-01	8e-02	1e-15	7e-03
4:	4.3613e+00	4.3613e+00	4e-02	1e-02	3e-15	9e-04
5:	4.3684e+00	4.3684e+00	2e-03	6e-04	1e-14	5e-05
6:	4.3687e+00	4.3687e+00	2e-05	7e-06	2e-14	6e-07
7:	4.3687e+00	4.3687e+00	2e-07	7e-08	2e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5912e+00	1.5899e+00	6e+00	2e+00	2e-16	2e-01
2:	3.1061e+00	3.1056e+00	1e+00	4e-01	1e-15	3e-02
3:	3.2227e+00	3.2224e+00	5e-01	2e-01	2e-15	1e-02
4:	3.3229e+00	3.3228e+00	1e-01	4e-02	1e-15	4e-03
5:	3.3466e+00	3.3466e+00	4e-03	1e-03	1e-15	1e-04
6:	3.3473e+00	3.3473e+00	4e-05	1e-05	5e-16	1e-06
7:	3.3473e+00	3.3473e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3865e+00	3.3838e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2765e+00	5.2753e+00	2e+00	5e-01	1e-15	4e-02
3:	5.7512e+00	5.7507e+00	4e-01	1e-01	3e-15	1e-02
4:	5.8376e+00	5.8375e+00	6e-02	2e-02	5e-15	2e-03
5:	5.8504e+00	5.8504e+00	1e-03	4e-04	8e-15	3e-05
6:	5.8507e+00	5.8507e+00	1e-05	4e-06	3e-15	3e-07
7:	5.8507e+00	5.8507e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1625e+00	2.1594e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8921e+00	3.8906e+00	2e+00	5e-01	2e-15	5e-02
3:	4.2966e+00	4.2962e+00	3e-01	1e-01	1e-15	9e-03
4:	4.3430e+00	4.3429e+00	6e-02	2e-02	4e-15	2e-03
5:	4.3557e+00	4.3556e+00	2e-03	5e-04	4e-15	4e-05
6:	4.3559e+00	4.3559e+00	2e-05	5e-06	4e-15	4e-07
7:	4.3559e+00	4.3559e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4668e+00	2.4640e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4660e+00	4.4649e+00	1e+00	4e-01	1e-15	3e-02
3:	4.6706e+00	4.6698e+00	4e-01	1e-01	4e-15	1e-02
4:	4.7632e+00	4.7631e+00	3e-02	1e-02	1e-15	8e-04
5:	4.7700e+00	4.7700e+00	8e-04	3e-04	5e-15	2e-05
6:	4.7702e+00	4.7702e+00	8e-06	3e-06	9e-16	2e-07

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7:  4.7702e+00  4.7702e+00  8e-08  3e-08  1e-15  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  9e+00  1e-16  1e+00
1:  1.2703e+00  1.2672e+00  5e+00  2e+00  2e-16  2e-01
2:  2.8299e+00  2.8281e+00  1e+00  4e-01  3e-15  4e-02
3:  3.0474e+00  3.0470e+00  2e-01  6e-02  2e-15  6e-03
4:  3.0773e+00  3.0772e+00  1e-02  4e-03  9e-16  3e-04
5:  3.0791e+00  3.0791e+00  1e-04  4e-05  1e-15  4e-06
6:  3.0791e+00  3.0791e+00  1e-06  4e-07  2e-15  4e-08
7:  3.0791e+00  3.0791e+00  1e-08  4e-09  1e-15  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  2.4767e+00  2.4733e+00  5e+00  2e+00  2e-16  2e-01
2:  4.3243e+00  4.3231e+00  1e+00  4e-01  2e-15  3e-02
3:  4.6245e+00  4.6240e+00  3e-01  1e-01  4e-15  1e-02
4:  4.6844e+00  4.6842e+00  5e-02  2e-02  5e-15  1e-03
5:  4.6904e+00  4.6903e+00  6e-03  2e-03  6e-15  2e-04
6:  4.6916e+00  4.6916e+00  1e-04  5e-05  2e-15  4e-06
7:  4.6916e+00  4.6916e+00  1e-06  5e-07  2e-15  4e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  1.8190e+00  1.8182e+00  6e+00  2e+00  2e-16  2e-01
2:  3.3213e+00  3.3210e+00  1e+00  5e-01  1e-15  4e-02
3:  3.6663e+00  3.6662e+00  5e-01  1e-01  6e-16  1e-02
4:  3.7326e+00  3.7326e+00  4e-02  1e-02  2e-15  1e-03
5:  3.7421e+00  3.7421e+00  6e-03  2e-03  4e-16  2e-04
6:  3.7431e+00  3.7431e+00  9e-04  3e-04  3e-15  2e-05
7:  3.7433e+00  3.7433e+00  1e-05  3e-06  8e-16  2e-07
8:  3.7433e+00  3.7433e+00  1e-07  3e-08  7e-16  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.0851e+00  3.0825e+00  6e+00  2e+00  3e-16  2e-01
2:  4.6899e+00  4.6881e+00  2e+00  7e-01  2e-15  6e-02
3:  5.4351e+00  5.4347e+00  4e-01  1e-01  1e-15  1e-02
4:  5.5572e+00  5.5571e+00  8e-02  3e-02  7e-15  2e-03
5:  5.5722e+00  5.5722e+00  7e-03  2e-03  9e-15  2e-04
6:  5.5736e+00  5.5736e+00  8e-05  3e-05  1e-14  2e-06
7:  5.5736e+00  5.5736e+00  8e-07  3e-07  7e-15  2e-08
8:  5.5736e+00  5.5736e+00  8e-09  3e-09  1e-14  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.8611e+00  2.8601e+00  6e+00  2e+00  2e-16  2e-01
2:  5.3143e+00  5.3137e+00  2e+00  6e-01  2e-15  5e-02

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3:	5.5249e+00	5.5244e+00	7e-01	2e-01	2e-15	2e-02
4:	5.6605e+00	5.6605e+00	9e-02	3e-02	2e-15	2e-03
5:	5.6812e+00	5.6812e+00	8e-03	3e-03	1e-15	2e-04
6:	5.6833e+00	5.6833e+00	8e-05	3e-05	1e-15	2e-06
7:	5.6833e+00	5.6833e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5869e+00	1.5836e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4635e+00	3.4620e+00	1e+00	4e-01	7e-16	4e-02
3:	3.6378e+00	3.6369e+00	2e-01	7e-02	1e-15	6e-03
4:	3.6836e+00	3.6833e+00	6e-02	2e-02	6e-16	2e-03
5:	3.6940e+00	3.6940e+00	4e-03	1e-03	1e-14	1e-04
6:	3.6946e+00	3.6946e+00	7e-05	2e-05	3e-14	2e-06
7:	3.6946e+00	3.6946e+00	7e-07	2e-07	1e-14	2e-08
8:	3.6946e+00	3.6946e+00	7e-09	2e-09	3e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0974e+00	2.0941e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1682e+00	4.1666e+00	1e+00	4e-01	3e-15	4e-02
3:	4.4276e+00	4.4270e+00	2e-01	8e-02	2e-15	7e-03
4:	4.4792e+00	4.4791e+00	4e-02	1e-02	6e-15	1e-03
5:	4.4875e+00	4.4875e+00	2e-03	7e-04	1e-14	6e-05
6:	4.4880e+00	4.4880e+00	2e-05	7e-06	2e-15	6e-07
7:	4.4880e+00	4.4880e+00	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6240e+00	1.6206e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3850e+00	3.3833e+00	1e+00	4e-01	1e-15	4e-02
3:	3.6839e+00	3.6834e+00	3e-01	9e-02	7e-16	9e-03
4:	3.7321e+00	3.7320e+00	2e-02	5e-03	4e-15	4e-04
5:	3.7347e+00	3.7347e+00	2e-04	5e-05	1e-15	5e-06
6:	3.7347e+00	3.7347e+00	2e-06	5e-07	2e-15	5e-08
7:	3.7347e+00	3.7347e+00	2e-08	5e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.6604e-01	8.6267e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8935e+00	1.8916e+00	1e+00	4e-01	4e-16	4e-02
3:	2.1409e+00	2.1402e+00	4e-01	1e-01	7e-16	1e-02
4:	2.1905e+00	2.1902e+00	8e-02	2e-02	1e-15	2e-03
5:	2.2066e+00	2.2065e+00	2e-03	6e-04	6e-16	5e-05
6:	2.2069e+00	2.2069e+00	2e-05	6e-06	6e-16	5e-07
7:	2.2069e+00	2.2069e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.4637e-01	9.4319e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1612e+00	2.1592e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4349e+00	2.4345e+00	2e-01	6e-02	7e-16	6e-03
4:	2.4750e+00	2.4749e+00	5e-02	1e-02	1e-15	1e-03
5:	2.4819e+00	2.4819e+00	2e-03	8e-04	5e-15	7e-05
6:	2.4824e+00	2.4824e+00	3e-05	8e-06	6e-16	7e-07
7:	2.4824e+00	2.4824e+00	3e-07	8e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6078e+00	1.6048e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2048e+00	3.2030e+00	2e+00	6e-01	1e-15	5e-02
3:	3.6467e+00	3.6464e+00	2e-01	7e-02	1e-15	6e-03
4:	3.6893e+00	3.6892e+00	3e-02	1e-02	4e-15	9e-04
5:	3.6955e+00	3.6955e+00	9e-03	3e-03	1e-14	2e-04
6:	3.6981e+00	3.6981e+00	1e-04	4e-05	1e-15	3e-06
7:	3.6981e+00	3.6981e+00	1e-06	4e-07	6e-15	3e-08
8:	3.6981e+00	3.6981e+00	1e-08	4e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8839e+00	2.8825e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7479e+00	4.7474e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9618e+00	4.9615e+00	4e-01	1e-01	3e-15	9e-03
4:	5.0896e+00	5.0895e+00	6e-02	2e-02	1e-15	2e-03
5:	5.1090e+00	5.1090e+00	1e-03	3e-04	3e-15	3e-05
6:	5.1093e+00	5.1093e+00	1e-05	3e-06	2e-15	3e-07
7:	5.1093e+00	5.1093e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2556e+00	1.2523e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5216e+00	2.5197e+00	2e+00	5e-01	1e-15	5e-02
3:	2.7482e+00	2.7475e+00	3e-01	1e-01	1e-15	9e-03
4:	2.8191e+00	2.8188e+00	1e-01	4e-02	1e-15	3e-03
5:	2.8395e+00	2.8394e+00	3e-02	1e-02	2e-15	1e-03
6:	2.8432e+00	2.8431e+00	1e-02	4e-03	4e-15	3e-04
7:	2.8444e+00	2.8444e+00	1e-03	4e-04	9e-15	4e-05
8:	2.8447e+00	2.8447e+00	1e-05	5e-06	2e-15	4e-07
9:	2.8447e+00	2.8447e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0230e+00	2.0197e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2581e+00	4.2566e+00	1e+00	4e-01	9e-16	3e-02
3:	4.3628e+00	4.3613e+00	5e-01	1e-01	2e-15	1e-02
4:	4.4738e+00	4.4736e+00	6e-02	2e-02	1e-15	2e-03

5:	4.4854e+00	4.4854e+00	1e-03	4e-04	5e-15	4e-05
6:	4.4857e+00	4.4857e+00	1e-05	4e-06	2e-15	4e-07
7:	4.4858e+00	4.4858e+00	1e-07	4e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2559e+00	4.2543e+00	6e+00	2e+00	2e-16	1e-01
2:	5.7467e+00	5.7460e+00	1e+00	4e-01	5e-15	3e-02
3:	5.9564e+00	5.9563e+00	2e-01	6e-02	2e-15	5e-03
4:	5.9921e+00	5.9920e+00	4e-02	1e-02	4e-15	9e-04
5:	6.0017e+00	6.0017e+00	4e-03	1e-03	9e-16	1e-04
6:	6.0025e+00	6.0025e+00	1e-04	3e-05	3e-15	3e-06
7:	6.0025e+00	6.0025e+00	1e-06	3e-07	9e-16	3e-08
8:	6.0025e+00	6.0025e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0418e+00	1.0393e+00	4e+00	1e+00	2e-16	2e-01
2:	2.5079e+00	2.5060e+00	1e+00	4e-01	8e-16	4e-02
3:	2.7306e+00	2.7284e+00	4e-01	1e-01	3e-15	1e-02
4:	2.7958e+00	2.7950e+00	1e-01	4e-02	3e-15	3e-03
5:	2.8234e+00	2.8233e+00	2e-02	5e-03	3e-15	5e-04
6:	2.8259e+00	2.8259e+00	1e-03	4e-04	2e-14	3e-05
7:	2.8262e+00	2.8262e+00	1e-05	4e-06	4e-15	4e-07
8:	2.8262e+00	2.8262e+00	1e-07	4e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4565e+00	3.4567e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5646e+00	5.5647e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9337e+00	5.9337e+00	4e-01	1e-01	1e-15	1e-02
4:	5.9844e+00	5.9844e+00	5e-02	2e-02	3e-15	1e-03
5:	5.9959e+00	5.9959e+00	6e-03	2e-03	9e-16	1e-04
6:	5.9969e+00	5.9969e+00	6e-05	2e-05	1e-15	1e-06
7:	5.9969e+00	5.9969e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4295e+00	2.4290e+00	6e+00	2e+00	2e-16	1e-01
2:	3.5226e+00	3.5224e+00	2e+00	5e-01	3e-15	4e-02
3:	4.0183e+00	4.0182e+00	3e-01	1e-01	8e-16	8e-03
4:	4.0720e+00	4.0720e+00	6e-02	2e-02	5e-15	2e-03
5:	4.0856e+00	4.0856e+00	2e-02	7e-03	2e-15	6e-04
6:	4.0901e+00	4.0901e+00	6e-04	2e-04	2e-15	1e-05
7:	4.0903e+00	4.0903e+00	6e-06	2e-06	9e-16	1e-07
8:	4.0903e+00	4.0903e+00	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5020e+00	2.5032e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3350e+00	4.3353e+00	1e+00	4e-01	7e-16	3e-02
3:	4.5322e+00	4.5324e+00	5e-01	1e-01	1e-15	1e-02
4:	4.5772e+00	4.5773e+00	7e-02	2e-02	2e-15	2e-03
5:	4.5919e+00	4.5920e+00	2e-02	5e-03	7e-16	4e-04
6:	4.5944e+00	4.5944e+00	4e-04	1e-04	4e-15	9e-06
7:	4.5945e+00	4.5945e+00	4e-06	1e-06	1e-15	9e-08
8:	4.5945e+00	4.5945e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0227e+00	2.0195e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4456e+00	3.4444e+00	1e+00	4e-01	5e-15	4e-02
3:	3.8447e+00	3.8442e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9091e+00	3.9089e+00	1e-01	4e-02	5e-15	3e-03
5:	3.9341e+00	3.9341e+00	2e-02	6e-03	3e-15	5e-04
6:	3.9397e+00	3.9397e+00	8e-04	3e-04	9e-16	2e-05
7:	3.9399e+00	3.9399e+00	8e-06	3e-06	1e-15	2e-07
8:	3.9399e+00	3.9399e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2714e+00	2.2681e+00	5e+00	2e+00	3e-16	2e-01
2:	4.5825e+00	4.5811e+00	1e+00	3e-01	3e-15	3e-02
3:	4.6009e+00	4.5993e+00	5e-01	1e-01	7e-15	1e-02
4:	4.6912e+00	4.6910e+00	6e-02	2e-02	2e-15	2e-03
5:	4.7051e+00	4.7050e+00	2e-02	6e-03	8e-16	5e-04
6:	4.7092e+00	4.7092e+00	3e-04	1e-04	2e-15	8e-06
7:	4.7093e+00	4.7093e+00	3e-06	1e-06	1e-15	8e-08
8:	4.7093e+00	4.7093e+00	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1605e+00	1.1573e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4848e+00	2.4829e+00	1e+00	5e-01	2e-15	5e-02
3:	2.7124e+00	2.7116e+00	2e-01	7e-02	1e-15	6e-03
4:	2.7536e+00	2.7533e+00	7e-02	2e-02	9e-16	2e-03
5:	2.7609e+00	2.7609e+00	5e-03	2e-03	2e-15	1e-04
6:	2.7618e+00	2.7618e+00	8e-04	3e-04	7e-16	2e-05
7:	2.7619e+00	2.7619e+00	1e-05	3e-06	1e-15	3e-07
8:	2.7619e+00	2.7619e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1106e+00	2.1073e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1459e+00	4.1447e+00	1e+00	3e-01	2e-15	3e-02
3:	4.2701e+00	4.2692e+00	2e-01	8e-02	5e-15	7e-03

4:	4.3164e+00	4.3163e+00	3e-02	1e-02	9e-16	9e-04
5:	4.3228e+00	4.3228e+00	2e-03	6e-04	2e-15	5e-05
6:	4.3232e+00	4.3232e+00	2e-05	6e-06	6e-16	5e-07
7:	4.3232e+00	4.3232e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9387e+00	2.9354e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8791e+00	4.8775e+00	1e+00	5e-01	2e-15	4e-02
3:	5.1044e+00	5.1038e+00	4e-01	1e-01	4e-15	1e-02
4:	5.2092e+00	5.2090e+00	1e-01	3e-02	2e-15	3e-03
5:	5.2299e+00	5.2299e+00	2e-02	6e-03	3e-15	5e-04
6:	5.2328e+00	5.2328e+00	3e-04	9e-05	1e-14	8e-06
7:	5.2329e+00	5.2329e+00	3e-06	9e-07	7e-15	8e-08
8:	5.2329e+00	5.2329e+00	3e-08	9e-09	9e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2174e+00	2.2140e+00	5e+00	2e+00	3e-16	2e-01
2:	4.5595e+00	4.5578e+00	1e+00	4e-01	4e-15	4e-02
3:	4.7175e+00	4.7167e+00	3e-01	1e-01	2e-15	9e-03
4:	4.7988e+00	4.7986e+00	6e-02	2e-02	2e-15	2e-03
5:	4.8080e+00	4.8080e+00	3e-03	1e-03	9e-15	8e-05
6:	4.8086e+00	4.8086e+00	3e-05	1e-05	3e-15	8e-07
7:	4.8087e+00	4.8087e+00	3e-07	1e-07	4e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5304e+00	3.5289e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8454e+00	5.8449e+00	1e+00	5e-01	2e-15	4e-02
3:	6.1955e+00	6.1954e+00	1e-01	5e-02	2e-15	4e-03
4:	6.2197e+00	6.2197e+00	2e-02	7e-03	2e-14	6e-04
5:	6.2255e+00	6.2255e+00	3e-04	1e-04	1e-15	8e-06
6:	6.2256e+00	6.2256e+00	3e-06	1e-06	3e-15	8e-08
7:	6.2256e+00	6.2256e+00	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7382e+00	1.7406e+00	6e+00	2e+00	2e-16	1e-01
2:	3.0021e+00	3.0030e+00	2e+00	5e-01	6e-16	4e-02
3:	3.2882e+00	3.2884e+00	3e-01	1e-01	6e-16	8e-03
4:	3.3824e+00	3.3825e+00	7e-02	2e-02	8e-16	2e-03
5:	3.3919e+00	3.3919e+00	6e-03	2e-03	3e-15	2e-04
6:	3.3932e+00	3.3932e+00	7e-05	2e-05	1e-15	2e-06
7:	3.3932e+00	3.3932e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	4.2374e-01	4.2149e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9668e-01	9.9421e-01	2e+00	5e-01	5e-16	6e-02
3:	9.9534e-01	9.9430e-01	9e-02	3e-02	2e-15	2e-03
4:	9.9995e-01	9.9994e-01	9e-04	3e-04	2e-16	2e-05
5:	1.0000e+00	1.0000e+00	9e-06	3e-06	5e-16	2e-07
6:	1.0000e+00	1.0000e+00	9e-08	3e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9791e-01	3.9591e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9645e-01	9.9396e-01	2e+00	5e-01	5e-16	6e-02
3:	9.9126e-01	9.8945e-01	1e-01	4e-02	2e-15	4e-03
4:	9.9991e-01	9.9989e-01	1e-03	5e-04	4e-16	4e-05
5:	1.0000e+00	1.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	1.0000e+00	1.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6399e-01	4.6134e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9650e-01	9.9461e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9605e-01	9.9534e-01	7e-02	2e-02	2e-15	2e-03
4:	9.9996e-01	9.9995e-01	7e-04	2e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7096e-01	4.6827e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9692e-01	9.9468e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9871e-01	9.9843e-01	3e-02	9e-03	7e-16	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	9e-05	3e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	3e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4181e-01	4.3939e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9689e-01	9.9439e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9766e-01	9.9711e-01	5e-02	2e-02	2e-15	1e-03
4:	9.9998e-01	9.9997e-01	5e-04	2e-04	6e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	2e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.5229e-01	2.5157e-01	3e+00	9e-01	3e-16	1e-01
2:	9.9487e-01	9.9252e-01	8e-01	3e-01	8e-16	3e-02
3:	9.2150e-01	9.1597e-01	4e-01	1e-01	6e-15	1e-02

4:	9.9929e-01	9.9916e-01	1e-02	3e-03	4e-16	3e-04
5:	9.9999e-01	9.9999e-01	1e-04	3e-05	9e-16	3e-06
6:	1.0000e+00	1.0000e+00	1e-06	3e-07	6e-16	3e-08
7:	1.0000e+00	1.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.0502e-01	3.0356e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9536e-01	9.9304e-01	1e+00	3e-01	8e-16	4e-02
3:	9.5782e-01	9.5342e-01	4e-01	1e-01	3e-15	1e-02
4:	9.9960e-01	9.9953e-01	6e-03	2e-03	3e-16	2e-04
5:	1.0000e+00	1.0000e+00	6e-05	2e-05	6e-16	2e-06
6:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08
7:	1.0000e+00	1.0000e+00	6e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1623e-01	4.1406e-01	4e+00	1e+00	1e-16	2e-01
2:	9.9669e-01	9.9414e-01	2e+00	5e-01	9e-16	6e-02
3:	9.9498e-01	9.9382e-01	1e-01	3e-02	3e-15	2e-03
4:	9.9995e-01	9.9994e-01	1e-03	3e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4420e-01	3.4273e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9613e-01	9.9343e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8126e-01	9.7761e-01	3e-01	8e-02	1e-15	6e-03
4:	9.9982e-01	9.9978e-01	3e-03	9e-04	3e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	5e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7413e-01	3.7235e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9595e-01	9.9372e-01	1e+00	4e-01	1e-15	4e-02
3:	9.8065e-01	9.7779e-01	2e-01	7e-02	3e-15	5e-03
4:	9.9981e-01	9.9978e-01	2e-03	8e-04	5e-16	6e-05
5:	1.0000e+00	1.0000e+00	2e-05	8e-06	3e-16	6e-07
6:	1.0000e+00	1.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3591e-01	6.3261e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9633e-01	4e-01	1e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	2e-16	1e-06

5:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
6:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6721e-01	4.6454e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9666e-01	9.9465e-01	1e+00	4e-01	5e-16	5e-02
3:	9.9729e-01	9.9676e-01	5e-02	2e-02	1e-15	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2183e-01	6.1849e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9694e-01	9.9618e-01	4e-01	1e-01	4e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	2e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.1961e-01	3.1836e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9575e-01	9.9318e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6738e-01	9.6257e-01	3e-01	1e-01	3e-15	8e-03
4:	9.9969e-01	9.9963e-01	4e-03	1e-03	4e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.9035e-01	2.8935e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9537e-01	9.9289e-01	1e+00	4e-01	6e-16	5e-02
3:	9.4694e-01	9.4104e-01	4e-01	1e-01	1e-15	9e-03
4:	9.9951e-01	9.9941e-01	6e-03	2e-03	2e-16	2e-04
5:	1.0000e+00	9.9999e-01	6e-05	2e-05	4e-16	2e-06
6:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08
7:	1.0000e+00	1.0000e+00	6e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9400e-01	4.9114e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9491e-01	1e+00	4e-01	2e-15	5e-02
3:	9.9960e-01	9.9951e-01	2e-02	6e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	6e-05	4e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	5e-16	5e-10



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9835e-01	3.9635e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9652e-01	9.9396e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9217e-01	9.9046e-01	1e-01	4e-02	5e-16	3e-03
4:	9.9992e-01	9.9990e-01	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7194e-01	1.7113e-01	3e+00	9e-01	2e-16	1e-01
2:	7.4125e-01	7.3876e-01	8e-01	3e-01	5e-16	3e-02
3:	9.3069e-01	9.2986e-01	1e-01	4e-02	6e-16	5e-03
4:	9.6460e-01	9.6434e-01	2e-02	7e-03	2e-15	7e-04
5:	9.6668e-01	9.6665e-01	2e-03	6e-04	9e-15	5e-05
6:	9.6715e-01	9.6715e-01	2e-05	6e-06	7e-15	5e-07
7:	9.6716e-01	9.6716e-01	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4042e-01	4.3800e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9657e-01	9.9438e-01	1e+00	5e-01	3e-15	5e-02
3:	9.9537e-01	9.9443e-01	8e-02	3e-02	3e-15	2e-03
4:	9.9995e-01	9.9994e-01	8e-04	3e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9012e-01	3.8820e-01	4e+00	1e+00	3e-16	2e-01
2:	9.9632e-01	9.9388e-01	1e+00	5e-01	2e-15	5e-02
3:	9.8881e-01	9.8665e-01	2e-01	5e-02	2e-15	4e-03
4:	9.9989e-01	9.9987e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6367e-01	5.6039e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9713e-01	9.9560e-01	8e-01	3e-01	1e-15	3e-02
3:	9.9996e-01	9.9995e-01	8e-03	3e-03	4e-16	3e-04
4:	1.0000e+00	1.0000e+00	8e-05	3e-05	2e-16	3e-06
5:	1.0000e+00	1.0000e+00	8e-07	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	3.6039e-01	3.5875e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9600e-01	9.9359e-01	1e+00	4e-01	5e-16	5e-02
3:	9.7978e-01	9.7656e-01	2e-01	7e-02	2e-15	6e-03
4:	9.9980e-01	9.9977e-01	3e-03	8e-04	4e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	8e-06	2e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6648e-01	3.6479e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9628e-01	9.9365e-01	2e+00	5e-01	2e-15	6e-02
3:	9.8602e-01	9.8322e-01	2e-01	6e-02	4e-15	5e-03
4:	9.9986e-01	9.9983e-01	2e-03	7e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	3e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5032e-01	4.4782e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9688e-01	9.9448e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9788e-01	9.9739e-01	4e-02	1e-02	3e-15	1e-03
4:	9.9998e-01	9.9997e-01	4e-04	1e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7169e-01	6.6858e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9669e-01	2e-01	6e-02	1e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1390e-01	6.1055e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9611e-01	5e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	2e-16	2e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6518e-01	4.6255e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9695e-01	9.9463e-01	2e+00	5e-01	2e-15	5e-02
3:	9.9870e-01	9.9841e-01	3e-02	1e-02	6e-16	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	4e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	3e-16	8e-08

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6: 1.0000e+00 1.0000e+00 3e-08 1e-08 6e-16 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 3.1489e-01 3.1368e-01 3e+00 1e+00 2e-16 1e-01
2: 9.9569e-01 9.9314e-01 1e+00 4e-01 5e-16 5e-02
3: 9.6513e-01 9.6009e-01 3e-01 1e-01 1e-15 8e-03
4: 9.9967e-01 9.9960e-01 4e-03 1e-03 4e-16 1e-04
5: 1.0000e+00 1.0000e+00 4e-05 1e-05 4e-16 1e-06
6: 1.0000e+00 1.0000e+00 4e-07 1e-07 3e-16 1e-08
7: 1.0000e+00 1.0000e+00 4e-09 1e-09 4e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.7795e-01 6.7490e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9699e-01 9.9675e-01 1e-01 4e-02 2e-15 4e-03
3: 9.9997e-01 9.9997e-01 1e-03 4e-04 2e-16 4e-05
4: 1.0000e+00 1.0000e+00 1e-05 4e-06 4e-16 4e-07
5: 1.0000e+00 1.0000e+00 1e-07 4e-08 2e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.1651e-01 6.1316e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9695e-01 9.9613e-01 4e-01 1e-01 2e-15 1e-02
3: 9.9997e-01 9.9996e-01 4e-03 1e-03 2e-16 1e-04
4: 1.0000e+00 1.0000e+00 4e-05 1e-05 2e-16 1e-06
5: 1.0000e+00 1.0000e+00 4e-07 1e-07 2e-16 1e-08
6: 1.0000e+00 1.0000e+00 4e-09 1e-09 2e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.0805e-01 4.0595e-01 4e+00 1e+00 2e-16 2e-01
2: 9.9673e-01 9.9406e-01 2e+00 6e-01 5e-16 6e-02
3: 9.9495e-01 9.9374e-01 1e-01 3e-02 1e-15 2e-03
4: 9.9995e-01 9.9994e-01 1e-03 3e-04 3e-16 2e-05
5: 1.0000e+00 1.0000e+00 1e-05 3e-06 3e-16 2e-07
6: 1.0000e+00 1.0000e+00 1e-07 3e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 4.6912e-01 4.6646e-01 5e+00 1e+00 3e-16 2e-01
2: 9.9698e-01 9.9466e-01 2e+00 5e-01 3e-15 5e-02
3: 9.9892e-01 9.9867e-01 3e-02 9e-03 2e-15 8e-04
4: 9.9999e-01 9.9999e-01 3e-04 9e-05 3e-16 8e-06
5: 1.0000e+00 1.0000e+00 3e-06 9e-07 5e-16 8e-08
6: 1.0000e+00 1.0000e+00 3e-08 9e-09 2e-16 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6504e-01	3.6337e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9629e-01	9.9363e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8627e-01	9.8344e-01	2e-01	6e-02	1e-15	5e-03
4:	9.9986e-01	9.9983e-01	2e-03	7e-04	5e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	3e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4872e-01	3.4721e-01	4e+00	1e+00	1e-16	1e-01
2:	9.9608e-01	9.9347e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8058e-01	9.7700e-01	3e-01	8e-02	3e-15	6e-03
4:	9.9981e-01	9.9977e-01	3e-03	9e-04	3e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9919e-01	3.9717e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9635e-01	9.9397e-01	1e+00	5e-01	1e-15	5e-02
3:	9.9008e-01	9.8817e-01	2e-01	5e-02	5e-15	4e-03
4:	9.9990e-01	9.9988e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7408e-01	5.7078e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9710e-01	9.9571e-01	7e-01	2e-01	6e-16	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	5e-16	2e-08
6:	1.0000e+00	1.0000e+00	7e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0295e-01	4.0090e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9647e-01	9.9401e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9185e-01	9.9016e-01	1e-01	4e-02	2e-15	3e-03
4:	9.9992e-01	9.9990e-01	1e-03	4e-04	4e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3086e-01	4.2854e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9665e-01	9.9429e-01	2e+00	5e-01	2e-15	6e-02

3:	9.9545e-01	9.9447e-01	8e-02	3e-02	5e-16	2e-03
4:	9.9995e-01	9.9994e-01	9e-04	3e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	9e-08	3e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7586e-01	3.7408e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9629e-01	9.9374e-01	2e+00	5e-01	1e-15	6e-02
3:	9.8711e-01	9.8460e-01	2e-01	6e-02	2e-15	5e-03
4:	9.9987e-01	9.9985e-01	2e-03	6e-04	4e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.4107e-01	3.3962e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9597e-01	9.9340e-01	2e+00	5e-01	6e-16	6e-02
3:	9.7694e-01	9.7299e-01	3e-01	9e-02	3e-15	7e-03
4:	9.9978e-01	9.9973e-01	3e-03	1e-03	3e-16	8e-05
5:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	1.0000e+00	1.0000e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4640e-01	4.4393e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9681e-01	9.9444e-01	2e+00	5e-01	4e-16	5e-02
3:	9.9736e-01	9.9677e-01	5e-02	2e-02	3e-15	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2538e-01	4.2312e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9683e-01	9.9423e-01	2e+00	5e-01	8e-16	6e-02
3:	9.9661e-01	9.9579e-01	7e-02	2e-02	2e-15	2e-03
4:	9.9997e-01	9.9996e-01	7e-04	2e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.9532e-01	2.9428e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9546e-01	9.9294e-01	1e+00	4e-01	6e-16	5e-02
3:	9.5260e-01	9.4695e-01	4e-01	1e-01	2e-15	9e-03
4:	9.9955e-01	9.9947e-01	5e-03	2e-03	4e-16	1e-04
5:	1.0000e+00	9.9999e-01	5e-05	2e-05	3e-16	1e-06

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6:  1.0000e+00  1.0000e+00  5e-07  2e-07  4e-16  1e-08
7:  1.0000e+00  1.0000e+00  5e-09  2e-09  4e-16  1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  6.2876e-01  6.2543e-01  5e+00  2e+00  2e-16  2e-01
2:  9.9692e-01  9.9625e-01  4e-01  1e-01  2e-15  1e-02
3:  9.9997e-01  9.9996e-01  4e-03  1e-03  5e-16  1e-04
4:  1.0000e+00  1.0000e+00  4e-05  1e-05  2e-16  1e-06
5:  1.0000e+00  1.0000e+00  4e-07  1e-07  2e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  8e+00  1e-16  1e+00
1:  3.7957e-01  3.7775e-01  4e+00  1e+00  2e-16  2e-01
2:  9.9632e-01  9.9378e-01  2e+00  5e-01  1e-15  6e-02
3:  9.8785e-01  9.8547e-01  2e-01  6e-02  1e-15  4e-03
4:  9.9988e-01  9.9985e-01  2e-03  6e-04  4e-16  5e-05
5:  1.0000e+00  1.0000e+00  2e-05  6e-06  3e-16  5e-07
6:  1.0000e+00  1.0000e+00  2e-07  6e-08  4e-16  5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  5.9502e-01  5.9166e-01  5e+00  2e+00  2e-16  2e-01
2:  9.9699e-01  9.9592e-01  6e-01  2e-01  2e-15  2e-02
3:  9.9997e-01  9.9996e-01  6e-03  2e-03  4e-16  2e-04
4:  1.0000e+00  1.0000e+00  6e-05  2e-05  5e-16  2e-06
5:  1.0000e+00  1.0000e+00  6e-07  2e-07  3e-16  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  8e+00  1e-16  1e+00
1:  4.1434e-01  4.1218e-01  4e+00  1e+00  1e-16  2e-01
2:  9.9667e-01  9.9412e-01  2e+00  5e-01  2e-15  6e-02
3:  9.9470e-01  9.9348e-01  1e-01  3e-02  2e-15  2e-03
4:  9.9995e-01  9.9993e-01  1e-03  3e-04  5e-16  3e-05
5:  1.0000e+00  1.0000e+00  1e-05  3e-06  3e-16  3e-07
6:  1.0000e+00  1.0000e+00  1e-07  3e-08  5e-16  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  8e+00  1e-16  1e+00
1:  4.1869e-01  4.1649e-01  4e+00  1e+00  2e-16  2e-01
2:  9.9667e-01  9.9416e-01  2e+00  5e-01  2e-15  6e-02
3:  9.9498e-01  9.9384e-01  1e-01  3e-02  7e-16  2e-03
4:  9.9995e-01  9.9994e-01  1e-03  3e-04  5e-16  2e-05
5:  1.0000e+00  1.0000e+00  1e-05  3e-06  4e-16  2e-07
6:  1.0000e+00  1.0000e+00  1e-07  3e-08  3e-16  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  2e+01  8e+00  1e-16  1e+00

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1:	3.2302e-01	3.2173e-01	3e+00	1e+00	1e-16	1e-01
2:	9.9570e-01	9.9322e-01	1e+00	4e-01	8e-16	5e-02
3:	9.6626e-01	9.6175e-01	3e-01	9e-02	3e-15	8e-03
4:	9.9968e-01	9.9962e-01	4e-03	1e-03	3e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1876e-01	4.1656e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9663e-01	9.9417e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9458e-01	9.9339e-01	1e-01	3e-02	2e-15	2e-03
4:	9.9995e-01	9.9993e-01	1e-03	3e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2715e+00	1.2694e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9171e+00	1.9165e+00	1e+00	4e-01	7e-16	4e-02
3:	1.9982e+00	1.9981e+00	3e-02	9e-03	3e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	3e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	3e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8273e-01	9.7951e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9182e+00	1.9163e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9909e+00	1.9902e+00	1e-01	3e-02	1e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2461e+00	1.2429e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9726e+00	1.9718e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	1e-15	2e-08
6:	2.0000e+00	2.0000e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3397e-01	9.3113e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9854e+00	1.9835e+00	1e+00	4e-01	2e-15	5e-02

3:	1.9903e+00	1.9895e+00	9e-02	3e-02	4e-15	2e-03
4:	1.9999e+00	1.9999e+00	9e-04	3e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	2.0000e+00	2.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.8303e-01	3.8159e-01	4e+00	1e+00	1e-16	1e-01
2:	1.3591e+00	1.3567e+00	9e-01	3e-01	1e-15	4e-02
3:	1.5315e+00	1.5304e+00	2e-01	6e-02	1e-15	6e-03
4:	1.5604e+00	1.5600e+00	4e-02	1e-02	3e-15	1e-03
5:	1.5685e+00	1.5684e+00	8e-03	3e-03	7e-16	2e-04
6:	1.5706e+00	1.5706e+00	5e-04	1e-04	4e-16	1e-05
7:	1.5707e+00	1.5707e+00	5e-06	1e-06	9e-16	1e-07
8:	1.5707e+00	1.5707e+00	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.4779e-01	7.4450e-01	5e+00	2e+00	3e-16	2e-01
2:	1.8786e+00	1.8765e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9453e+00	1.9432e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9967e+00	1.9966e+00	3e-02	9e-03	5e-16	8e-04
5:	2.0000e+00	2.0000e+00	3e-04	9e-05	1e-15	8e-06
6:	2.0000e+00	2.0000e+00	3e-06	9e-07	1e-15	8e-08
7:	2.0000e+00	2.0000e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.4090e-01	8.3829e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8675e+00	1.8655e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9963e+00	1.9950e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9994e+00	1.9993e+00	8e-03	2e-03	6e-15	2e-04
5:	2.0000e+00	2.0000e+00	8e-05	2e-05	1e-15	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	2e-07	1e-15	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0388e+00	1.0354e+00	5e+00	2e+00	1e-16	2e-01
2:	1.9114e+00	1.9095e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9925e+00	1.9921e+00	6e-02	2e-02	3e-15	2e-03
4:	1.9999e+00	1.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9505e-01	9.9169e-01	5e+00	2e+00	2e-16	2e-01



2:	1.8745e+00	1.8725e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9888e+00	1.9881e+00	1e-01	3e-02	1e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.9178e-01	7.8970e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9899e+00	1.9878e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9677e+00	1.9654e+00	2e-01	6e-02	3e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.4053e-01	9.3726e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9069e+00	1.9048e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9799e+00	1.9789e+00	2e-01	5e-02	2e-15	4e-03
4:	1.9998e+00	1.9998e+00	2e-03	5e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0494e+00	1.0461e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9124e+00	1.9110e+00	1e+00	4e-01	6e-16	4e-02
3:	1.9890e+00	1.9883e+00	1e-01	4e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6581e-01	6.6287e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7572e+00	1.7555e+00	8e-01	3e-01	9e-16	3e-02
3:	1.9864e+00	1.9857e+00	2e-01	7e-02	1e-15	7e-03
4:	1.9748e+00	1.9740e+00	1e-01	4e-02	2e-14	3e-03
5:	1.9997e+00	1.9997e+00	4e-03	1e-03	3e-15	1e-04
6:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-15	1e-06
7:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-15	1e-08
8:	2.0000e+00	2.0000e+00	4e-09	1e-09	5e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8917e-01	8.8581e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8756e+00	1.8734e+00	2e+00	6e-01	5e-16	6e-02

3:	1.9561e+00	1.9539e+00	4e-01	1e-01	2e-15	9e-03
4:	1.9995e+00	1.9995e+00	5e-03	1e-03	4e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	1e-05	4e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	1e-07	5e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0949e+00	1.0918e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8915e+00	1.8901e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9923e+00	1.9918e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	5e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.3746e-01	6.3504e-01	4e+00	1e+00	1e-16	2e-01
2:	1.7688e+00	1.7665e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9960e+00	1.9952e+00	3e-01	1e-01	6e-16	1e-02
4:	1.9664e+00	1.9649e+00	2e-01	5e-02	8e-15	4e-03
5:	1.9997e+00	1.9996e+00	2e-03	7e-04	5e-16	6e-05
6:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-15	6e-07
7:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3526e+00	1.3499e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9584e+00	1.9581e+00	5e-01	2e-01	2e-15	2e-02
3:	1.9995e+00	1.9995e+00	7e-03	2e-03	4e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1387e-01	9.1094e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9810e+00	1.9789e+00	1e+00	5e-01	3e-15	5e-02
3:	1.9870e+00	1.9858e+00	1e-01	4e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7393e-01	6.7095e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8814e+00	1.8795e+00	1e+00	4e-01	2e-15	4e-02
3:	1.8491e+00	1.8458e+00	5e-01	2e-01	1e-15	2e-02
4:	1.9985e+00	1.9984e+00	1e-02	4e-03	3e-16	4e-04

5:	2.0000e+00	2.0000e+00	1e-04	4e-05	8e-16	4e-06
6:	2.0000e+00	2.0000e+00	1e-06	4e-07	7e-16	4e-08
7:	2.0000e+00	2.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9137e-01	9.8808e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9274e+00	1.9256e+00	2e+00	5e-01	8e-16	5e-02
3:	1.9900e+00	1.9892e+00	1e-01	3e-02	3e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.9667e-01	8.9342e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9741e+00	1.9721e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9666e+00	1.9646e+00	3e-01	8e-02	1e-15	6e-03
4:	1.9997e+00	1.9996e+00	3e-03	1e-03	4e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7790e-01	5.7614e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7853e+00	1.7831e+00	9e-01	3e-01	9e-16	3e-02
3:	1.9937e+00	1.9925e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9827e+00	1.9817e+00	8e-02	2e-02	1e-14	2e-03
5:	1.9998e+00	1.9998e+00	9e-04	3e-04	9e-16	2e-05
6:	2.0000e+00	2.0000e+00	9e-06	3e-06	1e-15	2e-07
7:	2.0000e+00	2.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7908e-01	8.7592e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9102e+00	1.9082e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9673e+00	1.9653e+00	2e-01	8e-02	3e-15	6e-03
4:	1.9997e+00	1.9996e+00	3e-03	8e-04	2e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	8e-06	2e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1937e+00	1.1912e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9034e+00	1.9025e+00	1e+00	5e-01	1e-15	4e-02
3:	1.9953e+00	1.9951e+00	6e-02	2e-02	4e-15	2e-03
4:	2.0000e+00	2.0000e+00	6e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	2e-07

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6: 2.0000e+00 2.0000e+00 6e-08 2e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 8.5696e-01 8.5406e-01 5e+00 2e+00 2e-16 2e-01
2: 1.9032e+00 1.9008e+00 2e+00 5e-01 1e-15 6e-02
3: 1.9722e+00 1.9703e+00 2e-01 6e-02 2e-15 5e-03
4: 1.9997e+00 1.9997e+00 2e-03 7e-04 3e-16 5e-05
5: 2.0000e+00 2.0000e+00 2e-05 7e-06 3e-16 5e-07
6: 2.0000e+00 2.0000e+00 2e-07 7e-08 4e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 8.6813e-01 8.6478e-01 5e+00 2e+00 2e-16 2e-01
2: 1.9143e+00 1.9126e+00 1e+00 4e-01 6e-16 4e-02
3: 1.9421e+00 1.9397e+00 4e-01 1e-01 2e-15 9e-03
4: 1.9994e+00 1.9994e+00 5e-03 2e-03 4e-16 1e-04
5: 2.0000e+00 2.0000e+00 5e-05 2e-05 3e-16 1e-06
6: 2.0000e+00 2.0000e+00 5e-07 2e-07 4e-16 1e-08
7: 2.0000e+00 2.0000e+00 5e-09 2e-09 4e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 5.8136e-01 5.7950e-01 4e+00 1e+00 2e-16 1e-01
2: 1.7788e+00 1.7768e+00 8e-01 2e-01 1e-15 3e-02
3: 1.9848e+00 1.9840e+00 2e-01 6e-02 6e-16 7e-03
4: 1.9966e+00 1.9961e+00 4e-02 1e-02 2e-14 1e-03
5: 1.9999e+00 1.9999e+00 7e-04 2e-04 8e-15 2e-05
6: 2.0000e+00 2.0000e+00 7e-06 2e-06 5e-15 2e-07
7: 2.0000e+00 2.0000e+00 7e-08 2e-08 6e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0855e+00 1.0833e+00 5e+00 2e+00 2e-16 1e-01
2: 1.9108e+00 1.9098e+00 2e+00 5e-01 8e-16 4e-02
3: 1.9758e+00 1.9753e+00 2e-01 7e-02 3e-15 6e-03
4: 1.9998e+00 1.9997e+00 2e-03 8e-04 3e-16 6e-05
5: 2.0000e+00 2.0000e+00 2e-05 8e-06 2e-16 6e-07
6: 2.0000e+00 2.0000e+00 2e-07 8e-08 4e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.0650e-01 9.0389e-01 5e+00 1e+00 2e-16 2e-01
2: 1.9812e+00 1.9790e+00 2e+00 5e-01 9e-16 5e-02
3: 1.9906e+00 1.9900e+00 6e-02 2e-02 2e-15 2e-03
4: 1.9999e+00 1.9999e+00 7e-04 2e-04 3e-16 2e-05
5: 2.0000e+00 2.0000e+00 7e-06 2e-06 4e-16 2e-07
6: 2.0000e+00 2.0000e+00 7e-08 2e-08 3e-16 2e-09

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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1837e+00	1.1815e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9018e+00	1.9010e+00	2e+00	5e-01	1e-15	4e-02
3:	1.9931e+00	1.9929e+00	9e-02	3e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	9e-04	3e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	9e-06	3e-06	2e-16	2e-07
6:	2.0000e+00	2.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.4509e-01	9.4175e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9424e+00	1.9409e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9707e+00	1.9692e+00	2e-01	7e-02	1e-15	6e-03
4:	1.9997e+00	1.9997e+00	3e-03	8e-04	3e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	8e-06	2e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	8e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9956e-01	9.9622e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8843e+00	1.8824e+00	2e+00	6e-01	7e-16	5e-02
3:	1.9854e+00	1.9846e+00	1e-01	4e-02	6e-16	4e-03
4:	1.9999e+00	1.9998e+00	1e-03	5e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	1e-05	5e-06	5e-16	4e-07
6:	2.0000e+00	2.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.3166e-01	3.3036e-01	3e+00	1e+00	2e-16	1e-01
2:	1.1944e+00	1.1921e+00	8e-01	2e-01	1e-15	3e-02
3:	1.2875e+00	1.2862e+00	2e-01	7e-02	7e-16	7e-03
4:	1.3399e+00	1.3396e+00	4e-02	1e-02	5e-16	1e-03
5:	1.3452e+00	1.3451e+00	4e-03	1e-03	2e-15	1e-04
6:	1.3463e+00	1.3463e+00	5e-05	2e-05	3e-16	1e-06
7:	1.3463e+00	1.3463e+00	5e-07	2e-07	6e-16	1e-08
8:	1.3463e+00	1.3463e+00	5e-09	2e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.0873e-01	9.0546e-01	5e+00	2e+00	1e-16	2e-01
2:	1.9031e+00	1.9010e+00	1e+00	4e-01	4e-15	4e-02
3:	1.9312e+00	1.9295e+00	3e-01	1e-01	2e-15	9e-03
4:	1.9993e+00	1.9993e+00	5e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	1e-05	3e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	1e-07	5e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.0480e-01	8.0146e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8751e+00	1.8728e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9259e+00	1.9227e+00	5e-01	1e-01	3e-15	1e-02
4:	1.9992e+00	1.9992e+00	7e-03	2e-03	2e-16	2e-04
5:	2.0000e+00	2.0000e+00	7e-05	2e-05	4e-16	2e-06
6:	2.0000e+00	2.0000e+00	7e-07	2e-07	3e-16	2e-08
7:	2.0000e+00	2.0000e+00	7e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0875e+00	1.0844e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8931e+00	1.8917e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9922e+00	1.9917e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8450e-01	9.8146e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9658e+00	1.9639e+00	1e+00	4e-01	2e-15	5e-02
3:	1.9927e+00	1.9923e+00	6e-02	2e-02	4e-15	2e-03
4:	1.9999e+00	1.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.5049e-01	7.4725e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9746e+00	1.9728e+00	1e+00	3e-01	1e-15	3e-02
3:	1.8964e+00	1.8934e+00	5e-01	2e-01	2e-15	1e-02
4:	1.9989e+00	1.9988e+00	1e-02	3e-03	4e-16	3e-04
5:	2.0000e+00	2.0000e+00	1e-04	3e-05	9e-16	3e-06
6:	2.0000e+00	2.0000e+00	1e-06	3e-07	4e-16	3e-08
7:	2.0000e+00	2.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0598e+00	1.0565e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8966e+00	1.8950e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9667e+00	1.9660e+00	2e-01	5e-02	2e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2387e-01	8.2098e-01	5e+00	2e+00	1e-16	2e-01
2:	1.9540e+00	1.9522e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9544e+00	1.9520e+00	3e-01	8e-02	4e-15	7e-03
4:	1.9995e+00	1.9995e+00	3e-03	1e-03	5e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3234e+00	1.3207e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9445e+00	1.9440e+00	8e-01	2e-01	2e-15	2e-02
3:	1.9993e+00	1.9993e+00	1e-02	3e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	5e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.7761e-01	5.7589e-01	4e+00	1e+00	2e-16	1e-01
2:	1.7766e+00	1.7746e+00	7e-01	2e-01	7e-16	2e-02
3:	1.9599e+00	1.9593e+00	1e-01	4e-02	1e-15	5e-03
4:	1.9801e+00	1.9800e+00	7e-03	2e-03	2e-15	3e-04
5:	1.9807e+00	1.9807e+00	9e-05	3e-05	3e-14	3e-06
6:	1.9807e+00	1.9807e+00	9e-07	3e-07	3e-14	3e-08
7:	1.9807e+00	1.9807e+00	9e-09	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	8.3006e-01	8.2777e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9643e+00	1.9620e+00	1e+00	5e-01	8e-16	5e-02
3:	1.9705e+00	1.9688e+00	2e-01	5e-02	3e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	6e-04	4e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	7e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.0607e-01	9.0300e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9206e+00	1.9184e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9786e+00	1.9773e+00	1e-01	5e-02	1e-15	4e-03
4:	1.9998e+00	1.9998e+00	1e-03	5e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	1e-05	5e-06	3e-16	4e-07
6:	2.0000e+00	2.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	7.8193e-01	7.7870e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7984e+00	1.7966e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9892e+00	1.9882e+00	4e-01	1e-01	7e-16	1e-02
4:	1.9908e+00	1.9902e+00	8e-02	3e-02	4e-15	2e-03
5:	1.9999e+00	1.9999e+00	8e-04	3e-04	1e-15	2e-05
6:	2.0000e+00	2.0000e+00	8e-06	3e-06	1e-15	2e-07
7:	2.0000e+00	2.0000e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.3546e-01	8.3284e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9663e+00	1.9640e+00	1e+00	5e-01	8e-16	5e-02
3:	1.9708e+00	1.9687e+00	2e-01	6e-02	2e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	7e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0157e+00	1.0124e+00	5e+00	2e+00	1e-16	2e-01
2:	1.9875e+00	1.9860e+00	1e+00	4e-01	3e-15	3e-02
3:	1.9864e+00	1.9856e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0394e+00	1.0360e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8862e+00	1.8844e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9955e+00	1.9951e+00	7e-02	2e-02	8e-16	2e-03
4:	2.0000e+00	2.0000e+00	7e-04	2e-04	5e-16	2e-05
5:	2.0000e+00	2.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	2.0000e+00	2.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.4117e-01	7.3906e-01	4e+00	1e+00	3e-16	2e-01
2:	1.9348e+00	1.9327e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9493e+00	1.9469e+00	3e-01	9e-02	4e-15	8e-03
4:	1.9995e+00	1.9995e+00	3e-03	1e-03	5e-16	1e-04
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	7e-16	1e-06
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3173e-01	7.2890e-01	5e+00	1e+00	1e-16	2e-01
2:	1.9630e+00	1.9610e+00	1e+00	3e-01	1e-15	4e-02



3:	1.9107e+00	1.9071e+00	4e-01	1e-01	5e-15	1e-02
4:	1.9965e+00	1.9963e+00	2e-02	7e-03	6e-16	6e-04
5:	2.0000e+00	2.0000e+00	2e-04	7e-05	1e-15	6e-06
6:	2.0000e+00	2.0000e+00	2e-06	7e-07	8e-16	6e-08
7:	2.0000e+00	2.0000e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.3519e-01	7.3207e-01	5e+00	2e+00	3e-16	2e-01
2:	1.7369e+00	1.7352e+00	1e+00	3e-01	2e-15	3e-02
3:	2.0280e+00	2.0275e+00	2e-01	6e-02	7e-16	6e-03
4:	2.0569e+00	2.0566e+00	5e-02	2e-02	4e-15	1e-03
5:	2.0679e+00	2.0679e+00	5e-03	1e-03	4e-15	1e-04
6:	2.0692e+00	2.0692e+00	5e-05	1e-05	7e-16	1e-06
7:	2.0692e+00	2.0692e+00	5e-07	1e-07	1e-15	1e-08
8:	2.0692e+00	2.0692e+00	5e-09	1e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3511e+00	1.3479e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7930e+00	2.7907e+00	2e+00	5e-01	1e-15	6e-02
3:	2.9421e+00	2.9395e+00	3e-01	1e-01	4e-15	8e-03
4:	2.9994e+00	2.9994e+00	4e-03	1e-03	3e-16	9e-05
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	9e-07
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	5e-16	9e-09
7:	3.0000e+00	3.0000e+00	4e-09	1e-09	4e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9340e+00	1.9315e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8738e+00	2.8732e+00	1e+00	4e-01	8e-16	3e-02
3:	2.9973e+00	2.9972e+00	3e-02	9e-03	1e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	3e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1379e+00	1.1347e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6879e+00	2.6861e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9218e+00	2.9210e+00	3e-01	9e-02	8e-16	8e-03
4:	2.9721e+00	2.9719e+00	5e-02	2e-02	1e-15	2e-03
5:	2.9784e+00	2.9784e+00	3e-03	1e-03	1e-14	9e-05
6:	2.9790e+00	2.9790e+00	3e-05	1e-05	2e-15	9e-07
7:	2.9790e+00	2.9790e+00	3e-07	1e-07	3e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.3395e+00	1.3362e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8311e+00	2.8297e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9846e+00	2.9838e+00	3e-01	9e-02	1e-15	8e-03
4:	2.9994e+00	2.9994e+00	6e-03	2e-03	4e-15	1e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	1e-15	1e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2243e+00	1.2210e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7504e+00	2.7489e+00	9e-01	3e-01	2e-15	3e-02
3:	2.9734e+00	2.9726e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9831e+00	2.9827e+00	8e-02	3e-02	9e-15	2e-03
5:	2.9998e+00	2.9998e+00	9e-04	3e-04	9e-16	2e-05
6:	3.0000e+00	3.0000e+00	9e-06	3e-06	1e-15	2e-07
7:	3.0000e+00	3.0000e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7645e-01	8.7371e-01	5e+00	1e+00	2e-16	2e-01
2:	2.2048e+00	2.2032e+00	1e+00	3e-01	1e-15	3e-02
3:	2.4855e+00	2.4851e+00	2e-01	6e-02	2e-15	6e-03
4:	2.5227e+00	2.5226e+00	3e-02	8e-03	2e-15	8e-04
5:	2.5274e+00	2.5274e+00	3e-03	1e-03	4e-15	1e-04
6:	2.5278e+00	2.5278e+00	4e-05	1e-05	2e-14	1e-06
7:	2.5278e+00	2.5278e+00	4e-07	1e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2597e-01	8.2314e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9419e+00	1.9400e+00	1e+00	4e-01	4e-16	4e-02
3:	2.2292e+00	2.2285e+00	3e-01	9e-02	2e-15	9e-03
4:	2.2953e+00	2.2950e+00	9e-02	3e-02	2e-15	3e-03
5:	2.3136e+00	2.3135e+00	1e-02	3e-03	2e-15	3e-04
6:	2.3156e+00	2.3156e+00	2e-03	7e-04	2e-14	7e-05
7:	2.3158e+00	2.3158e+00	3e-04	1e-04	2e-13	9e-06
8:	2.3159e+00	2.3159e+00	3e-05	1e-05	2e-14	9e-07
9:	2.3159e+00	2.3159e+00	3e-07	1e-07	4e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.1365e-01	6.1123e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7966e+00	1.7946e+00	9e-01	3e-01	1e-15	3e-02
3:	1.9744e+00	1.9738e+00	2e-01	6e-02	9e-16	6e-03
4:	2.0105e+00	2.0101e+00	7e-02	2e-02	8e-16	2e-03
5:	2.0186e+00	2.0185e+00	9e-03	3e-03	3e-15	2e-04
6:	2.0207e+00	2.0207e+00	9e-05	3e-05	6e-16	3e-06
7:	2.0207e+00	2.0207e+00	9e-07	3e-07	7e-16	3e-08

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8: 2.0207e+00 2.0207e+00 9e-09 3e-09 6e-16 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.5327e+00 1.5295e+00 6e+00 2e+00 2e-16 2e-01
2: 2.8113e+00 2.8095e+00 2e+00 6e-01 2e-15 5e-02
3: 2.9852e+00 2.9847e+00 1e-01 3e-02 3e-15 3e-03
4: 2.9999e+00 2.9998e+00 1e-03 3e-04 3e-16 3e-05
5: 3.0000e+00 3.0000e+00 1e-05 3e-06 3e-16 3e-07
6: 3.0000e+00 3.0000e+00 1e-07 3e-08 2e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 7.2671e-01 7.2456e-01 4e+00 1e+00 2e-16 2e-01
2: 1.9642e+00 1.9620e+00 1e+00 4e-01 9e-16 4e-02
3: 2.1110e+00 2.1096e+00 2e-01 7e-02 1e-15 7e-03
4: 2.1668e+00 2.1665e+00 5e-02 1e-02 1e-15 1e-03
5: 2.1756e+00 2.1756e+00 6e-03 2e-03 2e-15 2e-04
6: 2.1770e+00 2.1770e+00 8e-05 3e-05 3e-15 2e-06
7: 2.1770e+00 2.1770e+00 8e-07 3e-07 3e-15 2e-08
8: 2.1770e+00 2.1770e+00 8e-09 3e-09 4e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.3607e+00 1.3577e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8006e+00 2.7992e+00 2e+00 5e-01 2e-15 4e-02
3: 2.9751e+00 2.9745e+00 4e-01 1e-01 3e-15 1e-02
4: 2.9995e+00 2.9995e+00 5e-03 2e-03 3e-15 1e-04
5: 3.0000e+00 3.0000e+00 5e-05 2e-05 1e-15 1e-06
6: 3.0000e+00 3.0000e+00 5e-07 2e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.2093e+00 1.2059e+00 5e+00 2e+00 3e-16 2e-01
2: 2.8301e+00 2.8278e+00 2e+00 5e-01 1e-15 5e-02
3: 2.9121e+00 2.9099e+00 4e-01 1e-01 2e-15 9e-03
4: 2.9991e+00 2.9991e+00 4e-03 1e-03 5e-16 1e-04
5: 3.0000e+00 3.0000e+00 4e-05 1e-05 3e-16 1e-06
6: 3.0000e+00 3.0000e+00 4e-07 1e-07 4e-16 1e-08
7: 3.0000e+00 3.0000e+00 4e-09 1e-09 4e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3819e+00 1.3794e+00 6e+00 2e+00 2e-16 2e-01
2: 2.7412e+00 2.7401e+00 1e+00 4e-01 2e-15 3e-02
3: 2.9651e+00 2.9647e+00 4e-01 1e-01 7e-16 1e-02
4: 2.9715e+00 2.9711e+00 1e-01 4e-02 7e-15 3e-03
5: 2.9997e+00 2.9997e+00 2e-03 6e-04 5e-16 5e-05

```

6:	3.0000e+00	3.0000e+00	2e-05	6e-06	2e-15	5e-07
7:	3.0000e+00	3.0000e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1899e-01	9.1599e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2371e+00	2.2349e+00	1e+00	4e-01	1e-15	4e-02
3:	2.5264e+00	2.5256e+00	3e-01	9e-02	7e-16	9e-03
4:	2.5671e+00	2.5668e+00	6e-02	2e-02	4e-15	2e-03
5:	2.5770e+00	2.5770e+00	4e-03	1e-03	1e-15	1e-04
6:	2.5778e+00	2.5778e+00	4e-05	1e-05	2e-15	1e-06
7:	2.5778e+00	2.5778e+00	4e-07	1e-07	1e-15	1e-08
8:	2.5778e+00	2.5778e+00	4e-09	1e-09	2e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3596e+00	1.3573e+00	6e+00	2e+00	2e-16	1e-01
2:	2.6172e+00	2.6164e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9794e+00	2.9792e+00	3e-01	8e-02	1e-15	7e-03
4:	2.9813e+00	2.9811e+00	1e-01	3e-02	9e-15	2e-03
5:	2.9997e+00	2.9997e+00	2e-03	5e-04	2e-15	4e-05
6:	3.0000e+00	3.0000e+00	2e-05	5e-06	5e-15	4e-07
7:	3.0000e+00	3.0000e+00	2e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.9675e-01	6.9409e-01	5e+00	1e+00	2e-16	2e-01
2:	1.6634e+00	1.6613e+00	1e+00	4e-01	4e-16	4e-02
3:	1.9796e+00	1.9790e+00	2e-01	5e-02	4e-16	5e-03
4:	2.0099e+00	2.0096e+00	4e-02	1e-02	2e-15	1e-03
5:	2.0148e+00	2.0148e+00	5e-03	2e-03	5e-15	1e-04
6:	2.0160e+00	2.0159e+00	2e-04	6e-05	2e-15	5e-06
7:	2.0160e+00	2.0160e+00	2e-06	6e-07	2e-15	5e-08
8:	2.0160e+00	2.0160e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2621e+00	1.2596e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8522e+00	1.8508e+00	2e+00	6e-01	4e-15	5e-02
3:	2.3313e+00	2.3306e+00	7e-01	2e-01	2e-15	2e-02
4:	2.4314e+00	2.4309e+00	2e-01	7e-02	2e-15	5e-03
5:	2.4855e+00	2.4854e+00	4e-02	1e-02	5e-16	1e-03
6:	2.4943e+00	2.4943e+00	8e-03	3e-03	7e-16	2e-04
7:	2.4960e+00	2.4960e+00	1e-04	3e-05	2e-15	2e-06
8:	2.4960e+00	2.4960e+00	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.4955e+00	1.4923e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6741e+00	2.6730e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9704e+00	2.9701e+00	2e-01	7e-02	1e-15	7e-03
4:	2.9819e+00	2.9816e+00	9e-02	3e-02	9e-15	2e-03
5:	2.9998e+00	2.9998e+00	1e-03	4e-04	1e-15	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	2e-15	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3314e+00	1.3281e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6808e+00	2.6785e+00	2e+00	6e-01	1e-15	6e-02
3:	2.9520e+00	2.9508e+00	6e-01	2e-01	1e-15	2e-02
4:	2.9884e+00	2.9879e+00	9e-02	3e-02	2e-15	2e-03
5:	2.9999e+00	2.9999e+00	9e-04	3e-04	6e-16	2e-05
6:	3.0000e+00	3.0000e+00	9e-06	3e-06	4e-16	2e-07
7:	3.0000e+00	3.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4036e+00	1.4011e+00	6e+00	2e+00	2e-16	2e-01
2:	2.5433e+00	2.5424e+00	1e+00	3e-01	2e-15	3e-02
3:	2.8014e+00	2.8012e+00	2e-01	6e-02	6e-16	5e-03
4:	2.8526e+00	2.8526e+00	3e-02	9e-03	2e-15	8e-04
5:	2.8591e+00	2.8591e+00	4e-03	1e-03	2e-15	9e-05
6:	2.8601e+00	2.8601e+00	4e-05	1e-05	1e-15	1e-06
7:	2.8601e+00	2.8601e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.9169e-01	9.8925e-01	4e+00	1e+00	2e-16	2e-01
2:	2.2323e+00	2.2301e+00	1e+00	4e-01	8e-16	5e-02
3:	2.4449e+00	2.4437e+00	3e-01	9e-02	2e-15	9e-03
4:	2.5250e+00	2.5248e+00	3e-02	1e-02	8e-16	1e-03
5:	2.5338e+00	2.5337e+00	5e-03	2e-03	1e-15	2e-04
6:	2.5348e+00	2.5348e+00	7e-05	2e-05	3e-15	2e-06
7:	2.5349e+00	2.5349e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7868e+00	1.7840e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9372e+00	2.9363e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9991e+00	2.9991e+00	2e-02	5e-03	8e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	5e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	8e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1821e+00	1.1787e+00	5e+00	2e+00	3e-16	2e-01
2:	2.5368e+00	2.5351e+00	1e+00	4e-01	9e-16	4e-02
3:	2.6756e+00	2.6751e+00	3e-01	9e-02	1e-15	8e-03
4:	2.7638e+00	2.7636e+00	5e-02	2e-02	1e-15	2e-03
5:	2.7691e+00	2.7690e+00	7e-03	2e-03	6e-15	2e-04
6:	2.7707e+00	2.7707e+00	1e-03	3e-04	1e-15	3e-05
7:	2.7710e+00	2.7710e+00	3e-04	1e-04	8e-16	8e-06
8:	2.7710e+00	2.7710e+00	5e-05	2e-05	2e-15	1e-06
9:	2.7711e+00	2.7711e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5403e+00	1.5376e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8283e+00	2.8274e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9535e+00	2.9528e+00	3e-01	9e-02	1e-15	7e-03
4:	2.9995e+00	2.9995e+00	3e-03	1e-03	4e-16	9e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	4e-16	9e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0685e+00	1.0659e+00	5e+00	1e+00	2e-16	2e-01
2:	2.8166e+00	2.8146e+00	1e+00	3e-01	2e-15	4e-02
3:	2.9768e+00	2.9756e+00	3e-01	9e-02	3e-15	9e-03
4:	2.9873e+00	2.9867e+00	6e-02	2e-02	1e-14	2e-03
5:	2.9999e+00	2.9999e+00	8e-04	2e-04	2e-15	2e-05
6:	3.0000e+00	3.0000e+00	8e-06	2e-06	2e-15	2e-07
7:	3.0000e+00	3.0000e+00	8e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4459e+00	1.4427e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8868e+00	2.8856e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9823e+00	2.9819e+00	2e-01	5e-02	3e-15	5e-03
4:	2.9998e+00	2.9998e+00	2e-03	6e-04	1e-15	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	1e-15	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	7.8336e-01	7.8120e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0869e+00	2.0846e+00	1e+00	4e-01	7e-16	4e-02
3:	2.2816e+00	2.2801e+00	3e-01	8e-02	1e-15	8e-03
4:	2.3415e+00	2.3413e+00	4e-02	1e-02	8e-16	1e-03
5:	2.3497e+00	2.3497e+00	4e-03	1e-03	4e-15	1e-04
6:	2.3509e+00	2.3509e+00	5e-05	1e-05	4e-16	1e-06
7:	2.3509e+00	2.3509e+00	5e-07	1e-07	6e-16	1e-08

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8: 2.3509e+00 2.3509e+00 5e-09 1e-09 3e-15 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.3635e+00 1.3606e+00 5e+00 1e+00 2e-16 2e-01
2: 2.8072e+00 2.8054e+00 1e+00 4e-01 2e-15 4e-02
3: 2.9732e+00 2.9723e+00 4e-01 1e-01 3e-15 1e-02
4: 2.9972e+00 2.9970e+00 2e-02 6e-03 6e-15 5e-04
5: 3.0000e+00 3.0000e+00 2e-04 6e-05 7e-16 5e-06
6: 3.0000e+00 3.0000e+00 2e-06 6e-07 7e-16 5e-08
7: 3.0000e+00 3.0000e+00 2e-08 6e-09 6e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.8700e+00 1.8682e+00 6e+00 2e+00 3e-16 2e-01
2: 2.8526e+00 2.8520e+00 2e+00 5e-01 1e-15 4e-02
3: 2.9981e+00 2.9981e+00 2e-02 7e-03 7e-16 6e-04
4: 3.0000e+00 3.0000e+00 2e-04 7e-05 4e-16 6e-06
5: 3.0000e+00 3.0000e+00 2e-06 7e-07 6e-16 6e-08
6: 3.0000e+00 3.0000e+00 2e-08 7e-09 1e-15 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.1232e+00 1.1204e+00 5e+00 1e+00 2e-16 2e-01
2: 2.6123e+00 2.6102e+00 1e+00 4e-01 7e-16 5e-02
3: 2.8972e+00 2.8962e+00 4e-01 1e-01 1e-15 1e-02
4: 2.9831e+00 2.9829e+00 5e-02 2e-02 1e-15 2e-03
5: 2.9960e+00 2.9960e+00 5e-03 2e-03 1e-14 1e-04
6: 2.9969e+00 2.9969e+00 1e-04 4e-05 6e-14 4e-06
7: 2.9970e+00 2.9970e+00 1e-06 4e-07 4e-14 4e-08
8: 2.9970e+00 2.9970e+00 1e-08 4e-09 3e-14 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.3443e+00 1.3410e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8424e+00 2.8403e+00 2e+00 5e-01 9e-16 5e-02
3: 2.9300e+00 2.9287e+00 3e-01 1e-01 3e-15 1e-02
4: 2.9992e+00 2.9992e+00 5e-03 1e-03 6e-16 1e-04
5: 3.0000e+00 3.0000e+00 5e-05 1e-05 4e-16 1e-06
6: 3.0000e+00 3.0000e+00 5e-07 1e-07 8e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.1333e+00 1.1302e+00 5e+00 2e+00 2e-16 2e-01
2: 2.4925e+00 2.4910e+00 1e+00 4e-01 2e-15 4e-02
3: 2.7896e+00 2.7889e+00 3e-01 9e-02 2e-15 9e-03
4: 2.8768e+00 2.8766e+00 6e-02 2e-02 3e-15 2e-03
5: 2.8848e+00 2.8847e+00 4e-03 1e-03 7e-15 1e-04

```

6:	2.8857e+00	2.8857e+00	5e-05	2e-05	3e-15	1e-06
7:	2.8858e+00	2.8858e+00	5e-07	2e-07	3e-15	1e-08
8:	2.8858e+00	2.8858e+00	5e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4995e+00	1.4964e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9140e+00	2.9123e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9781e+00	2.9776e+00	1e-01	4e-02	4e-15	4e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	6e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	6e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7988e-01	8.7662e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9807e+00	1.9788e+00	1e+00	4e-01	7e-16	4e-02
3:	2.2564e+00	2.2558e+00	2e-01	7e-02	6e-16	6e-03
4:	2.2936e+00	2.2935e+00	4e-02	1e-02	1e-15	1e-03
5:	2.3004e+00	2.3003e+00	7e-03	2e-03	3e-15	2e-04
6:	2.3019e+00	2.3019e+00	1e-03	4e-04	9e-16	4e-05
7:	2.3022e+00	2.3022e+00	4e-05	1e-05	2e-15	1e-06
8:	2.3022e+00	2.3022e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2058e+00	1.2024e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8805e+00	2.8787e+00	1e+00	4e-01	8e-16	4e-02
3:	2.9428e+00	2.9413e+00	3e-01	9e-02	3e-15	8e-03
4:	2.9994e+00	2.9994e+00	4e-03	1e-03	6e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	1e-15	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	9e-16	1e-08
7:	3.0000e+00	3.0000e+00	4e-09	1e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6323e+00	1.6297e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8338e+00	2.8331e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9537e+00	2.9533e+00	2e-01	6e-02	7e-15	5e-03
4:	2.9995e+00	2.9995e+00	2e-03	6e-04	5e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0741e+00	1.0717e+00	4e+00	1e+00	2e-16	2e-01
2:	2.6542e+00	2.6520e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9342e+00	2.9331e+00	3e-01	1e-01	1e-15	1e-02



4:	2.9942e+00	2.9938e+00	7e-02	2e-02	3e-15	2e-03
5:	2.9984e+00	2.9983e+00	9e-03	3e-03	3e-14	2e-04
6:	3.0000e+00	3.0000e+00	1e-04	3e-05	5e-15	2e-06
7:	3.0000e+00	3.0000e+00	1e-06	3e-07	5e-15	2e-08
8:	3.0000e+00	3.0000e+00	1e-08	3e-09	7e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0666e+00	1.0638e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6447e+00	2.6427e+00	1e+00	4e-01	2e-15	4e-02
3:	2.7710e+00	2.7702e+00	3e-01	8e-02	1e-15	8e-03
4:	2.8283e+00	2.8280e+00	9e-02	3e-02	1e-15	3e-03
5:	2.8454e+00	2.8454e+00	1e-02	4e-03	1e-15	4e-04
6:	2.8473e+00	2.8473e+00	1e-04	4e-05	3e-15	4e-06
7:	2.8473e+00	2.8473e+00	1e-06	4e-07	4e-15	4e-08
8:	2.8473e+00	2.8473e+00	1e-08	4e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1635e+00	1.1602e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5522e+00	2.5508e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9079e+00	2.9074e+00	3e-01	9e-02	1e-15	8e-03
4:	2.9664e+00	2.9662e+00	6e-02	2e-02	5e-15	2e-03
5:	2.9812e+00	2.9811e+00	7e-03	2e-03	2e-14	2e-04
6:	2.9825e+00	2.9825e+00	6e-04	2e-04	3e-14	2e-05
7:	2.9826e+00	2.9826e+00	7e-06	2e-06	8e-15	2e-07
8:	2.9826e+00	2.9826e+00	7e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4249e+00	1.4216e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9487e+00	2.9471e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9508e+00	2.9495e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9995e+00	2.9995e+00	4e-03	1e-03	8e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	9e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1990e+00	1.1966e+00	4e+00	1e+00	2e-16	2e-01
2:	2.7957e+00	2.7937e+00	1e+00	4e-01	3e-15	5e-02
3:	2.9713e+00	2.9701e+00	4e-01	1e-01	3e-15	1e-02
4:	2.9956e+00	2.9954e+00	2e-02	7e-03	6e-15	6e-04
5:	3.0000e+00	3.0000e+00	2e-04	7e-05	8e-16	6e-06
6:	3.0000e+00	3.0000e+00	2e-06	7e-07	1e-15	6e-08
7:	3.0000e+00	3.0000e+00	2e-08	7e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0419e+00	1.0388e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4597e+00	2.4578e+00	1e+00	4e-01	2e-15	4e-02
3:	2.7503e+00	2.7492e+00	3e-01	9e-02	1e-15	9e-03
4:	2.8180e+00	2.8177e+00	6e-02	2e-02	1e-15	2e-03
5:	2.8300e+00	2.8300e+00	1e-03	4e-04	1e-15	4e-05
6:	2.8303e+00	2.8303e+00	1e-05	4e-06	1e-15	4e-07
7:	2.8303e+00	2.8303e+00	1e-07	4e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0510e+00	1.0477e+00	5e+00	2e+00	3e-16	2e-01
2:	2.5013e+00	2.4997e+00	1e+00	3e-01	8e-16	3e-02
3:	2.6920e+00	2.6912e+00	3e-01	1e-01	7e-16	1e-02
4:	2.7737e+00	2.7734e+00	5e-02	2e-02	2e-15	2e-03
5:	2.7875e+00	2.7875e+00	8e-04	3e-04	7e-16	2e-05
6:	2.7877e+00	2.7877e+00	8e-06	3e-06	1e-15	2e-07
7:	2.7877e+00	2.7877e+00	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6596e-01	6.6316e-01	5e+00	1e+00	3e-16	2e-01
2:	1.9291e+00	1.9270e+00	1e+00	3e-01	6e-16	3e-02
3:	2.2853e+00	2.2848e+00	2e-01	6e-02	9e-16	6e-03
4:	2.3367e+00	2.3366e+00	4e-02	1e-02	3e-15	1e-03
5:	2.3389e+00	2.3388e+00	1e-02	3e-03	3e-14	3e-04
6:	2.3417e+00	2.3417e+00	1e-04	4e-05	4e-15	3e-06
7:	2.3418e+00	2.3418e+00	1e-06	4e-07	4e-15	3e-08
8:	2.3418e+00	2.3418e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3362e+00	1.3334e+00	5e+00	2e+00	3e-16	1e-01
2:	2.8892e+00	2.8880e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9255e+00	2.9244e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9992e+00	2.9992e+00	6e-03	2e-03	5e-16	1e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	6e-16	1e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9412e+00	1.9405e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9257e+00	2.9256e+00	1e+00	3e-01	7e-16	3e-02
3:	2.9978e+00	2.9978e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	9e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	5e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3280e+00	1.3248e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8172e+00	2.8152e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9892e+00	2.9881e+00	2e-01	7e-02	5e-15	6e-03
4:	2.9999e+00	2.9998e+00	2e-03	7e-04	2e-15	7e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	2e-15	7e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3871e+00	1.3838e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8897e+00	2.8881e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9596e+00	2.9584e+00	2e-01	6e-02	2e-15	5e-03
4:	2.9996e+00	2.9996e+00	2e-03	7e-04	6e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8225e+00	1.8199e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8724e+00	2.8716e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9789e+00	2.9787e+00	1e-01	4e-02	3e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	5e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5638e+00	1.5609e+00	6e+00	2e+00	3e-16	2e-01
2:	3.1138e+00	3.1124e+00	1e+00	5e-01	2e-15	4e-02
3:	3.4414e+00	3.4406e+00	4e-01	1e-01	1e-15	1e-02
4:	3.5016e+00	3.5013e+00	1e-01	4e-02	3e-15	3e-03
5:	3.5268e+00	3.5267e+00	5e-02	2e-02	1e-15	1e-03
6:	3.5359e+00	3.5359e+00	2e-03	7e-04	3e-15	5e-05
7:	3.5364e+00	3.5364e+00	2e-05	7e-06	3e-15	6e-07
8:	3.5364e+00	3.5364e+00	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8852e+00	1.8821e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3704e+00	3.3692e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7930e+00	3.7927e+00	3e-01	9e-02	2e-15	8e-03
4:	3.8871e+00	3.8870e+00	7e-02	2e-02	1e-14	2e-03
5:	3.8926e+00	3.8925e+00	3e-02	9e-03	1e-14	8e-04
6:	3.9001e+00	3.9000e+00	6e-03	2e-03	3e-15	2e-04
7:	3.9015e+00	3.9015e+00	7e-05	2e-05	6e-15	2e-06
8:	3.9015e+00	3.9015e+00	7e-07	2e-07	5e-15	2e-08

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9: 3.9015e+00 3.9015e+00 7e-09 2e-09 4e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.6054e+00 1.6022e+00 6e+00 2e+00 3e-16 2e-01
2: 3.1500e+00 3.1488e+00 1e+00 4e-01 2e-15 4e-02
3: 3.5036e+00 3.5031e+00 3e-01 1e-01 9e-16 9e-03
4: 3.6203e+00 3.6203e+00 3e-02 1e-02 2e-15 1e-03
5: 3.6267e+00 3.6267e+00 9e-04 3e-04 1e-14 2e-05
6: 3.6269e+00 3.6269e+00 9e-06 3e-06 7e-15 2e-07
7: 3.6269e+00 3.6269e+00 9e-08 3e-08 1e-14 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.8572e+00 1.8540e+00 6e+00 2e+00 2e-16 2e-01
2: 3.7150e+00 3.7133e+00 2e+00 5e-01 3e-15 4e-02
3: 3.9473e+00 3.9462e+00 2e-01 7e-02 3e-15 6e-03
4: 3.9995e+00 3.9994e+00 3e-03 8e-04 4e-16 7e-05
5: 4.0000e+00 4.0000e+00 3e-05 8e-06 6e-16 7e-07
6: 4.0000e+00 4.0000e+00 3e-07 8e-08 5e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.0514e+00 1.0481e+00 5e+00 2e+00 2e-16 2e-01
2: 2.3680e+00 2.3664e+00 1e+00 4e-01 3e-15 4e-02
3: 2.5445e+00 2.5439e+00 2e-01 7e-02 1e-15 7e-03
4: 2.5959e+00 2.5958e+00 6e-02 2e-02 8e-16 2e-03
5: 2.6111e+00 2.6111e+00 1e-02 5e-03 6e-16 4e-04
6: 2.6141e+00 2.6141e+00 1e-03 4e-04 3e-15 3e-05
7: 2.6144e+00 2.6144e+00 2e-05 6e-06 5e-15 5e-07
8: 2.6144e+00 2.6144e+00 2e-07 6e-08 7e-15 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.3826e+00 1.3792e+00 5e+00 2e+00 2e-16 2e-01
2: 3.1601e+00 3.1583e+00 1e+00 4e-01 1e-15 4e-02
3: 3.3809e+00 3.3803e+00 2e-01 7e-02 4e-15 7e-03
4: 3.4253e+00 3.4250e+00 7e-02 2e-02 2e-15 2e-03
5: 3.4360e+00 3.4360e+00 2e-03 6e-04 3e-15 5e-05
6: 3.4364e+00 3.4364e+00 2e-05 6e-06 2e-15 5e-07
7: 3.4364e+00 3.4364e+00 2e-07 6e-08 2e-15 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.5935e+00 1.5901e+00 5e+00 2e+00 2e-16 2e-01
2: 3.0849e+00 3.0836e+00 1e+00 3e-01 2e-15 3e-02
3: 3.3496e+00 3.3492e+00 2e-01 5e-02 3e-15 5e-03
4: 3.3863e+00 3.3862e+00 3e-02 9e-03 3e-15 8e-04

```

5:	3.3921e+00	3.3921e+00	4e-04	1e-04	3e-15	1e-05
6:	3.3922e+00	3.3922e+00	4e-06	1e-06	2e-15	1e-07
7:	3.3922e+00	3.3922e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5620e+00	1.5587e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5034e+00	3.5018e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7286e+00	3.7278e+00	3e-01	9e-02	2e-15	9e-03
4:	3.7902e+00	3.7901e+00	3e-02	1e-02	2e-15	9e-04
5:	3.7965e+00	3.7965e+00	1e-03	4e-04	4e-15	4e-05
6:	3.7967e+00	3.7967e+00	1e-05	4e-06	6e-15	4e-07
7:	3.7967e+00	3.7967e+00	1e-07	4e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3777e+00	1.3745e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5844e+00	2.5829e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9687e+00	2.9684e+00	3e-01	8e-02	3e-15	8e-03
4:	3.0193e+00	3.0192e+00	5e-02	1e-02	2e-15	1e-03
5:	3.0277e+00	3.0277e+00	8e-03	3e-03	7e-15	2e-04
6:	3.0299e+00	3.0299e+00	8e-05	3e-05	8e-16	2e-06
7:	3.0299e+00	3.0299e+00	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9425e+00	1.9398e+00	6e+00	2e+00	3e-16	2e-01
2:	3.3828e+00	3.3817e+00	1e+00	4e-01	2e-15	4e-02
3:	3.7224e+00	3.7221e+00	4e-01	1e-01	1e-15	1e-02
4:	3.8148e+00	3.8147e+00	8e-02	3e-02	9e-16	2e-03
5:	3.8400e+00	3.8400e+00	1e-02	4e-03	2e-15	3e-04
6:	3.8423e+00	3.8423e+00	9e-04	3e-04	1e-14	2e-05
7:	3.8425e+00	3.8425e+00	3e-05	9e-06	2e-13	7e-07
8:	3.8425e+00	3.8425e+00	3e-07	9e-08	8e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1855e+00	1.1822e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3399e+00	2.3385e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5958e+00	2.5952e+00	3e-01	1e-01	1e-15	1e-02
4:	2.6707e+00	2.6704e+00	6e-02	2e-02	2e-15	2e-03
5:	2.6856e+00	2.6856e+00	5e-03	2e-03	6e-16	1e-04
6:	2.6868e+00	2.6868e+00	5e-05	2e-05	1e-15	1e-06
7:	2.6868e+00	2.6868e+00	5e-07	2e-07	1e-15	1e-08
8:	2.6868e+00	2.6868e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	1.4349e+00	1.4318e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7557e+00	2.7538e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9935e+00	2.9930e+00	3e-01	8e-02	2e-15	8e-03
4:	3.0597e+00	3.0595e+00	5e-02	2e-02	1e-15	2e-03
5:	3.0668e+00	3.0668e+00	1e-02	3e-03	5e-15	3e-04
6:	3.0695e+00	3.0695e+00	4e-04	1e-04	8e-16	1e-05
7:	3.0696e+00	3.0696e+00	4e-06	1e-06	1e-15	1e-07
8:	3.0696e+00	3.0696e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9797e+00	1.9825e+00	6e+00	2e+00	1e-16	1e-01
2:	3.6350e+00	3.6360e+00	1e+00	5e-01	1e-15	4e-02
3:	3.9838e+00	3.9839e+00	2e-01	8e-02	6e-16	6e-03
4:	3.9871e+00	3.9872e+00	6e-02	2e-02	1e-14	1e-03
5:	3.9999e+00	3.9999e+00	7e-04	2e-04	8e-16	2e-05
6:	4.0000e+00	4.0000e+00	7e-06	2e-06	3e-15	2e-07
7:	4.0000e+00	4.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8267e-01	7.7970e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9629e+00	1.9607e+00	1e+00	4e-01	1e-15	4e-02
3:	2.2575e+00	2.2569e+00	3e-01	8e-02	8e-16	8e-03
4:	2.3044e+00	2.3043e+00	4e-02	1e-02	1e-15	1e-03
5:	2.3113e+00	2.3113e+00	5e-03	1e-03	5e-15	1e-04
6:	2.3125e+00	2.3125e+00	6e-05	2e-05	6e-16	2e-06
7:	2.3125e+00	2.3125e+00	6e-07	2e-07	7e-16	2e-08
8:	2.3125e+00	2.3125e+00	6e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0443e+00	1.0413e+00	5e+00	1e+00	2e-16	2e-01
2:	2.8913e+00	2.8893e+00	1e+00	3e-01	5e-16	3e-02
3:	3.0569e+00	3.0554e+00	2e-01	7e-02	3e-15	6e-03
4:	3.1056e+00	3.1053e+00	3e-02	1e-02	1e-15	1e-03
5:	3.1139e+00	3.1139e+00	1e-03	3e-04	1e-15	3e-05
6:	3.1142e+00	3.1142e+00	1e-05	4e-06	4e-16	3e-07
7:	3.1143e+00	3.1143e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.6895e-01	6.6627e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9655e+00	1.9634e+00	1e+00	3e-01	1e-15	4e-02
3:	2.0972e+00	2.0962e+00	3e-01	8e-02	1e-15	8e-03
4:	2.1548e+00	2.1545e+00	7e-02	2e-02	1e-15	2e-03
5:	2.1695e+00	2.1695e+00	2e-03	8e-04	2e-15	6e-05
6:	2.1701e+00	2.1701e+00	2e-05	8e-06	6e-16	6e-07

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7:  2.1701e+00  2.1701e+00  2e-07  8e-08  5e-16  6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  2.5531e+00  2.5500e+00  6e+00  2e+00  2e-16  2e-01
2:  3.8561e+00  3.8552e+00  1e+00  3e-01  3e-15  3e-02
3:  3.9963e+00  3.9963e+00  3e-02  8e-03  2e-15  7e-04
4:  4.0000e+00  4.0000e+00  3e-04  8e-05  1e-15  7e-06
5:  4.0000e+00  4.0000e+00  3e-06  8e-07  1e-15  7e-08
6:  4.0000e+00  4.0000e+00  3e-08  8e-09  1e-15  7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.7646e+00  1.7616e+00  5e+00  2e+00  2e-16  2e-01
2:  3.6434e+00  3.6419e+00  1e+00  4e-01  2e-15  4e-02
3:  3.9565e+00  3.9560e+00  3e-01  9e-02  1e-15  8e-03
4:  3.9786e+00  3.9783e+00  1e-01  3e-02  9e-15  3e-03
5:  3.9996e+00  3.9996e+00  2e-03  7e-04  2e-15  5e-05
6:  4.0000e+00  4.0000e+00  2e-05  7e-06  5e-15  5e-07
7:  4.0000e+00  4.0000e+00  2e-07  7e-08  6e-15  5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.1854e+00  2.1845e+00  6e+00  2e+00  3e-16  1e-01
2:  3.4116e+00  3.4112e+00  2e+00  6e-01  2e-15  5e-02
3:  3.8738e+00  3.8737e+00  3e-01  1e-01  1e-15  8e-03
4:  3.9392e+00  3.9392e+00  8e-02  2e-02  2e-15  2e-03
5:  3.9570e+00  3.9570e+00  8e-03  2e-03  3e-15  2e-04
6:  3.9592e+00  3.9592e+00  3e-04  9e-05  4e-15  7e-06
7:  3.9593e+00  3.9593e+00  3e-06  9e-07  2e-15  7e-08
8:  3.9593e+00  3.9593e+00  3e-08  9e-09  4e-15  7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.4278e+00  1.4245e+00  6e+00  2e+00  3e-16  2e-01
2:  2.6701e+00  2.6680e+00  2e+00  5e-01  4e-15  5e-02
3:  3.1814e+00  3.1807e+00  4e-01  1e-01  2e-15  1e-02
4:  3.2544e+00  3.2541e+00  9e-02  3e-02  2e-15  2e-03
5:  3.2750e+00  3.2750e+00  3e-03  8e-04  1e-15  7e-05
6:  3.2757e+00  3.2757e+00  3e-05  8e-06  7e-16  7e-07
7:  3.2757e+00  3.2757e+00  3e-07  8e-08  8e-16  7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.7060e+00  1.7026e+00  5e+00  2e+00  2e-16  2e-01
2:  3.6383e+00  3.6364e+00  1e+00  3e-01  3e-15  3e-02
3:  3.8928e+00  3.8921e+00  4e-01  1e-01  1e-15  1e-02
4:  3.9749e+00  3.9748e+00  5e-02  1e-02  2e-15  1e-03

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5:	3.9824e+00	3.9824e+00	3e-03	9e-04	1e-14	8e-05
6:	3.9831e+00	3.9831e+00	3e-05	9e-06	4e-15	8e-07
7:	3.9831e+00	3.9831e+00	3e-07	9e-08	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2397e-01	8.2128e-01	5e+00	1e+00	2e-16	2e-01
2:	2.0619e+00	2.0597e+00	1e+00	4e-01	1e-15	4e-02
3:	2.2817e+00	2.2811e+00	3e-01	8e-02	1e-15	9e-03
4:	2.3426e+00	2.3423e+00	5e-02	2e-02	1e-15	2e-03
5:	2.3476e+00	2.3475e+00	1e-02	5e-03	6e-15	4e-04
6:	2.3511e+00	2.3511e+00	2e-04	6e-05	5e-16	5e-06
7:	2.3511e+00	2.3511e+00	2e-06	6e-07	1e-15	5e-08
8:	2.3511e+00	2.3511e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6641e+00	1.6623e+00	6e+00	2e+00	3e-16	1e-01
2:	3.4532e+00	3.4525e+00	1e+00	4e-01	1e-15	4e-02
3:	3.6725e+00	3.6720e+00	5e-01	2e-01	8e-16	1e-02
4:	3.7622e+00	3.7621e+00	8e-02	3e-02	1e-15	2e-03
5:	3.7823e+00	3.7823e+00	1e-03	4e-04	5e-16	3e-05
6:	3.7826e+00	3.7826e+00	1e-05	4e-06	6e-16	3e-07
7:	3.7826e+00	3.7826e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8508e+00	1.8475e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6558e+00	3.6541e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9126e+00	3.9121e+00	2e-01	7e-02	3e-15	7e-03
4:	3.9940e+00	3.9939e+00	3e-02	9e-03	2e-15	9e-04
5:	3.9993e+00	3.9993e+00	6e-03	2e-03	2e-14	2e-04
6:	3.9998e+00	3.9998e+00	1e-03	3e-04	4e-13	3e-05
7:	4.0000e+00	4.0000e+00	1e-05	4e-06	1e-13	3e-07
8:	4.0000e+00	4.0000e+00	1e-07	4e-08	6e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0357e+00	2.0325e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7708e+00	3.7695e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9873e+00	3.9868e+00	1e-01	4e-02	3e-15	3e-03
4:	3.9998e+00	3.9998e+00	2e-03	5e-04	9e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	1e-15	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.0013e-01	7.9677e-01	5e+00	2e+00	2e-16	2e-01



2:	1.6498e+00	1.6483e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9492e+00	1.9487e+00	3e-01	1e-01	7e-16	1e-02
4:	2.0144e+00	2.0143e+00	5e-02	2e-02	2e-15	2e-03
5:	2.0297e+00	2.0297e+00	1e-02	3e-03	2e-15	3e-04
6:	2.0322e+00	2.0322e+00	9e-04	3e-04	4e-15	3e-05
7:	2.0324e+00	2.0324e+00	2e-05	6e-06	5e-14	5e-07
8:	2.0324e+00	2.0324e+00	2e-07	6e-08	2e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7409e+00	1.7379e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2061e+00	3.2047e+00	1e+00	3e-01	4e-15	3e-02
3:	3.3495e+00	3.3488e+00	3e-01	9e-02	2e-15	7e-03
4:	3.4145e+00	3.4144e+00	5e-02	2e-02	7e-16	1e-03
5:	3.4211e+00	3.4210e+00	8e-03	2e-03	7e-15	2e-04
6:	3.4227e+00	3.4227e+00	9e-04	3e-04	8e-16	2e-05
7:	3.4229e+00	3.4229e+00	2e-05	5e-06	1e-15	4e-07
8:	3.4229e+00	3.4229e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7616e+00	1.7584e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3913e+00	3.3900e+00	1e+00	5e-01	2e-15	4e-02
3:	3.8951e+00	3.8947e+00	3e-01	1e-01	1e-15	1e-02
4:	3.9899e+00	3.9898e+00	7e-02	2e-02	2e-15	2e-03
5:	3.9970e+00	3.9969e+00	1e-02	4e-03	6e-14	4e-04
6:	4.0000e+00	4.0000e+00	2e-04	6e-05	7e-15	5e-06
7:	4.0000e+00	4.0000e+00	2e-06	6e-07	2e-14	5e-08
8:	4.0000e+00	4.0000e+00	2e-08	6e-09	2e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4770e+00	1.4736e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6711e+00	3.6694e+00	1e+00	3e-01	1e-15	3e-02
3:	3.7748e+00	3.7741e+00	3e-01	9e-02	1e-15	8e-03
4:	3.8149e+00	3.8148e+00	2e-02	7e-03	4e-15	7e-04
5:	3.8187e+00	3.8187e+00	3e-04	8e-05	3e-15	8e-06
6:	3.8188e+00	3.8188e+00	3e-06	8e-07	1e-15	8e-08
7:	3.8188e+00	3.8188e+00	3e-08	8e-09	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.8315e-01	3.8195e-01	3e+00	1e+00	2e-16	1e-01
2:	1.3618e+00	1.3594e+00	1e+00	3e-01	5e-16	4e-02
3:	1.5201e+00	1.5169e+00	4e-01	1e-01	2e-15	1e-02
4:	1.5809e+00	1.5801e+00	6e-02	2e-02	8e-16	2e-03
5:	1.5986e+00	1.5984e+00	2e-02	5e-03	8e-16	5e-04
6:	1.6019e+00	1.6019e+00	1e-03	4e-04	4e-15	4e-05

7:	1.6020e+00	1.6020e+00	4e-04	1e-04	2e-13	9e-06
8:	1.6021e+00	1.6021e+00	5e-06	2e-06	9e-15	1e-07
9:	1.6021e+00	1.6021e+00	5e-08	2e-08	3e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9968e+00	1.9939e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6672e+00	3.6662e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9577e+00	3.9573e+00	4e-01	1e-01	1e-15	1e-02
4:	3.9891e+00	3.9888e+00	6e-02	2e-02	5e-15	2e-03
5:	3.9999e+00	3.9999e+00	6e-04	2e-04	9e-16	2e-05
6:	4.0000e+00	4.0000e+00	6e-06	2e-06	1e-15	2e-07
7:	4.0000e+00	4.0000e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2824e+00	2.2798e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8325e+00	3.8314e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9775e+00	3.9773e+00	1e-01	4e-02	3e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	4e-04	2e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	7e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4932e+00	1.4899e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9287e+00	2.9269e+00	1e+00	4e-01	2e-15	4e-02
3:	3.1430e+00	3.1424e+00	3e-01	1e-01	2e-15	1e-02
4:	3.2569e+00	3.2567e+00	6e-02	2e-02	1e-15	2e-03
5:	3.2679e+00	3.2679e+00	5e-03	2e-03	5e-15	1e-04
6:	3.2691e+00	3.2691e+00	5e-05	2e-05	8e-16	1e-06
7:	3.2691e+00	3.2691e+00	5e-07	2e-07	6e-16	1e-08
8:	3.2691e+00	3.2691e+00	5e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3728e+00	2.3714e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8613e+00	3.8609e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9813e+00	3.9812e+00	1e-01	3e-02	2e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8410e-01	9.8098e-01	5e+00	2e+00	2e-16	2e-01
2:	2.7461e+00	2.7440e+00	1e+00	4e-01	1e-15	4e-02
3:	3.0306e+00	3.0303e+00	1e-01	4e-02	7e-16	4e-03

4:	3.0532e+00	3.0531e+00	1e-02	3e-03	8e-15	3e-04
5:	3.0554e+00	3.0554e+00	5e-04	2e-04	9e-15	2e-05
6:	3.0555e+00	3.0555e+00	5e-05	1e-05	1e-12	1e-06
7:	3.0555e+00	3.0555e+00	5e-07	1e-07	9e-14	1e-08
8:	3.0555e+00	3.0555e+00	5e-09	1e-09	2e-13	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3072e+00	1.3039e+00	5e+00	2e+00	3e-16	2e-01
2:	2.9009e+00	2.8991e+00	1e+00	3e-01	2e-15	3e-02
3:	3.1594e+00	3.1589e+00	2e-01	5e-02	8e-16	5e-03
4:	3.1975e+00	3.1974e+00	1e-02	4e-03	4e-15	4e-04
5:	3.2010e+00	3.2010e+00	2e-04	6e-05	4e-15	5e-06
6:	3.2011e+00	3.2011e+00	2e-06	6e-07	2e-15	5e-08
7:	3.2011e+00	3.2011e+00	2e-08	6e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8142e+00	1.8109e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6362e+00	3.6350e+00	9e-01	3e-01	1e-15	3e-02
3:	3.7676e+00	3.7670e+00	3e-01	8e-02	2e-15	7e-03
4:	3.8394e+00	3.8393e+00	5e-02	1e-02	2e-15	1e-03
5:	3.8552e+00	3.8552e+00	4e-03	1e-03	2e-15	1e-04
6:	3.8561e+00	3.8561e+00	4e-05	1e-05	1e-14	1e-06
7:	3.8561e+00	3.8561e+00	4e-07	1e-07	9e-15	1e-08
8:	3.8561e+00	3.8561e+00	4e-09	1e-09	6e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4839e+00	1.4806e+00	5e+00	2e+00	3e-16	2e-01
2:	3.1025e+00	3.1008e+00	1e+00	4e-01	3e-15	4e-02
3:	3.4950e+00	3.4945e+00	3e-01	1e-01	1e-15	9e-03
4:	3.5380e+00	3.5378e+00	6e-02	2e-02	3e-15	2e-03
5:	3.5533e+00	3.5533e+00	1e-02	3e-03	6e-15	3e-04
6:	3.5548e+00	3.5548e+00	1e-03	4e-04	5e-14	4e-05
7:	3.5551e+00	3.5551e+00	1e-05	5e-06	4e-15	4e-07
8:	3.5551e+00	3.5551e+00	1e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5147e+00	1.5113e+00	5e+00	2e+00	3e-16	2e-01
2:	2.9633e+00	2.9619e+00	1e+00	3e-01	3e-15	3e-02
3:	3.2093e+00	3.2089e+00	2e-01	7e-02	1e-15	6e-03
4:	3.2528e+00	3.2527e+00	4e-02	1e-02	1e-15	1e-03
5:	3.2614e+00	3.2613e+00	7e-03	2e-03	2e-15	2e-04
6:	3.2626e+00	3.2626e+00	4e-04	1e-04	5e-15	1e-05
7:	3.2627e+00	3.2627e+00	4e-06	1e-06	1e-15	1e-07
8:	3.2627e+00	3.2627e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4063e+00	1.4030e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2489e+00	3.2472e+00	1e+00	4e-01	9e-16	4e-02
3:	3.5507e+00	3.5499e+00	3e-01	9e-02	9e-16	9e-03
4:	3.6380e+00	3.6378e+00	6e-02	2e-02	1e-15	2e-03
5:	3.6475e+00	3.6474e+00	8e-03	2e-03	4e-15	2e-04
6:	3.6493e+00	3.6493e+00	9e-05	3e-05	2e-15	2e-06
7:	3.6494e+00	3.6494e+00	9e-07	3e-07	5e-15	2e-08
8:	3.6494e+00	3.6494e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1730e+00	1.1713e+00	5e+00	2e+00	2e-16	1e-01
2:	2.2051e+00	2.2043e+00	1e+00	4e-01	6e-16	3e-02
3:	2.4544e+00	2.4542e+00	3e-01	8e-02	4e-16	7e-03
4:	2.5045e+00	2.5045e+00	4e-02	1e-02	1e-15	1e-03
5:	2.5164e+00	2.5164e+00	8e-03	3e-03	2e-15	2e-04
6:	2.5176e+00	2.5176e+00	9e-04	3e-04	2e-14	2e-05
7:	2.5178e+00	2.5178e+00	9e-06	3e-06	3e-15	2e-07
8:	2.5178e+00	2.5178e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0646e+00	2.0619e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2202e+00	3.2191e+00	2e+00	5e-01	3e-15	4e-02
3:	3.7830e+00	3.7827e+00	4e-01	1e-01	8e-16	1e-02
4:	3.8853e+00	3.8852e+00	1e-01	4e-02	2e-15	3e-03
5:	3.9112e+00	3.9111e+00	3e-02	9e-03	5e-15	8e-04
6:	3.9190e+00	3.9190e+00	5e-03	1e-03	3e-15	1e-04
7:	3.9199e+00	3.9199e+00	5e-04	1e-04	4e-14	1e-05
8:	3.9200e+00	3.9200e+00	5e-06	2e-06	2e-14	1e-07
9:	3.9200e+00	3.9200e+00	5e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2470e+00	2.2450e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8156e+00	3.8149e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9711e+00	3.9708e+00	2e-01	5e-02	4e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	5e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.7107e+00	1.7075e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5595e+00	3.5574e+00	2e+00	5e-01	2e-15	5e-02

3:	3.8774e+00	3.8762e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9830e+00	3.9828e+00	1e-01	3e-02	2e-15	3e-03
5:	3.9953e+00	3.9952e+00	2e-02	7e-03	2e-14	6e-04
6:	3.9995e+00	3.9994e+00	6e-03	2e-03	2e-14	2e-04
7:	3.9995e+00	3.9995e+00	2e-03	7e-04	2e-13	6e-05
8:	4.0000e+00	4.0000e+00	3e-05	8e-06	2e-14	7e-07
9:	4.0000e+00	4.0000e+00	3e-07	8e-08	6e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4397e+00	1.4363e+00	5e+00	2e+00	1e-16	2e-01
2:	3.1894e+00	3.1875e+00	1e+00	4e-01	3e-15	4e-02
3:	3.4977e+00	3.4970e+00	3e-01	1e-01	9e-16	1e-02
4:	3.5837e+00	3.5836e+00	5e-02	2e-02	3e-15	1e-03
5:	3.5897e+00	3.5897e+00	6e-03	2e-03	4e-14	2e-04
6:	3.5908e+00	3.5908e+00	3e-04	1e-04	1e-14	8e-06
7:	3.5909e+00	3.5909e+00	3e-06	1e-06	1e-14	9e-08
8:	3.5909e+00	3.5909e+00	3e-08	1e-08	7e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7779e+00	1.7745e+00	5e+00	2e+00	1e-16	2e-01
2:	3.5992e+00	3.5976e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9424e+00	3.9418e+00	3e-01	1e-01	1e-15	9e-03
4:	3.9929e+00	3.9927e+00	7e-02	2e-02	2e-15	2e-03
5:	3.9989e+00	3.9989e+00	6e-03	2e-03	3e-14	2e-04
6:	4.0000e+00	4.0000e+00	7e-05	2e-05	3e-15	2e-06
7:	4.0000e+00	4.0000e+00	7e-07	2e-07	5e-15	2e-08
8:	4.0000e+00	4.0000e+00	7e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6744e-01	9.6470e-01	5e+00	1e+00	2e-16	2e-01
2:	2.2098e+00	2.2077e+00	1e+00	4e-01	2e-15	5e-02
3:	2.4333e+00	2.4321e+00	3e-01	1e-01	3e-15	1e-02
4:	2.4865e+00	2.4860e+00	1e-01	3e-02	1e-15	3e-03
5:	2.4986e+00	2.4985e+00	2e-02	5e-03	2e-15	5e-04
6:	2.5019e+00	2.5019e+00	2e-03	7e-04	2e-15	6e-05
7:	2.5025e+00	2.5025e+00	2e-05	8e-06	4e-16	7e-07
8:	2.5025e+00	2.5025e+00	2e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.0386e-01	8.0050e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9370e+00	1.9356e+00	9e-01	3e-01	2e-15	3e-02
3:	2.1098e+00	2.1093e+00	2e-01	6e-02	1e-15	5e-03
4:	2.1451e+00	2.1450e+00	3e-02	8e-03	1e-15	8e-04
5:	2.1537e+00	2.1537e+00	6e-03	2e-03	5e-16	2e-04

6:	2.1547e+00	2.1546e+00	2e-03	5e-04	2e-14	4e-05
7:	2.1551e+00	2.1551e+00	2e-05	5e-06	7e-16	5e-07
8:	2.1551e+00	2.1551e+00	2e-07	5e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1542e+00	2.1509e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7307e+00	3.7288e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9762e+00	3.9758e+00	2e-01	6e-02	3e-15	5e-03
4:	3.9998e+00	3.9998e+00	2e-03	6e-04	1e-15	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	1e-15	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0316e+00	2.0283e+00	5e+00	2e+00	3e-16	2e-01
2:	3.9263e+00	3.9249e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9789e+00	3.9785e+00	1e-01	3e-02	5e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	7e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	7e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4852e+00	1.4819e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5113e+00	3.5100e+00	8e-01	3e-01	1e-15	2e-02
3:	3.6475e+00	3.6470e+00	2e-01	6e-02	3e-15	5e-03
4:	3.6953e+00	3.6952e+00	3e-02	8e-03	1e-15	7e-04
5:	3.7029e+00	3.7029e+00	3e-04	9e-05	1e-15	8e-06
6:	3.7030e+00	3.7030e+00	3e-06	9e-07	1e-15	8e-08
7:	3.7030e+00	3.7030e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2600e+00	1.2567e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4941e+00	2.4927e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8144e+00	2.8140e+00	4e-01	1e-01	8e-16	1e-02
4:	2.8929e+00	2.8928e+00	6e-02	2e-02	1e-15	2e-03
5:	2.9101e+00	2.9101e+00	3e-03	8e-04	1e-15	7e-05
6:	2.9107e+00	2.9107e+00	3e-05	8e-06	1e-15	7e-07
7:	2.9107e+00	2.9107e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6412e+00	1.6381e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8865e+00	2.8853e+00	1e+00	3e-01	2e-15	3e-02
3:	3.1766e+00	3.1760e+00	4e-01	1e-01	1e-15	1e-02
4:	3.2098e+00	3.2093e+00	2e-01	5e-02	3e-15	4e-03

5:	3.2502e+00	3.2501e+00	2e-02	5e-03	6e-16	4e-04
6:	3.2533e+00	3.2533e+00	7e-04	2e-04	4e-15	2e-05
7:	3.2535e+00	3.2535e+00	7e-06	2e-06	3e-15	2e-07
8:	3.2535e+00	3.2535e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4972e+00	2.4952e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3087e+00	4.3080e+00	1e+00	4e-01	2e-15	4e-02
3:	4.6202e+00	4.6199e+00	3e-01	1e-01	1e-15	9e-03
4:	4.6954e+00	4.6954e+00	6e-02	2e-02	1e-15	2e-03
5:	4.7071e+00	4.7071e+00	4e-03	1e-03	2e-15	1e-04
6:	4.7081e+00	4.7081e+00	4e-05	1e-05	1e-15	1e-06
7:	4.7081e+00	4.7081e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7682e+00	1.7651e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6449e+00	3.6433e+00	2e+00	5e-01	2e-15	4e-02
3:	3.8790e+00	3.8782e+00	3e-01	1e-01	2e-15	8e-03
4:	3.9557e+00	3.9556e+00	4e-02	1e-02	7e-16	1e-03
5:	3.9668e+00	3.9668e+00	6e-04	2e-04	5e-16	1e-05
6:	3.9669e+00	3.9669e+00	6e-06	2e-06	6e-16	1e-07
7:	3.9669e+00	3.9669e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3094e+00	2.3070e+00	5e+00	2e+00	3e-16	1e-01
2:	3.6472e+00	3.6465e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8452e+00	3.8450e+00	2e-01	6e-02	1e-15	5e-03
4:	3.9117e+00	3.9117e+00	6e-02	2e-02	9e-16	1e-03
5:	3.9244e+00	3.9244e+00	7e-03	2e-03	3e-15	2e-04
6:	3.9260e+00	3.9260e+00	8e-05	2e-05	6e-16	2e-06
7:	3.9261e+00	3.9261e+00	8e-07	2e-07	8e-16	2e-08
8:	3.9261e+00	3.9261e+00	8e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8554e+00	1.8521e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6594e+00	3.6577e+00	1e+00	4e-01	4e-15	4e-02
3:	4.0085e+00	4.0080e+00	2e-01	8e-02	7e-16	7e-03
4:	4.0439e+00	4.0438e+00	5e-02	2e-02	6e-15	1e-03
5:	4.0545e+00	4.0545e+00	5e-04	2e-04	2e-15	1e-05
6:	4.0546e+00	4.0546e+00	5e-06	2e-06	2e-15	1e-07
7:	4.0546e+00	4.0546e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.0625e+00	2.0602e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4360e+00	3.4348e+00	2e+00	5e-01	3e-15	4e-02
3:	3.9923e+00	3.9919e+00	4e-01	1e-01	7e-16	1e-02
4:	4.0864e+00	4.0863e+00	7e-02	2e-02	3e-15	2e-03
5:	4.1072e+00	4.1072e+00	2e-03	7e-04	1e-15	6e-05
6:	4.1079e+00	4.1079e+00	2e-05	7e-06	2e-15	6e-07
7:	4.1079e+00	4.1079e+00	2e-07	7e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1464e+00	1.1431e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4684e+00	2.4661e+00	2e+00	6e-01	2e-15	6e-02
3:	2.7906e+00	2.7892e+00	4e-01	1e-01	8e-16	1e-02
4:	2.9119e+00	2.9118e+00	5e-02	2e-02	8e-16	1e-03
5:	2.9157e+00	2.9156e+00	2e-02	8e-03	9e-15	7e-04
6:	2.9222e+00	2.9222e+00	1e-03	4e-04	1e-15	3e-05
7:	2.9226e+00	2.9226e+00	1e-05	4e-06	6e-16	3e-07
8:	2.9226e+00	2.9226e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5271e+00	1.5237e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3981e+00	3.3965e+00	1e+00	5e-01	1e-15	4e-02
3:	3.6326e+00	3.6315e+00	4e-01	1e-01	2e-15	1e-02
4:	3.6973e+00	3.6972e+00	2e-02	8e-03	1e-15	7e-04
5:	3.7020e+00	3.7020e+00	4e-03	1e-03	8e-16	1e-04
6:	3.7029e+00	3.7029e+00	6e-04	2e-04	5e-16	2e-05
7:	3.7030e+00	3.7030e+00	2e-05	6e-06	6e-15	5e-07
8:	3.7030e+00	3.7030e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8660e+00	1.8627e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7147e+00	3.7133e+00	1e+00	4e-01	1e-15	4e-02
3:	4.2075e+00	4.2072e+00	3e-01	8e-02	2e-15	7e-03
4:	4.2583e+00	4.2582e+00	6e-02	2e-02	6e-15	2e-03
5:	4.2710e+00	4.2710e+00	6e-03	2e-03	1e-14	2e-04
6:	4.2725e+00	4.2725e+00	6e-05	2e-05	1e-14	2e-06
7:	4.2725e+00	4.2725e+00	6e-07	2e-07	9e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2633e+00	1.2603e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8155e+00	2.8138e+00	1e+00	3e-01	2e-15	4e-02
3:	2.9917e+00	2.9906e+00	3e-01	9e-02	3e-15	8e-03
4:	3.0619e+00	3.0616e+00	7e-02	2e-02	1e-15	2e-03
5:	3.0738e+00	3.0738e+00	1e-02	3e-03	3e-15	3e-04
6:	3.0763e+00	3.0763e+00	5e-04	1e-04	5e-15	1e-05



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7:  3.0764e+00  3.0764e+00  5e-06  1e-06  5e-15  1e-07
8:  3.0764e+00  3.0764e+00  5e-08  1e-08  3e-15  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.6570e+00  1.6537e+00  5e+00  2e+00  2e-16  2e-01
2:  3.2527e+00  3.2515e+00  1e+00  3e-01  2e-15  3e-02
3:  3.5523e+00  3.5520e+00  2e-01  6e-02  1e-15  6e-03
4:  3.6203e+00  3.6203e+00  2e-02  6e-03  3e-15  6e-04
5:  3.6247e+00  3.6247e+00  2e-03  7e-04  2e-14  6e-05
6:  3.6251e+00  3.6251e+00  4e-05  1e-05  1e-13  1e-06
7:  3.6251e+00  3.6251e+00  4e-07  1e-07  4e-14  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.5576e+00  1.5543e+00  5e+00  2e+00  3e-16  2e-01
2:  2.8619e+00  2.8608e+00  9e-01  3e-01  1e-15  3e-02
3:  3.1942e+00  3.1937e+00  2e-01  8e-02  2e-15  7e-03
4:  3.2353e+00  3.2352e+00  5e-02  2e-02  6e-15  2e-03
5:  3.2464e+00  3.2464e+00  6e-03  2e-03  6e-15  2e-04
6:  3.2476e+00  3.2476e+00  6e-05  2e-05  4e-15  2e-06
7:  3.2476e+00  3.2476e+00  6e-07  2e-07  4e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.2773e+00  2.2749e+00  6e+00  2e+00  2e-16  2e-01
2:  4.1781e+00  4.1772e+00  1e+00  4e-01  4e-15  3e-02
3:  4.5108e+00  4.5105e+00  2e-01  8e-02  4e-15  6e-03
4:  4.5866e+00  4.5865e+00  3e-02  9e-03  2e-15  7e-04
5:  4.5954e+00  4.5954e+00  2e-03  7e-04  3e-15  6e-05
6:  4.5960e+00  4.5960e+00  1e-04  4e-05  2e-13  4e-06
7:  4.5960e+00  4.5960e+00  1e-06  5e-07  1e-14  4e-08
8:  4.5960e+00  4.5960e+00  1e-08  5e-09  2e-14  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.7064e+00  1.7032e+00  5e+00  2e+00  2e-16  2e-01
2:  3.3557e+00  3.3541e+00  1e+00  4e-01  1e-15  5e-02
3:  3.5812e+00  3.5804e+00  3e-01  9e-02  5e-15  8e-03
4:  3.6583e+00  3.6580e+00  4e-02  1e-02  1e-15  1e-03
5:  3.6660e+00  3.6660e+00  4e-03  1e-03  3e-15  1e-04
6:  3.6669e+00  3.6669e+00  8e-05  3e-05  3e-15  2e-06
7:  3.6669e+00  3.6669e+00  8e-07  3e-07  7e-16  2e-08
8:  3.6669e+00  3.6669e+00  8e-09  3e-09  7e-15  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.7796e+00  1.7767e+00  6e+00  2e+00  2e-16  2e-01

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2:	3.2819e+00	3.2806e+00	1e+00	4e-01	4e-15	4e-02
3:	3.6331e+00	3.6326e+00	3e-01	9e-02	2e-15	8e-03
4:	3.7109e+00	3.7108e+00	4e-02	1e-02	1e-15	1e-03
5:	3.7266e+00	3.7266e+00	4e-03	1e-03	2e-15	1e-04
6:	3.7277e+00	3.7277e+00	3e-04	9e-05	2e-14	7e-06
7:	3.7278e+00	3.7278e+00	3e-06	9e-07	2e-15	7e-08
8:	3.7278e+00	3.7278e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2572e+00	1.2549e+00	6e+00	2e+00	2e-16	1e-01
2:	2.6602e+00	2.6594e+00	1e+00	3e-01	1e-15	3e-02
3:	2.8359e+00	2.8354e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9527e+00	2.9526e+00	5e-02	2e-02	7e-16	1e-03
5:	2.9645e+00	2.9644e+00	8e-03	3e-03	6e-15	2e-04
6:	2.9670e+00	2.9670e+00	9e-05	3e-05	2e-15	2e-06
7:	2.9670e+00	2.9670e+00	9e-07	3e-07	4e-15	2e-08
8:	2.9670e+00	2.9670e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5308e+00	2.5326e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7368e+00	3.7373e+00	1e+00	4e-01	7e-16	3e-02
3:	4.2000e+00	4.2001e+00	2e-01	7e-02	1e-15	5e-03
4:	4.2432e+00	4.2432e+00	6e-02	2e-02	3e-15	1e-03
5:	4.2544e+00	4.2544e+00	1e-02	3e-03	8e-15	3e-04
6:	4.2570e+00	4.2570e+00	2e-04	7e-05	4e-15	5e-06
7:	4.2570e+00	4.2570e+00	2e-06	7e-07	1e-15	5e-08
8:	4.2570e+00	4.2570e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6804e+00	2.6779e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6480e+00	4.6472e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9358e+00	4.9356e+00	2e-01	7e-02	7e-15	6e-03
4:	4.9976e+00	4.9975e+00	2e-02	6e-03	3e-15	5e-04
5:	4.9992e+00	4.9992e+00	3e-03	1e-03	1e-13	9e-05
6:	5.0000e+00	5.0000e+00	3e-05	1e-05	6e-15	9e-07
7:	5.0000e+00	5.0000e+00	3e-07	1e-07	1e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4697e+00	2.4666e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9760e+00	3.9746e+00	1e+00	5e-01	2e-15	4e-02
3:	4.4069e+00	4.4064e+00	4e-01	1e-01	2e-15	1e-02
4:	4.4376e+00	4.4371e+00	1e-01	4e-02	7e-15	4e-03
5:	4.4705e+00	4.4704e+00	2e-02	6e-03	9e-16	5e-04
6:	4.4751e+00	4.4751e+00	2e-04	7e-05	3e-15	6e-06

7:	4.4751e+00	4.4751e+00	2e-06	7e-07	2e-15	6e-08
8:	4.4751e+00	4.4751e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9871e+00	1.9852e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4902e+00	3.4896e+00	2e+00	5e-01	3e-15	4e-02
3:	3.8425e+00	3.8423e+00	3e-01	9e-02	4e-15	8e-03
4:	3.8905e+00	3.8905e+00	5e-02	1e-02	1e-15	1e-03
5:	3.9017e+00	3.9017e+00	5e-03	2e-03	3e-15	1e-04
6:	3.9028e+00	3.9028e+00	7e-05	2e-05	2e-15	2e-06
7:	3.9029e+00	3.9029e+00	7e-07	2e-07	2e-15	2e-08
8:	3.9029e+00	3.9029e+00	7e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1414e+00	1.1380e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3473e+00	2.3453e+00	1e+00	4e-01	3e-15	4e-02
3:	2.5308e+00	2.5301e+00	2e-01	7e-02	1e-15	6e-03
4:	2.5916e+00	2.5914e+00	4e-02	1e-02	7e-16	1e-03
5:	2.5975e+00	2.5974e+00	1e-02	5e-03	5e-15	4e-04
6:	2.6027e+00	2.6027e+00	1e-03	4e-04	8e-16	3e-05
7:	2.6031e+00	2.6031e+00	1e-04	4e-05	5e-15	3e-06
8:	2.6031e+00	2.6031e+00	1e-06	4e-07	9e-16	3e-08
9:	2.6031e+00	2.6031e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2768e+00	1.2737e+00	6e+00	2e+00	3e-16	2e-01
2:	2.4266e+00	2.4244e+00	2e+00	7e-01	3e-15	6e-02
3:	2.7832e+00	2.7827e+00	4e-01	1e-01	1e-15	1e-02
4:	2.8537e+00	2.8536e+00	7e-02	2e-02	8e-16	2e-03
5:	2.8652e+00	2.8652e+00	6e-03	2e-03	1e-15	2e-04
6:	2.8668e+00	2.8668e+00	1e-03	5e-04	6e-16	4e-05
7:	2.8670e+00	2.8670e+00	2e-05	5e-06	1e-15	4e-07
8:	2.8670e+00	2.8670e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5629e+00	2.5627e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1226e+00	4.1225e+00	2e+00	5e-01	3e-15	4e-02
3:	4.3849e+00	4.3848e+00	5e-01	2e-01	2e-15	1e-02
4:	4.5070e+00	4.5070e+00	2e-01	6e-02	8e-16	4e-03
5:	4.5489e+00	4.5489e+00	2e-02	6e-03	3e-15	4e-04
6:	4.5525e+00	4.5525e+00	2e-03	7e-04	9e-15	6e-05
7:	4.5532e+00	4.5532e+00	4e-05	1e-05	7e-16	9e-07
8:	4.5532e+00	4.5532e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7583e+00	1.7569e+00	6e+00	2e+00	2e-16	1e-01
2:	3.1474e+00	3.1467e+00	2e+00	5e-01	7e-16	4e-02
3:	3.4773e+00	3.4771e+00	4e-01	1e-01	1e-15	1e-02
4:	3.5766e+00	3.5765e+00	7e-02	2e-02	2e-15	2e-03
5:	3.5909e+00	3.5909e+00	4e-03	1e-03	2e-15	1e-04
6:	3.5920e+00	3.5920e+00	4e-05	1e-05	5e-16	1e-06
7:	3.5921e+00	3.5921e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6856e+00	2.6848e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6610e+00	4.6608e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9391e+00	4.9390e+00	3e-01	1e-01	2e-15	9e-03
4:	4.9906e+00	4.9906e+00	3e-02	1e-02	7e-15	8e-04
5:	4.9999e+00	4.9999e+00	3e-04	1e-04	2e-15	9e-06
6:	5.0000e+00	5.0000e+00	3e-06	1e-06	1e-15	9e-08
7:	5.0000e+00	5.0000e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1057e+00	2.1024e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9684e+00	3.9669e+00	1e+00	4e-01	5e-15	4e-02
3:	4.2481e+00	4.2477e+00	2e-01	7e-02	2e-15	6e-03
4:	4.2813e+00	4.2812e+00	7e-02	2e-02	4e-15	2e-03
5:	4.2997e+00	4.2997e+00	6e-03	2e-03	2e-15	2e-04
6:	4.3014e+00	4.3014e+00	3e-04	8e-05	1e-15	7e-06
7:	4.3015e+00	4.3015e+00	3e-06	8e-07	1e-15	7e-08
8:	4.3015e+00	4.3015e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4088e+00	1.4055e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5950e+00	2.5924e+00	2e+00	5e-01	3e-15	5e-02
3:	3.0315e+00	3.0305e+00	5e-01	2e-01	2e-15	2e-02
4:	3.0695e+00	3.0689e+00	1e-01	4e-02	2e-15	3e-03
5:	3.0931e+00	3.0929e+00	3e-02	1e-02	8e-16	8e-04
6:	3.1001e+00	3.1001e+00	7e-04	2e-04	5e-16	2e-05
7:	3.1003e+00	3.1003e+00	7e-06	2e-06	5e-16	2e-07
8:	3.1003e+00	3.1003e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7584e+00	2.7573e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6191e+00	4.6187e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9403e+00	4.9402e+00	5e-01	2e-01	2e-15	1e-02
4:	4.9926e+00	4.9926e+00	4e-02	1e-02	4e-15	1e-03

5:	4.9999e+00	4.9999e+00	4e-04	1e-04	7e-16	1e-05
6:	5.0000e+00	5.0000e+00	4e-06	1e-06	5e-16	1e-07
7:	5.0000e+00	5.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9713e+00	1.9679e+00	5e+00	2e+00	3e-16	2e-01
2:	3.9908e+00	3.9888e+00	1e+00	4e-01	3e-15	4e-02
3:	4.2629e+00	4.2617e+00	4e-01	1e-01	2e-15	1e-02
4:	4.3086e+00	4.3084e+00	5e-02	2e-02	3e-15	1e-03
5:	4.3213e+00	4.3213e+00	1e-02	3e-03	7e-16	3e-04
6:	4.3230e+00	4.3229e+00	2e-03	5e-04	3e-15	4e-05
7:	4.3233e+00	4.3233e+00	2e-05	6e-06	1e-15	5e-07
8:	4.3233e+00	4.3233e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5341e+00	2.5318e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1535e+00	4.1528e+00	1e+00	3e-01	3e-15	3e-02
3:	4.3888e+00	4.3885e+00	3e-01	9e-02	2e-15	8e-03
4:	4.4649e+00	4.4648e+00	4e-02	1e-02	2e-15	1e-03
5:	4.4776e+00	4.4776e+00	2e-03	5e-04	1e-15	4e-05
6:	4.4780e+00	4.4780e+00	2e-05	5e-06	1e-15	4e-07
7:	4.4780e+00	4.4780e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4056e+00	2.4024e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0608e+00	4.0593e+00	2e+00	5e-01	1e-15	5e-02
3:	4.4216e+00	4.4210e+00	5e-01	1e-01	2e-15	1e-02
4:	4.5501e+00	4.5500e+00	3e-02	1e-02	2e-15	8e-04
5:	4.5549e+00	4.5549e+00	3e-04	1e-04	1e-15	9e-06
6:	4.5550e+00	4.5550e+00	3e-06	1e-06	2e-15	9e-08
7:	4.5550e+00	4.5550e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2486e+00	2.2465e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4185e+00	4.4176e+00	1e+00	4e-01	4e-15	4e-02
3:	4.6738e+00	4.6735e+00	3e-01	9e-02	1e-15	7e-03
4:	4.7371e+00	4.7370e+00	6e-02	2e-02	1e-15	1e-03
5:	4.7485e+00	4.7485e+00	1e-02	4e-03	1e-14	3e-04
6:	4.7508e+00	4.7508e+00	3e-04	1e-04	1e-14	9e-06
7:	4.7509e+00	4.7509e+00	3e-06	1e-06	4e-15	9e-08
8:	4.7509e+00	4.7509e+00	3e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.5710e+00	1.5677e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2434e+00	3.2416e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7496e+00	3.7485e+00	5e-01	1e-01	1e-15	1e-02
4:	3.7842e+00	3.7829e+00	2e-01	7e-02	3e-15	6e-03
5:	3.8411e+00	3.8410e+00	3e-02	1e-02	2e-15	8e-04
6:	3.8499e+00	3.8499e+00	7e-04	2e-04	2e-15	2e-05
7:	3.8501e+00	3.8501e+00	7e-06	2e-06	1e-15	2e-07
8:	3.8501e+00	3.8501e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5517e+00	1.5484e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1073e+00	3.1055e+00	2e+00	5e-01	3e-15	5e-02
3:	3.5047e+00	3.5039e+00	5e-01	1e-01	1e-15	1e-02
4:	3.6214e+00	3.6211e+00	1e-01	4e-02	2e-15	4e-03
5:	3.6422e+00	3.6421e+00	2e-02	6e-03	3e-15	5e-04
6:	3.6463e+00	3.6463e+00	3e-03	1e-03	1e-15	9e-05
7:	3.6470e+00	3.6470e+00	6e-05	2e-05	9e-16	2e-06
8:	3.6470e+00	3.6470e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2873e+00	3.2869e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8467e+00	4.8467e+00	9e-01	3e-01	9e-16	2e-02
3:	4.9847e+00	4.9847e+00	5e-02	2e-02	3e-15	1e-03
4:	4.9998e+00	4.9998e+00	5e-04	2e-04	8e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7571e+00	2.7541e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7949e+00	4.7941e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9622e+00	4.9618e+00	2e-01	5e-02	7e-15	4e-03
4:	4.9996e+00	4.9996e+00	2e-03	6e-04	2e-15	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	2e-15	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5622e+00	2.5597e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3028e+00	4.3019e+00	2e+00	5e-01	2e-15	4e-02
3:	4.7044e+00	4.7040e+00	3e-01	1e-01	5e-15	9e-03
4:	4.7956e+00	4.7955e+00	4e-02	1e-02	2e-15	1e-03
5:	4.8058e+00	4.8057e+00	3e-03	1e-03	2e-15	8e-05
6:	4.8064e+00	4.8064e+00	3e-05	1e-05	2e-15	8e-07
7:	4.8064e+00	4.8064e+00	3e-07	1e-07	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6013e+00	1.5981e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7062e+00	2.7046e+00	2e+00	5e-01	2e-15	4e-02
3:	3.0990e+00	3.0984e+00	4e-01	1e-01	7e-16	1e-02
4:	3.1494e+00	3.1491e+00	1e-01	3e-02	1e-15	3e-03
5:	3.1733e+00	3.1732e+00	2e-02	5e-03	4e-16	5e-04
6:	3.1772e+00	3.1772e+00	2e-04	7e-05	1e-15	6e-06
7:	3.1773e+00	3.1773e+00	2e-06	7e-07	7e-16	6e-08
8:	3.1773e+00	3.1773e+00	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4059e+00	1.4025e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1803e+00	3.1785e+00	1e+00	4e-01	1e-15	4e-02
3:	3.3119e+00	3.3111e+00	2e-01	7e-02	2e-15	7e-03
4:	3.3594e+00	3.3590e+00	8e-02	3e-02	7e-16	2e-03
5:	3.3740e+00	3.3739e+00	2e-02	5e-03	2e-15	5e-04
6:	3.3762e+00	3.3762e+00	2e-03	6e-04	7e-15	5e-05
7:	3.3766e+00	3.3766e+00	2e-05	6e-06	3e-15	5e-07
8:	3.3766e+00	3.3766e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4656e+00	1.4623e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7885e+00	2.7868e+00	2e+00	5e-01	3e-15	4e-02
3:	3.0626e+00	3.0623e+00	2e-01	8e-02	8e-16	7e-03
4:	3.1266e+00	3.1265e+00	6e-02	2e-02	8e-16	2e-03
5:	3.1470e+00	3.1469e+00	2e-02	5e-03	1e-15	4e-04
6:	3.1486e+00	3.1485e+00	8e-03	3e-03	6e-15	2e-04
7:	3.1508e+00	3.1508e+00	2e-04	5e-05	2e-15	4e-06
8:	3.1508e+00	3.1508e+00	2e-06	5e-07	4e-15	4e-08
9:	3.1508e+00	3.1508e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1910e+00	2.1880e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9491e+00	3.9481e+00	1e+00	4e-01	3e-15	3e-02
3:	4.3631e+00	4.3629e+00	2e-01	5e-02	2e-15	5e-03
4:	4.3896e+00	4.3895e+00	5e-02	1e-02	1e-14	1e-03
5:	4.4011e+00	4.4010e+00	4e-03	1e-03	5e-15	1e-04
6:	4.4023e+00	4.4023e+00	4e-05	1e-05	9e-16	1e-06
7:	4.4023e+00	4.4023e+00	4e-07	1e-07	1e-15	1e-08
8:	4.4023e+00	4.4023e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4624e+00	1.4606e+00	5e+00	2e+00	2e-16	1e-01

2:	2.5321e+00	2.5313e+00	2e+00	6e-01	2e-15	5e-02
3:	2.8926e+00	2.8923e+00	6e-01	2e-01	2e-15	1e-02
4:	2.9826e+00	2.9825e+00	9e-02	3e-02	3e-15	2e-03
5:	2.9980e+00	2.9979e+00	1e-02	4e-03	2e-15	3e-04
6:	3.0010e+00	3.0010e+00	4e-04	1e-04	5e-16	1e-05
7:	3.0011e+00	3.0011e+00	4e-06	1e-06	8e-16	1e-07
8:	3.0011e+00	3.0011e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.3538e-01	6.3357e-01	4e+00	1e+00	3e-16	1e-01
2:	1.7578e+00	1.7554e+00	1e+00	4e-01	9e-16	5e-02
3:	2.0797e+00	2.0786e+00	2e-01	7e-02	1e-15	8e-03
4:	2.0961e+00	2.0951e+00	1e-01	4e-02	4e-15	4e-03
5:	2.1288e+00	2.1286e+00	2e-02	7e-03	1e-15	6e-04
6:	2.1338e+00	2.1338e+00	7e-04	2e-04	3e-15	2e-05
7:	2.1339e+00	2.1339e+00	7e-06	2e-06	1e-15	2e-07
8:	2.1339e+00	2.1339e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1814e+00	2.1784e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9944e+00	3.9933e+00	1e+00	4e-01	1e-15	4e-02
3:	4.3754e+00	4.3752e+00	2e-01	5e-02	2e-15	4e-03
4:	4.4254e+00	4.4253e+00	2e-02	7e-03	5e-15	6e-04
5:	4.4308e+00	4.4308e+00	4e-04	1e-04	2e-14	1e-05
6:	4.4310e+00	4.4310e+00	4e-06	1e-06	5e-15	1e-07
7:	4.4310e+00	4.4310e+00	4e-08	1e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0731e+00	2.0728e+00	6e+00	2e+00	2e-16	1e-01
2:	3.1883e+00	3.1881e+00	2e+00	5e-01	3e-15	4e-02
3:	3.8201e+00	3.8201e+00	4e-01	1e-01	1e-15	9e-03
4:	3.8955e+00	3.8955e+00	7e-02	2e-02	1e-15	2e-03
5:	3.9071e+00	3.9071e+00	6e-03	2e-03	1e-14	1e-04
6:	3.9084e+00	3.9084e+00	6e-05	2e-05	1e-15	2e-06
7:	3.9084e+00	3.9084e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5400e+00	1.5371e+00	5e+00	1e+00	2e-16	2e-01
2:	3.4039e+00	3.4021e+00	1e+00	4e-01	1e-15	4e-02
3:	3.5525e+00	3.5515e+00	3e-01	8e-02	3e-15	8e-03
4:	3.6151e+00	3.6148e+00	5e-02	2e-02	8e-16	1e-03
5:	3.6270e+00	3.6269e+00	8e-03	3e-03	1e-15	2e-04
6:	3.6290e+00	3.6290e+00	1e-03	3e-04	6e-15	3e-05
7:	3.6292e+00	3.6292e+00	1e-05	3e-06	2e-14	3e-07



8: 3.6292e+00 3.6292e+00 1e-07 3e-08 1e-14 3e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4815e+00	1.4782e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6553e+00	2.6533e+00	2e+00	6e-01	9e-16	6e-02
3:	3.0304e+00	3.0299e+00	3e-01	9e-02	9e-16	8e-03
4:	3.0984e+00	3.0983e+00	5e-02	2e-02	2e-15	1e-03
5:	3.1107e+00	3.1107e+00	4e-03	1e-03	2e-15	1e-04
6:	3.1117e+00	3.1117e+00	5e-05	2e-05	1e-15	1e-06
7:	3.1117e+00	3.1117e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9525e+00	1.9543e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7138e+00	3.7145e+00	2e+00	5e-01	7e-16	4e-02
3:	4.0646e+00	4.0649e+00	5e-01	1e-01	8e-16	1e-02
4:	4.1172e+00	4.1174e+00	1e-01	4e-02	2e-15	3e-03
5:	4.1450e+00	4.1450e+00	3e-02	9e-03	7e-16	7e-04
6:	4.1507e+00	4.1507e+00	1e-03	3e-04	1e-15	2e-05
7:	4.1509e+00	4.1509e+00	1e-05	3e-06	9e-16	2e-07
8:	4.1509e+00	4.1509e+00	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2570e+00	1.2536e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7291e+00	2.7274e+00	1e+00	4e-01	1e-15	4e-02
3:	3.0048e+00	3.0042e+00	4e-01	1e-01	1e-15	1e-02
4:	3.0558e+00	3.0554e+00	1e-01	4e-02	1e-15	3e-03
5:	3.0863e+00	3.0862e+00	1e-02	5e-03	1e-15	4e-04
6:	3.0886e+00	3.0886e+00	2e-03	8e-04	9e-15	6e-05
7:	3.0893e+00	3.0893e+00	3e-05	8e-06	7e-16	7e-07
8:	3.0893e+00	3.0893e+00	3e-07	8e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2470e+00	3.2455e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2844e+00	5.2840e+00	1e+00	3e-01	1e-15	3e-02
3:	5.5085e+00	5.5084e+00	1e-01	3e-02	1e-15	3e-03
4:	5.5337e+00	5.5337e+00	8e-03	3e-03	3e-15	2e-04
5:	5.5354e+00	5.5354e+00	8e-05	3e-05	3e-15	2e-06
6:	5.5355e+00	5.5355e+00	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6257e+00	2.6267e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3316e+00	4.3320e+00	2e+00	6e-01	1e-15	4e-02
3:	4.6735e+00	4.6735e+00	3e-01	9e-02	1e-15	7e-03

4:	4.7226e+00	4.7226e+00	6e-02	2e-02	9e-16	1e-03
5:	4.7334e+00	4.7334e+00	9e-03	3e-03	9e-16	2e-04
6:	4.7347e+00	4.7347e+00	1e-04	4e-05	4e-15	3e-06
7:	4.7347e+00	4.7347e+00	1e-06	4e-07	2e-15	3e-08
8:	4.7347e+00	4.7347e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6103e+00	1.6071e+00	6e+00	2e+00	2e-16	2e-01
2:	3.1167e+00	3.1152e+00	1e+00	4e-01	1e-15	4e-02
3:	3.4825e+00	3.4820e+00	4e-01	1e-01	8e-16	1e-02
4:	3.5665e+00	3.5663e+00	1e-01	4e-02	9e-16	4e-03
5:	3.5881e+00	3.5880e+00	3e-02	9e-03	4e-15	7e-04
6:	3.5942e+00	3.5942e+00	4e-04	1e-04	4e-15	1e-05
7:	3.5943e+00	3.5943e+00	4e-06	1e-06	5e-15	1e-07
8:	3.5943e+00	3.5943e+00	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4486e+00	1.4453e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7747e+00	2.7735e+00	8e-01	2e-01	2e-15	2e-02
3:	2.9169e+00	2.9167e+00	1e-01	3e-02	9e-16	3e-03
4:	2.9450e+00	2.9449e+00	2e-02	5e-03	1e-15	5e-04
5:	2.9488e+00	2.9487e+00	6e-04	2e-04	1e-15	2e-05
6:	2.9489e+00	2.9489e+00	6e-06	2e-06	7e-16	2e-07
7:	2.9489e+00	2.9489e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9815e+00	2.9811e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5189e+00	4.5187e+00	2e+00	6e-01	2e-15	5e-02
3:	5.0307e+00	5.0307e+00	4e-01	1e-01	1e-15	1e-02
4:	5.1329e+00	5.1329e+00	1e-01	4e-02	1e-15	3e-03
5:	5.1559e+00	5.1559e+00	9e-03	3e-03	4e-15	2e-04
6:	5.1584e+00	5.1584e+00	1e-04	3e-05	1e-15	2e-06
7:	5.1584e+00	5.1584e+00	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7566e+00	2.7540e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0998e+00	5.0989e+00	1e+00	4e-01	3e-15	3e-02
3:	5.2916e+00	5.2912e+00	2e-01	7e-02	7e-15	6e-03
4:	5.3466e+00	5.3465e+00	7e-02	2e-02	3e-15	2e-03
5:	5.3599e+00	5.3599e+00	4e-03	1e-03	1e-15	1e-04
6:	5.3606e+00	5.3606e+00	4e-05	1e-05	3e-15	1e-06
7:	5.3606e+00	5.3606e+00	4e-07	1e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7721e+00	1.7690e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8722e+00	3.8705e+00	1e+00	5e-01	9e-16	4e-02
3:	4.0836e+00	4.0823e+00	4e-01	1e-01	3e-15	9e-03
4:	4.1723e+00	4.1721e+00	4e-02	1e-02	6e-16	1e-03
5:	4.1822e+00	4.1822e+00	1e-03	4e-04	1e-15	3e-05
6:	4.1824e+00	4.1824e+00	1e-05	4e-06	7e-16	3e-07
7:	4.1824e+00	4.1824e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6253e+00	2.6221e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9343e+00	4.9330e+00	1e+00	4e-01	4e-15	3e-02
3:	5.2896e+00	5.2893e+00	2e-01	6e-02	2e-15	5e-03
4:	5.3258e+00	5.3258e+00	2e-02	7e-03	2e-14	6e-04
5:	5.3303e+00	5.3303e+00	6e-04	2e-04	3e-14	2e-05
6:	5.3305e+00	5.3305e+00	6e-06	2e-06	1e-14	2e-07
7:	5.3305e+00	5.3305e+00	6e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8049e+00	1.8022e+00	5e+00	2e+00	2e-16	1e-01
2:	3.4028e+00	3.4018e+00	1e+00	3e-01	1e-15	3e-02
3:	3.6992e+00	3.6989e+00	2e-01	8e-02	1e-15	7e-03
4:	3.7347e+00	3.7346e+00	3e-02	1e-02	4e-15	9e-04
5:	3.7426e+00	3.7426e+00	6e-04	2e-04	9e-16	2e-05
6:	3.7428e+00	3.7428e+00	6e-06	2e-06	9e-16	2e-07
7:	3.7428e+00	3.7428e+00	6e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2416e+00	2.2426e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9607e+00	3.9610e+00	2e+00	5e-01	1e-15	4e-02
3:	4.2698e+00	4.2699e+00	2e-01	8e-02	9e-16	6e-03
4:	4.3226e+00	4.3227e+00	4e-02	1e-02	3e-15	9e-04
5:	4.3326e+00	4.3326e+00	7e-04	2e-04	1e-15	2e-05
6:	4.3328e+00	4.3328e+00	7e-06	2e-06	7e-16	2e-07
7:	4.3328e+00	4.3328e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8673e+00	2.8652e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8599e+00	4.8591e+00	1e+00	5e-01	4e-15	4e-02
3:	5.2629e+00	5.2626e+00	5e-01	1e-01	2e-15	1e-02
4:	5.4252e+00	5.4251e+00	9e-02	3e-02	2e-15	2e-03
5:	5.4356e+00	5.4356e+00	2e-02	6e-03	1e-14	5e-04
6:	5.4403e+00	5.4403e+00	2e-03	5e-04	2e-15	4e-05
7:	5.4407e+00	5.4407e+00	1e-04	4e-05	7e-16	4e-06

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8: 5.4408e+00 5.4408e+00 1e-06 4e-07 2e-15 4e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.3261e+00 3.3253e+00 7e+00 2e+00 2e-16 2e-01
2: 5.6125e+00 5.6123e+00 1e+00 4e-01 2e-15 4e-02
3: 5.8651e+00 5.8650e+00 3e-01 9e-02 2e-15 7e-03
4: 5.9597e+00 5.9597e+00 7e-02 2e-02 1e-15 2e-03
5: 5.9737e+00 5.9737e+00 3e-03 1e-03 1e-14 8e-05
6: 5.9745e+00 5.9745e+00 3e-05 1e-05 2e-15 8e-07
7: 5.9745e+00 5.9745e+00 3e-07 1e-07 1e-15 8e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.0241e+00 2.0207e+00 5e+00 2e+00 3e-16 2e-01
2: 3.9699e+00 3.9684e+00 1e+00 4e-01 2e-15 4e-02
3: 4.2493e+00 4.2488e+00 3e-01 8e-02 2e-15 8e-03
4: 4.2933e+00 4.2932e+00 4e-02 1e-02 3e-15 1e-03
5: 4.3037e+00 4.3037e+00 7e-04 2e-04 2e-15 2e-05
6: 4.3039e+00 4.3039e+00 7e-06 2e-06 1e-15 2e-07
7: 4.3039e+00 4.3039e+00 7e-08 2e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.9450e+00 1.9416e+00 5e+00 2e+00 2e-16 2e-01
2: 4.0749e+00 4.0733e+00 1e+00 4e-01 4e-15 4e-02
3: 4.3240e+00 4.3236e+00 2e-01 8e-02 1e-15 7e-03
4: 4.3593e+00 4.3592e+00 4e-02 1e-02 2e-15 1e-03
5: 4.3670e+00 4.3670e+00 1e-02 3e-03 1e-15 3e-04
6: 4.3685e+00 4.3685e+00 1e-03 4e-04 7e-15 3e-05
7: 4.3688e+00 4.3688e+00 1e-05 4e-06 1e-15 4e-07
8: 4.3688e+00 4.3688e+00 1e-07 4e-08 2e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.4946e+00 1.4921e+00 6e+00 2e+00 2e-16 2e-01
2: 2.4089e+00 2.4076e+00 2e+00 5e-01 3e-15 4e-02
3: 2.9013e+00 2.9010e+00 3e-01 9e-02 1e-15 8e-03
4: 2.9854e+00 2.9853e+00 2e-02 7e-03 8e-16 6e-04
5: 2.9903e+00 2.9903e+00 2e-03 5e-04 5e-15 4e-05
6: 2.9906e+00 2.9906e+00 6e-05 2e-05 1e-13 2e-06
7: 2.9906e+00 2.9906e+00 6e-07 2e-07 2e-14 2e-08
8: 2.9906e+00 2.9906e+00 6e-09 2e-09 3e-14 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 3.3826e+00 3.3795e+00 6e+00 2e+00 3e-16 2e-01
2: 5.5042e+00 5.5033e+00 1e+00 3e-01 3e-15 3e-02

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3:	5.6966e+00	5.6960e+00	2e-01	7e-02	1e-14	6e-03
4:	5.7561e+00	5.7560e+00	3e-02	8e-03	2e-15	7e-04
5:	5.7628e+00	5.7628e+00	2e-03	7e-04	2e-15	6e-05
6:	5.7634e+00	5.7634e+00	2e-05	8e-06	1e-15	6e-07
7:	5.7634e+00	5.7634e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8007e+00	1.8004e+00	5e+00	2e+00	2e-16	1e-01
2:	3.0073e+00	3.0072e+00	2e+00	5e-01	1e-15	4e-02
3:	3.3232e+00	3.3232e+00	2e-01	6e-02	2e-15	5e-03
4:	3.3845e+00	3.3845e+00	4e-02	1e-02	7e-16	1e-03
5:	3.3923e+00	3.3923e+00	6e-03	2e-03	3e-15	2e-04
6:	3.3939e+00	3.3939e+00	6e-05	2e-05	6e-16	2e-06
7:	3.3939e+00	3.3939e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1581e+00	2.1552e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8435e+00	3.8420e+00	2e+00	5e-01	1e-15	5e-02
3:	4.2297e+00	4.2290e+00	6e-01	2e-01	1e-15	2e-02
4:	4.3473e+00	4.3471e+00	1e-01	3e-02	2e-15	3e-03
5:	4.3720e+00	4.3720e+00	1e-02	4e-03	2e-15	4e-04
6:	4.3754e+00	4.3754e+00	5e-04	2e-04	4e-15	1e-05
7:	4.3756e+00	4.3756e+00	5e-06	2e-06	1e-15	1e-07
8:	4.3756e+00	4.3756e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0420e+00	2.0395e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6742e+00	3.6731e+00	1e+00	4e-01	3e-15	4e-02
3:	4.0254e+00	4.0250e+00	4e-01	1e-01	8e-16	1e-02
4:	4.1175e+00	4.1174e+00	8e-02	2e-02	1e-15	2e-03
5:	4.1337e+00	4.1337e+00	3e-03	9e-04	4e-15	8e-05
6:	4.1344e+00	4.1344e+00	3e-05	9e-06	1e-15	8e-07
7:	4.1344e+00	4.1344e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5658e+00	2.5627e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4858e+00	4.4842e+00	2e+00	5e-01	2e-15	5e-02
3:	4.9354e+00	4.9348e+00	4e-01	1e-01	2e-15	1e-02
4:	5.0358e+00	5.0356e+00	8e-02	2e-02	3e-15	2e-03
5:	5.0497e+00	5.0497e+00	1e-02	4e-03	5e-15	3e-04
6:	5.0533e+00	5.0533e+00	1e-03	3e-04	5e-15	3e-05
7:	5.0535e+00	5.0535e+00	1e-05	3e-06	4e-15	3e-07
8:	5.0535e+00	5.0535e+00	1e-07	3e-08	7e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3429e+00	2.3428e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5444e+00	4.5444e+00	2e+00	5e-01	9e-16	4e-02
3:	4.8692e+00	4.8692e+00	5e-01	1e-01	2e-15	1e-02
4:	4.9441e+00	4.9441e+00	8e-02	3e-02	2e-15	2e-03
5:	4.9645e+00	4.9645e+00	3e-03	9e-04	1e-15	7e-05
6:	4.9652e+00	4.9652e+00	3e-05	9e-06	7e-16	7e-07
7:	4.9652e+00	4.9652e+00	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1279e+00	1.1246e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5049e+00	2.5033e+00	1e+00	3e-01	1e-15	3e-02
3:	2.8018e+00	2.8014e+00	2e-01	6e-02	9e-16	6e-03
4:	2.8412e+00	2.8411e+00	2e-02	8e-03	5e-15	7e-04
5:	2.8482e+00	2.8482e+00	3e-04	8e-05	8e-16	7e-06
6:	2.8483e+00	2.8483e+00	3e-06	8e-07	7e-16	7e-08
7:	2.8483e+00	2.8483e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2356e+00	1.2326e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6728e+00	2.6710e+00	1e+00	4e-01	2e-15	5e-02
3:	2.7978e+00	2.7962e+00	5e-01	2e-01	9e-16	2e-02
4:	2.9669e+00	2.9663e+00	1e-01	4e-02	7e-16	3e-03
5:	2.9837e+00	2.9836e+00	2e-02	6e-03	1e-15	5e-04
6:	2.9886e+00	2.9886e+00	2e-04	7e-05	8e-16	6e-06
7:	2.9887e+00	2.9887e+00	2e-06	7e-07	8e-16	6e-08
8:	2.9887e+00	2.9887e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1654e+00	2.1629e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3956e+00	3.3949e+00	1e+00	4e-01	2e-15	4e-02
3:	3.6850e+00	3.6849e+00	2e-01	7e-02	1e-15	6e-03
4:	3.7416e+00	3.7415e+00	5e-02	2e-02	1e-15	1e-03
5:	3.7499e+00	3.7499e+00	9e-03	3e-03	2e-15	3e-04
6:	3.7523e+00	3.7523e+00	1e-03	5e-04	6e-16	4e-05
7:	3.7526e+00	3.7526e+00	2e-05	5e-06	9e-16	4e-07
8:	3.7526e+00	3.7526e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7717e+00	2.7707e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0223e+00	4.0216e+00	2e+00	8e-01	3e-15	6e-02
3:	5.0276e+00	5.0274e+00	5e-01	2e-01	1e-15	1e-02
4:	5.1136e+00	5.1136e+00	8e-02	3e-02	5e-15	2e-03

5:	5.1268e+00	5.1268e+00	2e-02	7e-03	4e-15	5e-04
6:	5.1319e+00	5.1319e+00	5e-03	2e-03	6e-15	1e-04
7:	5.1330e+00	5.1330e+00	7e-05	2e-05	2e-14	2e-06
8:	5.1330e+00	5.1330e+00	7e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.6878e-01	8.6543e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9273e+00	1.9256e+00	1e+00	4e-01	9e-16	4e-02
3:	2.1896e+00	2.1890e+00	3e-01	1e-01	6e-16	9e-03
4:	2.2753e+00	2.2752e+00	4e-02	1e-02	9e-16	1e-03
5:	2.2833e+00	2.2832e+00	3e-03	9e-04	6e-15	8e-05
6:	2.2839e+00	2.2839e+00	3e-05	9e-06	8e-16	8e-07
7:	2.2839e+00	2.2839e+00	3e-07	9e-08	9e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0191e+00	1.0167e+00	4e+00	1e+00	2e-16	2e-01
2:	2.7971e+00	2.7950e+00	1e+00	3e-01	7e-16	4e-02
3:	2.9712e+00	2.9697e+00	4e-01	1e-01	1e-15	1e-02
4:	3.0250e+00	3.0247e+00	6e-02	2e-02	4e-15	2e-03
5:	3.0359e+00	3.0357e+00	2e-02	5e-03	2e-15	5e-04
6:	3.0391e+00	3.0391e+00	3e-04	9e-05	2e-15	8e-06
7:	3.0392e+00	3.0392e+00	3e-06	9e-07	1e-15	8e-08
8:	3.0392e+00	3.0392e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3631e+00	2.3634e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0128e+00	4.0130e+00	2e+00	7e-01	2e-15	5e-02
3:	4.4730e+00	4.4731e+00	5e-01	1e-01	9e-16	1e-02
4:	4.5772e+00	4.5773e+00	1e-01	3e-02	5e-16	3e-03
5:	4.5936e+00	4.5936e+00	2e-03	7e-04	2e-15	5e-05
6:	4.5941e+00	4.5941e+00	2e-05	7e-06	8e-16	5e-07
7:	4.5941e+00	4.5941e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7008e+00	1.6977e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6898e+00	3.6881e+00	2e+00	5e-01	2e-15	5e-02
3:	4.0442e+00	4.0434e+00	3e-01	1e-01	1e-15	9e-03
4:	4.1059e+00	4.1057e+00	4e-02	1e-02	3e-15	1e-03
5:	4.1147e+00	4.1147e+00	4e-03	1e-03	3e-15	1e-04
6:	4.1155e+00	4.1155e+00	1e-03	3e-04	2e-15	3e-05
7:	4.1158e+00	4.1158e+00	1e-05	3e-06	3e-15	3e-07
8:	4.1158e+00	4.1158e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8302e-01	8.7985e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0385e+00	2.0367e+00	1e+00	4e-01	2e-15	4e-02
3:	2.3721e+00	2.3717e+00	2e-01	6e-02	8e-16	6e-03
4:	2.4261e+00	2.4260e+00	3e-02	1e-02	2e-15	1e-03
5:	2.4340e+00	2.4340e+00	7e-03	2e-03	6e-15	2e-04
6:	2.4351e+00	2.4351e+00	2e-03	6e-04	4e-14	5e-05
7:	2.4357e+00	2.4357e+00	3e-05	1e-05	8e-15	9e-07
8:	2.4357e+00	2.4357e+00	3e-07	1e-07	6e-15	9e-09
9:	2.4357e+00	2.4357e+00	3e-09	1e-09	5e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8869e+00	3.8858e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3923e+00	5.3919e+00	1e+00	3e-01	2e-15	3e-02
3:	5.6094e+00	5.6093e+00	2e-01	7e-02	1e-15	6e-03
4:	5.6663e+00	5.6663e+00	6e-02	2e-02	1e-15	1e-03
5:	5.6765e+00	5.6765e+00	1e-02	3e-03	2e-15	2e-04
6:	5.6793e+00	5.6793e+00	6e-04	2e-04	1e-15	2e-05
7:	5.6794e+00	5.6794e+00	6e-06	2e-06	6e-16	2e-07
8:	5.6794e+00	5.6794e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5015e-01	6.4762e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7703e+00	1.7682e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9266e+00	1.9256e+00	3e-01	9e-02	8e-16	9e-03
4:	1.9714e+00	1.9710e+00	8e-02	3e-02	8e-16	3e-03
5:	1.9861e+00	1.9860e+00	1e-02	4e-03	6e-16	4e-04
6:	1.9878e+00	1.9878e+00	3e-04	8e-05	2e-15	8e-06
7:	1.9878e+00	1.9878e+00	3e-06	8e-07	1e-15	8e-08
8:	1.9878e+00	1.9878e+00	3e-08	8e-09	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6485e+00	1.6451e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2685e+00	3.2671e+00	1e+00	4e-01	3e-15	3e-02
3:	3.5870e+00	3.5864e+00	3e-01	9e-02	1e-15	8e-03
4:	3.6535e+00	3.6534e+00	6e-02	2e-02	1e-15	2e-03
5:	3.6627e+00	3.6627e+00	3e-03	9e-04	1e-14	8e-05
6:	3.6634e+00	3.6634e+00	3e-05	9e-06	9e-15	8e-07
7:	3.6634e+00	3.6634e+00	3e-07	9e-08	4e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8809e+00	2.8823e+00	6e+00	2e+00	3e-16	2e-01
2:	5.0175e+00	5.0180e+00	1e+00	4e-01	1e-15	3e-02
3:	5.4705e+00	5.4706e+00	3e-01	9e-02	9e-16	7e-03



4:	5.5202e+00	5.5202e+00	9e-02	3e-02	3e-15	2e-03
5:	5.5394e+00	5.5394e+00	6e-03	2e-03	5e-15	2e-04
6:	5.5407e+00	5.5407e+00	9e-05	3e-05	2e-14	2e-06
7:	5.5407e+00	5.5407e+00	9e-07	3e-07	2e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4240e+00	2.4235e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0048e+00	4.0046e+00	1e+00	4e-01	3e-15	3e-02
3:	4.4099e+00	4.4098e+00	2e-01	8e-02	1e-15	6e-03
4:	4.4652e+00	4.4652e+00	5e-02	2e-02	5e-15	1e-03
5:	4.4782e+00	4.4782e+00	6e-03	2e-03	2e-14	1e-04
6:	4.4793e+00	4.4793e+00	2e-03	5e-04	6e-15	4e-05
7:	4.4797e+00	4.4797e+00	1e-04	3e-05	6e-16	3e-06
8:	4.4797e+00	4.4797e+00	1e-06	3e-07	5e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9553e+00	2.9528e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1252e+00	5.1243e+00	1e+00	5e-01	1e-15	4e-02
3:	5.4205e+00	5.4199e+00	4e-01	1e-01	8e-15	1e-02
4:	5.5256e+00	5.5254e+00	1e-01	4e-02	3e-15	3e-03
5:	5.5503e+00	5.5503e+00	1e-02	3e-03	1e-15	3e-04
6:	5.5516e+00	5.5516e+00	2e-03	8e-04	3e-14	6e-05
7:	5.5522e+00	5.5522e+00	3e-05	8e-06	2e-15	6e-07
8:	5.5522e+00	5.5522e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5457e+00	3.5451e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9960e+00	4.9958e+00	1e+00	3e-01	1e-15	3e-02
3:	5.3170e+00	5.3170e+00	3e-01	1e-01	2e-15	8e-03
4:	5.3925e+00	5.3925e+00	6e-02	2e-02	6e-15	1e-03
5:	5.4082e+00	5.4082e+00	5e-03	2e-03	8e-16	1e-04
6:	5.4093e+00	5.4093e+00	6e-05	2e-05	3e-15	1e-06
7:	5.4093e+00	5.4093e+00	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8320e+00	2.8296e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7913e+00	4.7903e+00	1e+00	5e-01	3e-15	4e-02
3:	5.2277e+00	5.2274e+00	3e-01	1e-01	3e-15	9e-03
4:	5.2863e+00	5.2862e+00	7e-02	2e-02	6e-15	2e-03
5:	5.3054e+00	5.3054e+00	2e-02	7e-03	6e-15	6e-04
6:	5.3091e+00	5.3091e+00	7e-03	2e-03	8e-15	2e-04
7:	5.3103e+00	5.3103e+00	2e-04	7e-05	2e-14	5e-06
8:	5.3103e+00	5.3103e+00	2e-06	7e-07	8e-15	5e-08
9:	5.3103e+00	5.3103e+00	2e-08	7e-09	8e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0301e+00	2.0268e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1892e+00	4.1878e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3278e+00	4.3267e+00	4e-01	1e-01	4e-15	1e-02
4:	4.4343e+00	4.4341e+00	9e-02	3e-02	1e-15	2e-03
5:	4.4605e+00	4.4605e+00	5e-03	2e-03	2e-15	1e-04
6:	4.4621e+00	4.4621e+00	5e-05	2e-05	7e-16	1e-06
7:	4.4621e+00	4.4621e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3510e+00	1.3476e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8640e+00	2.8621e+00	2e+00	5e-01	8e-16	5e-02
3:	3.2456e+00	3.2449e+00	4e-01	1e-01	5e-16	1e-02
4:	3.3368e+00	3.3366e+00	9e-02	3e-02	8e-16	3e-03
5:	3.3501e+00	3.3500e+00	1e-02	3e-03	6e-15	3e-04
6:	3.3528e+00	3.3528e+00	1e-04	4e-05	1e-15	3e-06
7:	3.3528e+00	3.3528e+00	1e-06	4e-07	1e-15	3e-08
8:	3.3528e+00	3.3528e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8096e+00	1.8083e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8407e+00	2.8403e+00	1e+00	4e-01	2e-15	3e-02
3:	3.3120e+00	3.3118e+00	3e-01	9e-02	2e-15	7e-03
4:	3.3556e+00	3.3555e+00	6e-02	2e-02	2e-15	2e-03
5:	3.3726e+00	3.3726e+00	3e-03	1e-03	2e-15	8e-05
6:	3.3733e+00	3.3733e+00	3e-05	1e-05	2e-15	8e-07
7:	3.3733e+00	3.3733e+00	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9489e+00	2.9469e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7855e+00	4.7847e+00	1e+00	5e-01	2e-15	4e-02
3:	5.1824e+00	5.1819e+00	6e-01	2e-01	2e-15	2e-02
4:	5.2777e+00	5.2775e+00	1e-01	4e-02	3e-15	3e-03
5:	5.3148e+00	5.3148e+00	9e-03	3e-03	1e-15	2e-04
6:	5.3166e+00	5.3165e+00	2e-03	5e-04	5e-14	4e-05
7:	5.3169e+00	5.3169e+00	2e-05	5e-06	2e-15	4e-07
8:	5.3169e+00	5.3169e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9736e+00	1.9705e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3870e+00	3.3856e+00	1e+00	4e-01	2e-15	4e-02
3:	3.7842e+00	3.7837e+00	3e-01	1e-01	2e-15	1e-02

4:	3.8536e+00	3.8535e+00	6e-02	2e-02	1e-15	2e-03
5:	3.8706e+00	3.8706e+00	9e-03	3e-03	8e-16	2e-04
6:	3.8725e+00	3.8725e+00	1e-04	3e-05	5e-15	3e-06
7:	3.8725e+00	3.8725e+00	1e-06	3e-07	4e-15	3e-08
8:	3.8725e+00	3.8725e+00	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	9.6736e-01	9.6512e-01	4e+00	1e+00	2e-16	2e-01
2:	2.7526e+00	2.7505e+00	9e-01	3e-01	1e-15	3e-02
3:	2.8894e+00	2.8879e+00	2e-01	7e-02	1e-15	7e-03
4:	2.9278e+00	2.9275e+00	4e-02	1e-02	9e-16	1e-03
5:	2.9367e+00	2.9367e+00	2e-03	6e-04	2e-15	6e-05
6:	2.9370e+00	2.9370e+00	2e-05	6e-06	1e-14	6e-07
7:	2.9370e+00	2.9370e+00	2e-07	6e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1945e+00	3.1943e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7606e+00	5.7605e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9435e+00	5.9435e+00	3e-01	1e-01	2e-15	9e-03
4:	5.9979e+00	5.9979e+00	1e-02	4e-03	1e-15	3e-04
5:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	6.0000e+00	6.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	6.0000e+00	6.0000e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7781e+00	1.7747e+00	5e+00	2e+00	3e-16	2e-01
2:	3.9073e+00	3.9056e+00	1e+00	4e-01	8e-16	3e-02
3:	4.1499e+00	4.1492e+00	3e-01	1e-01	1e-15	9e-03
4:	4.2095e+00	4.2094e+00	4e-02	1e-02	1e-15	1e-03
5:	4.2151e+00	4.2151e+00	2e-03	7e-04	1e-14	6e-05
6:	4.2156e+00	4.2156e+00	2e-05	7e-06	3e-15	6e-07
7:	4.2156e+00	4.2156e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4426e+00	2.4412e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0951e+00	4.0946e+00	2e+00	5e-01	2e-15	4e-02
3:	4.2989e+00	4.2988e+00	3e-01	9e-02	2e-15	8e-03
4:	4.3931e+00	4.3931e+00	6e-02	2e-02	1e-15	2e-03
5:	4.4021e+00	4.4021e+00	9e-03	3e-03	4e-15	2e-04
6:	4.4043e+00	4.4043e+00	2e-04	6e-05	7e-16	5e-06
7:	4.4043e+00	4.4043e+00	2e-06	6e-07	9e-16	5e-08
8:	4.4043e+00	4.4043e+00	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3029e+00	2.2997e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9709e+00	3.9700e+00	9e-01	3e-01	3e-15	3e-02
3:	4.3669e+00	4.3665e+00	2e-01	7e-02	1e-15	6e-03
4:	4.4086e+00	4.4086e+00	3e-02	9e-03	7e-15	7e-04
5:	4.4149e+00	4.4149e+00	1e-03	4e-04	6e-15	3e-05
6:	4.4152e+00	4.4152e+00	1e-05	4e-06	1e-14	3e-07
7:	4.4152e+00	4.4152e+00	1e-07	4e-08	8e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8708e+00	2.8689e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6352e+00	4.6347e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9683e+00	4.9681e+00	3e-01	9e-02	1e-15	7e-03
4:	5.0375e+00	5.0375e+00	4e-02	1e-02	2e-15	1e-03
5:	5.0478e+00	5.0478e+00	8e-04	2e-04	3e-15	2e-05
6:	5.0480e+00	5.0480e+00	8e-06	2e-06	2e-15	2e-07
7:	5.0480e+00	5.0480e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.5889e-01	9.5624e-01	5e+00	1e+00	2e-16	2e-01
2:	2.5140e+00	2.5120e+00	1e+00	4e-01	7e-16	4e-02
3:	2.7211e+00	2.7198e+00	3e-01	9e-02	2e-15	9e-03
4:	2.7858e+00	2.7856e+00	4e-02	1e-02	7e-16	1e-03
5:	2.7934e+00	2.7934e+00	4e-03	1e-03	5e-15	1e-04
6:	2.7946e+00	2.7946e+00	4e-05	1e-05	9e-16	1e-06
7:	2.7946e+00	2.7946e+00	4e-07	1e-07	7e-16	1e-08
8:	2.7946e+00	2.7946e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1859e+00	2.1829e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9423e+00	3.9406e+00	2e+00	5e-01	4e-15	5e-02
3:	4.3274e+00	4.3269e+00	3e-01	1e-01	1e-15	1e-02
4:	4.3872e+00	4.3870e+00	1e-01	4e-02	1e-14	3e-03
5:	4.4288e+00	4.4288e+00	7e-03	2e-03	8e-16	2e-04
6:	4.4306e+00	4.4306e+00	7e-05	2e-05	8e-16	2e-06
7:	4.4306e+00	4.4306e+00	7e-07	2e-07	7e-16	2e-08
8:	4.4306e+00	4.4306e+00	7e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1395e+00	2.1362e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7367e+00	3.7350e+00	2e+00	5e-01	3e-15	5e-02
3:	3.8867e+00	3.8850e+00	4e-01	1e-01	1e-14	1e-02
4:	3.9935e+00	3.9931e+00	7e-02	2e-02	3e-15	2e-03
5:	4.0086e+00	4.0085e+00	7e-03	2e-03	2e-15	2e-04

6:	4.0100e+00	4.0100e+00	7e-05	2e-05	5e-16	2e-06
7:	4.0100e+00	4.0100e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7564e+00	2.7581e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2089e+00	5.2096e+00	1e+00	5e-01	4e-15	4e-02
3:	5.5143e+00	5.5146e+00	5e-01	2e-01	2e-15	1e-02
4:	5.5947e+00	5.5948e+00	9e-02	3e-02	2e-15	2e-03
5:	5.6144e+00	5.6144e+00	1e-02	3e-03	4e-15	3e-04
6:	5.6162e+00	5.6162e+00	1e-03	4e-04	6e-14	3e-05
7:	5.6165e+00	5.6165e+00	1e-05	4e-06	7e-15	3e-07
8:	5.6165e+00	5.6165e+00	1e-07	4e-08	6e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5040e+00	2.5019e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0845e+00	4.0837e+00	1e+00	4e-01	2e-15	4e-02
3:	4.3701e+00	4.3697e+00	3e-01	1e-01	2e-15	8e-03
4:	4.4546e+00	4.4546e+00	4e-02	1e-02	1e-15	1e-03
5:	4.4630e+00	4.4630e+00	1e-02	4e-03	1e-14	3e-04
6:	4.4666e+00	4.4666e+00	1e-04	5e-05	1e-15	4e-06
7:	4.4667e+00	4.4667e+00	1e-06	5e-07	5e-15	4e-08
8:	4.4667e+00	4.4667e+00	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3979e+00	2.3949e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1327e+00	4.1313e+00	1e+00	5e-01	4e-15	4e-02
3:	4.5011e+00	4.5006e+00	4e-01	1e-01	3e-15	1e-02
4:	4.5931e+00	4.5931e+00	5e-02	2e-02	3e-15	1e-03
5:	4.5992e+00	4.5992e+00	3e-03	9e-04	1e-14	7e-05
6:	4.5998e+00	4.5998e+00	6e-04	2e-04	3e-15	2e-05
7:	4.5999e+00	4.5999e+00	6e-06	2e-06	4e-15	2e-07
8:	4.5999e+00	4.5999e+00	6e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5473e+00	2.5458e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8753e+00	4.8748e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9610e+00	4.9608e+00	3e-01	1e-01	3e-15	9e-03
4:	5.0566e+00	5.0566e+00	3e-02	1e-02	8e-16	8e-04
5:	5.0630e+00	5.0630e+00	2e-03	6e-04	3e-15	5e-05
6:	5.0635e+00	5.0635e+00	2e-05	6e-06	6e-16	5e-07
7:	5.0635e+00	5.0635e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.4488e+00	2.4494e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6268e+00	4.6271e+00	1e+00	4e-01	8e-16	3e-02
3:	4.7544e+00	4.7545e+00	4e-01	1e-01	1e-15	1e-02
4:	4.8273e+00	4.8273e+00	1e-01	3e-02	1e-15	2e-03
5:	4.8419e+00	4.8419e+00	1e-02	4e-03	1e-15	3e-04
6:	4.8446e+00	4.8446e+00	2e-04	7e-05	8e-16	5e-06
7:	4.8447e+00	4.8447e+00	2e-06	7e-07	9e-16	5e-08
8:	4.8447e+00	4.8447e+00	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8938e+00	3.8913e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3780e+00	6.3769e+00	2e+00	5e-01	1e-15	4e-02
3:	6.8909e+00	6.8906e+00	2e-01	7e-02	4e-15	6e-03
4:	6.9179e+00	6.9178e+00	8e-02	3e-02	2e-14	2e-03
5:	6.9386e+00	6.9386e+00	1e-02	4e-03	6e-15	3e-04
6:	6.9408e+00	6.9408e+00	2e-03	5e-04	1e-13	4e-05
7:	6.9412e+00	6.9412e+00	2e-05	5e-06	4e-15	4e-07
8:	6.9412e+00	6.9412e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2497e+00	3.2518e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2094e+00	5.2102e+00	2e+00	6e-01	1e-15	4e-02
3:	5.5721e+00	5.5724e+00	5e-01	2e-01	1e-15	1e-02
4:	5.7153e+00	5.7154e+00	1e-01	4e-02	2e-15	3e-03
5:	5.7418e+00	5.7418e+00	2e-03	8e-04	4e-15	6e-05
6:	5.7425e+00	5.7425e+00	2e-05	8e-06	1e-15	6e-07
7:	5.7425e+00	5.7425e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7439e+00	3.7421e+00	6e+00	2e+00	2e-16	1e-01
2:	5.4313e+00	5.4304e+00	2e+00	5e-01	3e-15	4e-02
3:	5.7920e+00	5.7916e+00	4e-01	1e-01	3e-15	1e-02
4:	5.9097e+00	5.9096e+00	9e-02	3e-02	1e-15	2e-03
5:	5.9319e+00	5.9319e+00	1e-03	3e-04	1e-15	3e-05
6:	5.9321e+00	5.9321e+00	1e-05	3e-06	1e-15	3e-07
7:	5.9321e+00	5.9321e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0962e+00	4.0945e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7911e+00	5.7903e+00	1e+00	5e-01	3e-15	4e-02
3:	6.1519e+00	6.1516e+00	5e-01	2e-01	2e-15	1e-02
4:	6.2486e+00	6.2485e+00	7e-02	2e-02	2e-15	2e-03
5:	6.2691e+00	6.2691e+00	8e-03	3e-03	1e-15	2e-04
6:	6.2708e+00	6.2708e+00	8e-05	3e-05	1e-15	2e-06

7:	6.2708e+00	6.2708e+00	8e-07	3e-07	2e-15	2e-08
8:	6.2708e+00	6.2708e+00	8e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9429e+00	2.9426e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8419e+00	4.8418e+00	1e+00	5e-01	2e-15	4e-02
3:	5.2849e+00	5.2849e+00	3e-01	8e-02	1e-15	7e-03
4:	5.3402e+00	5.3402e+00	3e-02	1e-02	2e-15	8e-04
5:	5.3491e+00	5.3491e+00	9e-04	3e-04	2e-15	2e-05
6:	5.3493e+00	5.3493e+00	9e-06	3e-06	1e-15	2e-07
7:	5.3493e+00	5.3493e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8707e+00	2.8674e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9630e+00	4.9614e+00	1e+00	4e-01	2e-15	4e-02
3:	5.2614e+00	5.2610e+00	2e-01	6e-02	5e-15	5e-03
4:	5.3008e+00	5.3007e+00	1e-02	3e-03	4e-15	3e-04
5:	5.3038e+00	5.3038e+00	2e-03	5e-04	7e-16	4e-05
6:	5.3041e+00	5.3041e+00	3e-04	1e-04	2e-15	8e-06
7:	5.3042e+00	5.3042e+00	3e-06	1e-06	1e-15	8e-08
8:	5.3042e+00	5.3042e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0413e+00	1.0384e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4684e+00	2.4664e+00	1e+00	4e-01	3e-15	4e-02
3:	2.7589e+00	2.7579e+00	4e-01	1e-01	7e-16	1e-02
4:	2.8217e+00	2.8213e+00	9e-02	3e-02	2e-15	3e-03
5:	2.8402e+00	2.8401e+00	1e-02	4e-03	4e-15	4e-04
6:	2.8425e+00	2.8425e+00	1e-04	5e-05	4e-15	4e-06
7:	2.8425e+00	2.8425e+00	1e-06	5e-07	3e-15	4e-08
8:	2.8425e+00	2.8425e+00	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5603e+00	2.5584e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0397e+00	5.0387e+00	2e+00	5e-01	1e-15	5e-02
3:	5.3434e+00	5.3429e+00	5e-01	2e-01	1e-15	1e-02
4:	5.4454e+00	5.4452e+00	1e-01	4e-02	3e-15	3e-03
5:	5.4650e+00	5.4650e+00	2e-02	5e-03	3e-15	4e-04
6:	5.4687e+00	5.4687e+00	1e-03	5e-04	8e-16	4e-05
7:	5.4690e+00	5.4690e+00	2e-05	7e-06	1e-14	6e-07
8:	5.4690e+00	5.4690e+00	2e-07	7e-08	8e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	2.1307e+00	2.1276e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6872e+00	3.6858e+00	2e+00	5e-01	2e-15	5e-02
3:	4.0121e+00	4.0116e+00	3e-01	1e-01	3e-15	1e-02
4:	4.1289e+00	4.1288e+00	1e-01	3e-02	2e-15	3e-03
5:	4.1398e+00	4.1396e+00	4e-02	1e-02	6e-15	1e-03
6:	4.1521e+00	4.1521e+00	7e-03	2e-03	2e-15	2e-04
7:	4.1537e+00	4.1537e+00	1e-04	3e-05	2e-15	3e-06
8:	4.1537e+00	4.1537e+00	1e-06	3e-07	4e-15	3e-08
9:	4.1537e+00	4.1537e+00	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3582e+00	2.3549e+00	5e+00	2e+00	2e-16	2e-01
2:	4.4671e+00	4.4656e+00	1e+00	4e-01	2e-15	4e-02
3:	4.8480e+00	4.8477e+00	2e-01	7e-02	1e-15	6e-03
4:	4.8963e+00	4.8962e+00	4e-02	1e-02	1e-14	1e-03
5:	4.9007e+00	4.9007e+00	8e-03	3e-03	2e-14	2e-04
6:	4.9030e+00	4.9030e+00	3e-04	1e-04	2e-15	9e-06
7:	4.9031e+00	4.9031e+00	3e-06	1e-06	6e-15	9e-08
8:	4.9031e+00	4.9031e+00	3e-08	1e-08	7e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8336e+00	2.8355e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8431e+00	3.8436e+00	1e+00	3e-01	3e-15	2e-02
3:	4.1880e+00	4.1880e+00	1e-01	4e-02	5e-16	3e-03
4:	4.2287e+00	4.2287e+00	1e-02	4e-03	1e-15	3e-04
5:	4.2314e+00	4.2314e+00	1e-03	4e-04	2e-14	3e-05
6:	4.2317e+00	4.2317e+00	2e-04	7e-05	3e-15	6e-06
7:	4.2318e+00	4.2318e+00	4e-05	1e-05	2e-15	1e-06
8:	4.2318e+00	4.2318e+00	4e-07	1e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5323e+00	2.5293e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8256e+00	4.8245e+00	1e+00	4e-01	2e-15	3e-02
3:	5.0768e+00	5.0763e+00	4e-01	1e-01	2e-15	1e-02
4:	5.1620e+00	5.1618e+00	8e-02	3e-02	7e-15	2e-03
5:	5.1749e+00	5.1749e+00	1e-02	4e-03	7e-15	3e-04
6:	5.1776e+00	5.1776e+00	1e-04	4e-05	3e-15	3e-06
7:	5.1777e+00	5.1777e+00	1e-06	4e-07	2e-15	3e-08
8:	5.1777e+00	5.1777e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9363e+00	1.9399e+00	6e+00	2e+00	3e-16	1e-01
2:	3.4041e+00	3.4053e+00	2e+00	5e-01	8e-16	4e-02
3:	3.6554e+00	3.6557e+00	3e-01	1e-01	2e-15	8e-03



4:	3.7334e+00	3.7335e+00	4e-02	1e-02	5e-16	1e-03
5:	3.7452e+00	3.7452e+00	3e-03	1e-03	3e-15	8e-05
6:	3.7459e+00	3.7459e+00	4e-05	1e-05	8e-15	9e-07
7:	3.7459e+00	3.7459e+00	4e-07	1e-07	6e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1034e+00	1.1002e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6544e+00	2.6526e+00	1e+00	3e-01	2e-15	3e-02
3:	2.8180e+00	2.8166e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9418e+00	2.9414e+00	9e-02	3e-02	8e-16	3e-03
5:	2.9545e+00	2.9543e+00	3e-02	9e-03	8e-15	8e-04
6:	2.9607e+00	2.9607e+00	6e-03	2e-03	1e-14	2e-04
7:	2.9618e+00	2.9617e+00	2e-03	5e-04	5e-14	4e-05
8:	2.9622e+00	2.9622e+00	2e-05	5e-06	4e-15	4e-07
9:	2.9622e+00	2.9622e+00	2e-07	5e-08	6e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1806e+00	3.1790e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9700e+00	4.9694e+00	2e+00	5e-01	2e-15	4e-02
3:	5.3532e+00	5.3529e+00	5e-01	2e-01	3e-15	1e-02
4:	5.5308e+00	5.5307e+00	1e-01	4e-02	1e-15	3e-03
5:	5.5632e+00	5.5631e+00	3e-02	9e-03	1e-14	7e-04
6:	5.5705e+00	5.5705e+00	6e-04	2e-04	7e-15	2e-05
7:	5.5707e+00	5.5707e+00	6e-06	2e-06	3e-15	2e-07
8:	5.5707e+00	5.5707e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9533e+00	2.9542e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6432e+00	4.6435e+00	2e+00	6e-01	1e-15	5e-02
3:	5.0941e+00	5.0943e+00	5e-01	2e-01	2e-15	1e-02
4:	5.2110e+00	5.2110e+00	8e-02	3e-02	2e-15	2e-03
5:	5.2266e+00	5.2266e+00	1e-02	3e-03	8e-15	2e-04
6:	5.2292e+00	5.2292e+00	1e-04	3e-05	1e-15	2e-06
7:	5.2292e+00	5.2292e+00	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3392e+00	2.3364e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4201e+00	4.4188e+00	1e+00	4e-01	2e-15	3e-02
3:	4.6722e+00	4.6717e+00	2e-01	6e-02	3e-15	5e-03
4:	4.7182e+00	4.7181e+00	2e-02	7e-03	6e-16	5e-04
5:	4.7218e+00	4.7218e+00	2e-04	7e-05	1e-15	6e-06
6:	4.7219e+00	4.7219e+00	2e-06	7e-07	7e-16	6e-08
7:	4.7219e+00	4.7219e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9048e+00	2.9025e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4601e+00	4.4592e+00	1e+00	5e-01	2e-15	4e-02
3:	5.0248e+00	5.0246e+00	3e-01	9e-02	9e-16	8e-03
4:	5.0659e+00	5.0657e+00	1e-01	4e-02	2e-14	3e-03
5:	5.0938e+00	5.0938e+00	2e-02	7e-03	4e-15	6e-04
6:	5.1012e+00	5.1012e+00	6e-04	2e-04	9e-16	2e-05
7:	5.1014e+00	5.1014e+00	6e-06	2e-06	2e-15	2e-07
8:	5.1014e+00	5.1014e+00	6e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5652e+00	2.5636e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1844e+00	4.1836e+00	2e+00	7e-01	2e-15	6e-02
3:	4.7417e+00	4.7413e+00	5e-01	2e-01	1e-15	1e-02
4:	4.8925e+00	4.8924e+00	1e-01	3e-02	9e-16	3e-03
5:	4.9035e+00	4.9035e+00	3e-02	1e-02	1e-14	8e-04
6:	4.9113e+00	4.9113e+00	2e-03	6e-04	1e-15	5e-05
7:	4.9116e+00	4.9116e+00	2e-05	7e-06	9e-15	5e-07
8:	4.9116e+00	4.9116e+00	2e-07	7e-08	5e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0111e+00	3.0085e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8494e+00	4.8483e+00	2e+00	5e-01	2e-15	4e-02
3:	5.1861e+00	5.1858e+00	3e-01	1e-01	2e-15	8e-03
4:	5.2467e+00	5.2466e+00	9e-02	3e-02	2e-15	2e-03
5:	5.2695e+00	5.2695e+00	2e-02	8e-03	5e-15	7e-04
6:	5.2740e+00	5.2740e+00	9e-04	3e-04	1e-14	2e-05
7:	5.2742e+00	5.2742e+00	9e-06	3e-06	2e-15	2e-07
8:	5.2742e+00	5.2742e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6098e+00	2.6074e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9970e+00	3.9962e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3551e+00	4.3549e+00	2e-01	7e-02	1e-15	6e-03
4:	4.4075e+00	4.4073e+00	1e-01	3e-02	1e-15	3e-03
5:	4.4427e+00	4.4427e+00	2e-02	6e-03	2e-15	5e-04
6:	4.4458e+00	4.4458e+00	6e-03	2e-03	3e-14	2e-04
7:	4.4478e+00	4.4478e+00	2e-04	6e-05	4e-15	5e-06
8:	4.4478e+00	4.4478e+00	2e-06	6e-07	6e-15	5e-08
9:	4.4478e+00	4.4478e+00	2e-08	6e-09	7e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0128e+00	3.0142e+00	6e+00	2e+00	3e-16	1e-01

2:	5.2578e+00	5.2584e+00	2e+00	6e-01	1e-15	5e-02
3:	5.6008e+00	5.6010e+00	4e-01	1e-01	3e-15	9e-03
4:	5.6807e+00	5.6807e+00	2e-02	8e-03	2e-15	6e-04
5:	5.6875e+00	5.6875e+00	5e-03	1e-03	2e-15	1e-04
6:	5.6888e+00	5.6888e+00	4e-04	1e-04	2e-15	1e-05
7:	5.6889e+00	5.6889e+00	4e-06	1e-06	1e-15	1e-07
8:	5.6889e+00	5.6889e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0769e+00	2.0738e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6639e+00	3.6629e+00	8e-01	3e-01	3e-15	2e-02
3:	3.8419e+00	3.8417e+00	2e-01	5e-02	1e-15	4e-03
4:	3.8977e+00	3.8976e+00	3e-02	1e-02	1e-15	8e-04
5:	3.9057e+00	3.9057e+00	1e-03	4e-04	2e-15	3e-05
6:	3.9060e+00	3.9060e+00	8e-05	2e-05	2e-14	2e-06
7:	3.9060e+00	3.9060e+00	8e-07	3e-07	7e-14	2e-08
8:	3.9060e+00	3.9060e+00	8e-09	3e-09	1e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5603e+00	2.5570e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4034e+00	4.4022e+00	1e+00	4e-01	3e-15	4e-02
3:	4.6324e+00	4.6319e+00	3e-01	1e-01	4e-15	9e-03
4:	4.7624e+00	4.7622e+00	6e-02	2e-02	1e-15	2e-03
5:	4.7735e+00	4.7734e+00	6e-03	2e-03	1e-14	2e-04
6:	4.7747e+00	4.7747e+00	1e-03	4e-04	4e-15	3e-05
7:	4.7750e+00	4.7750e+00	5e-05	2e-05	4e-16	1e-06
8:	4.7750e+00	4.7750e+00	5e-07	2e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8514e+00	2.8484e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4993e+00	4.4976e+00	2e+00	6e-01	2e-15	5e-02
3:	4.8330e+00	4.8324e+00	3e-01	1e-01	3e-15	9e-03
4:	4.9286e+00	4.9284e+00	6e-02	2e-02	1e-15	2e-03
5:	4.9420e+00	4.9420e+00	1e-02	4e-03	3e-15	3e-04
6:	4.9450e+00	4.9450e+00	2e-03	8e-04	6e-15	6e-05
7:	4.9455e+00	4.9455e+00	2e-04	5e-05	4e-14	4e-06
8:	4.9455e+00	4.9455e+00	2e-06	5e-07	6e-15	4e-08
9:	4.9455e+00	4.9455e+00	2e-08	5e-09	5e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3841e+00	2.3833e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8921e+00	3.8917e+00	2e+00	5e-01	2e-15	4e-02
3:	4.2216e+00	4.2215e+00	4e-01	1e-01	8e-16	1e-02
4:	4.2894e+00	4.2894e+00	4e-02	1e-02	1e-15	1e-03

5:	4.2997e+00	4.2997e+00	6e-03	2e-03	6e-16	1e-04
6:	4.3011e+00	4.3011e+00	1e-03	4e-04	3e-15	3e-05
7:	4.3013e+00	4.3013e+00	4e-05	1e-05	1e-14	1e-06
8:	4.3013e+00	4.3013e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1356e+00	3.1401e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8741e+00	4.8753e+00	1e+00	4e-01	1e-15	3e-02
3:	5.2766e+00	5.2772e+00	4e-01	1e-01	3e-15	1e-02
4:	5.3290e+00	5.3293e+00	1e-01	4e-02	8e-15	3e-03
5:	5.3608e+00	5.3608e+00	2e-02	5e-03	2e-15	4e-04
6:	5.3650e+00	5.3650e+00	2e-03	7e-04	1e-15	6e-05
7:	5.3656e+00	5.3656e+00	2e-05	8e-06	1e-15	6e-07
8:	5.3656e+00	5.3656e+00	2e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4155e+00	2.4175e+00	5e+00	1e+00	2e-16	1e-01
2:	3.5537e+00	3.5543e+00	1e+00	3e-01	2e-15	2e-02
3:	3.7766e+00	3.7767e+00	1e-01	4e-02	2e-15	3e-03
4:	3.7971e+00	3.7971e+00	1e-02	4e-03	2e-15	3e-04
5:	3.8006e+00	3.8006e+00	3e-04	1e-04	8e-16	8e-06
6:	3.8007e+00	3.8007e+00	3e-06	1e-06	1e-15	8e-08
7:	3.8007e+00	3.8007e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4111e+00	3.4145e+00	7e+00	2e+00	2e-16	2e-01
2:	5.4924e+00	5.4935e+00	2e+00	5e-01	2e-15	4e-02
3:	5.8493e+00	5.8497e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9649e+00	5.9649e+00	3e-02	9e-03	2e-15	7e-04
5:	5.9736e+00	5.9736e+00	3e-04	9e-05	9e-16	7e-06
6:	5.9737e+00	5.9737e+00	3e-06	9e-07	5e-16	7e-08
7:	5.9737e+00	5.9737e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7621e+00	2.7599e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4063e+00	4.4057e+00	1e+00	4e-01	3e-15	3e-02
3:	4.7840e+00	4.7837e+00	4e-01	1e-01	3e-15	1e-02
4:	4.8792e+00	4.8792e+00	5e-02	2e-02	3e-15	1e-03
5:	4.8931e+00	4.8931e+00	2e-03	6e-04	3e-15	5e-05
6:	4.8935e+00	4.8935e+00	2e-05	7e-06	1e-14	5e-07
7:	4.8935e+00	4.8935e+00	2e-07	7e-08	9e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	1.5217e+00	1.5190e+00	5e+00	1e+00	2e-16	2e-01
2:	3.3595e+00	3.3576e+00	1e+00	3e-01	2e-15	4e-02
3:	3.5574e+00	3.5570e+00	1e-01	4e-02	2e-15	4e-03
4:	3.5867e+00	3.5867e+00	4e-03	1e-03	3e-15	1e-04
5:	3.5878e+00	3.5878e+00	4e-05	1e-05	6e-16	1e-06
6:	3.5878e+00	3.5878e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1846e+00	3.1837e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2606e+00	5.2603e+00	1e+00	4e-01	2e-15	4e-02
3:	5.6262e+00	5.6261e+00	3e-01	8e-02	8e-16	7e-03
4:	5.6813e+00	5.6812e+00	5e-02	2e-02	6e-15	1e-03
5:	5.6930e+00	5.6930e+00	6e-03	2e-03	7e-15	2e-04
6:	5.6947e+00	5.6947e+00	7e-05	2e-05	9e-16	2e-06
7:	5.6947e+00	5.6947e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8902e+00	3.8907e+00	6e+00	2e+00	2e-16	1e-01
2:	6.3405e+00	6.3407e+00	9e-01	3e-01	9e-16	2e-02
3:	6.5001e+00	6.5001e+00	2e-01	5e-02	5e-15	4e-03
4:	6.5494e+00	6.5494e+00	3e-02	1e-02	2e-15	8e-04
5:	6.5560e+00	6.5560e+00	3e-03	8e-04	5e-14	7e-05
6:	6.5568e+00	6.5568e+00	3e-05	9e-06	6e-15	7e-07
7:	6.5568e+00	6.5568e+00	3e-07	9e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0364e+00	2.0341e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0536e+00	4.0528e+00	1e+00	3e-01	1e-15	3e-02
3:	4.3842e+00	4.3841e+00	1e-01	4e-02	1e-15	3e-03
4:	4.4140e+00	4.4139e+00	3e-02	1e-02	8e-15	8e-04
5:	4.4208e+00	4.4208e+00	3e-03	9e-04	7e-15	7e-05
6:	4.4216e+00	4.4216e+00	3e-05	9e-06	2e-15	7e-07
7:	4.4216e+00	4.4216e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7321e+00	2.7287e+00	5e+00	2e+00	2e-16	2e-01
2:	5.0655e+00	5.0642e+00	1e+00	4e-01	2e-15	4e-02
3:	5.2535e+00	5.2523e+00	4e-01	1e-01	8e-15	1e-02
4:	5.3749e+00	5.3746e+00	8e-02	2e-02	2e-15	2e-03
5:	5.3985e+00	5.3985e+00	2e-03	6e-04	2e-15	5e-05
6:	5.3991e+00	5.3991e+00	2e-05	6e-06	7e-16	5e-07
7:	5.3992e+00	5.3992e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6319e+00	2.6293e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2151e+00	5.2141e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2609e+00	5.2597e+00	7e-01	2e-01	9e-15	2e-02
4:	5.4260e+00	5.4257e+00	1e-01	4e-02	2e-15	3e-03
5:	5.4503e+00	5.4503e+00	3e-02	1e-02	1e-15	9e-04
6:	5.4564e+00	5.4564e+00	5e-03	1e-03	8e-15	1e-04
7:	5.4575e+00	5.4575e+00	6e-05	2e-05	2e-15	1e-06
8:	5.4575e+00	5.4575e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0365e+00	1.0334e+00	5e+00	2e+00	2e-16	2e-01
2:	2.1965e+00	2.1938e+00	2e+00	5e-01	4e-15	6e-02
3:	2.3683e+00	2.3671e+00	4e-01	1e-01	1e-15	1e-02
4:	2.4672e+00	2.4667e+00	2e-01	5e-02	9e-16	5e-03
5:	2.4886e+00	2.4885e+00	3e-02	8e-03	2e-15	7e-04
6:	2.4953e+00	2.4953e+00	3e-03	8e-04	5e-16	7e-05
7:	2.4958e+00	2.4958e+00	3e-05	9e-06	5e-16	7e-07
8:	2.4958e+00	2.4958e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0931e+00	3.0922e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9800e+00	4.9796e+00	2e+00	6e-01	3e-15	5e-02
3:	5.2941e+00	5.2940e+00	4e-01	1e-01	3e-15	1e-02
4:	5.4184e+00	5.4183e+00	1e-01	4e-02	1e-15	3e-03
5:	5.4421e+00	5.4421e+00	1e-02	4e-03	9e-15	3e-04
6:	5.4450e+00	5.4450e+00	4e-03	1e-03	3e-15	1e-04
7:	5.4460e+00	5.4460e+00	6e-05	2e-05	2e-15	2e-06
8:	5.4460e+00	5.4460e+00	6e-07	2e-07	2e-15	2e-08
9:	5.4460e+00	5.4460e+00	6e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5030e+00	2.5012e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3448e+00	4.3440e+00	2e+00	5e-01	1e-15	4e-02
3:	4.7630e+00	4.7628e+00	3e-01	9e-02	2e-15	8e-03
4:	4.7604e+00	4.7601e+00	2e-01	6e-02	6e-15	5e-03
5:	4.8177e+00	4.8177e+00	2e-02	6e-03	1e-15	5e-04
6:	4.8238e+00	4.8238e+00	3e-04	1e-04	3e-15	8e-06
7:	4.8239e+00	4.8239e+00	3e-06	1e-06	2e-15	8e-08
8:	4.8239e+00	4.8239e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0925e+00	3.0908e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2175e+00	5.2169e+00	1e+00	4e-01	1e-15	3e-02

3:	5.5072e+00	5.5070e+00	3e-01	9e-02	2e-15	8e-03
4:	5.5453e+00	5.5452e+00	6e-02	2e-02	5e-15	1e-03
5:	5.5592e+00	5.5592e+00	2e-03	6e-04	7e-16	5e-05
6:	5.5596e+00	5.5596e+00	2e-05	6e-06	1e-15	5e-07
7:	5.5596e+00	5.5596e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8416e+00	3.8424e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2016e+00	6.2019e+00	1e+00	5e-01	1e-15	4e-02
3:	6.5026e+00	6.5027e+00	3e-01	1e-01	2e-15	7e-03
4:	6.6036e+00	6.6036e+00	8e-02	3e-02	2e-15	2e-03
5:	6.6263e+00	6.6263e+00	5e-03	2e-03	1e-14	1e-04
6:	6.6277e+00	6.6277e+00	5e-05	2e-05	3e-15	1e-06
7:	6.6277e+00	6.6277e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9220e+00	2.9190e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1075e+00	5.1062e+00	1e+00	4e-01	3e-15	4e-02
3:	5.4012e+00	5.4008e+00	2e-01	7e-02	3e-15	6e-03
4:	5.4612e+00	5.4611e+00	2e-02	6e-03	4e-15	5e-04
5:	5.4643e+00	5.4643e+00	2e-04	6e-05	4e-15	5e-06
6:	5.4644e+00	5.4644e+00	2e-06	6e-07	4e-15	5e-08
7:	5.4644e+00	5.4644e+00	2e-08	6e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9935e+00	1.9907e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9598e+00	3.9585e+00	1e+00	4e-01	1e-15	4e-02
3:	4.2296e+00	4.2288e+00	4e-01	1e-01	9e-16	1e-02
4:	4.3068e+00	4.3066e+00	8e-02	3e-02	2e-15	2e-03
5:	4.3249e+00	4.3248e+00	2e-02	7e-03	5e-15	6e-04
6:	4.3294e+00	4.3294e+00	8e-04	2e-04	1e-14	2e-05
7:	4.3296e+00	4.3296e+00	8e-06	2e-06	2e-15	2e-07
8:	4.3296e+00	4.3296e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1586e+00	2.1559e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7738e+00	3.7726e+00	2e+00	5e-01	2e-15	4e-02
3:	4.2441e+00	4.2438e+00	2e-01	7e-02	1e-15	6e-03
4:	4.2946e+00	4.2945e+00	5e-02	1e-02	5e-15	1e-03
5:	4.3100e+00	4.3100e+00	3e-03	8e-04	1e-15	7e-05
6:	4.3107e+00	4.3107e+00	3e-05	8e-06	2e-15	7e-07
7:	4.3107e+00	4.3107e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7958e+00	1.7925e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4996e+00	3.4982e+00	1e+00	3e-01	1e-15	3e-02
3:	3.7707e+00	3.7702e+00	3e-01	9e-02	3e-15	9e-03
4:	3.8491e+00	3.8489e+00	8e-02	2e-02	5e-15	2e-03
5:	3.8631e+00	3.8631e+00	8e-03	3e-03	1e-14	2e-04
6:	3.8654e+00	3.8654e+00	9e-05	3e-05	2e-15	2e-06
7:	3.8654e+00	3.8654e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3938e+00	3.3936e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3316e+00	5.3316e+00	1e+00	4e-01	3e-15	3e-02
3:	5.7324e+00	5.7324e+00	2e-01	7e-02	1e-15	6e-03
4:	5.7991e+00	5.7991e+00	2e-02	7e-03	2e-15	6e-04
5:	5.8037e+00	5.8037e+00	2e-03	6e-04	4e-14	5e-05
6:	5.8041e+00	5.8041e+00	2e-05	6e-06	3e-15	5e-07
7:	5.8041e+00	5.8041e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8224e+00	2.8212e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9145e+00	4.9141e+00	1e+00	4e-01	1e-15	3e-02
3:	5.0941e+00	5.0937e+00	5e-01	2e-01	3e-15	1e-02
4:	5.2038e+00	5.2038e+00	9e-02	3e-02	3e-15	2e-03
5:	5.2273e+00	5.2273e+00	2e-02	5e-03	7e-16	4e-04
6:	5.2307e+00	5.2307e+00	3e-04	8e-05	1e-15	7e-06
7:	5.2308e+00	5.2308e+00	3e-06	8e-07	1e-15	7e-08
8:	5.2308e+00	5.2308e+00	3e-08	8e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0606e+00	4.0632e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2624e+00	6.2634e+00	2e+00	7e-01	2e-15	5e-02
3:	6.7762e+00	6.7766e+00	5e-01	2e-01	3e-15	1e-02
4:	6.8824e+00	6.8825e+00	1e-01	4e-02	2e-15	3e-03
5:	6.9023e+00	6.9023e+00	2e-02	6e-03	1e-14	5e-04
6:	6.9072e+00	6.9072e+00	9e-04	3e-04	2e-15	2e-05
7:	6.9074e+00	6.9074e+00	9e-06	3e-06	3e-15	2e-07
8:	6.9074e+00	6.9074e+00	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1146e+00	2.1114e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1128e+00	4.1115e+00	1e+00	4e-01	2e-15	4e-02
3:	4.3731e+00	4.3727e+00	3e-01	8e-02	2e-15	7e-03
4:	4.4251e+00	4.4251e+00	4e-02	1e-02	3e-15	1e-03
5:	4.4343e+00	4.4343e+00	7e-04	2e-04	2e-15	2e-05



6:	4.4345e+00	4.4345e+00	7e-06	2e-06	9e-16	2e-07
7:	4.4345e+00	4.4345e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7527e+00	3.7531e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9713e+00	5.9714e+00	1e+00	4e-01	3e-15	3e-02
3:	6.2764e+00	6.2764e+00	3e-01	8e-02	1e-15	7e-03
4:	6.3524e+00	6.3524e+00	3e-02	8e-03	2e-15	6e-04
5:	6.3579e+00	6.3579e+00	1e-03	4e-04	1e-14	3e-05
6:	6.3581e+00	6.3581e+00	2e-04	7e-05	9e-13	5e-06
7:	6.3581e+00	6.3581e+00	8e-05	2e-05	3e-12	2e-06
8:	6.3581e+00	6.3581e+00	2e-05	5e-06	9e-13	4e-07
9:	6.3581e+00	6.3581e+00	2e-07	6e-08	4e-12	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7482e+00	3.7492e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3235e+00	5.3240e+00	2e+00	6e-01	2e-15	5e-02
3:	5.8410e+00	5.8411e+00	4e-01	1e-01	2e-15	9e-03
4:	5.9783e+00	5.9784e+00	7e-02	2e-02	2e-15	2e-03
5:	5.9928e+00	5.9928e+00	1e-02	4e-03	2e-14	3e-04
6:	5.9971e+00	5.9971e+00	3e-04	9e-05	3e-15	7e-06
7:	5.9972e+00	5.9972e+00	3e-06	9e-07	5e-15	7e-08
8:	5.9972e+00	5.9972e+00	3e-08	9e-09	4e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9970e+00	2.9992e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9965e+00	4.9971e+00	1e+00	4e-01	1e-15	3e-02
3:	5.4458e+00	5.4460e+00	2e-01	7e-02	2e-15	5e-03
4:	5.4816e+00	5.4816e+00	3e-02	9e-03	1e-14	7e-04
5:	5.4884e+00	5.4884e+00	2e-03	8e-04	1e-15	6e-05
6:	5.4890e+00	5.4890e+00	3e-05	1e-05	7e-16	8e-07
7:	5.4890e+00	5.4890e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0986e+00	2.0953e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8304e+00	3.8293e+00	1e+00	3e-01	1e-15	3e-02
3:	4.1274e+00	4.1270e+00	2e-01	6e-02	1e-15	5e-03
4:	4.1805e+00	4.1805e+00	2e-02	7e-03	1e-15	6e-04
5:	4.1862e+00	4.1862e+00	2e-04	8e-05	9e-16	7e-06
6:	4.1863e+00	4.1863e+00	2e-06	8e-07	8e-16	7e-08
7:	4.1863e+00	4.1863e+00	2e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.7274e+00	3.7267e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0446e+00	6.0442e+00	2e+00	6e-01	2e-15	5e-02
3:	6.4775e+00	6.4774e+00	5e-01	2e-01	5e-15	1e-02
4:	6.5840e+00	6.5840e+00	2e-01	5e-02	3e-15	4e-03
5:	6.6218e+00	6.6218e+00	1e-02	4e-03	2e-15	4e-04
6:	6.6249e+00	6.6249e+00	1e-04	4e-05	2e-15	4e-06
7:	6.6249e+00	6.6249e+00	1e-06	4e-07	1e-15	4e-08
8:	6.6249e+00	6.6249e+00	1e-08	4e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2979e+00	2.2955e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3021e+00	4.3009e+00	2e+00	6e-01	1e-15	5e-02
3:	4.7147e+00	4.7143e+00	3e-01	1e-01	2e-15	9e-03
4:	4.7757e+00	4.7755e+00	8e-02	3e-02	7e-15	2e-03
5:	4.8037e+00	4.8037e+00	9e-03	3e-03	2e-15	2e-04
6:	4.8047e+00	4.8046e+00	4e-03	1e-03	2e-13	1e-04
7:	4.8056e+00	4.8056e+00	1e-04	3e-05	8e-15	3e-06
8:	4.8056e+00	4.8056e+00	1e-06	3e-07	4e-15	3e-08
9:	4.8056e+00	4.8056e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6366e+00	3.6354e+00	6e+00	2e+00	3e-16	1e-01
2:	5.8131e+00	5.8126e+00	2e+00	5e-01	2e-15	4e-02
3:	6.2086e+00	6.2085e+00	2e-01	7e-02	2e-15	6e-03
4:	6.2569e+00	6.2569e+00	1e-02	3e-03	6e-15	2e-04
5:	6.2595e+00	6.2595e+00	1e-04	3e-05	1e-15	2e-06
6:	6.2596e+00	6.2596e+00	1e-06	3e-07	1e-15	2e-08
7:	6.2596e+00	6.2596e+00	1e-08	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8315e+00	2.8312e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3745e+00	4.3743e+00	2e+00	8e-01	1e-15	6e-02
3:	4.9210e+00	4.9209e+00	5e-01	2e-01	1e-15	1e-02
4:	5.0360e+00	5.0360e+00	5e-02	1e-02	6e-16	1e-03
5:	5.0498e+00	5.0498e+00	5e-03	2e-03	1e-15	1e-04
6:	5.0511e+00	5.0511e+00	1e-04	4e-05	4e-15	4e-06
7:	5.0511e+00	5.0511e+00	1e-06	4e-07	1e-15	4e-08
8:	5.0511e+00	5.0511e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2930e+00	3.2919e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6642e+00	5.6637e+00	2e+00	5e-01	1e-15	4e-02
3:	6.0731e+00	6.0730e+00	4e-01	1e-01	2e-15	1e-02
4:	6.1743e+00	6.1743e+00	1e-01	3e-02	4e-15	3e-03

5:	6.1913e+00	6.1913e+00	9e-03	3e-03	2e-14	2e-04
6:	6.1943e+00	6.1943e+00	4e-04	1e-04	3e-15	1e-05
7:	6.1944e+00	6.1944e+00	4e-06	1e-06	1e-15	1e-07
8:	6.1944e+00	6.1944e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1992e+00	2.1977e+00	6e+00	2e+00	3e-16	1e-01
2:	4.1904e+00	4.1896e+00	2e+00	5e-01	2e-15	4e-02
3:	4.5132e+00	4.5129e+00	5e-01	1e-01	2e-15	1e-02
4:	4.5782e+00	4.5782e+00	9e-02	3e-02	2e-15	2e-03
5:	4.6027e+00	4.6027e+00	1e-02	5e-03	1e-15	4e-04
6:	4.6053e+00	4.6053e+00	2e-03	7e-04	1e-14	6e-05
7:	4.6057e+00	4.6057e+00	4e-05	1e-05	6e-14	1e-06
8:	4.6057e+00	4.6057e+00	4e-07	1e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6688e+00	2.6696e+00	6e+00	2e+00	2e-16	1e-01
2:	4.3253e+00	4.3258e+00	2e+00	7e-01	1e-15	5e-02
3:	4.6566e+00	4.6567e+00	4e-01	1e-01	7e-16	1e-02
4:	4.7447e+00	4.7448e+00	1e-01	4e-02	1e-15	3e-03
5:	4.7787e+00	4.7787e+00	2e-02	8e-03	6e-15	6e-04
6:	4.7834e+00	4.7834e+00	1e-03	3e-04	2e-14	3e-05
7:	4.7837e+00	4.7837e+00	1e-05	3e-06	4e-15	3e-07
8:	4.7837e+00	4.7837e+00	1e-07	3e-08	6e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1611e+00	1.1579e+00	5e+00	2e+00	1e-16	2e-01
2:	2.3103e+00	2.3089e+00	9e-01	3e-01	3e-15	3e-02
3:	2.5777e+00	2.5771e+00	2e-01	7e-02	2e-15	6e-03
4:	2.6063e+00	2.6059e+00	7e-02	2e-02	3e-15	2e-03
5:	2.6179e+00	2.6179e+00	8e-03	3e-03	3e-15	2e-04
6:	2.6201e+00	2.6201e+00	9e-04	3e-04	7e-16	2e-05
7:	2.6202e+00	2.6202e+00	9e-06	3e-06	1e-15	2e-07
8:	2.6202e+00	2.6202e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6847e+00	3.6846e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9874e+00	5.9874e+00	2e+00	5e-01	1e-15	4e-02
3:	6.3941e+00	6.3941e+00	3e-01	8e-02	2e-15	7e-03
4:	6.4565e+00	6.4565e+00	1e-02	4e-03	5e-15	3e-04
5:	6.4594e+00	6.4594e+00	1e-04	4e-05	5e-15	3e-06
6:	6.4595e+00	6.4595e+00	1e-06	4e-07	3e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8568e+00	3.8562e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2756e+00	6.2754e+00	2e+00	6e-01	3e-15	5e-02
3:	6.7068e+00	6.7068e+00	7e-01	2e-01	3e-15	2e-02
4:	6.8288e+00	6.8288e+00	1e-01	5e-02	4e-15	4e-03
5:	6.8722e+00	6.8722e+00	3e-02	1e-02	3e-15	8e-04
6:	6.8775e+00	6.8775e+00	6e-03	2e-03	1e-14	2e-04
7:	6.8793e+00	6.8793e+00	3e-04	8e-05	2e-15	6e-06
8:	6.8793e+00	6.8793e+00	3e-06	8e-07	4e-15	6e-08
9:	6.8793e+00	6.8793e+00	3e-08	8e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0924e+00	2.0892e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9374e+00	3.9359e+00	2e+00	5e-01	1e-15	4e-02
3:	4.2498e+00	4.2491e+00	4e-01	1e-01	2e-15	1e-02
4:	4.3320e+00	4.3317e+00	1e-01	3e-02	2e-15	3e-03
5:	4.3601e+00	4.3601e+00	2e-03	6e-04	8e-16	5e-05
6:	4.3605e+00	4.3605e+00	2e-05	6e-06	9e-16	5e-07
7:	4.3605e+00	4.3605e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3996e+00	2.3963e+00	5e+00	2e+00	3e-16	2e-01
2:	4.7415e+00	4.7398e+00	1e+00	4e-01	2e-15	4e-02
3:	5.0091e+00	5.0085e+00	3e-01	1e-01	2e-15	1e-02
4:	5.0379e+00	5.0376e+00	9e-02	3e-02	1e-14	3e-03
5:	5.0530e+00	5.0529e+00	3e-02	8e-03	5e-15	7e-04
6:	5.0598e+00	5.0598e+00	3e-03	1e-03	2e-15	9e-05
7:	5.0605e+00	5.0605e+00	4e-05	1e-05	2e-15	1e-06
8:	5.0605e+00	5.0605e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4241e+00	3.4265e+00	7e+00	2e+00	2e-16	2e-01
2:	5.4028e+00	5.4039e+00	2e+00	7e-01	1e-15	6e-02
3:	5.7064e+00	5.7069e+00	7e-01	2e-01	1e-15	2e-02
4:	5.8958e+00	5.8960e+00	2e-01	6e-02	7e-16	5e-03
5:	5.9286e+00	5.9286e+00	4e-02	1e-02	6e-15	9e-04
6:	5.9353e+00	5.9353e+00	2e-02	5e-03	3e-15	4e-04
7:	5.9377e+00	5.9377e+00	2e-03	7e-04	3e-15	6e-05
8:	5.9382e+00	5.9382e+00	5e-05	2e-05	2e-15	1e-06
9:	5.9383e+00	5.9383e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7355e+00	3.7361e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7714e+00	5.7716e+00	1e+00	5e-01	2e-15	4e-02

3:	6.1557e+00	6.1558e+00	3e-01	8e-02	2e-15	6e-03
4:	6.2315e+00	6.2315e+00	7e-02	2e-02	1e-15	2e-03
5:	6.2456e+00	6.2456e+00	5e-03	2e-03	6e-15	1e-04
6:	6.2467e+00	6.2467e+00	5e-05	2e-05	7e-15	1e-06
7:	6.2467e+00	6.2467e+00	5e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8496e+00	2.8471e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7669e+00	4.7658e+00	1e+00	5e-01	2e-15	4e-02
3:	5.1196e+00	5.1193e+00	3e-01	9e-02	2e-15	7e-03
4:	5.1628e+00	5.1628e+00	5e-02	1e-02	7e-15	1e-03
5:	5.1736e+00	5.1736e+00	4e-03	1e-03	1e-15	1e-04
6:	5.1745e+00	5.1745e+00	4e-05	1e-05	8e-16	1e-06
7:	5.1745e+00	5.1745e+00	4e-07	1e-07	8e-16	1e-08
8:	5.1745e+00	5.1745e+00	4e-09	1e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7545e+00	3.7535e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6262e+00	5.6257e+00	2e+00	6e-01	2e-15	5e-02
3:	6.1087e+00	6.1085e+00	4e-01	1e-01	3e-15	9e-03
4:	6.2194e+00	6.2194e+00	9e-02	3e-02	9e-16	2e-03
5:	6.2389e+00	6.2389e+00	1e-02	4e-03	3e-15	3e-04
6:	6.2412e+00	6.2412e+00	2e-04	5e-05	1e-14	4e-06
7:	6.2412e+00	6.2412e+00	2e-06	5e-07	6e-15	4e-08
8:	6.2412e+00	6.2412e+00	2e-08	5e-09	7e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7603e+00	2.7588e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3058e+00	4.3054e+00	1e+00	4e-01	2e-15	3e-02
3:	4.6405e+00	4.6404e+00	2e-01	6e-02	1e-15	5e-03
4:	4.6891e+00	4.6891e+00	2e-02	5e-03	3e-15	4e-04
5:	4.6947e+00	4.6947e+00	2e-04	7e-05	1e-15	5e-06
6:	4.6947e+00	4.6947e+00	2e-06	7e-07	1e-15	5e-08
7:	4.6947e+00	4.6947e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8209e+00	4.8253e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3866e+00	6.3881e+00	2e+00	6e-01	1e-15	4e-02
3:	6.8045e+00	6.8050e+00	4e-01	1e-01	1e-15	9e-03
4:	6.8744e+00	6.8745e+00	8e-02	2e-02	2e-15	2e-03
5:	6.8882e+00	6.8882e+00	2e-02	6e-03	1e-15	5e-04
6:	6.8903e+00	6.8903e+00	1e-03	4e-04	2e-14	3e-05
7:	6.8907e+00	6.8907e+00	1e-05	4e-06	2e-15	3e-07
8:	6.8907e+00	6.8907e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6499e+00	3.6514e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8263e+00	5.8269e+00	2e+00	5e-01	1e-15	4e-02
3:	6.1205e+00	6.1206e+00	3e-01	1e-01	4e-15	8e-03
4:	6.1849e+00	6.1850e+00	6e-02	2e-02	3e-15	1e-03
5:	6.1958e+00	6.1958e+00	2e-03	7e-04	4e-15	5e-05
6:	6.1963e+00	6.1963e+00	2e-05	7e-06	3e-15	5e-07
7:	6.1963e+00	6.1963e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0338e+00	1.0307e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4215e+00	2.4200e+00	9e-01	3e-01	8e-16	3e-02
3:	2.6216e+00	2.6213e+00	1e-01	4e-02	9e-16	4e-03
4:	2.6591e+00	2.6591e+00	3e-02	9e-03	2e-15	9e-04
5:	2.6632e+00	2.6631e+00	2e-03	7e-04	8e-15	6e-05
6:	2.6635e+00	2.6635e+00	2e-05	8e-06	5e-15	7e-07
7:	2.6635e+00	2.6635e+00	2e-07	8e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5278e+00	3.5268e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9509e+00	5.9505e+00	2e+00	5e-01	2e-15	4e-02
3:	6.3209e+00	6.3208e+00	3e-01	9e-02	2e-15	8e-03
4:	6.3573e+00	6.3572e+00	6e-02	2e-02	4e-15	1e-03
5:	6.3758e+00	6.3758e+00	7e-03	2e-03	1e-15	2e-04
6:	6.3768e+00	6.3768e+00	2e-03	7e-04	1e-14	6e-05
7:	6.3773e+00	6.3773e+00	3e-05	8e-06	4e-15	6e-07
8:	6.3773e+00	6.3773e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7241e+00	1.7213e+00	5e+00	2e+00	3e-16	1e-01
2:	3.8684e+00	3.8671e+00	1e+00	4e-01	2e-15	4e-02
3:	4.0952e+00	4.0946e+00	3e-01	1e-01	3e-15	8e-03
4:	4.1687e+00	4.1686e+00	3e-02	1e-02	1e-15	9e-04
5:	4.1763e+00	4.1763e+00	1e-02	3e-03	6e-16	3e-04
6:	4.1780e+00	4.1779e+00	2e-03	7e-04	7e-15	5e-05
7:	4.1784e+00	4.1784e+00	2e-05	8e-06	7e-16	6e-07
8:	4.1784e+00	4.1784e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6201e+00	3.6174e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8867e+00	5.8858e+00	1e+00	4e-01	5e-15	3e-02
3:	6.3085e+00	6.3084e+00	1e-01	4e-02	1e-15	4e-03

4:	6.3408e+00	6.3408e+00	1e-02	4e-03	3e-15	3e-04
5:	6.3424e+00	6.3424e+00	2e-03	7e-04	3e-13	6e-05
6:	6.3430e+00	6.3430e+00	2e-05	8e-06	8e-15	6e-07
7:	6.3430e+00	6.3430e+00	2e-07	8e-08	8e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0019e+00	4.0018e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2370e+00	6.2370e+00	1e+00	5e-01	1e-15	4e-02
3:	6.6024e+00	6.6024e+00	4e-01	1e-01	3e-15	1e-02
4:	6.6854e+00	6.6854e+00	1e-01	3e-02	3e-15	3e-03
5:	6.7052e+00	6.7052e+00	3e-03	1e-03	4e-15	8e-05
6:	6.7059e+00	6.7059e+00	3e-05	1e-05	4e-15	8e-07
7:	6.7059e+00	6.7059e+00	3e-07	1e-07	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9523e+00	2.9541e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7397e+00	4.7404e+00	2e+00	6e-01	8e-16	5e-02
3:	5.1404e+00	5.1405e+00	3e-01	8e-02	1e-15	6e-03
4:	5.2127e+00	5.2128e+00	6e-02	2e-02	6e-16	1e-03
5:	5.2218e+00	5.2218e+00	8e-03	3e-03	3e-15	2e-04
6:	5.2238e+00	5.2238e+00	1e-04	5e-05	9e-16	4e-06
7:	5.2238e+00	5.2238e+00	1e-06	5e-07	1e-15	4e-08
8:	5.2238e+00	5.2238e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.9040e+00	2.9111e+00	7e+00	2e+00	3e-16	2e-01
2:	4.1364e+00	4.1393e+00	2e+00	7e-01	1e-15	5e-02
3:	4.4704e+00	4.4708e+00	3e-01	1e-01	8e-16	7e-03
4:	4.5654e+00	4.5655e+00	6e-02	2e-02	1e-15	1e-03
5:	4.5821e+00	4.5822e+00	2e-02	5e-03	2e-15	4e-04
6:	4.5850e+00	4.5850e+00	3e-03	9e-04	9e-15	7e-05
7:	4.5859e+00	4.5859e+00	2e-04	6e-05	6e-15	5e-06
8:	4.5859e+00	4.5859e+00	2e-06	7e-07	1e-14	5e-08
9:	4.5859e+00	4.5859e+00	2e-08	7e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1856e+00	2.1826e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9564e+00	3.9553e+00	1e+00	4e-01	4e-15	3e-02
3:	4.1700e+00	4.1698e+00	1e-01	4e-02	1e-15	4e-03
4:	4.2083e+00	4.2083e+00	1e-02	4e-03	9e-16	3e-04
5:	4.2124e+00	4.2124e+00	2e-03	8e-04	8e-16	7e-05
6:	4.2130e+00	4.2130e+00	4e-05	1e-05	2e-15	1e-06
7:	4.2130e+00	4.2130e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4506e+00	2.4473e+00	5e+00	2e+00	3e-16	2e-01
2:	4.8020e+00	4.8005e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9483e+00	4.9472e+00	3e-01	1e-01	6e-15	8e-03
4:	5.0116e+00	5.0114e+00	6e-02	2e-02	2e-15	2e-03
5:	5.0284e+00	5.0283e+00	7e-03	2e-03	6e-16	2e-04
6:	5.0297e+00	5.0297e+00	7e-05	2e-05	1e-15	2e-06
7:	5.0297e+00	5.0297e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8201e+00	1.8168e+00	5e+00	2e+00	3e-16	2e-01
2:	3.7777e+00	3.7762e+00	1e+00	3e-01	3e-15	3e-02
3:	4.0321e+00	4.0317e+00	2e-01	5e-02	2e-15	5e-03
4:	4.0672e+00	4.0672e+00	2e-02	7e-03	3e-15	6e-04
5:	4.0736e+00	4.0736e+00	4e-04	1e-04	2e-15	1e-05
6:	4.0737e+00	4.0737e+00	4e-06	1e-06	3e-15	1e-07
7:	4.0737e+00	4.0737e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2161e+00	3.2149e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4762e+00	5.4758e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9540e+00	5.9538e+00	5e-01	2e-01	3e-15	1e-02
4:	5.9597e+00	5.9595e+00	3e-01	8e-02	8e-15	7e-03
5:	6.0163e+00	6.0163e+00	3e-02	9e-03	1e-15	7e-04
6:	6.0227e+00	6.0227e+00	4e-03	1e-03	9e-15	9e-05
7:	6.0236e+00	6.0236e+00	3e-04	1e-04	2e-15	8e-06
8:	6.0237e+00	6.0237e+00	3e-06	1e-06	1e-14	8e-08
9:	6.0237e+00	6.0237e+00	3e-08	1e-08	8e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4998e+00	2.4986e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3105e+00	4.3100e+00	2e+00	5e-01	2e-15	4e-02
3:	4.7400e+00	4.7400e+00	2e-01	5e-02	9e-16	4e-03
4:	4.7801e+00	4.7801e+00	1e-02	3e-03	3e-15	3e-04
5:	4.7831e+00	4.7831e+00	1e-04	3e-05	8e-16	3e-06
6:	4.7832e+00	4.7832e+00	1e-06	3e-07	6e-16	3e-08
7:	4.7832e+00	4.7832e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6206e+00	3.6202e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8584e+00	5.8582e+00	1e+00	5e-01	2e-15	4e-02
3:	6.4286e+00	6.4285e+00	2e-01	7e-02	2e-15	6e-03
4:	6.4677e+00	6.4677e+00	7e-02	2e-02	8e-15	2e-03



5:	6.4926e+00	6.4926e+00	1e-02	4e-03	3e-15	3e-04
6:	6.4947e+00	6.4947e+00	2e-03	8e-04	1e-13	6e-05
7:	6.4954e+00	6.4954e+00	3e-05	9e-06	3e-14	7e-07
8:	6.4954e+00	6.4954e+00	3e-07	9e-08	3e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.7978e+00	2.8034e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9218e+00	4.9239e+00	2e+00	5e-01	8e-16	4e-02
3:	5.2062e+00	5.2067e+00	3e-01	1e-01	9e-16	7e-03
4:	5.2888e+00	5.2889e+00	5e-02	2e-02	9e-16	1e-03
5:	5.2981e+00	5.2981e+00	5e-03	2e-03	1e-14	1e-04
6:	5.2990e+00	5.2990e+00	7e-04	2e-04	7e-14	2e-05
7:	5.2992e+00	5.2992e+00	8e-06	3e-06	3e-14	2e-07
8:	5.2992e+00	5.2992e+00	8e-08	3e-08	5e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3597e+00	3.3577e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1972e+00	5.1964e+00	1e+00	5e-01	2e-15	4e-02
3:	5.5191e+00	5.5189e+00	3e-01	9e-02	2e-15	7e-03
4:	5.6147e+00	5.6146e+00	6e-02	2e-02	5e-15	1e-03
5:	5.6286e+00	5.6286e+00	2e-03	8e-04	1e-14	6e-05
6:	5.6293e+00	5.6293e+00	2e-05	8e-06	4e-15	6e-07
7:	5.6293e+00	5.6293e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8841e+00	1.8810e+00	6e+00	2e+00	3e-16	2e-01
2:	3.4606e+00	3.4593e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9258e+00	3.9254e+00	3e-01	9e-02	1e-15	8e-03
4:	3.9797e+00	3.9796e+00	4e-02	1e-02	3e-15	1e-03
5:	3.9893e+00	3.9893e+00	9e-03	3e-03	2e-15	2e-04
6:	3.9910e+00	3.9910e+00	1e-03	3e-04	3e-14	3e-05
7:	3.9913e+00	3.9913e+00	1e-05	3e-06	3e-15	3e-07
8:	3.9913e+00	3.9913e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1612e+00	3.1622e+00	6e+00	2e+00	2e-16	1e-01
2:	4.4804e+00	4.4807e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9228e+00	4.9229e+00	3e-01	1e-01	1e-15	8e-03
4:	4.9897e+00	4.9897e+00	4e-02	1e-02	5e-15	1e-03
5:	5.0011e+00	5.0011e+00	7e-03	2e-03	8e-16	2e-04
6:	5.0028e+00	5.0028e+00	7e-05	2e-05	8e-16	2e-06
7:	5.0028e+00	5.0028e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7895e+00	1.7861e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4051e+00	3.4036e+00	1e+00	4e-01	4e-15	3e-02
3:	3.7244e+00	3.7240e+00	2e-01	7e-02	9e-16	6e-03
4:	3.7797e+00	3.7795e+00	7e-02	2e-02	2e-15	2e-03
5:	3.7923e+00	3.7923e+00	5e-03	2e-03	9e-15	1e-04
6:	3.7937e+00	3.7937e+00	5e-05	2e-05	8e-16	1e-06
7:	3.7937e+00	3.7937e+00	5e-07	2e-07	9e-16	1e-08
8:	3.7937e+00	3.7937e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0600e+00	3.0582e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1523e+00	5.1516e+00	1e+00	4e-01	2e-15	4e-02
3:	5.5236e+00	5.5235e+00	3e-01	8e-02	1e-15	7e-03
4:	5.5837e+00	5.5837e+00	4e-02	1e-02	3e-15	1e-03
5:	5.5925e+00	5.5925e+00	4e-03	1e-03	4e-14	9e-05
6:	5.5934e+00	5.5934e+00	4e-05	1e-05	1e-15	9e-07
7:	5.5934e+00	5.5934e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0754e+00	3.0772e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9923e+00	4.9929e+00	1e+00	5e-01	1e-15	4e-02
3:	5.3761e+00	5.3762e+00	3e-01	1e-01	1e-15	8e-03
4:	5.4442e+00	5.4442e+00	3e-02	9e-03	3e-15	7e-04
5:	5.4522e+00	5.4522e+00	3e-04	1e-04	9e-16	8e-06
6:	5.4523e+00	5.4523e+00	3e-06	1e-06	1e-15	8e-08
7:	5.4523e+00	5.4523e+00	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6125e-01	4.5866e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9695e-01	9.9459e-01	2e+00	5e-01	2e-15	5e-02
3:	9.9858e-01	9.9825e-01	3e-02	1e-02	1e-15	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	1e-04	4e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	4e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7381e-01	5.7049e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9705e-01	9.9570e-01	8e-01	2e-01	2e-15	2e-02
3:	9.9996e-01	9.9995e-01	8e-03	2e-03	9e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	5e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	5e-16	2e-08
6:	1.0000e+00	1.0000e+00	8e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0840e-01	5.0542e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9697e-01	9.9505e-01	1e+00	4e-01	3e-15	4e-02
3:	9.9962e-01	9.9955e-01	2e-02	5e-03	2e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	3e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	7e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0118e-01	4.9826e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9498e-01	1e+00	4e-01	3e-15	5e-02
3:	9.9971e-01	9.9964e-01	2e-02	5e-03	3e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	3e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6456e-01	5.6128e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9561e-01	8e-01	3e-01	3e-15	3e-02
3:	9.9996e-01	9.9994e-01	9e-03	3e-03	8e-16	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2929e-01	7.2688e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9735e-01	9.9727e-01	9e-02	3e-02	8e-16	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5079e-01	5.4756e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9716e-01	9.9548e-01	9e-01	3e-01	3e-15	3e-02
3:	9.9995e-01	9.9993e-01	1e-02	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	4e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	4e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6937e-01	5.6608e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9713e-01	9.9566e-01	8e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9995e-01	8e-03	2e-03	4e-16	2e-04

4:	1.0000e+00	1.0000e+00	8e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	2e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5198e-01	7.5000e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9755e-01	9.9750e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9997e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7096e-01	5.6766e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9568e-01	8e-01	3e-01	3e-15	3e-02
3:	9.9995e-01	9.9994e-01	8e-03	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	8e-05	3e-05	8e-16	3e-06
5:	1.0000e+00	1.0000e+00	8e-07	3e-07	3e-16	3e-08
6:	1.0000e+00	1.0000e+00	8e-09	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1428e-01	4.1212e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9658e-01	9.9412e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9389e-01	9.9256e-01	1e-01	3e-02	2e-15	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	4e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4124e-01	4.3883e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9697e-01	9.9439e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9803e-01	9.9755e-01	4e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	2e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.6047e-01	2.5970e-01	3e+00	9e-01	2e-16	1e-01
2:	9.9499e-01	9.9260e-01	9e-01	3e-01	5e-16	4e-02
3:	9.2887e-01	9.2308e-01	4e-01	1e-01	2e-15	1e-02
4:	9.9936e-01	9.9923e-01	1e-02	3e-03	4e-16	3e-04
5:	9.9999e-01	9.9999e-01	1e-04	3e-05	4e-16	3e-06
6:	1.0000e+00	1.0000e+00	1e-06	3e-07	5e-16	3e-08
7:	1.0000e+00	1.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7136e-01	6.6825e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9668e-01	2e-01	6e-02	2e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7519e-01	5.7187e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9705e-01	9.9572e-01	7e-01	2e-01	2e-15	2e-02
3:	9.9996e-01	9.9995e-01	8e-03	2e-03	6e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	3e-16	2e-08
6:	1.0000e+00	1.0000e+00	8e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.4870e-01	5.4548e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9545e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	5e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	6e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9378e-01	4.9092e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9491e-01	1e+00	4e-01	4e-15	5e-02
3:	9.9963e-01	9.9955e-01	2e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	2e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	6e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7339e-01	5.7008e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9570e-01	8e-01	2e-01	3e-15	2e-02
3:	9.9996e-01	9.9995e-01	8e-03	2e-03	8e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	8e-16	2e-08
6:	1.0000e+00	1.0000e+00	8e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.2903e-01	4.2673e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9679e-01	9.9427e-01	2e+00	5e-01	3e-16	6e-02

3:	9.9649e-01	9.9566e-01	7e-02	2e-02	2e-15	2e-03
4:	9.9996e-01	9.9996e-01	7e-04	2e-04	3e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2273e-01	5.1965e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9696e-01	9.9520e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9976e-01	9.9971e-01	1e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	6e-16	5e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4231e-01	3.4048e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9566e-01	9.9340e-01	1e+00	4e-01	9e-16	5e-02
3:	9.7056e-01	9.6690e-01	3e-01	9e-02	2e-15	7e-03
4:	9.9971e-01	9.9967e-01	3e-03	1e-03	4e-16	9e-05
5:	1.0000e+00	1.0000e+00	3e-05	1e-05	2e-16	9e-07
6:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	9e-09
7:	1.0000e+00	1.0000e+00	3e-09	1e-09	3e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4449e-01	4.4205e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9694e-01	9.9442e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9800e-01	9.9752e-01	4e-02	1e-02	6e-16	1e-03
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8804e-01	4.8522e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9707e-01	9.9485e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9956e-01	9.9946e-01	2e-02	6e-03	7e-16	6e-04
4:	1.0000e+00	9.9999e-01	2e-04	6e-05	5e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	3e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	1.7525e-01	1.7446e-01	3e+00	9e-01	2e-16	1e-01
2:	7.1522e-01	7.1272e-01	1e+00	3e-01	9e-16	4e-02
3:	8.5144e-01	8.5066e-01	2e-01	6e-02	5e-16	7e-03
4:	9.1259e-01	9.1238e-01	4e-02	1e-02	1e-15	1e-03

5:	9.1455e-01	9.1441e-01	1e-02	4e-03	8e-15	3e-04
6:	9.1753e-01	9.1752e-01	8e-04	3e-04	8e-16	2e-05
7:	9.1774e-01	9.1774e-01	8e-06	3e-06	1e-15	2e-07
8:	9.1774e-01	9.1774e-01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	7e+00	1e-16	1e+00
1:	2.4207e-01	2.4129e-01	3e+00	9e-01	3e-16	1e-01
2:	9.9478e-01	9.9241e-01	9e-01	3e-01	1e-15	4e-02
3:	9.4009e-01	9.3514e-01	5e-01	2e-01	3e-15	2e-02
4:	9.9345e-01	9.9228e-01	8e-02	2e-02	5e-16	2e-03
5:	9.9992e-01	9.9990e-01	9e-04	3e-04	1e-15	2e-05
6:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-15	2e-07
7:	1.0000e+00	1.0000e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.7163e-01	3.6988e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9622e-01	9.9370e-01	1e+00	5e-01	4e-16	5e-02
3:	9.8528e-01	9.8257e-01	2e-01	6e-02	3e-15	5e-03
4:	9.9985e-01	9.9983e-01	2e-03	7e-04	3e-16	5e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6629e-01	5.6300e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9563e-01	8e-01	3e-01	2e-15	3e-02
3:	9.9996e-01	9.9994e-01	8e-03	3e-03	4e-16	3e-04
4:	1.0000e+00	1.0000e+00	8e-05	3e-05	2e-16	3e-06
5:	1.0000e+00	1.0000e+00	8e-07	3e-07	5e-16	3e-08
6:	1.0000e+00	1.0000e+00	8e-09	3e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9637e-01	5.9302e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9593e-01	6e-01	2e-01	1e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9987e-01	5.9652e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9597e-01	5e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	7e-16	2e-08

```

6: 1.0000e+00 1.0000e+00 5e-09 2e-09 2e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 5.8228e-01 5.7894e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9689e-01 9.9579e-01 9e-01 3e-01 2e-15 3e-02
3: 9.9990e-01 9.9988e-01 1e-02 3e-03 8e-16 3e-04
4: 1.0000e+00 1.0000e+00 1e-04 3e-05 6e-16 3e-06
5: 1.0000e+00 1.0000e+00 1e-06 3e-07 1e-15 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00
1: 3.1538e-01 3.1416e-01 3e+00 1e+00 2e-16 1e-01
2: 9.9558e-01 9.9314e-01 1e+00 4e-01 3e-16 5e-02
3: 9.6021e-01 9.5538e-01 3e-01 1e-01 1e-15 8e-03
4: 9.9962e-01 9.9955e-01 5e-03 1e-03 2e-16 1e-04
5: 1.0000e+00 1.0000e+00 5e-05 1e-05 4e-16 1e-06
6: 1.0000e+00 1.0000e+00 5e-07 1e-07 3e-16 1e-08
7: 1.0000e+00 1.0000e+00 5e-09 1e-09 6e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.2165e-01 4.1942e-01 4e+00 1e+00 2e-16 2e-01
2: 9.9665e-01 9.9419e-01 2e+00 5e-01 7e-16 6e-02
3: 9.9495e-01 9.9383e-01 9e-02 3e-02 9e-16 2e-03
4: 9.9995e-01 9.9994e-01 9e-04 3e-04 6e-16 2e-05
5: 1.0000e+00 1.0000e+00 9e-06 3e-06 2e-16 2e-07
6: 1.0000e+00 1.0000e+00 9e-08 3e-08 4e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.0486e-01 5.0190e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9701e-01 9.9502e-01 1e+00 4e-01 3e-15 4e-02
3: 9.9966e-01 9.9958e-01 2e-02 5e-03 5e-16 5e-04
4: 1.0000e+00 1.0000e+00 2e-04 5e-05 5e-16 5e-06
5: 1.0000e+00 1.0000e+00 2e-06 5e-07 5e-16 5e-08
6: 1.0000e+00 1.0000e+00 2e-08 5e-09 3e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.5463e-01 6.5141e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9693e-01 9.9651e-01 2e-01 8e-02 2e-15 7e-03
3: 9.9997e-01 9.9997e-01 2e-03 8e-04 3e-16 7e-05
4: 1.0000e+00 1.0000e+00 2e-05 8e-06 2e-16 7e-07
5: 1.0000e+00 1.0000e+00 2e-07 8e-08 4e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 2e+01 8e+00 1e-16 1e+00

```



1:	2.8791e-01	2.8693e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9532e-01	9.9287e-01	1e+00	4e-01	4e-16	5e-02
3:	9.4394e-01	9.3796e-01	4e-01	1e-01	4e-15	9e-03
4:	9.9948e-01	9.9938e-01	6e-03	2e-03	3e-16	2e-04
5:	9.9999e-01	9.9999e-01	6e-05	2e-05	6e-16	2e-06
6:	1.0000e+00	1.0000e+00	6e-07	2e-07	6e-16	2e-08
7:	1.0000e+00	1.0000e+00	6e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0925e-01	4.0713e-01	4e+00	1e+00	1e-16	2e-01
2:	9.9656e-01	9.9407e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9337e-01	9.9193e-01	1e-01	4e-02	3e-15	3e-03
4:	9.9993e-01	9.9992e-01	1e-03	4e-04	2e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1640e-01	5.1337e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9724e-01	9.9513e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9987e-01	9.9984e-01	1e-02	4e-03	7e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	5e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	4e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.0479e-01	4.0273e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9668e-01	9.9403e-01	2e+00	6e-01	2e-15	6e-02
3:	9.9431e-01	9.9296e-01	1e-01	3e-02	7e-16	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2302e-01	3.2174e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9572e-01	9.9322e-01	1e+00	4e-01	5e-16	5e-02
3:	9.6764e-01	9.6284e-01	3e-01	1e-01	4e-15	8e-03
4:	9.9969e-01	9.9963e-01	4e-03	1e-03	5e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.8875e-01	5.8541e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9585e-01	6e-01	2e-01	3e-15	2e-02

3:	9.9997e-01	9.9996e-01	6e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3186e-01	4.2952e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9667e-01	9.9430e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9569e-01	9.9473e-01	8e-02	3e-02	2e-15	2e-03
4:	9.9996e-01	9.9995e-01	8e-04	3e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	8e-06	3e-06	2e-16	2e-07
6:	1.0000e+00	1.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4658e-01	4.4411e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9680e-01	9.9444e-01	2e+00	5e-01	8e-16	6e-02
3:	9.9729e-01	9.9667e-01	5e-02	2e-02	2e-15	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.1247e-01	3.1080e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9540e-01	9.9311e-01	1e+00	3e-01	5e-16	4e-02
3:	9.5723e-01	9.5299e-01	3e-01	1e-01	5e-15	8e-03
4:	9.9951e-01	9.9945e-01	5e-03	2e-03	4e-16	1e-04
5:	1.0000e+00	9.9999e-01	5e-05	2e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	2e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5075e-01	5.4753e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9548e-01	1e+00	3e-01	1e-15	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	8e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	4e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1512e-01	6.1177e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9694e-01	9.9612e-01	5e-01	1e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	1e-07	4e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.4751e-01	5.4429e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9544e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9987e-01	9.9985e-01	1e-02	4e-03	7e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4241e-01	4.3999e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9682e-01	9.9440e-01	2e+00	5e-01	5e-16	6e-02
3:	9.9724e-01	9.9660e-01	6e-02	2e-02	1e-15	1e-03
4:	9.9997e-01	9.9997e-01	6e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	6e-06	2e-06	2e-16	1e-07
6:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.6360e-01	3.6194e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9625e-01	9.9362e-01	2e+00	5e-01	6e-16	6e-02
3:	9.8541e-01	9.8249e-01	2e-01	7e-02	1e-15	5e-03
4:	9.9986e-01	9.9982e-01	2e-03	7e-04	4e-16	6e-05
5:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	1.0000e+00	1.0000e+00	2e-07	7e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1654e-01	5.1350e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9513e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9959e-01	9.9951e-01	2e-02	6e-03	6e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	6e-05	3e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.4927e-01	5.4606e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9711e-01	9.9546e-01	1e+00	3e-01	3e-15	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	4e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.6321e-01	6.6094e-01	4e+00	1e+00	3e-16	2e-01

2:	1.8372e+00	1.8351e+00	1e+00	3e-01	6e-16	4e-02
3:	1.9878e+00	1.9863e+00	4e-01	1e-01	3e-15	1e-02
4:	1.9959e+00	1.9956e+00	2e-02	7e-03	5e-15	6e-04
5:	2.0000e+00	2.0000e+00	2e-04	7e-05	9e-16	6e-06
6:	2.0000e+00	2.0000e+00	2e-06	7e-07	1e-15	6e-08
7:	2.0000e+00	2.0000e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2054e+00	1.2020e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9853e+00	1.9844e+00	7e-01	2e-01	3e-15	2e-02
3:	1.9998e+00	1.9998e+00	7e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.7947e-01	7.7631e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8826e+00	1.8803e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9262e+00	1.9227e+00	4e-01	1e-01	3e-15	1e-02
4:	1.9992e+00	1.9992e+00	6e-03	2e-03	2e-16	1e-04
5:	2.0000e+00	2.0000e+00	6e-05	2e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	6e-07	2e-07	4e-16	1e-08
7:	2.0000e+00	2.0000e+00	6e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0150e+00	1.0117e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9159e+00	1.9140e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9953e+00	1.9950e+00	5e-02	1e-02	1e-15	1e-03
4:	2.0000e+00	1.9999e+00	5e-04	1e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.4010e-01	9.3680e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9048e+00	1.9026e+00	2e+00	5e-01	9e-16	5e-02
3:	1.9830e+00	1.9819e+00	1e-01	5e-02	2e-15	4e-03
4:	1.9998e+00	1.9998e+00	1e-03	5e-04	2e-16	4e-05
5:	2.0000e+00	2.0000e+00	1e-05	5e-06	2e-16	4e-07
6:	2.0000e+00	2.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0735e+00	1.0701e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9309e+00	1.9293e+00	1e+00	5e-01	1e-15	4e-02
3:	1.9965e+00	1.9963e+00	4e-02	1e-02	3e-15	1e-03

4:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6001e-01	7.5743e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9124e+00	1.9100e+00	2e+00	5e-01	1e-15	6e-02
3:	1.9391e+00	1.9355e+00	3e-01	1e-01	3e-15	9e-03
4:	1.9994e+00	1.9993e+00	4e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2113e+00	1.2081e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9513e+00	1.9503e+00	9e-01	3e-01	2e-15	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	3e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.8985e-01	7.8660e-01	5e+00	2e+00	3e-16	2e-01
2:	1.8897e+00	1.8879e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9221e+00	1.9201e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9992e+00	1.9991e+00	8e-03	3e-03	4e-16	2e-04
5:	2.0000e+00	2.0000e+00	8e-05	3e-05	2e-15	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	3e-07	9e-16	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	3e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3205e-01	6.2869e-01	5e+00	2e+00	2e-16	2e-01
2:	1.3191e+00	1.3180e+00	1e+00	4e-01	6e-16	3e-02
3:	1.7791e+00	1.7787e+00	2e-01	7e-02	2e-15	7e-03
4:	1.8281e+00	1.8279e+00	5e-02	2e-02	4e-15	1e-03
5:	1.8392e+00	1.8392e+00	1e-02	3e-03	1e-15	3e-04
6:	1.8412e+00	1.8412e+00	2e-04	5e-05	4e-15	5e-06
7:	1.8413e+00	1.8413e+00	2e-06	5e-07	3e-15	5e-08
8:	1.8413e+00	1.8413e+00	2e-08	5e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.8494e-01	6.8270e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9754e+00	1.9733e+00	1e+00	3e-01	1e-15	4e-02
3:	1.8942e+00	1.8904e+00	5e-01	2e-01	4e-15	1e-02

4:	1.9988e+00	1.9987e+00	1e-02	4e-03	7e-16	4e-04
5:	2.0000e+00	2.0000e+00	1e-04	4e-05	2e-15	4e-06
6:	2.0000e+00	2.0000e+00	1e-06	4e-07	1e-15	4e-08
7:	2.0000e+00	2.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.9259e-01	9.8963e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9741e+00	1.9723e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9943e+00	1.9940e+00	5e-02	2e-02	3e-15	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.5681e-01	5.5440e-01	4e+00	1e+00	2e-16	2e-01
2:	1.4742e+00	1.4721e+00	1e+00	4e-01	1e-15	5e-02
3:	1.7187e+00	1.7176e+00	5e-01	1e-01	1e-15	2e-02
4:	1.8105e+00	1.8102e+00	8e-02	3e-02	1e-15	3e-03
5:	1.8202e+00	1.8201e+00	1e-02	5e-03	2e-15	5e-04
6:	1.8234e+00	1.8234e+00	2e-03	6e-04	3e-15	6e-05
7:	1.8237e+00	1.8237e+00	6e-05	2e-05	6e-14	2e-06
8:	1.8238e+00	1.8238e+00	7e-07	2e-07	1e-14	2e-08
9:	1.8238e+00	1.8238e+00	7e-09	2e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6491e-01	9.6193e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9586e+00	1.9567e+00	1e+00	5e-01	1e-15	5e-02
3:	1.9922e+00	1.9916e+00	6e-02	2e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	6e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.3707e-01	6.3475e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7636e+00	1.7615e+00	1e+00	3e-01	9e-16	3e-02
3:	1.9956e+00	1.9950e+00	2e-01	5e-02	7e-16	5e-03
4:	1.9809e+00	1.9802e+00	8e-02	2e-02	1e-14	2e-03
5:	1.9998e+00	1.9998e+00	2e-03	5e-04	4e-15	4e-05
6:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-15	4e-07
7:	2.0000e+00	2.0000e+00	2e-07	5e-08	9e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0457e+00	1.0426e+00	6e+00	2e+00	2e-16	2e-01

2:	1.8754e+00	1.8736e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9907e+00	1.9902e+00	1e-01	4e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2228e+00	1.2200e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9196e+00	1.9188e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9942e+00	1.9941e+00	5e-02	1e-02	1e-15	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2329e-01	8.2033e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9242e+00	1.9220e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9612e+00	1.9594e+00	3e-01	8e-02	3e-15	7e-03
4:	1.9996e+00	1.9996e+00	3e-03	1e-03	4e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9945e-01	9.9611e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9232e+00	1.9210e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9935e+00	1.9933e+00	5e-02	2e-02	8e-16	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1725e+00	1.1691e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9460e+00	1.9449e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9993e+00	1.9993e+00	2e-02	5e-03	2e-15	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.3903e-01	8.3567e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9403e+00	1.9388e+00	1e+00	3e-01	7e-16	3e-02
3:	1.9161e+00	1.9140e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9991e+00	1.9990e+00	8e-03	3e-03	3e-16	2e-04

5:	2.0000e+00	2.0000e+00	8e-05	3e-05	5e-16	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	3e-07	6e-16	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1101e+00	1.1071e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9043e+00	1.9031e+00	1e+00	4e-01	5e-16	4e-02
3:	1.9898e+00	1.9894e+00	1e-01	4e-02	3e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8414e-01	7.8124e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9553e+00	1.9533e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9121e+00	1.9093e+00	5e-01	2e-01	2e-15	1e-02
4:	1.9990e+00	1.9990e+00	1e-02	3e-03	5e-16	3e-04
5:	2.0000e+00	2.0000e+00	1e-04	3e-05	6e-16	3e-06
6:	2.0000e+00	2.0000e+00	1e-06	3e-07	8e-16	3e-08
7:	2.0000e+00	2.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0212e+00	1.0183e+00	6e+00	2e+00	2e-16	2e-01
2:	1.7225e+00	1.7214e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9768e+00	1.9765e+00	3e-01	1e-01	7e-16	1e-02
4:	1.9922e+00	1.9920e+00	6e-02	2e-02	4e-15	1e-03
5:	1.9999e+00	1.9999e+00	6e-04	2e-04	8e-16	2e-05
6:	2.0000e+00	2.0000e+00	6e-06	2e-06	1e-15	2e-07
7:	2.0000e+00	2.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2020e+00	1.1987e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9424e+00	1.9414e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9994e+00	1.9993e+00	1e-02	4e-03	8e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	6e-16	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9953e-01	8.9674e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9726e+00	1.9706e+00	1e+00	5e-01	2e-15	5e-02
3:	1.9828e+00	1.9814e+00	1e-01	4e-02	4e-15	3e-03
4:	1.9998e+00	1.9998e+00	1e-03	4e-04	3e-16	3e-05



5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1037e+00	1.1004e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9191e+00	1.9175e+00	1e+00	5e-01	3e-15	4e-02
3:	1.9983e+00	1.9983e+00	2e-02	8e-03	2e-15	7e-04
4:	2.0000e+00	2.0000e+00	2e-04	8e-05	4e-16	7e-06
5:	2.0000e+00	2.0000e+00	2e-06	8e-07	7e-16	7e-08
6:	2.0000e+00	2.0000e+00	2e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.5912e-01	6.5728e-01	4e+00	1e+00	3e-16	1e-01
2:	1.8722e+00	1.8699e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9935e+00	1.9915e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9983e+00	1.9981e+00	1e-02	5e-03	4e-15	4e-04
5:	2.0000e+00	2.0000e+00	1e-04	5e-05	9e-16	4e-06
6:	2.0000e+00	2.0000e+00	1e-06	5e-07	9e-16	4e-08
7:	2.0000e+00	2.0000e+00	1e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.1389e-01	7.1075e-01	5e+00	2e+00	2e-16	2e-01
2:	1.3979e+00	1.3968e+00	1e+00	4e-01	1e-15	3e-02
3:	1.7982e+00	1.7978e+00	3e-01	9e-02	1e-15	8e-03
4:	1.8723e+00	1.8721e+00	1e-01	3e-02	1e-15	3e-03
5:	1.8940e+00	1.8939e+00	3e-02	8e-03	1e-15	7e-04
6:	1.9016e+00	1.9016e+00	4e-03	1e-03	4e-15	1e-04
7:	1.9026e+00	1.9026e+00	1e-04	3e-05	2e-14	3e-06
8:	1.9026e+00	1.9026e+00	1e-06	3e-07	5e-15	3e-08
9:	1.9026e+00	1.9026e+00	1e-08	3e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9844e-01	7.9550e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9503e+00	1.9480e+00	1e+00	5e-01	8e-16	5e-02
3:	1.9466e+00	1.9434e+00	3e-01	1e-01	2e-15	9e-03
4:	1.9994e+00	1.9994e+00	4e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	2e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2810e-01	7.2555e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9756e+00	1.9735e+00	1e+00	4e-01	9e-16	4e-02

3:	1.8971e+00	1.8935e+00	5e-01	2e-01	3e-15	1e-02
4:	1.9989e+00	1.9989e+00	9e-03	3e-03	5e-16	3e-04
5:	2.0000e+00	2.0000e+00	9e-05	3e-05	8e-16	3e-06
6:	2.0000e+00	2.0000e+00	9e-07	3e-07	6e-16	3e-08
7:	2.0000e+00	2.0000e+00	9e-09	3e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7272e-01	8.6937e-01	6e+00	2e+00	2e-16	2e-01
2:	1.7287e+00	1.7269e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9723e+00	1.9712e+00	5e-01	2e-01	2e-15	1e-02
4:	1.9953e+00	1.9950e+00	5e-02	2e-02	3e-15	1e-03
5:	2.0000e+00	1.9999e+00	5e-04	2e-04	1e-15	1e-05
6:	2.0000e+00	2.0000e+00	5e-06	2e-06	4e-16	1e-07
7:	2.0000e+00	2.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0252e+00	1.0220e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9118e+00	1.9105e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9780e+00	1.9771e+00	2e-01	6e-02	1e-15	5e-03
4:	1.9998e+00	1.9998e+00	2e-03	7e-04	5e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8255e-01	8.7956e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9010e+00	1.8986e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9761e+00	1.9748e+00	2e-01	5e-02	2e-15	4e-03
4:	1.9998e+00	1.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0299e+00	1.0268e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8857e+00	1.8841e+00	2e+00	6e-01	2e-15	5e-02
3:	1.9799e+00	1.9790e+00	2e-01	7e-02	1e-15	5e-03
4:	1.9998e+00	1.9998e+00	2e-03	7e-04	3e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	2e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0940e+00	1.0906e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8966e+00	1.8950e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9970e+00	1.9968e+00	6e-02	2e-02	1e-15	2e-03

4:	2.0000e+00	2.0000e+00	6e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0884e+00	1.0852e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9921e+00	1.9907e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9989e+00	1.9989e+00	2e-02	6e-03	3e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	7e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2400e+00	1.2367e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9549e+00	1.9540e+00	9e-01	3e-01	2e-15	3e-02
3:	1.9994e+00	1.9994e+00	1e-02	3e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	3e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1480e+00	1.1449e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9064e+00	1.9051e+00	1e+00	5e-01	3e-15	4e-02
3:	1.9980e+00	1.9979e+00	3e-02	1e-02	2e-15	9e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	5e-16	9e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	5e-16	9e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0695e+00	1.0663e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9631e+00	1.9615e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9979e+00	1.9978e+00	3e-02	8e-03	3e-15	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	8e-05	5e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	8e-07	7e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	8e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5924e-01	7.5633e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7840e+00	1.7820e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9952e+00	1.9940e+00	6e-01	2e-01	1e-15	2e-02
4:	1.9826e+00	1.9813e+00	1e-01	4e-02	3e-15	3e-03
5:	1.9998e+00	1.9998e+00	2e-03	5e-04	6e-16	4e-05
6:	2.0000e+00	2.0000e+00	2e-05	5e-06	1e-15	4e-07

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7: 2.0000e+00 2.0000e+00 2e-07 5e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.0377e+00 1.0344e+00 5e+00 2e+00 2e-16 2e-01
2: 1.9365e+00 1.9345e+00 2e+00 5e-01 2e-15 5e-02
3: 1.9972e+00 1.9971e+00 3e-02 9e-03 2e-15 8e-04
4: 2.0000e+00 2.0000e+00 3e-04 9e-05 3e-16 8e-06
5: 2.0000e+00 2.0000e+00 3e-06 9e-07 3e-16 8e-08
6: 2.0000e+00 2.0000e+00 3e-08 9e-09 7e-16 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 7.9842e-01 7.9591e-01 5e+00 1e+00 2e-16 2e-01
2: 1.9017e+00 1.8993e+00 2e+00 5e-01 2e-15 6e-02
3: 1.9763e+00 1.9744e+00 2e-01 7e-02 1e-15 6e-03
4: 1.9997e+00 1.9997e+00 3e-03 8e-04 5e-16 7e-05
5: 2.0000e+00 2.0000e+00 3e-05 8e-06 4e-16 7e-07
6: 2.0000e+00 2.0000e+00 3e-07 8e-08 4e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.3291e-01 9.2983e-01 5e+00 2e+00 3e-16 2e-01
2: 1.9158e+00 1.9135e+00 2e+00 5e-01 2e-15 6e-02
3: 1.9869e+00 1.9860e+00 9e-02 3e-02 1e-15 2e-03
4: 1.9999e+00 1.9999e+00 9e-04 3e-04 3e-16 2e-05
5: 2.0000e+00 2.0000e+00 9e-06 3e-06 3e-16 2e-07
6: 2.0000e+00 2.0000e+00 9e-08 3e-08 2e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 9.4981e-01 9.4670e-01 5e+00 2e+00 1e-16 2e-01
2: 1.9047e+00 1.9035e+00 1e+00 4e-01 1e-15 4e-02
3: 1.9210e+00 1.9197e+00 4e-01 1e-01 2e-15 1e-02
4: 1.9991e+00 1.9991e+00 7e-03 2e-03 5e-16 2e-04
5: 2.0000e+00 2.0000e+00 7e-05 2e-05 6e-16 2e-06
6: 2.0000e+00 2.0000e+00 7e-07 2e-07 6e-16 2e-08
7: 2.0000e+00 2.0000e+00 7e-09 2e-09 8e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 8.3772e-01 8.3438e-01 5e+00 2e+00 2e-16 2e-01
2: 1.8576e+00 1.8560e+00 1e+00 4e-01 3e-15 3e-02
3: 1.9786e+00 1.9776e+00 4e-01 1e-01 2e-15 1e-02
4: 1.9983e+00 1.9981e+00 2e-02 7e-03 2e-15 6e-04
5: 2.0000e+00 2.0000e+00 2e-04 7e-05 7e-16 6e-06
6: 2.0000e+00 2.0000e+00 2e-06 7e-07 9e-16 6e-08
7: 2.0000e+00 2.0000e+00 2e-08 7e-09 7e-16 6e-10

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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2161e+00	1.2128e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9700e+00	1.9691e+00	8e-01	2e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	8e-03	3e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7583e-01	8.7266e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8979e+00	1.8954e+00	2e+00	6e-01	6e-16	6e-02
3:	1.9723e+00	1.9705e+00	2e-01	6e-02	2e-15	5e-03
4:	1.9997e+00	1.9997e+00	2e-03	7e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	2e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0346e+00	1.0313e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8917e+00	1.8897e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9949e+00	1.9946e+00	5e-02	2e-02	1e-15	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.2126e-01	6.1940e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8984e+00	1.8961e+00	9e-01	3e-01	1e-15	3e-02
3:	1.9939e+00	1.9920e+00	3e-01	9e-02	3e-15	9e-03
4:	1.9989e+00	1.9988e+00	8e-03	3e-03	2e-15	2e-04
5:	2.0000e+00	2.0000e+00	8e-05	3e-05	9e-16	2e-06
6:	2.0000e+00	2.0000e+00	8e-07	3e-07	2e-15	2e-08
7:	2.0000e+00	2.0000e+00	8e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5831e+00	1.5799e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7748e+00	2.7728e+00	2e+00	6e-01	1e-15	6e-02
3:	2.9850e+00	2.9844e+00	1e-01	4e-02	1e-15	4e-03
4:	2.9999e+00	2.9998e+00	1e-03	4e-04	4e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	6.7886e-01	6.7665e-01	4e+00	1e+00	2e-16	2e-01
2:	2.0484e+00	2.0463e+00	8e-01	3e-01	2e-15	3e-02
3:	2.2394e+00	2.2385e+00	2e-01	5e-02	1e-15	6e-03
4:	2.2620e+00	2.2617e+00	4e-02	1e-02	3e-15	1e-03
5:	2.2677e+00	2.2676e+00	8e-03	3e-03	3e-15	2e-04
6:	2.2695e+00	2.2695e+00	3e-04	9e-05	3e-15	8e-06
7:	2.2695e+00	2.2695e+00	3e-06	9e-07	5e-15	8e-08
8:	2.2695e+00	2.2695e+00	3e-08	9e-09	4e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3173e+00	1.3153e+00	5e+00	2e+00	3e-16	1e-01
2:	2.4959e+00	2.4951e+00	1e+00	5e-01	4e-16	4e-02
3:	2.9369e+00	2.9365e+00	5e-01	2e-01	6e-16	1e-02
4:	2.9528e+00	2.9525e+00	2e-01	7e-02	5e-15	5e-03
5:	2.9930e+00	2.9929e+00	4e-02	1e-02	9e-16	9e-04
6:	2.9999e+00	2.9999e+00	4e-04	1e-04	4e-15	1e-05
7:	3.0000e+00	3.0000e+00	4e-06	1e-06	5e-15	1e-07
8:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8027e+00	1.8001e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9161e+00	2.9153e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9978e+00	2.9978e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	5e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	3e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2279e+00	1.2246e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4635e+00	2.4620e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8218e+00	2.8213e+00	3e-01	1e-01	2e-15	1e-02
4:	2.9026e+00	2.9024e+00	8e-02	2e-02	2e-15	2e-03
5:	2.9202e+00	2.9202e+00	1e-02	4e-03	6e-15	4e-04
6:	2.9230e+00	2.9230e+00	1e-03	5e-04	2e-14	4e-05
7:	2.9233e+00	2.9233e+00	2e-04	5e-05	1e-14	4e-06
8:	2.9234e+00	2.9234e+00	2e-06	5e-07	3e-14	4e-08
9:	2.9234e+00	2.9234e+00	2e-08	5e-09	2e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7368e+00	1.7336e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9127e+00	2.9114e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9983e+00	2.9982e+00	2e-02	6e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	5e-16	5e-08

6: 3.0000e+00 3.0000e+00 2e-08 6e-09 1e-15 5e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.9220e-01	6.9035e-01	4e+00	1e+00	2e-16	1e-01
2:	2.0927e+00	2.0906e+00	8e-01	3e-01	2e-15	3e-02
3:	2.1501e+00	2.1486e+00	3e-01	1e-01	1e-15	1e-02
4:	2.2450e+00	2.2444e+00	7e-02	2e-02	6e-16	2e-03
5:	2.2540e+00	2.2538e+00	2e-02	6e-03	3e-15	6e-04
6:	2.2599e+00	2.2599e+00	2e-03	7e-04	1e-15	6e-05
7:	2.2603e+00	2.2603e+00	3e-04	8e-05	2e-13	6e-06
8:	2.2604e+00	2.2604e+00	3e-05	8e-06	9e-14	6e-07
9:	2.2604e+00	2.2604e+00	3e-07	8e-08	1e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7827e+00	1.7794e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9414e+00	2.9402e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	2e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	5e-16	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1269e+00	1.1236e+00	5e+00	2e+00	2e-16	2e-01
2:	2.2805e+00	2.2786e+00	1e+00	4e-01	1e-15	4e-02
3:	2.6704e+00	2.6695e+00	5e-01	2e-01	7e-16	1e-02
4:	2.7215e+00	2.7208e+00	2e-01	5e-02	4e-15	5e-03
5:	2.7636e+00	2.7635e+00	2e-02	5e-03	6e-16	4e-04
6:	2.7678e+00	2.7678e+00	4e-04	1e-04	6e-16	1e-05
7:	2.7679e+00	2.7679e+00	4e-06	1e-06	7e-16	1e-07
8:	2.7679e+00	2.7679e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3542e+00	1.3511e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8376e+00	2.8364e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9525e+00	2.9515e+00	3e-01	9e-02	5e-15	7e-03
4:	2.9995e+00	2.9995e+00	5e-03	2e-03	7e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	9e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0733e+00	1.0701e+00	6e+00	2e+00	2e-16	2e-01
2:	2.4113e+00	2.4099e+00	1e+00	4e-01	9e-16	3e-02
3:	2.7011e+00	2.7005e+00	4e-01	1e-01	6e-16	1e-02
4:	2.7461e+00	2.7458e+00	2e-01	5e-02	2e-15	4e-03

5:	2.7919e+00	2.7918e+00	5e-02	1e-02	1e-15	1e-03
6:	2.8001e+00	2.8001e+00	2e-03	8e-04	2e-15	6e-05
7:	2.8006e+00	2.8006e+00	2e-05	8e-06	3e-15	6e-07
8:	2.8006e+00	2.8006e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5692e+00	1.5659e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8117e+00	2.8096e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9818e+00	2.9813e+00	1e-01	4e-02	3e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2121e+00	1.2097e+00	5e+00	2e+00	3e-16	1e-01
2:	2.5538e+00	2.5529e+00	1e+00	3e-01	9e-16	3e-02
3:	2.7446e+00	2.7442e+00	4e-01	1e-01	1e-15	1e-02
4:	2.8467e+00	2.8466e+00	8e-02	2e-02	9e-16	2e-03
5:	2.8639e+00	2.8639e+00	2e-02	6e-03	1e-15	5e-04
6:	2.8655e+00	2.8655e+00	8e-03	2e-03	9e-15	2e-04
7:	2.8675e+00	2.8675e+00	5e-04	1e-04	1e-15	1e-05
8:	2.8676e+00	2.8676e+00	5e-06	1e-06	2e-15	1e-07
9:	2.8676e+00	2.8676e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7703e+00	1.7675e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8351e+00	2.8339e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9968e+00	2.9967e+00	3e-02	1e-02	1e-15	9e-04
4:	3.0000e+00	3.0000e+00	3e-04	1e-04	7e-16	9e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	3e-16	9e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.4872e-01	6.4651e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7629e+00	1.7609e+00	9e-01	3e-01	1e-15	3e-02
3:	2.0160e+00	2.0155e+00	2e-01	5e-02	1e-15	5e-03
4:	2.0426e+00	2.0423e+00	6e-02	2e-02	3e-15	2e-03
5:	2.0604e+00	2.0604e+00	9e-03	3e-03	2e-15	3e-04
6:	2.0620e+00	2.0619e+00	2e-03	5e-04	1e-14	5e-05
7:	2.0623e+00	2.0623e+00	2e-04	6e-05	3e-14	5e-06
8:	2.0624e+00	2.0624e+00	5e-05	2e-05	3e-12	1e-06
9:	2.0624e+00	2.0624e+00	9e-06	3e-06	6e-13	2e-07
10:	2.0624e+00	2.0624e+00	1e-07	4e-08	2e-12	3e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3048e+00	1.3020e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5059e+00	2.5044e+00	2e+00	6e-01	3e-15	5e-02
3:	2.8351e+00	2.8345e+00	6e-01	2e-01	1e-15	2e-02
4:	2.9408e+00	2.9406e+00	2e-01	5e-02	6e-16	5e-03
5:	2.9758e+00	2.9758e+00	2e-02	6e-03	2e-15	6e-04
6:	2.9791e+00	2.9791e+00	2e-03	7e-04	7e-15	6e-05
7:	2.9796e+00	2.9796e+00	3e-05	9e-06	4e-15	7e-07
8:	2.9796e+00	2.9796e+00	3e-07	9e-08	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1489e+00	1.1471e+00	5e+00	2e+00	2e-16	1e-01
2:	1.8571e+00	1.8564e+00	1e+00	4e-01	2e-15	3e-02
3:	2.1384e+00	2.1382e+00	3e-01	9e-02	1e-15	8e-03
4:	2.1933e+00	2.1932e+00	1e-01	3e-02	5e-15	3e-03
5:	2.2229e+00	2.2228e+00	2e-02	8e-03	2e-15	6e-04
6:	2.2288e+00	2.2288e+00	3e-03	1e-03	2e-15	8e-05
7:	2.2297e+00	2.2297e+00	4e-04	1e-04	7e-15	1e-05
8:	2.2298e+00	2.2298e+00	7e-05	2e-05	1e-13	2e-06
9:	2.2298e+00	2.2298e+00	7e-07	2e-07	8e-15	2e-08
10:	2.2298e+00	2.2298e+00	7e-09	2e-09	7e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6629e+00	1.6595e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9391e+00	2.9378e+00	1e+00	4e-01	3e-15	4e-02
3:	2.9959e+00	2.9958e+00	3e-02	1e-02	4e-15	9e-04
4:	3.0000e+00	3.0000e+00	3e-04	1e-04	1e-15	9e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	9e-16	9e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6904e+00	1.6870e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9340e+00	2.9329e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9909e+00	2.9906e+00	5e-02	2e-02	8e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2564e+00	1.2530e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8026e+00	2.8008e+00	1e+00	5e-01	3e-15	4e-02
3:	2.8748e+00	2.8724e+00	5e-01	2e-01	3e-15	1e-02
4:	2.9985e+00	2.9984e+00	9e-03	3e-03	5e-16	2e-04

5:	3.0000e+00	3.0000e+00	9e-05	3e-05	4e-16	2e-06
6:	3.0000e+00	3.0000e+00	9e-07	3e-07	6e-16	2e-08
7:	3.0000e+00	3.0000e+00	9e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5854e+00	1.5827e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7892e+00	2.7880e+00	2e+00	5e-01	3e-15	5e-02
3:	2.9824e+00	2.9820e+00	2e-01	5e-02	1e-15	4e-03
4:	2.9998e+00	2.9998e+00	2e-03	5e-04	5e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4825e+00	1.4796e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9465e+00	2.9447e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9861e+00	2.9856e+00	8e-02	3e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	9e-04	3e-04	5e-16	2e-05
5:	3.0000e+00	3.0000e+00	9e-06	3e-06	9e-16	2e-07
6:	3.0000e+00	3.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9963e+00	1.9941e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9186e+00	2.9182e+00	8e-01	3e-01	1e-15	2e-02
3:	2.9991e+00	2.9991e+00	9e-03	3e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	1e-15	3e-08
6:	3.0000e+00	3.0000e+00	9e-09	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.9848e-01	4.9663e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8659e+00	1.8640e+00	5e-01	2e-01	7e-16	2e-02
3:	1.9916e+00	1.9911e+00	1e-01	3e-02	2e-15	3e-03
4:	2.0107e+00	2.0105e+00	3e-02	8e-03	4e-15	8e-04
5:	2.0135e+00	2.0135e+00	6e-03	2e-03	2e-14	2e-04
6:	2.0146e+00	2.0146e+00	4e-04	1e-04	2e-15	1e-05
7:	2.0147e+00	2.0147e+00	4e-06	1e-06	2e-14	1e-07
8:	2.0147e+00	2.0147e+00	4e-08	1e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.7907e-01	9.7621e-01	5e+00	1e+00	2e-16	2e-01
2:	2.4294e+00	2.4277e+00	1e+00	3e-01	2e-15	3e-02
3:	2.6444e+00	2.6436e+00	3e-01	9e-02	6e-16	9e-03
4:	2.7416e+00	2.7414e+00	4e-02	1e-02	1e-15	1e-03

5:	2.7507e+00	2.7507e+00	8e-03	3e-03	1e-14	2e-04
6:	2.7528e+00	2.7528e+00	1e-04	3e-05	1e-14	3e-06
7:	2.7528e+00	2.7528e+00	1e-06	3e-07	7e-15	3e-08
8:	2.7528e+00	2.7528e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5030e+00	1.4996e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8719e+00	2.8703e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9880e+00	2.9877e+00	9e-02	3e-02	5e-15	3e-03
4:	2.9999e+00	2.9999e+00	9e-04	3e-04	6e-16	3e-05
5:	3.0000e+00	3.0000e+00	9e-06	3e-06	7e-16	3e-07
6:	3.0000e+00	3.0000e+00	9e-08	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2306e+00	1.2273e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7722e+00	2.7709e+00	8e-01	3e-01	2e-15	2e-02
3:	2.9727e+00	2.9719e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9893e+00	2.9889e+00	6e-02	2e-02	9e-15	1e-03
5:	2.9999e+00	2.9999e+00	6e-04	2e-04	1e-15	2e-05
6:	3.0000e+00	3.0000e+00	6e-06	2e-06	9e-16	2e-07
7:	3.0000e+00	3.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6173e+00	1.6141e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7630e+00	2.7610e+00	2e+00	7e-01	1e-15	6e-02
3:	2.9762e+00	2.9754e+00	2e-01	6e-02	1e-15	5e-03
4:	2.9998e+00	2.9998e+00	2e-03	6e-04	3e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0197e+00	1.0168e+00	5e+00	1e+00	2e-16	2e-01
2:	2.3634e+00	2.3616e+00	1e+00	4e-01	2e-15	4e-02
3:	2.6307e+00	2.6298e+00	4e-01	1e-01	2e-15	1e-02
4:	2.6893e+00	2.6890e+00	6e-02	2e-02	3e-15	2e-03
5:	2.7051e+00	2.7050e+00	1e-02	4e-03	2e-15	4e-04
6:	2.7077e+00	2.7076e+00	2e-03	6e-04	4e-15	5e-05
7:	2.7081e+00	2.7081e+00	2e-05	6e-06	7e-16	5e-07
8:	2.7081e+00	2.7081e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5700e+00	1.5667e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9642e+00	2.9628e+00	1e+00	3e-01	2e-15	3e-02

3:	2.9889e+00	2.9883e+00	8e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4835e+00	1.4801e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8131e+00	2.8113e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9835e+00	2.9829e+00	2e-01	7e-02	5e-15	6e-03
4:	2.9998e+00	2.9998e+00	2e-03	7e-04	1e-15	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	7e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9756e+00	1.9740e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8965e+00	2.8961e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9984e+00	2.9984e+00	2e-02	6e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	7e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	8e-16	5e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0228e+00	1.0203e+00	4e+00	1e+00	2e-16	2e-01
2:	2.6021e+00	2.6003e+00	9e-01	3e-01	1e-15	3e-02
3:	2.9102e+00	2.9096e+00	2e-01	5e-02	5e-16	6e-03
4:	2.9558e+00	2.9556e+00	4e-02	1e-02	4e-15	1e-03
5:	2.9611e+00	2.9610e+00	4e-03	1e-03	3e-14	1e-04
6:	2.9619e+00	2.9619e+00	5e-04	2e-04	4e-14	1e-05
7:	2.9620e+00	2.9620e+00	7e-06	2e-06	5e-15	2e-07
8:	2.9620e+00	2.9620e+00	7e-08	2e-08	8e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4516e+00	1.4491e+00	6e+00	2e+00	2e-16	2e-01
2:	2.1635e+00	2.1621e+00	2e+00	6e-01	2e-15	5e-02
3:	2.6467e+00	2.6461e+00	6e-01	2e-01	1e-15	2e-02
4:	2.7498e+00	2.7496e+00	1e-01	3e-02	1e-15	3e-03
5:	2.7776e+00	2.7776e+00	2e-02	5e-03	5e-16	4e-04
6:	2.7814e+00	2.7814e+00	4e-04	1e-04	2e-15	1e-05
7:	2.7815e+00	2.7815e+00	4e-06	1e-06	5e-16	1e-07
8:	2.7815e+00	2.7815e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5888e+00	1.5854e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8989e+00	2.8974e+00	1e+00	4e-01	2e-15	4e-02

3:	2.9885e+00	2.9879e+00	8e-02	3e-02	3e-15	2e-03
4:	2.9999e+00	2.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	3e-06	2e-16	2e-07
6:	3.0000e+00	3.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0716e+00	1.0685e+00	5e+00	2e+00	3e-16	2e-01
2:	2.2669e+00	2.2659e+00	9e-01	3e-01	9e-16	3e-02
3:	2.4453e+00	2.4450e+00	2e-01	6e-02	1e-15	5e-03
4:	2.4928e+00	2.4927e+00	6e-02	2e-02	1e-15	2e-03
5:	2.5052e+00	2.5051e+00	1e-02	4e-03	2e-15	3e-04
6:	2.5087e+00	2.5087e+00	2e-03	6e-04	8e-16	5e-05
7:	2.5091e+00	2.5091e+00	3e-04	9e-05	5e-15	7e-06
8:	2.5092e+00	2.5092e+00	3e-06	9e-07	7e-16	7e-08
9:	2.5092e+00	2.5092e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.1718e-01	9.1381e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2349e+00	2.2329e+00	1e+00	5e-01	1e-15	5e-02
3:	2.5176e+00	2.5168e+00	5e-01	1e-01	9e-16	1e-02
4:	2.5965e+00	2.5964e+00	4e-02	1e-02	7e-16	1e-03
5:	2.6083e+00	2.6083e+00	1e-02	4e-03	2e-15	3e-04
6:	2.6102e+00	2.6102e+00	1e-03	3e-04	3e-15	3e-05
7:	2.6105e+00	2.6105e+00	1e-05	4e-06	7e-16	3e-07
8:	2.6105e+00	2.6105e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8614e+00	1.8582e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9601e+00	2.9594e+00	7e-01	2e-01	3e-15	2e-02
3:	2.9995e+00	2.9995e+00	8e-03	3e-03	2e-15	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7084e+00	1.7055e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8414e+00	2.8401e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9895e+00	2.9892e+00	8e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	8e-04	3e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	3e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6134e+00	1.6103e+00	6e+00	2e+00	2e-16	2e-01

2:	2.8147e+00	2.8134e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9763e+00	2.9760e+00	1e-01	5e-02	2e-15	4e-03
4:	2.9998e+00	2.9998e+00	2e-03	5e-04	7e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	9e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2846e+00	1.2821e+00	5e+00	2e+00	2e-16	1e-01
2:	2.7879e+00	2.7871e+00	9e-01	3e-01	1e-15	3e-02
3:	2.9737e+00	2.9734e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9856e+00	2.9854e+00	7e-02	2e-02	5e-15	2e-03
5:	2.9998e+00	2.9998e+00	9e-04	3e-04	1e-15	2e-05
6:	3.0000e+00	3.0000e+00	9e-06	3e-06	3e-15	2e-07
7:	3.0000e+00	3.0000e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3827e+00	1.3794e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8563e+00	2.8541e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9654e+00	2.9643e+00	2e-01	5e-02	2e-15	4e-03
4:	2.9997e+00	2.9996e+00	2e-03	6e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9142e+00	1.9130e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9161e+00	2.9158e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	6e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4306e+00	1.4298e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6087e+00	2.6085e+00	1e+00	4e-01	8e-16	3e-02
3:	2.9820e+00	2.9819e+00	2e-01	7e-02	7e-16	6e-03
4:	2.9872e+00	2.9872e+00	8e-02	3e-02	7e-15	2e-03
5:	2.9998e+00	2.9998e+00	1e-03	4e-04	4e-15	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	6e-15	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7610e+00	1.7590e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8766e+00	2.8758e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9967e+00	2.9967e+00	3e-02	1e-02	1e-15	8e-04

4:	3.0000e+00	3.0000e+00	3e-04	1e-04	5e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	5e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0447e+00	2.0438e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9171e+00	2.9169e+00	9e-01	3e-01	1e-15	2e-02
3:	2.9991e+00	2.9991e+00	1e-02	3e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1623e+00	1.1590e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3579e+00	2.3556e+00	2e+00	6e-01	3e-15	6e-02
3:	2.7391e+00	2.7382e+00	4e-01	1e-01	2e-15	1e-02
4:	2.8833e+00	2.8830e+00	1e-01	5e-02	1e-15	4e-03
5:	2.9005e+00	2.9002e+00	5e-02	2e-02	3e-15	1e-03
6:	2.9157e+00	2.9157e+00	7e-03	2e-03	8e-16	2e-04
7:	2.9177e+00	2.9177e+00	2e-04	6e-05	5e-15	5e-06
8:	2.9177e+00	2.9177e+00	2e-06	6e-07	6e-15	5e-08
9:	2.9177e+00	2.9177e+00	2e-08	6e-09	7e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3059e+00	1.3026e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7888e+00	2.7870e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9769e+00	2.9757e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9990e+00	2.9990e+00	7e-03	2e-03	3e-15	2e-04
5:	3.0000e+00	3.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	3.0000e+00	3.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3258e+00	1.3225e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8243e+00	2.8225e+00	1e+00	5e-01	2e-15	5e-02
3:	2.8991e+00	2.8974e+00	4e-01	1e-01	3e-15	1e-02
4:	2.9989e+00	2.9989e+00	5e-03	2e-03	4e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	6e-16	1e-08
7:	3.0000e+00	3.0000e+00	5e-09	2e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9936e+00	1.9915e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9363e+00	2.9359e+00	8e-01	2e-01	2e-15	2e-02
3:	2.9993e+00	2.9993e+00	8e-03	3e-03	9e-16	2e-04

4:	3.0000e+00	3.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	3e-07	8e-16	2e-08
6:	3.0000e+00	3.0000e+00	8e-09	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8977e+00	1.8945e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6770e+00	3.6754e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9699e+00	3.9692e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9992e+00	3.9992e+00	7e-03	2e-03	2e-15	2e-04
5:	4.0000e+00	4.0000e+00	7e-05	2e-05	9e-16	2e-06
6:	4.0000e+00	4.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6196e+00	1.6163e+00	5e+00	2e+00	3e-16	2e-01
2:	3.0134e+00	3.0116e+00	2e+00	5e-01	3e-15	5e-02
3:	3.2933e+00	3.2927e+00	3e-01	1e-01	2e-15	9e-03
4:	3.3878e+00	3.3876e+00	7e-02	2e-02	1e-15	2e-03
5:	3.4042e+00	3.4041e+00	2e-02	5e-03	2e-15	5e-04
6:	3.4068e+00	3.4068e+00	2e-03	8e-04	2e-14	7e-05
7:	3.4075e+00	3.4075e+00	2e-04	5e-05	1e-15	4e-06
8:	3.4075e+00	3.4075e+00	2e-06	5e-07	4e-15	4e-08
9:	3.4075e+00	3.4075e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4382e+00	1.4349e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7329e+00	2.7314e+00	2e+00	5e-01	2e-15	5e-02
3:	3.2445e+00	3.2440e+00	3e-01	9e-02	2e-15	9e-03
4:	3.3330e+00	3.3328e+00	9e-02	3e-02	3e-15	3e-03
5:	3.3482e+00	3.3481e+00	2e-02	6e-03	5e-15	5e-04
6:	3.3535e+00	3.3534e+00	2e-03	6e-04	3e-15	5e-05
7:	3.3536e+00	3.3536e+00	1e-03	3e-04	3e-13	3e-05
8:	3.3538e+00	3.3538e+00	2e-04	6e-05	6e-14	5e-06
9:	3.3539e+00	3.3539e+00	2e-06	8e-07	8e-14	6e-08
10:	3.3539e+00	3.3539e+00	2e-08	8e-09	7e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1376e+00	2.1362e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8002e+00	3.7996e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9671e+00	3.9669e+00	4e-01	1e-01	3e-15	1e-02
4:	3.9994e+00	3.9994e+00	6e-03	2e-03	3e-15	2e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	9e-16	2e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2498e+00	2.2476e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8085e+00	3.8075e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9796e+00	3.9794e+00	1e-01	4e-02	3e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1696e+00	2.1666e+00	6e+00	2e+00	3e-16	2e-01
2:	3.5657e+00	3.5647e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9290e+00	3.9283e+00	5e-01	2e-01	2e-15	1e-02
4:	3.9923e+00	3.9922e+00	5e-02	2e-02	2e-15	1e-03
5:	3.9999e+00	3.9999e+00	5e-04	2e-04	5e-16	1e-05
6:	4.0000e+00	4.0000e+00	5e-06	2e-06	8e-16	1e-07
7:	4.0000e+00	4.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7502e+00	2.7492e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9111e+00	3.9110e+00	7e-01	2e-01	1e-15	2e-02
3:	3.9981e+00	3.9981e+00	1e-02	4e-03	2e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	6e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8931e+00	1.8904e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7393e+00	3.7380e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9895e+00	3.9891e+00	2e-01	7e-02	4e-15	6e-03
4:	3.9998e+00	3.9998e+00	3e-03	8e-04	3e-15	7e-05
5:	4.0000e+00	4.0000e+00	3e-05	8e-06	2e-15	7e-07
6:	4.0000e+00	4.0000e+00	3e-07	8e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5310e+00	1.5277e+00	5e+00	2e+00	3e-16	2e-01
2:	3.2651e+00	3.2633e+00	1e+00	4e-01	1e-15	4e-02
3:	3.3973e+00	3.3961e+00	3e-01	1e-01	4e-15	9e-03
4:	3.4982e+00	3.4980e+00	6e-02	2e-02	9e-16	2e-03
5:	3.5133e+00	3.5132e+00	7e-03	2e-03	3e-15	2e-04
6:	3.5153e+00	3.5153e+00	2e-03	5e-04	8e-16	4e-05
7:	3.5157e+00	3.5157e+00	5e-05	1e-05	2e-15	1e-06
8:	3.5157e+00	3.5157e+00	5e-07	1e-07	7e-16	1e-08
9:	3.5157e+00	3.5157e+00	5e-09	1e-09	1e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7054e+00	1.7021e+00	5e+00	2e+00	3e-16	2e-01
2:	3.7983e+00	3.7963e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9351e+00	3.9335e+00	4e-01	1e-01	3e-15	1e-02
4:	3.9973e+00	3.9971e+00	2e-02	7e-03	2e-15	5e-04
5:	4.0000e+00	4.0000e+00	2e-04	7e-05	1e-15	5e-06
6:	4.0000e+00	4.0000e+00	2e-06	7e-07	2e-15	5e-08
7:	4.0000e+00	4.0000e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8808e-01	8.8520e-01	5e+00	1e+00	2e-16	2e-01
2:	2.6034e+00	2.6015e+00	9e-01	3e-01	1e-15	3e-02
3:	2.8573e+00	2.8566e+00	3e-01	9e-02	8e-16	9e-03
4:	2.8912e+00	2.8908e+00	8e-02	2e-02	4e-15	2e-03
5:	2.9078e+00	2.9077e+00	1e-02	4e-03	2e-15	4e-04
6:	2.9113e+00	2.9113e+00	2e-04	7e-05	3e-15	6e-06
7:	2.9113e+00	2.9113e+00	2e-06	7e-07	3e-15	6e-08
8:	2.9113e+00	2.9113e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4305e+00	1.4273e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9826e+00	2.9809e+00	2e+00	5e-01	9e-16	5e-02
3:	3.5554e+00	3.5547e+00	3e-01	1e-01	2e-15	1e-02
4:	3.6145e+00	3.6141e+00	8e-02	2e-02	8e-15	2e-03
5:	3.6338e+00	3.6337e+00	1e-02	4e-03	3e-15	3e-04
6:	3.6366e+00	3.6366e+00	2e-04	8e-05	4e-15	6e-06
7:	3.6366e+00	3.6366e+00	2e-06	8e-07	2e-15	6e-08
8:	3.6366e+00	3.6366e+00	2e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7879e+00	1.7847e+00	5e+00	2e+00	1e-16	2e-01
2:	3.4659e+00	3.4649e+00	8e-01	2e-01	2e-15	2e-02
3:	3.6649e+00	3.6645e+00	2e-01	5e-02	1e-15	5e-03
4:	3.7156e+00	3.7155e+00	2e-02	5e-03	3e-15	4e-04
5:	3.7196e+00	3.7196e+00	1e-03	4e-04	3e-15	3e-05
6:	3.7198e+00	3.7198e+00	2e-04	6e-05	5e-13	4e-06
7:	3.7198e+00	3.7198e+00	6e-06	2e-06	3e-14	1e-07
8:	3.7198e+00	3.7198e+00	6e-08	2e-08	8e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0386e+00	1.0359e+00	5e+00	1e+00	2e-16	2e-01
2:	2.5130e+00	2.5107e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8098e+00	2.8091e+00	2e-01	7e-02	7e-16	8e-03

4:	2.8512e+00	2.8511e+00	3e-02	8e-03	2e-15	8e-04
5:	2.8577e+00	2.8577e+00	3e-03	8e-04	1e-15	8e-05
6:	2.8582e+00	2.8582e+00	3e-05	8e-06	8e-16	8e-07
7:	2.8582e+00	2.8582e+00	3e-07	8e-08	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3259e+00	2.3229e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8659e+00	3.8648e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9962e+00	3.9961e+00	3e-02	8e-03	2e-15	7e-04
4:	4.0000e+00	4.0000e+00	3e-04	8e-05	7e-16	7e-06
5:	4.0000e+00	4.0000e+00	3e-06	8e-07	7e-16	7e-08
6:	4.0000e+00	4.0000e+00	3e-08	8e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2492e+00	2.2468e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7431e+00	3.7419e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9623e+00	3.9619e+00	2e-01	6e-02	4e-15	5e-03
4:	3.9996e+00	3.9996e+00	2e-03	6e-04	5e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1361e+00	1.1328e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5308e+00	2.5291e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8217e+00	2.8210e+00	4e-01	1e-01	1e-15	1e-02
4:	2.8661e+00	2.8658e+00	1e-01	3e-02	1e-15	3e-03
5:	2.8971e+00	2.8970e+00	2e-02	6e-03	5e-16	5e-04
6:	2.9014e+00	2.9014e+00	5e-04	2e-04	4e-16	1e-05
7:	2.9014e+00	2.9014e+00	6e-05	2e-05	2e-13	2e-06
8:	2.9015e+00	2.9015e+00	2e-06	8e-07	1e-13	6e-08
9:	2.9015e+00	2.9015e+00	2e-08	8e-09	4e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4502e+00	1.4480e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6921e+00	2.6913e+00	1e+00	4e-01	1e-15	4e-02
3:	2.8037e+00	2.8031e+00	5e-01	2e-01	1e-14	1e-02
4:	2.9356e+00	2.9354e+00	2e-01	5e-02	4e-15	4e-03
5:	2.9625e+00	2.9624e+00	4e-02	1e-02	2e-15	1e-03
6:	2.9690e+00	2.9690e+00	7e-03	2e-03	9e-15	2e-04
7:	2.9707e+00	2.9707e+00	6e-04	2e-04	2e-15	1e-05
8:	2.9708e+00	2.9708e+00	6e-06	2e-06	3e-15	1e-07
9:	2.9708e+00	2.9708e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4448e+00	1.4416e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3841e+00	3.3827e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7007e+00	3.6999e+00	5e-01	1e-01	1e-15	1e-02
4:	3.7885e+00	3.7882e+00	8e-02	2e-02	1e-15	2e-03
5:	3.8074e+00	3.8074e+00	1e-02	4e-03	2e-15	3e-04
6:	3.8094e+00	3.8094e+00	2e-03	7e-04	6e-14	6e-05
7:	3.8100e+00	3.8100e+00	4e-05	1e-05	2e-15	9e-07
8:	3.8100e+00	3.8100e+00	4e-07	1e-07	1e-14	9e-09
9:	3.8100e+00	3.8100e+00	4e-09	1e-09	1e-14	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1097e+00	1.1065e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6555e+00	2.6537e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9328e+00	2.9321e+00	2e-01	7e-02	9e-16	7e-03
4:	2.9910e+00	2.9908e+00	3e-02	9e-03	3e-15	8e-04
5:	2.9976e+00	2.9976e+00	3e-03	8e-04	3e-15	7e-05
6:	2.9980e+00	2.9980e+00	3e-05	8e-06	3e-15	8e-07
7:	2.9980e+00	2.9980e+00	3e-07	8e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5733e+00	1.5700e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4231e+00	3.4215e+00	1e+00	3e-01	2e-15	3e-02
3:	3.7271e+00	3.7267e+00	2e-01	8e-02	7e-16	7e-03
4:	3.7591e+00	3.7589e+00	9e-02	3e-02	2e-14	3e-03
5:	3.7848e+00	3.7848e+00	1e-02	4e-03	7e-15	4e-04
6:	3.7871e+00	3.7870e+00	2e-03	7e-04	4e-14	6e-05
7:	3.7876e+00	3.7876e+00	3e-05	8e-06	1e-14	7e-07
8:	3.7876e+00	3.7876e+00	3e-07	8e-08	8e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9752e+00	1.9719e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7928e+00	3.7911e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9670e+00	3.9659e+00	2e-01	5e-02	4e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	6e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7049e+00	1.7024e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0302e+00	3.0292e+00	1e+00	4e-01	1e-15	4e-02
3:	3.3229e+00	3.3225e+00	3e-01	1e-01	1e-15	9e-03
4:	3.4095e+00	3.4093e+00	1e-01	4e-02	1e-15	3e-03
5:	3.4312e+00	3.4311e+00	1e-02	5e-03	2e-15	4e-04

6:	3.4357e+00	3.4356e+00	4e-03	1e-03	1e-15	9e-05
7:	3.4364e+00	3.4364e+00	4e-04	1e-04	6e-15	1e-05
8:	3.4365e+00	3.4365e+00	4e-06	1e-06	9e-16	1e-07
9:	3.4365e+00	3.4365e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.7107e-01	6.6809e-01	5e+00	2e+00	1e-16	2e-01
2:	1.8590e+00	1.8569e+00	1e+00	4e-01	1e-15	4e-02
3:	2.1327e+00	2.1314e+00	5e-01	2e-01	8e-16	2e-02
4:	2.2021e+00	2.2016e+00	1e-01	4e-02	9e-16	4e-03
5:	2.2328e+00	2.2326e+00	3e-02	1e-02	5e-16	1e-03
6:	2.2369e+00	2.2369e+00	9e-03	3e-03	4e-15	2e-04
7:	2.2388e+00	2.2387e+00	1e-03	3e-04	3e-15	3e-05
8:	2.2390e+00	2.2390e+00	2e-05	6e-06	5e-16	5e-07
9:	2.2390e+00	2.2390e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3253e+00	1.3226e+00	5e+00	1e+00	2e-16	2e-01
2:	2.9941e+00	2.9922e+00	1e+00	4e-01	2e-15	4e-02
3:	3.2396e+00	3.2389e+00	3e-01	9e-02	2e-15	9e-03
4:	3.3137e+00	3.3135e+00	6e-02	2e-02	1e-15	2e-03
5:	3.3313e+00	3.3313e+00	1e-02	4e-03	7e-15	4e-04
6:	3.3341e+00	3.3341e+00	4e-04	1e-04	1e-14	1e-05
7:	3.3342e+00	3.3342e+00	4e-06	1e-06	5e-15	1e-07
8:	3.3342e+00	3.3342e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7486e+00	1.7453e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4783e+00	3.4770e+00	1e+00	3e-01	1e-15	3e-02
3:	3.6023e+00	3.6015e+00	4e-01	1e-01	2e-15	1e-02
4:	3.7181e+00	3.7178e+00	1e-01	4e-02	1e-15	3e-03
5:	3.7461e+00	3.7460e+00	2e-02	5e-03	2e-15	4e-04
6:	3.7505e+00	3.7505e+00	3e-03	8e-04	3e-15	7e-05
7:	3.7511e+00	3.7511e+00	4e-05	1e-05	9e-15	1e-06
8:	3.7511e+00	3.7511e+00	4e-07	1e-07	4e-15	1e-08
9:	3.7511e+00	3.7511e+00	4e-09	1e-09	5e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7490e+00	1.7456e+00	5e+00	2e+00	3e-16	2e-01
2:	3.7090e+00	3.7072e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9351e+00	3.9335e+00	5e-01	1e-01	2e-15	1e-02
4:	3.9924e+00	3.9921e+00	4e-02	1e-02	4e-15	1e-03
5:	3.9999e+00	3.9999e+00	4e-04	1e-04	7e-16	1e-05
6:	4.0000e+00	4.0000e+00	4e-06	1e-06	7e-16	1e-07

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7: 4.0000e+00 4.0000e+00 4e-08 1e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.1523e+00 1.1492e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8504e+00 2.8485e+00 1e+00 3e-01 2e-15 3e-02
3: 3.0364e+00 3.0358e+00 2e-01 5e-02 3e-15 5e-03
4: 3.0877e+00 3.0877e+00 7e-03 2e-03 2e-15 2e-04
5: 3.0902e+00 3.0902e+00 9e-04 3e-04 8e-16 3e-05
6: 3.0905e+00 3.0905e+00 2e-04 5e-05 3e-15 4e-06
7: 3.0905e+00 3.0905e+00 1e-05 3e-06 2e-14 3e-07
8: 3.0905e+00 3.0905e+00 1e-07 3e-08 5e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.5856e+00 1.5825e+00 5e+00 2e+00 3e-16 2e-01
2: 3.0777e+00 3.0766e+00 1e+00 3e-01 2e-15 3e-02
3: 3.3723e+00 3.3721e+00 2e-01 6e-02 7e-16 5e-03
4: 3.4444e+00 3.4443e+00 2e-02 6e-03 8e-16 5e-04
5: 3.4471e+00 3.4471e+00 6e-03 2e-03 3e-14 1e-04
6: 3.4486e+00 3.4486e+00 2e-04 5e-05 3e-15 4e-06
7: 3.4487e+00 3.4487e+00 2e-06 5e-07 4e-15 4e-08
8: 3.4487e+00 3.4487e+00 2e-08 5e-09 4e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.2431e+00 2.2402e+00 6e+00 2e+00 2e-16 2e-01
2: 3.8783e+00 3.8773e+00 1e+00 4e-01 3e-15 3e-02
3: 3.9720e+00 3.9716e+00 1e-01 4e-02 2e-15 4e-03
4: 3.9997e+00 3.9997e+00 1e-03 5e-04 4e-16 4e-05
5: 4.0000e+00 4.0000e+00 1e-05 5e-06 4e-16 4e-07
6: 4.0000e+00 4.0000e+00 1e-07 5e-08 4e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.2397e+00 1.2366e+00 5e+00 2e+00 2e-16 2e-01
2: 2.7420e+00 2.7402e+00 1e+00 4e-01 2e-15 4e-02
3: 3.0628e+00 3.0617e+00 4e-01 1e-01 1e-15 1e-02
4: 3.1504e+00 3.1501e+00 9e-02 3e-02 3e-15 3e-03
5: 3.1624e+00 3.1623e+00 1e-02 4e-03 6e-15 3e-04
6: 3.1640e+00 3.1640e+00 3e-03 9e-04 1e-14 8e-05
7: 3.1647e+00 3.1647e+00 3e-04 9e-05 2e-15 8e-06
8: 3.1648e+00 3.1648e+00 3e-06 9e-07 5e-15 8e-08
9: 3.1648e+00 3.1648e+00 3e-08 9e-09 4e-15 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 9.4497e-01 9.4162e-01 5e+00 2e+00 2e-16 2e-01

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2:	2.0879e+00	2.0865e+00	1e+00	4e-01	7e-16	3e-02
3:	2.4439e+00	2.4435e+00	2e-01	7e-02	7e-16	7e-03
4:	2.5105e+00	2.5104e+00	2e-02	7e-03	9e-16	6e-04
5:	2.5164e+00	2.5164e+00	2e-03	5e-04	1e-14	5e-05
6:	2.5168e+00	2.5168e+00	2e-05	6e-06	3e-14	5e-07
7:	2.5168e+00	2.5168e+00	2e-07	6e-08	3e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7558e+00	1.7525e+00	5e+00	2e+00	3e-16	2e-01
2:	3.4523e+00	3.4506e+00	1e+00	5e-01	3e-15	5e-02
3:	3.9218e+00	3.9212e+00	3e-01	1e-01	1e-15	1e-02
4:	3.9928e+00	3.9926e+00	8e-02	2e-02	2e-15	2e-03
5:	3.9940e+00	3.9939e+00	2e-02	8e-03	3e-14	6e-04
6:	3.9999e+00	3.9999e+00	3e-04	1e-04	1e-15	8e-06
7:	4.0000e+00	4.0000e+00	3e-06	1e-06	7e-15	8e-08
8:	4.0000e+00	4.0000e+00	3e-08	1e-08	9e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4367e+00	1.4335e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6100e+00	2.6080e+00	1e+00	4e-01	5e-15	4e-02
3:	3.0158e+00	3.0151e+00	4e-01	1e-01	2e-15	1e-02
4:	3.0958e+00	3.0957e+00	4e-02	1e-02	2e-15	1e-03
5:	3.1075e+00	3.1075e+00	8e-03	2e-03	7e-16	2e-04
6:	3.1087e+00	3.1086e+00	3e-03	9e-04	8e-15	7e-05
7:	3.1094e+00	3.1094e+00	4e-05	1e-05	1e-15	1e-06
8:	3.1094e+00	3.1094e+00	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6426e+00	1.6393e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8995e+00	2.8979e+00	2e+00	5e-01	3e-15	4e-02
3:	3.2939e+00	3.2934e+00	2e-01	7e-02	1e-15	7e-03
4:	3.3514e+00	3.3513e+00	4e-02	1e-02	9e-16	1e-03
5:	3.3644e+00	3.3644e+00	5e-03	2e-03	1e-15	1e-04
6:	3.3654e+00	3.3654e+00	1e-03	4e-04	1e-14	3e-05
7:	3.3658e+00	3.3658e+00	1e-05	4e-06	1e-15	3e-07
8:	3.3658e+00	3.3658e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3415e+00	1.3385e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0201e+00	3.0184e+00	1e+00	4e-01	1e-15	4e-02
3:	3.4768e+00	3.4761e+00	3e-01	1e-01	1e-15	1e-02
4:	3.5496e+00	3.5494e+00	5e-02	1e-02	3e-15	1e-03
5:	3.5583e+00	3.5583e+00	6e-03	2e-03	3e-14	2e-04
6:	3.5601e+00	3.5601e+00	2e-04	7e-05	3e-15	7e-06

7:	3.5601e+00	3.5601e+00	2e-06	7e-07	6e-15	7e-08
8:	3.5601e+00	3.5601e+00	2e-08	7e-09	7e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8627e+00	1.8597e+00	6e+00	2e+00	3e-16	2e-01
2:	3.2999e+00	3.2985e+00	2e+00	5e-01	2e-15	5e-02
3:	3.7449e+00	3.7441e+00	7e-01	2e-01	1e-15	2e-02
4:	3.8065e+00	3.8056e+00	3e-01	9e-02	2e-15	8e-03
5:	3.8702e+00	3.8700e+00	6e-02	2e-02	6e-16	2e-03
6:	3.8874e+00	3.8874e+00	1e-02	3e-03	8e-16	3e-04
7:	3.8896e+00	3.8895e+00	2e-03	7e-04	4e-15	5e-05
8:	3.8901e+00	3.8901e+00	2e-05	7e-06	7e-16	5e-07
9:	3.8901e+00	3.8901e+00	2e-07	7e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5785e-01	7.5498e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0305e+00	2.0284e+00	1e+00	3e-01	1e-15	4e-02
3:	2.2961e+00	2.2956e+00	2e-01	6e-02	5e-16	7e-03
4:	2.3417e+00	2.3416e+00	2e-02	6e-03	1e-15	6e-04
5:	2.3465e+00	2.3465e+00	4e-03	1e-03	1e-14	1e-04
6:	2.3470e+00	2.3470e+00	4e-04	1e-04	6e-14	1e-05
7:	2.3471e+00	2.3471e+00	6e-06	2e-06	1e-14	2e-07
8:	2.3471e+00	2.3471e+00	6e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3917e+00	1.3884e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1646e+00	3.1631e+00	1e+00	4e-01	1e-15	3e-02
3:	3.4075e+00	3.4067e+00	3e-01	9e-02	1e-15	8e-03
4:	3.4468e+00	3.4466e+00	6e-02	2e-02	1e-15	2e-03
5:	3.4611e+00	3.4611e+00	8e-03	2e-03	9e-16	2e-04
6:	3.4625e+00	3.4625e+00	8e-05	2e-05	9e-16	2e-06
7:	3.4625e+00	3.4625e+00	8e-07	2e-07	1e-15	2e-08
8:	3.4625e+00	3.4625e+00	8e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1501e+00	1.1470e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5208e+00	2.5189e+00	1e+00	4e-01	1e-15	4e-02
3:	2.7113e+00	2.7103e+00	3e-01	9e-02	1e-15	8e-03
4:	2.8001e+00	2.7999e+00	4e-02	1e-02	8e-16	1e-03
5:	2.8105e+00	2.8105e+00	7e-03	2e-03	2e-15	2e-04
6:	2.8125e+00	2.8125e+00	7e-05	2e-05	6e-16	2e-06
7:	2.8125e+00	2.8125e+00	7e-07	2e-07	7e-16	2e-08
8:	2.8125e+00	2.8125e+00	7e-09	2e-09	6e-16	2e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8553e+00	1.8519e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7641e+00	3.7625e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9531e+00	3.9521e+00	3e-01	1e-01	3e-15	9e-03
4:	3.9983e+00	3.9982e+00	9e-03	3e-03	4e-15	2e-04
5:	4.0000e+00	4.0000e+00	9e-05	3e-05	2e-15	2e-06
6:	4.0000e+00	4.0000e+00	9e-07	3e-07	3e-15	2e-08
7:	4.0000e+00	4.0000e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5321e+00	1.5287e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5645e+00	3.5626e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9575e+00	3.9569e+00	4e-01	1e-01	1e-15	1e-02
4:	3.9725e+00	3.9719e+00	1e-01	3e-02	1e-14	3e-03
5:	3.9997e+00	3.9997e+00	1e-03	4e-04	8e-16	3e-05
6:	4.0000e+00	4.0000e+00	1e-05	4e-06	2e-15	3e-07
7:	4.0000e+00	4.0000e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8851e+00	1.8819e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7410e+00	3.7392e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9825e+00	3.9815e+00	3e-01	8e-02	3e-15	7e-03
4:	3.9995e+00	3.9995e+00	4e-03	1e-03	3e-15	1e-04
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	2e-15	1e-06
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2500e+00	2.2472e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7572e+00	3.7558e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9854e+00	3.9852e+00	9e-02	3e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	9e-04	3e-04	5e-16	2e-05
5:	4.0000e+00	4.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6906e+00	1.6874e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6179e+00	3.6160e+00	2e+00	5e-01	1e-15	5e-02
3:	3.9468e+00	3.9458e+00	3e-01	9e-02	1e-15	7e-03
4:	3.9953e+00	3.9951e+00	5e-02	1e-02	6e-15	1e-03
5:	3.9999e+00	3.9999e+00	7e-04	2e-04	1e-14	2e-05
6:	4.0000e+00	4.0000e+00	7e-06	2e-06	6e-15	2e-07
7:	4.0000e+00	4.0000e+00	7e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3630e+00	2.3628e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7212e+00	3.7211e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9741e+00	3.9741e+00	1e-01	4e-02	3e-15	3e-03
4:	3.9997e+00	3.9997e+00	1e-03	4e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	4e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9040e+00	1.9008e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7068e+00	3.7056e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9830e+00	3.9825e+00	3e-01	8e-02	4e-15	7e-03
4:	3.9983e+00	3.9983e+00	8e-03	3e-03	2e-14	2e-04
5:	4.0000e+00	4.0000e+00	8e-05	3e-05	3e-15	2e-06
6:	4.0000e+00	4.0000e+00	8e-07	3e-07	4e-15	2e-08
7:	4.0000e+00	4.0000e+00	8e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4801e+00	1.4769e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9474e+00	2.9455e+00	2e+00	6e-01	2e-15	6e-02
3:	3.4743e+00	3.4737e+00	4e-01	1e-01	9e-16	1e-02
4:	3.5734e+00	3.5732e+00	9e-02	3e-02	1e-15	2e-03
5:	3.6009e+00	3.6009e+00	7e-03	2e-03	1e-15	2e-04
6:	3.6025e+00	3.6025e+00	9e-04	3e-04	6e-14	2e-05
7:	3.6027e+00	3.6027e+00	5e-05	2e-05	4e-13	1e-06
8:	3.6027e+00	3.6027e+00	5e-07	2e-07	7e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1739e+00	1.1705e+00	5e+00	2e+00	3e-16	2e-01
2:	2.5945e+00	2.5929e+00	1e+00	4e-01	7e-16	4e-02
3:	3.0270e+00	3.0266e+00	3e-01	9e-02	1e-15	9e-03
4:	3.0919e+00	3.0917e+00	5e-02	2e-02	3e-15	1e-03
5:	3.1034e+00	3.1034e+00	4e-03	1e-03	6e-15	1e-04
6:	3.1045e+00	3.1045e+00	4e-05	1e-05	1e-15	1e-06
7:	3.1045e+00	3.1045e+00	4e-07	1e-07	1e-15	1e-08
8:	3.1045e+00	3.1045e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1415e+00	2.1415e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6286e+00	3.6286e+00	1e+00	3e-01	2e-15	2e-02
3:	3.9545e+00	3.9545e+00	2e-01	7e-02	3e-15	5e-03
4:	3.9954e+00	3.9954e+00	6e-02	2e-02	5e-15	1e-03
5:	3.9990e+00	3.9990e+00	6e-03	2e-03	3e-14	2e-04

6:	4.0000e+00	4.0000e+00	6e-05	2e-05	7e-15	2e-06
7:	4.0000e+00	4.0000e+00	6e-07	2e-07	8e-15	2e-08
8:	4.0000e+00	4.0000e+00	6e-09	2e-09	7e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2616e+00	2.2600e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0608e+00	4.0602e+00	1e+00	4e-01	1e-15	3e-02
3:	4.2795e+00	4.2793e+00	3e-01	1e-01	1e-15	8e-03
4:	4.3357e+00	4.3356e+00	5e-02	2e-02	2e-15	1e-03
5:	4.3459e+00	4.3459e+00	5e-03	2e-03	5e-15	1e-04
6:	4.3472e+00	4.3472e+00	7e-05	2e-05	2e-15	2e-06
7:	4.3472e+00	4.3472e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5515e+00	2.5485e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7742e+00	4.7733e+00	8e-01	3e-01	1e-15	2e-02
3:	4.9872e+00	4.9871e+00	1e-01	3e-02	2e-15	3e-03
4:	4.9950e+00	4.9949e+00	2e-02	5e-03	4e-14	4e-04
5:	4.9999e+00	4.9999e+00	2e-04	6e-05	2e-15	5e-06
6:	5.0000e+00	5.0000e+00	2e-06	6e-07	2e-15	5e-08
7:	5.0000e+00	5.0000e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9191e+00	2.9191e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7199e+00	4.7200e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9753e+00	4.9753e+00	1e-01	4e-02	1e-15	3e-03
4:	4.9998e+00	4.9998e+00	1e-03	4e-04	5e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9697e+00	2.9673e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7962e+00	4.7955e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9829e+00	4.9827e+00	2e-01	6e-02	3e-15	5e-03
4:	4.9997e+00	4.9997e+00	3e-03	9e-04	6e-15	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	9e-06	2e-15	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	9e-08	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3001e+00	1.2970e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6639e+00	2.6621e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9843e+00	2.9836e+00	3e-01	1e-01	9e-16	1e-02
4:	3.0402e+00	3.0400e+00	5e-02	2e-02	1e-15	2e-03

5:	3.0512e+00	3.0512e+00	6e-03	2e-03	1e-15	2e-04
6:	3.0525e+00	3.0525e+00	7e-05	2e-05	1e-15	2e-06
7:	3.0525e+00	3.0525e+00	7e-07	2e-07	1e-15	2e-08
8:	3.0525e+00	3.0525e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8061e+00	1.8030e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8002e+00	3.7986e+00	1e+00	4e-01	1e-15	4e-02
3:	4.0218e+00	4.0203e+00	6e-01	2e-01	2e-15	2e-02
4:	4.1819e+00	4.1815e+00	2e-01	5e-02	7e-16	5e-03
5:	4.2348e+00	4.2347e+00	5e-02	1e-02	1e-15	1e-03
6:	4.2431e+00	4.2431e+00	1e-02	4e-03	2e-14	3e-04
7:	4.2465e+00	4.2465e+00	2e-04	6e-05	1e-15	5e-06
8:	4.2465e+00	4.2465e+00	2e-06	6e-07	5e-15	5e-08
9:	4.2465e+00	4.2465e+00	2e-08	6e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6562e+00	2.6592e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6610e+00	4.6621e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9377e+00	4.9383e+00	3e-01	9e-02	2e-15	7e-03
4:	4.9993e+00	4.9993e+00	3e-03	1e-03	3e-16	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0134e+00	2.0101e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7085e+00	3.7069e+00	2e+00	5e-01	1e-15	5e-02
3:	4.2102e+00	4.2095e+00	6e-01	2e-01	2e-15	2e-02
4:	4.3738e+00	4.3733e+00	1e-01	4e-02	3e-15	4e-03
5:	4.4169e+00	4.4168e+00	2e-02	7e-03	2e-15	6e-04
6:	4.4222e+00	4.4222e+00	4e-03	1e-03	9e-15	1e-04
7:	4.4231e+00	4.4231e+00	4e-04	1e-04	6e-14	1e-05
8:	4.4232e+00	4.4232e+00	4e-06	1e-06	5e-15	1e-07
9:	4.4232e+00	4.4232e+00	4e-08	1e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4047e+00	2.4032e+00	6e+00	2e+00	2e-16	1e-01
2:	4.0257e+00	4.0252e+00	1e+00	4e-01	2e-15	3e-02
3:	4.4046e+00	4.4045e+00	2e-01	7e-02	1e-15	6e-03
4:	4.4829e+00	4.4829e+00	2e-02	5e-03	7e-16	4e-04
5:	4.4873e+00	4.4873e+00	3e-04	1e-04	9e-15	9e-06
6:	4.4874e+00	4.4874e+00	3e-06	1e-06	3e-15	9e-08
7:	4.4874e+00	4.4874e+00	3e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8630e+00	1.8606e+00	6e+00	2e+00	1e-16	1e-01
2:	3.5441e+00	3.5433e+00	9e-01	3e-01	1e-15	3e-02
3:	3.7107e+00	3.7103e+00	3e-01	8e-02	1e-15	7e-03
4:	3.7743e+00	3.7742e+00	5e-02	2e-02	1e-15	1e-03
5:	3.7908e+00	3.7908e+00	8e-03	2e-03	7e-16	2e-04
6:	3.7928e+00	3.7928e+00	8e-04	3e-04	2e-14	2e-05
7:	3.7930e+00	3.7930e+00	8e-06	3e-06	9e-16	2e-07
8:	3.7930e+00	3.7930e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0428e+00	2.0395e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8367e+00	3.8347e+00	2e+00	6e-01	1e-15	6e-02
3:	4.2835e+00	4.2828e+00	4e-01	1e-01	2e-15	1e-02
4:	4.4022e+00	4.4021e+00	4e-02	1e-02	7e-16	1e-03
5:	4.4128e+00	4.4128e+00	7e-03	2e-03	9e-15	2e-04
6:	4.4150e+00	4.4150e+00	8e-05	3e-05	1e-15	2e-06
7:	4.4150e+00	4.4150e+00	8e-07	3e-07	1e-15	2e-08
8:	4.4150e+00	4.4150e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5567e+00	1.5534e+00	5e+00	2e+00	3e-16	2e-01
2:	3.4820e+00	3.4804e+00	1e+00	3e-01	1e-15	3e-02
3:	3.8086e+00	3.8079e+00	3e-01	9e-02	6e-16	9e-03
4:	3.8646e+00	3.8644e+00	6e-02	2e-02	2e-15	2e-03
5:	3.8727e+00	3.8727e+00	5e-03	2e-03	8e-15	1e-04
6:	3.8738e+00	3.8738e+00	8e-04	2e-04	2e-15	2e-05
7:	3.8739e+00	3.8739e+00	8e-06	3e-06	3e-15	2e-07
8:	3.8739e+00	3.8739e+00	8e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4741e+00	2.4755e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1408e+00	4.1413e+00	1e+00	4e-01	1e-15	3e-02
3:	4.5763e+00	4.5765e+00	3e-01	1e-01	9e-16	8e-03
4:	4.6236e+00	4.6237e+00	8e-02	3e-02	2e-15	2e-03
5:	4.6425e+00	4.6425e+00	3e-03	1e-03	1e-15	8e-05
6:	4.6435e+00	4.6435e+00	3e-05	1e-05	7e-16	8e-07
7:	4.6435e+00	4.6435e+00	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4296e+00	1.4263e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0291e+00	3.0270e+00	2e+00	5e-01	1e-15	5e-02
3:	3.3423e+00	3.3416e+00	3e-01	1e-01	8e-16	1e-02

4:	3.4467e+00	3.4465e+00	7e-02	2e-02	1e-15	2e-03
5:	3.4664e+00	3.4664e+00	8e-03	2e-03	4e-15	2e-04
6:	3.4685e+00	3.4685e+00	3e-04	9e-05	3e-15	9e-06
7:	3.4686e+00	3.4686e+00	2e-05	6e-06	9e-13	5e-07
8:	3.4686e+00	3.4686e+00	2e-07	6e-08	4e-13	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4268e+00	1.4235e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0512e+00	3.0494e+00	1e+00	4e-01	1e-15	4e-02
3:	3.4042e+00	3.4036e+00	4e-01	1e-01	1e-15	1e-02
4:	3.5187e+00	3.5184e+00	1e-01	3e-02	1e-15	3e-03
5:	3.5276e+00	3.5273e+00	6e-02	2e-02	4e-15	2e-03
6:	3.5418e+00	3.5418e+00	4e-03	1e-03	3e-15	1e-04
7:	3.5428e+00	3.5428e+00	5e-05	2e-05	6e-15	1e-06
8:	3.5429e+00	3.5429e+00	5e-07	2e-07	5e-15	1e-08
9:	3.5429e+00	3.5429e+00	5e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8342e+00	1.8309e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9542e+00	3.9524e+00	1e+00	4e-01	2e-15	4e-02
3:	4.2146e+00	4.2138e+00	2e-01	7e-02	2e-15	7e-03
4:	4.2765e+00	4.2764e+00	2e-02	7e-03	1e-15	6e-04
5:	4.2838e+00	4.2838e+00	3e-04	1e-04	2e-15	9e-06
6:	4.2839e+00	4.2839e+00	3e-06	1e-06	1e-15	9e-08
7:	4.2839e+00	4.2839e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7481e+00	2.7461e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4173e+00	4.4167e+00	1e+00	4e-01	1e-15	3e-02
3:	4.8768e+00	4.8766e+00	3e-01	9e-02	2e-15	8e-03
4:	4.9548e+00	4.9547e+00	5e-02	2e-02	2e-15	1e-03
5:	4.9664e+00	4.9664e+00	6e-03	2e-03	1e-14	2e-04
6:	4.9683e+00	4.9683e+00	7e-05	2e-05	5e-15	2e-06
7:	4.9684e+00	4.9684e+00	7e-07	2e-07	4e-15	2e-08
8:	4.9684e+00	4.9684e+00	7e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1387e+00	2.1355e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9950e+00	3.9933e+00	2e+00	6e-01	2e-15	5e-02
3:	4.3382e+00	4.3375e+00	4e-01	1e-01	3e-15	1e-02
4:	4.4888e+00	4.4886e+00	1e-01	3e-02	1e-15	3e-03
5:	4.5077e+00	4.5076e+00	3e-02	9e-03	3e-15	8e-04
6:	4.5140e+00	4.5139e+00	1e-02	4e-03	2e-15	3e-04
7:	4.5156e+00	4.5156e+00	4e-03	1e-03	1e-14	1e-04

8:	4.5167e+00	4.5167e+00	7e-05	2e-05	3e-15	2e-06
9:	4.5167e+00	4.5167e+00	7e-07	2e-07	2e-15	2e-08
10:	4.5167e+00	4.5167e+00	7e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6444e+00	1.6453e+00	5e+00	2e+00	2e-16	1e-01
2:	3.2896e+00	3.2899e+00	1e+00	4e-01	9e-16	3e-02
3:	3.6248e+00	3.6249e+00	2e-01	6e-02	1e-15	5e-03
4:	3.6624e+00	3.6624e+00	3e-02	1e-02	2e-15	8e-04
5:	3.6674e+00	3.6674e+00	8e-03	3e-03	8e-15	2e-04
6:	3.6695e+00	3.6695e+00	9e-04	3e-04	2e-15	2e-05
7:	3.6697e+00	3.6697e+00	9e-06	3e-06	3e-15	2e-07
8:	3.6697e+00	3.6697e+00	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4764e+00	2.4732e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6822e+00	4.6809e+00	1e+00	4e-01	3e-15	4e-02
3:	4.9748e+00	4.9745e+00	3e-01	1e-01	2e-15	9e-03
4:	4.9922e+00	4.9920e+00	3e-02	1e-02	8e-15	9e-04
5:	4.9999e+00	4.9999e+00	4e-04	1e-04	6e-16	9e-06
6:	5.0000e+00	5.0000e+00	4e-06	1e-06	6e-16	9e-08
7:	5.0000e+00	5.0000e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.5567e-01	9.5232e-01	5e+00	2e+00	2e-16	2e-01
2:	2.5753e+00	2.5736e+00	1e+00	4e-01	4e-16	4e-02
3:	2.8622e+00	2.8608e+00	4e-01	1e-01	9e-16	1e-02
4:	2.9253e+00	2.9248e+00	9e-02	3e-02	1e-15	2e-03
5:	2.9466e+00	2.9466e+00	5e-03	2e-03	1e-15	1e-04
6:	2.9480e+00	2.9480e+00	5e-05	2e-05	1e-15	1e-06
7:	2.9480e+00	2.9480e+00	5e-07	2e-07	2e-15	1e-08
8:	2.9480e+00	2.9480e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7222e+00	1.7188e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6072e+00	3.6053e+00	1e+00	5e-01	2e-15	4e-02
3:	3.8769e+00	3.8761e+00	4e-01	1e-01	1e-15	1e-02
4:	3.9991e+00	3.9988e+00	1e-01	3e-02	2e-15	3e-03
5:	4.0174e+00	4.0174e+00	2e-02	7e-03	9e-15	6e-04
6:	4.0237e+00	4.0237e+00	1e-03	3e-04	4e-15	3e-05
7:	4.0240e+00	4.0240e+00	1e-05	3e-06	2e-15	3e-07
8:	4.0240e+00	4.0240e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8685e+00	1.8657e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4141e+00	3.4126e+00	2e+00	5e-01	2e-15	5e-02
3:	3.7818e+00	3.7813e+00	3e-01	1e-01	1e-15	9e-03
4:	3.8831e+00	3.8830e+00	4e-02	1e-02	6e-16	1e-03
5:	3.8914e+00	3.8914e+00	7e-04	2e-04	3e-15	2e-05
6:	3.8915e+00	3.8915e+00	7e-06	2e-06	1e-15	2e-07
7:	3.8915e+00	3.8915e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4320e+00	2.4288e+00	6e+00	2e+00	3e-16	2e-01
2:	4.2250e+00	4.2240e+00	1e+00	4e-01	3e-15	3e-02
3:	4.6016e+00	4.6012e+00	3e-01	8e-02	4e-15	7e-03
4:	4.6351e+00	4.6348e+00	1e-01	4e-02	5e-15	3e-03
5:	4.6718e+00	4.6717e+00	2e-02	6e-03	1e-15	5e-04
6:	4.6774e+00	4.6774e+00	4e-04	1e-04	2e-15	1e-05
7:	4.6775e+00	4.6775e+00	4e-06	1e-06	2e-15	1e-07
8:	4.6775e+00	4.6775e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4340e+00	2.4306e+00	5e+00	2e+00	2e-16	2e-01
2:	4.5399e+00	4.5387e+00	1e+00	3e-01	3e-15	3e-02
3:	4.7623e+00	4.7620e+00	2e-01	6e-02	4e-15	5e-03
4:	4.8067e+00	4.8067e+00	3e-02	9e-03	5e-15	8e-04
5:	4.8167e+00	4.8166e+00	4e-03	1e-03	2e-15	1e-04
6:	4.8174e+00	4.8174e+00	9e-04	3e-04	1e-14	2e-05
7:	4.8177e+00	4.8177e+00	1e-05	3e-06	6e-16	3e-07
8:	4.8177e+00	4.8177e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5535e+00	2.5503e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7568e+00	4.7556e+00	9e-01	3e-01	3e-15	3e-02
3:	4.9767e+00	4.9762e+00	2e-01	7e-02	3e-15	6e-03
4:	4.9984e+00	4.9984e+00	7e-03	2e-03	1e-14	2e-04
5:	5.0000e+00	5.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	5.0000e+00	5.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9353e+00	1.9321e+00	5e+00	2e+00	2e-16	2e-01
2:	4.0365e+00	4.0349e+00	1e+00	5e-01	2e-15	4e-02
3:	4.2797e+00	4.2790e+00	4e-01	1e-01	1e-15	1e-02
4:	4.3738e+00	4.3737e+00	5e-02	2e-02	2e-15	2e-03
5:	4.3873e+00	4.3873e+00	9e-03	3e-03	2e-15	3e-04
6:	4.3903e+00	4.3903e+00	2e-03	5e-04	2e-15	4e-05



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7:  4.3907e+00  4.3907e+00  4e-05  1e-05  6e-15  9e-07
8:  4.3907e+00  4.3907e+00  4e-07  1e-07  3e-15  9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  1.8408e+00  1.8380e+00  6e+00  2e+00  3e-16  2e-01
2:  3.3375e+00  3.3359e+00  2e+00  6e-01  2e-15  5e-02
3:  3.6567e+00  3.6563e+00  4e-01  1e-01  1e-15  1e-02
4:  3.7637e+00  3.7635e+00  9e-02  3e-02  1e-15  2e-03
5:  3.7819e+00  3.7819e+00  3e-02  9e-03  1e-15  8e-04
6:  3.7866e+00  3.7866e+00  4e-03  1e-03  3e-15  1e-04
7:  3.7877e+00  3.7877e+00  1e-03  3e-04  9e-16  3e-05
8:  3.7879e+00  3.7879e+00  5e-05  2e-05  3e-15  1e-06
9:  3.7879e+00  3.7879e+00  4e-06  1e-06  3e-14  1e-07
10: 3.7879e+00  3.7879e+00  2e-07  6e-08  8e-13  5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.6221e+00  1.6188e+00  5e+00  2e+00  2e-16  2e-01
2:  3.3032e+00  3.3017e+00  9e-01  3e-01  2e-15  3e-02
3:  3.5372e+00  3.5369e+00  1e-01  4e-02  9e-16  4e-03
4:  3.5695e+00  3.5695e+00  2e-02  7e-03  2e-15  6e-04
5:  3.5752e+00  3.5752e+00  5e-04  2e-04  5e-15  1e-05
6:  3.5754e+00  3.5754e+00  5e-06  2e-06  1e-15  1e-07
7:  3.5754e+00  3.5754e+00  5e-08  2e-08  1e-15  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.5541e+00  2.5528e+00  6e+00  2e+00  2e-16  2e-01
2:  4.6819e+00  4.6815e+00  1e+00  4e-01  1e-15  3e-02
3:  4.9750e+00  4.9749e+00  3e-01  8e-02  2e-15  7e-03
4:  4.9981e+00  4.9981e+00  9e-03  3e-03  1e-14  2e-04
5:  5.0000e+00  5.0000e+00  9e-05  3e-05  2e-15  2e-06
6:  5.0000e+00  5.0000e+00  9e-07  3e-07  2e-15  2e-08
7:  5.0000e+00  5.0000e+00  9e-09  3e-09  2e-15  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  2.0868e+00  2.0835e+00  5e+00  2e+00  2e-16  2e-01
2:  4.3312e+00  4.3296e+00  1e+00  4e-01  1e-15  4e-02
3:  4.6087e+00  4.6082e+00  2e-01  8e-02  1e-15  7e-03
4:  4.6767e+00  4.6767e+00  3e-02  1e-02  7e-15  9e-04
5:  4.6817e+00  4.6817e+00  4e-03  1e-03  3e-14  1e-04
6:  4.6829e+00  4.6829e+00  5e-05  2e-05  6e-15  1e-06
7:  4.6829e+00  4.6829e+00  5e-07  2e-07  6e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00

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1:	1.8547e+00	1.8523e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4706e+00	3.4697e+00	1e+00	4e-01	2e-15	4e-02
3:	3.7661e+00	3.7657e+00	3e-01	1e-01	1e-15	9e-03
4:	3.8381e+00	3.8380e+00	7e-02	2e-02	1e-15	2e-03
5:	3.8608e+00	3.8608e+00	8e-03	3e-03	8e-16	2e-04
6:	3.8624e+00	3.8624e+00	2e-03	7e-04	1e-14	6e-05
7:	3.8630e+00	3.8630e+00	2e-05	7e-06	1e-15	6e-07
8:	3.8630e+00	3.8630e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8807e+00	2.8801e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7811e+00	4.7809e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9735e+00	4.9734e+00	2e-01	7e-02	4e-15	5e-03
4:	4.9997e+00	4.9997e+00	2e-03	8e-04	3e-15	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	8e-06	2e-15	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0094e+00	3.0079e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7064e+00	4.7059e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9738e+00	4.9737e+00	2e-01	5e-02	5e-15	4e-03
4:	4.9996e+00	4.9996e+00	2e-03	7e-04	4e-15	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	3e-15	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0398e+00	2.0385e+00	6e+00	2e+00	2e-16	1e-01
2:	3.2227e+00	3.2223e+00	1e+00	4e-01	2e-15	3e-02
3:	3.5092e+00	3.5090e+00	4e-01	1e-01	6e-16	1e-02
4:	3.5819e+00	3.5818e+00	9e-02	3e-02	1e-15	2e-03
5:	3.6000e+00	3.6000e+00	2e-02	5e-03	9e-16	4e-04
6:	3.6035e+00	3.6035e+00	1e-03	4e-04	4e-15	3e-05
7:	3.6037e+00	3.6037e+00	1e-05	4e-06	8e-15	3e-07
8:	3.6037e+00	3.6037e+00	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1097e+00	3.1079e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7916e+00	4.7910e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9705e+00	4.9704e+00	1e-01	4e-02	2e-15	4e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	6e-16	4e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	7e-16	4e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0723e+00	2.0692e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6877e+00	3.6863e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9636e+00	3.9631e+00	2e-01	8e-02	1e-15	7e-03
4:	4.0204e+00	4.0203e+00	7e-02	2e-02	1e-15	2e-03
5:	4.0339e+00	4.0338e+00	2e-02	6e-03	6e-15	5e-04
6:	4.0392e+00	4.0392e+00	4e-03	1e-03	5e-15	1e-04
7:	4.0399e+00	4.0399e+00	6e-04	2e-04	4e-14	2e-05
8:	4.0401e+00	4.0401e+00	6e-06	2e-06	2e-15	2e-07
9:	4.0401e+00	4.0401e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3287e+00	2.3254e+00	5e+00	2e+00	3e-16	2e-01
2:	4.3033e+00	4.3018e+00	1e+00	4e-01	2e-15	4e-02
3:	4.4354e+00	4.4345e+00	3e-01	1e-01	4e-15	9e-03
4:	4.5117e+00	4.5114e+00	9e-02	3e-02	1e-15	2e-03
5:	4.5351e+00	4.5351e+00	1e-02	4e-03	1e-15	3e-04
6:	4.5387e+00	4.5387e+00	4e-04	1e-04	7e-16	1e-05
7:	4.5388e+00	4.5388e+00	4e-06	1e-06	6e-16	1e-07
8:	4.5388e+00	4.5388e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6783e-01	7.6552e-01	4e+00	1e+00	2e-16	2e-01
2:	2.2616e+00	2.2597e+00	8e-01	3e-01	1e-15	3e-02
3:	2.4753e+00	2.4747e+00	2e-01	6e-02	5e-16	7e-03
4:	2.4959e+00	2.4953e+00	8e-02	3e-02	4e-15	2e-03
5:	2.5142e+00	2.5142e+00	1e-02	4e-03	2e-15	3e-04
6:	2.5163e+00	2.5163e+00	2e-03	6e-04	1e-14	5e-05
7:	2.5167e+00	2.5167e+00	2e-04	6e-05	1e-15	5e-06
8:	2.5168e+00	2.5168e+00	2e-06	6e-07	1e-14	5e-08
9:	2.5168e+00	2.5168e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7920e+00	2.7892e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4995e+00	4.4985e+00	1e+00	4e-01	3e-15	3e-02
3:	4.8169e+00	4.8165e+00	4e-01	1e-01	3e-15	1e-02
4:	4.9098e+00	4.9097e+00	9e-02	3e-02	3e-15	2e-03
5:	4.9310e+00	4.9310e+00	1e-02	4e-03	6e-15	3e-04
6:	4.9345e+00	4.9345e+00	2e-03	5e-04	4e-15	4e-05
7:	4.9349e+00	4.9349e+00	5e-05	2e-05	3e-14	1e-06
8:	4.9349e+00	4.9349e+00	5e-07	2e-07	6e-15	1e-08
9:	4.9349e+00	4.9349e+00	5e-09	2e-09	8e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.5034e+00	2.5009e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2015e+00	4.2004e+00	2e+00	5e-01	9e-16	5e-02
3:	4.7469e+00	4.7465e+00	5e-01	1e-01	9e-16	1e-02
4:	4.8381e+00	4.8379e+00	1e-01	4e-02	2e-15	3e-03
5:	4.8645e+00	4.8645e+00	1e-02	4e-03	1e-15	3e-04
6:	4.8680e+00	4.8680e+00	2e-04	6e-05	3e-15	5e-06
7:	4.8680e+00	4.8680e+00	2e-06	6e-07	2e-15	5e-08
8:	4.8680e+00	4.8680e+00	2e-08	6e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9900e+00	2.9878e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7321e+00	4.7314e+00	1e+00	4e-01	3e-15	4e-02
3:	4.9675e+00	4.9672e+00	2e-01	6e-02	1e-15	5e-03
4:	4.9996e+00	4.9996e+00	2e-03	7e-04	5e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	9e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5332e+00	1.5298e+00	5e+00	2e+00	3e-16	2e-01
2:	3.0662e+00	3.0649e+00	1e+00	4e-01	1e-15	4e-02
3:	3.4191e+00	3.4185e+00	4e-01	1e-01	1e-15	1e-02
4:	3.5154e+00	3.5153e+00	6e-02	2e-02	1e-15	2e-03
5:	3.5321e+00	3.5321e+00	3e-03	9e-04	4e-15	8e-05
6:	3.5329e+00	3.5329e+00	3e-05	9e-06	9e-16	8e-07
7:	3.5329e+00	3.5329e+00	3e-07	9e-08	7e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3974e+00	2.3958e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0824e+00	4.0814e+00	2e+00	7e-01	6e-16	6e-02
3:	4.6768e+00	4.6763e+00	6e-01	2e-01	8e-16	1e-02
4:	4.8142e+00	4.8141e+00	1e-01	4e-02	3e-15	3e-03
5:	4.8379e+00	4.8379e+00	3e-02	9e-03	4e-15	7e-04
6:	4.8433e+00	4.8433e+00	4e-03	1e-03	1e-14	1e-04
7:	4.8443e+00	4.8443e+00	7e-05	2e-05	2e-15	2e-06
8:	4.8443e+00	4.8443e+00	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6326e+00	1.6292e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4410e+00	3.4391e+00	1e+00	4e-01	2e-15	4e-02
3:	3.6978e+00	3.6969e+00	4e-01	1e-01	1e-15	1e-02
4:	3.8119e+00	3.8117e+00	8e-02	3e-02	2e-15	2e-03
5:	3.8230e+00	3.8229e+00	2e-02	5e-03	1e-14	5e-04
6:	3.8247e+00	3.8247e+00	3e-03	8e-04	3e-14	8e-05
7:	3.8253e+00	3.8252e+00	9e-04	3e-04	9e-15	2e-05

8:	3.8254e+00	3.8254e+00	9e-06	3e-06	1e-14	3e-07
9:	3.8254e+00	3.8254e+00	9e-08	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0882e+00	2.0860e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7803e+00	3.7789e+00	2e+00	7e-01	2e-15	6e-02
3:	4.1638e+00	4.1634e+00	5e-01	2e-01	3e-15	1e-02
4:	4.3221e+00	4.3220e+00	1e-01	4e-02	1e-15	3e-03
5:	4.3493e+00	4.3492e+00	1e-02	4e-03	2e-15	3e-04
6:	4.3526e+00	4.3526e+00	1e-04	4e-05	7e-16	3e-06
7:	4.3526e+00	4.3526e+00	1e-06	4e-07	1e-15	3e-08
8:	4.3526e+00	4.3526e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5741e-01	7.5456e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8771e+00	1.8756e+00	9e-01	3e-01	1e-15	3e-02
3:	2.0001e+00	1.9990e+00	3e-01	1e-01	1e-15	1e-02
4:	2.1094e+00	2.1091e+00	8e-02	2e-02	6e-16	2e-03
5:	2.1299e+00	2.1298e+00	2e-02	6e-03	9e-16	6e-04
6:	2.1346e+00	2.1346e+00	4e-04	1e-04	3e-15	1e-05
7:	2.1347e+00	2.1347e+00	4e-06	1e-06	6e-16	1e-07
8:	2.1347e+00	2.1347e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9015e+00	1.8981e+00	5e+00	2e+00	3e-16	2e-01
2:	4.3199e+00	4.3183e+00	1e+00	3e-01	1e-15	3e-02
3:	4.5913e+00	4.5908e+00	3e-01	8e-02	2e-15	8e-03
4:	4.6335e+00	4.6333e+00	7e-02	2e-02	1e-14	2e-03
5:	4.6400e+00	4.6399e+00	2e-02	7e-03	2e-14	6e-04
6:	4.6445e+00	4.6445e+00	6e-04	2e-04	4e-15	2e-05
7:	4.6446e+00	4.6446e+00	6e-06	2e-06	6e-15	2e-07
8:	4.6446e+00	4.6446e+00	6e-08	2e-08	8e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1949e+00	2.1916e+00	5e+00	2e+00	2e-16	2e-01
2:	4.0180e+00	4.0166e+00	1e+00	3e-01	3e-15	3e-02
3:	4.3179e+00	4.3176e+00	2e-01	5e-02	9e-16	5e-03
4:	4.3594e+00	4.3594e+00	8e-03	2e-03	6e-15	2e-04
5:	4.3614e+00	4.3614e+00	8e-05	2e-05	7e-16	2e-06
6:	4.3615e+00	4.3615e+00	8e-07	2e-07	8e-16	2e-08
7:	4.3615e+00	4.3615e+00	8e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.2054e+00	2.2038e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6294e+00	3.6290e+00	1e+00	4e-01	3e-15	3e-02
3:	4.0863e+00	4.0861e+00	3e-01	9e-02	1e-15	7e-03
4:	4.1671e+00	4.1670e+00	7e-02	2e-02	1e-15	2e-03
5:	4.1844e+00	4.1844e+00	4e-03	1e-03	3e-15	1e-04
6:	4.1854e+00	4.1854e+00	2e-03	6e-04	2e-15	5e-05
7:	4.1858e+00	4.1858e+00	7e-05	2e-05	6e-15	2e-06
8:	4.1859e+00	4.1859e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0063e+00	1.0037e+00	5e+00	1e+00	2e-16	2e-01
2:	2.6222e+00	2.6204e+00	8e-01	3e-01	2e-15	3e-02
3:	2.8257e+00	2.8251e+00	1e-01	5e-02	1e-15	5e-03
4:	2.8619e+00	2.8618e+00	1e-02	4e-03	3e-15	3e-04
5:	2.8651e+00	2.8651e+00	1e-04	4e-05	2e-15	4e-06
6:	2.8651e+00	2.8651e+00	1e-06	4e-07	2e-15	4e-08
7:	2.8651e+00	2.8651e+00	1e-08	4e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1178e+00	1.1144e+00	5e+00	2e+00	3e-16	2e-01
2:	2.6913e+00	2.6894e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9292e+00	2.9287e+00	2e-01	7e-02	1e-15	7e-03
4:	2.9927e+00	2.9926e+00	7e-02	2e-02	6e-16	2e-03
5:	3.0064e+00	3.0063e+00	7e-03	2e-03	3e-15	2e-04
6:	3.0082e+00	3.0082e+00	7e-05	2e-05	5e-16	2e-06
7:	3.0082e+00	3.0082e+00	7e-07	2e-07	1e-15	2e-08
8:	3.0082e+00	3.0082e+00	7e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4021e+00	1.3991e+00	6e+00	2e+00	3e-16	2e-01
2:	3.1796e+00	3.1782e+00	1e+00	4e-01	9e-16	4e-02
3:	3.5333e+00	3.5326e+00	4e-01	1e-01	1e-15	1e-02
4:	3.6222e+00	3.6219e+00	1e-01	4e-02	1e-15	4e-03
5:	3.6381e+00	3.6380e+00	4e-02	1e-02	6e-15	1e-03
6:	3.6473e+00	3.6473e+00	2e-03	7e-04	2e-15	6e-05
7:	3.6479e+00	3.6479e+00	2e-05	7e-06	9e-16	6e-07
8:	3.6479e+00	3.6479e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8411e+00	1.8377e+00	5e+00	2e+00	1e-16	2e-01
2:	3.6130e+00	3.6114e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9362e+00	3.9353e+00	3e-01	1e-01	2e-15	1e-02
4:	4.0179e+00	4.0177e+00	5e-02	2e-02	2e-15	1e-03
5:	4.0334e+00	4.0334e+00	8e-03	3e-03	7e-16	2e-04

6:	4.0355e+00	4.0355e+00	8e-05	3e-05	9e-16	2e-06
7:	4.0356e+00	4.0356e+00	8e-07	3e-07	1e-15	2e-08
8:	4.0356e+00	4.0356e+00	8e-09	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2922e+00	3.2896e+00	5e+00	2e+00	3e-16	2e-01
2:	5.4592e+00	5.4580e+00	1e+00	4e-01	4e-15	3e-02
3:	5.8572e+00	5.8569e+00	3e-01	8e-02	3e-15	7e-03
4:	5.9382e+00	5.9382e+00	4e-02	1e-02	1e-14	1e-03
5:	5.9419e+00	5.9419e+00	2e-02	6e-03	4e-14	5e-04
6:	5.9466e+00	5.9466e+00	6e-03	2e-03	2e-14	1e-04
7:	5.9477e+00	5.9477e+00	7e-05	2e-05	3e-14	2e-06
8:	5.9478e+00	5.9478e+00	7e-07	2e-07	2e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0459e+00	3.0436e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1268e+00	5.1259e+00	2e+00	5e-01	3e-15	4e-02
3:	5.6208e+00	5.6204e+00	4e-01	1e-01	2e-15	1e-02
4:	5.7488e+00	5.7487e+00	7e-02	2e-02	3e-15	2e-03
5:	5.7741e+00	5.7741e+00	5e-03	2e-03	2e-14	1e-04
6:	5.7754e+00	5.7754e+00	7e-05	2e-05	6e-14	2e-06
7:	5.7754e+00	5.7754e+00	7e-07	2e-07	7e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4088e+00	2.4068e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1802e+00	4.1793e+00	2e+00	5e-01	2e-15	4e-02
3:	4.6378e+00	4.6375e+00	3e-01	9e-02	1e-15	8e-03
4:	4.6544e+00	4.6542e+00	2e-01	5e-02	5e-15	4e-03
5:	4.7004e+00	4.7002e+00	8e-02	2e-02	2e-15	2e-03
6:	4.7149e+00	4.7148e+00	2e-02	6e-03	2e-15	5e-04
7:	4.7199e+00	4.7199e+00	3e-04	8e-05	1e-15	7e-06
8:	4.7200e+00	4.7200e+00	3e-06	8e-07	1e-15	7e-08
9:	4.7200e+00	4.7200e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9653e+00	2.9647e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9639e+00	4.9637e+00	2e+00	6e-01	2e-15	5e-02
3:	5.6877e+00	5.6876e+00	5e-01	2e-01	1e-15	1e-02
4:	5.7711e+00	5.7710e+00	1e-01	4e-02	3e-15	3e-03
5:	5.8174e+00	5.8174e+00	1e-02	4e-03	1e-15	3e-04
6:	5.8191e+00	5.8191e+00	5e-03	1e-03	3e-14	1e-04
7:	5.8200e+00	5.8200e+00	6e-04	2e-04	2e-14	1e-05
8:	5.8202e+00	5.8202e+00	9e-06	3e-06	1e-14	2e-07
9:	5.8202e+00	5.8202e+00	9e-08	3e-08	3e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9523e+00	2.9490e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9778e+00	4.9759e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2737e+00	5.2733e+00	2e-01	6e-02	1e-15	5e-03
4:	5.3271e+00	5.3271e+00	4e-03	1e-03	3e-15	1e-04
5:	5.3281e+00	5.3281e+00	4e-05	1e-05	1e-15	1e-06
6:	5.3281e+00	5.3281e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5216e+00	1.5188e+00	5e+00	1e+00	2e-16	2e-01
2:	3.3014e+00	3.2996e+00	1e+00	4e-01	2e-15	4e-02
3:	3.6536e+00	3.6525e+00	3e-01	9e-02	3e-15	1e-02
4:	3.7291e+00	3.7287e+00	7e-02	2e-02	2e-15	2e-03
5:	3.7437e+00	3.7437e+00	9e-03	3e-03	2e-15	3e-04
6:	3.7454e+00	3.7454e+00	2e-04	6e-05	2e-14	5e-06
7:	3.7454e+00	3.7454e+00	2e-06	6e-07	1e-14	5e-08
8:	3.7454e+00	3.7454e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6727e+00	1.6694e+00	5e+00	2e+00	3e-16	2e-01
2:	3.2843e+00	3.2826e+00	1e+00	3e-01	2e-15	3e-02
3:	3.4998e+00	3.4994e+00	2e-01	6e-02	1e-15	6e-03
4:	3.5717e+00	3.5716e+00	4e-02	1e-02	1e-15	1e-03
5:	3.5804e+00	3.5804e+00	3e-03	9e-04	5e-15	8e-05
6:	3.5812e+00	3.5812e+00	3e-05	9e-06	1e-15	8e-07
7:	3.5812e+00	3.5812e+00	3e-07	9e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5258e+00	2.5301e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9407e+00	3.9422e+00	1e+00	5e-01	4e-16	4e-02
3:	4.1914e+00	4.1918e+00	3e-01	9e-02	6e-16	7e-03
4:	4.2612e+00	4.2613e+00	8e-02	3e-02	4e-16	2e-03
5:	4.2716e+00	4.2717e+00	2e-02	8e-03	2e-15	6e-04
6:	4.2766e+00	4.2766e+00	4e-03	1e-03	8e-16	1e-04
7:	4.2776e+00	4.2776e+00	2e-03	6e-04	5e-16	5e-05
8:	4.2780e+00	4.2780e+00	4e-05	1e-05	1e-15	9e-07
9:	4.2780e+00	4.2780e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5818e+00	2.5834e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8273e+00	3.8279e+00	2e+00	6e-01	2e-15	5e-02
3:	4.1577e+00	4.1579e+00	5e-01	2e-01	1e-15	1e-02



4:	4.2885e+00	4.2886e+00	1e-01	3e-02	9e-16	2e-03
5:	4.3190e+00	4.3190e+00	2e-02	6e-03	1e-15	5e-04
6:	4.3231e+00	4.3231e+00	7e-04	2e-04	3e-15	2e-05
7:	4.3233e+00	4.3233e+00	7e-06	2e-06	3e-15	2e-07
8:	4.3233e+00	4.3233e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3230e+00	2.3196e+00	5e+00	2e+00	2e-16	2e-01
2:	4.3163e+00	4.3150e+00	1e+00	4e-01	1e-15	4e-02
3:	4.6771e+00	4.6766e+00	3e-01	8e-02	3e-15	7e-03
4:	4.7621e+00	4.7618e+00	6e-02	2e-02	2e-15	2e-03
5:	4.7749e+00	4.7748e+00	1e-02	5e-03	2e-14	4e-04
6:	4.7778e+00	4.7778e+00	2e-03	5e-04	1e-14	4e-05
7:	4.7781e+00	4.7781e+00	2e-05	5e-06	3e-14	4e-07
8:	4.7781e+00	4.7781e+00	2e-07	5e-08	4e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5359e+00	1.5326e+00	5e+00	2e+00	3e-16	2e-01
2:	3.0264e+00	3.0248e+00	1e+00	4e-01	3e-15	4e-02
3:	3.2743e+00	3.2740e+00	2e-01	7e-02	1e-15	7e-03
4:	3.3387e+00	3.3386e+00	7e-02	2e-02	2e-15	2e-03
5:	3.3530e+00	3.3530e+00	9e-03	3e-03	2e-15	2e-04
6:	3.3553e+00	3.3553e+00	3e-03	8e-04	1e-15	7e-05
7:	3.3559e+00	3.3559e+00	3e-04	8e-05	4e-15	7e-06
8:	3.3559e+00	3.3559e+00	3e-06	8e-07	8e-16	7e-08
9:	3.3559e+00	3.3559e+00	3e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9416e+00	2.9385e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2889e+00	5.2875e+00	2e+00	5e-01	3e-15	4e-02
3:	5.6062e+00	5.6056e+00	3e-01	8e-02	4e-15	7e-03
4:	5.6846e+00	5.6845e+00	3e-02	9e-03	8e-16	8e-04
5:	5.6930e+00	5.6930e+00	1e-02	3e-03	6e-16	3e-04
6:	5.6953e+00	5.6953e+00	2e-03	6e-04	3e-15	4e-05
7:	5.6958e+00	5.6958e+00	2e-05	6e-06	5e-16	5e-07
8:	5.6958e+00	5.6958e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2143e+00	2.2133e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0249e+00	4.0245e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3977e+00	4.3976e+00	5e-01	1e-01	8e-16	1e-02
4:	4.4939e+00	4.4939e+00	1e-01	4e-02	1e-15	3e-03
5:	4.5211e+00	4.5211e+00	6e-03	2e-03	2e-15	2e-04
6:	4.5229e+00	4.5229e+00	7e-05	2e-05	6e-16	2e-06

7:	4.5229e+00	4.5229e+00	7e-07	2e-07	6e-16	2e-08
8:	4.5229e+00	4.5229e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8210e+00	1.8186e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3502e+00	3.3493e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7382e+00	3.7379e+00	2e-01	8e-02	1e-15	6e-03
4:	3.7989e+00	3.7988e+00	5e-02	2e-02	9e-16	1e-03
5:	3.8159e+00	3.8159e+00	1e-02	3e-03	8e-16	3e-04
6:	3.8188e+00	3.8188e+00	3e-04	8e-05	4e-15	7e-06
7:	3.8189e+00	3.8189e+00	3e-06	8e-07	1e-15	7e-08
8:	3.8189e+00	3.8189e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5246e+00	2.5212e+00	5e+00	2e+00	2e-16	2e-01
2:	5.0236e+00	5.0223e+00	9e-01	3e-01	2e-15	3e-02
3:	5.2561e+00	5.2555e+00	2e-01	8e-02	9e-15	7e-03
4:	5.2888e+00	5.2886e+00	6e-02	2e-02	1e-14	2e-03
5:	5.3026e+00	5.3026e+00	5e-03	1e-03	4e-15	1e-04
6:	5.3034e+00	5.3034e+00	5e-05	1e-05	4e-15	1e-06
7:	5.3034e+00	5.3034e+00	5e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8509e+00	1.8480e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8306e+00	3.8294e+00	1e+00	4e-01	1e-15	3e-02
3:	4.1210e+00	4.1207e+00	3e-01	9e-02	3e-15	7e-03
4:	4.1792e+00	4.1792e+00	3e-02	1e-02	5e-15	9e-04
5:	4.1878e+00	4.1878e+00	3e-03	1e-03	9e-16	8e-05
6:	4.1887e+00	4.1887e+00	5e-04	1e-04	1e-15	1e-05
7:	4.1889e+00	4.1888e+00	8e-06	2e-06	6e-15	2e-07
8:	4.1889e+00	4.1889e+00	8e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0473e+00	3.0446e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6140e+00	5.6130e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9434e+00	5.9431e+00	3e-01	1e-01	3e-15	9e-03
4:	5.9653e+00	5.9649e+00	1e-01	4e-02	8e-15	3e-03
5:	5.9996e+00	5.9996e+00	2e-03	5e-04	8e-16	4e-05
6:	6.0000e+00	6.0000e+00	2e-05	5e-06	1e-15	4e-07
7:	6.0000e+00	6.0000e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0375e+00	3.0383e+00	7e+00	2e+00	2e-16	2e-01

2:	5.2352e+00	5.2355e+00	2e+00	5e-01	1e-15	4e-02
3:	5.8113e+00	5.8114e+00	4e-01	1e-01	9e-16	9e-03
4:	5.8464e+00	5.8465e+00	2e-01	5e-02	5e-15	4e-03
5:	5.8846e+00	5.8846e+00	4e-02	1e-02	2e-15	9e-04
6:	5.8962e+00	5.8962e+00	1e-03	4e-04	1e-15	3e-05
7:	5.8965e+00	5.8965e+00	1e-05	4e-06	2e-15	3e-07
8:	5.8965e+00	5.8965e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8598e+00	2.8607e+00	6e+00	2e+00	2e-16	1e-01
2:	4.4599e+00	4.4602e+00	1e+00	4e-01	8e-16	3e-02
3:	4.8425e+00	4.8426e+00	2e-01	7e-02	2e-15	5e-03
4:	4.9041e+00	4.9041e+00	4e-02	1e-02	6e-16	1e-03
5:	4.9135e+00	4.9135e+00	9e-03	3e-03	1e-14	2e-04
6:	4.9158e+00	4.9158e+00	9e-05	3e-05	7e-16	2e-06
7:	4.9159e+00	4.9159e+00	9e-07	3e-07	7e-16	2e-08
8:	4.9159e+00	4.9159e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4480e+00	2.4451e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6383e+00	4.6368e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9352e+00	4.9347e+00	3e-01	1e-01	3e-15	9e-03
4:	5.0138e+00	5.0137e+00	6e-02	2e-02	3e-15	1e-03
5:	5.0265e+00	5.0265e+00	1e-02	4e-03	4e-15	3e-04
6:	5.0297e+00	5.0297e+00	4e-04	1e-04	1e-14	1e-05
7:	5.0299e+00	5.0299e+00	4e-06	1e-06	4e-15	1e-07
8:	5.0299e+00	5.0299e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1491e+00	3.1489e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3620e+00	5.3619e+00	1e+00	4e-01	1e-15	3e-02
3:	5.7443e+00	5.7443e+00	3e-01	1e-01	1e-15	8e-03
4:	5.8347e+00	5.8347e+00	4e-02	1e-02	1e-15	1e-03
5:	5.8442e+00	5.8442e+00	5e-04	2e-04	4e-15	1e-05
6:	5.8443e+00	5.8443e+00	5e-06	2e-06	4e-15	1e-07
7:	5.8443e+00	5.8443e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7433e+00	2.7415e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7448e+00	4.7442e+00	1e+00	4e-01	1e-15	3e-02
3:	5.1927e+00	5.1925e+00	4e-01	1e-01	8e-16	1e-02
4:	5.2473e+00	5.2471e+00	2e-01	5e-02	4e-15	4e-03
5:	5.2917e+00	5.2917e+00	3e-02	9e-03	1e-15	7e-04
6:	5.2995e+00	5.2995e+00	7e-04	2e-04	5e-15	2e-05

7:	5.2997e+00	5.2997e+00	7e-06	2e-06	5e-15	2e-07
8:	5.2997e+00	5.2997e+00	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3692e+00	3.3669e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5415e+00	5.5407e+00	1e+00	4e-01	2e-15	3e-02
3:	5.6277e+00	5.6272e+00	4e-01	1e-01	7e-15	1e-02
4:	5.7443e+00	5.7441e+00	1e-01	4e-02	2e-15	3e-03
5:	5.7673e+00	5.7672e+00	2e-02	7e-03	3e-15	6e-04
6:	5.7734e+00	5.7734e+00	3e-04	8e-05	1e-15	7e-06
7:	5.7734e+00	5.7734e+00	3e-06	8e-07	7e-16	7e-08
8:	5.7734e+00	5.7734e+00	3e-08	8e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2048e+00	2.2017e+00	5e+00	2e+00	2e-16	2e-01
2:	4.3710e+00	4.3699e+00	1e+00	3e-01	2e-15	3e-02
3:	4.5346e+00	4.5340e+00	4e-01	1e-01	2e-15	1e-02
4:	4.6497e+00	4.6496e+00	9e-02	3e-02	3e-15	3e-03
5:	4.6716e+00	4.6715e+00	3e-02	8e-03	3e-15	7e-04
6:	4.6748e+00	4.6747e+00	6e-03	2e-03	3e-14	2e-04
7:	4.6762e+00	4.6762e+00	1e-03	3e-04	5e-15	3e-05
8:	4.6764e+00	4.6764e+00	1e-05	3e-06	2e-15	3e-07
9:	4.6764e+00	4.6764e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2255e+00	3.2252e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7217e+00	5.7216e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9393e+00	5.9393e+00	3e-01	1e-01	4e-15	8e-03
4:	5.9980e+00	5.9980e+00	9e-03	3e-03	6e-15	2e-04
5:	6.0000e+00	6.0000e+00	9e-05	3e-05	2e-15	2e-06
6:	6.0000e+00	6.0000e+00	9e-07	3e-07	2e-15	2e-08
7:	6.0000e+00	6.0000e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6480e+00	2.6474e+00	6e+00	2e+00	1e-16	2e-01
2:	3.8896e+00	3.8894e+00	2e+00	5e-01	2e-15	4e-02
3:	4.3625e+00	4.3624e+00	7e-01	2e-01	2e-15	2e-02
4:	4.4992e+00	4.4991e+00	2e-01	6e-02	2e-15	5e-03
5:	4.5532e+00	4.5532e+00	2e-02	6e-03	9e-16	5e-04
6:	4.5582e+00	4.5582e+00	1e-03	4e-04	4e-15	3e-05
7:	4.5587e+00	4.5587e+00	1e-05	4e-06	6e-16	3e-07
8:	4.5587e+00	4.5587e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5875e+00	2.5847e+00	6e+00	2e+00	3e-16	2e-01
2:	4.2308e+00	4.2294e+00	1e+00	5e-01	3e-15	4e-02
3:	4.7083e+00	4.7081e+00	2e-01	6e-02	1e-15	5e-03
4:	4.7608e+00	4.7608e+00	2e-02	5e-03	2e-15	4e-04
5:	4.7670e+00	4.7670e+00	2e-04	5e-05	9e-16	4e-06
6:	4.7671e+00	4.7671e+00	2e-06	5e-07	5e-16	4e-08
7:	4.7671e+00	4.7671e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8512e+00	1.8496e+00	5e+00	2e+00	2e-16	1e-01
2:	3.7595e+00	3.7587e+00	1e+00	4e-01	1e-15	3e-02
3:	4.0675e+00	4.0673e+00	2e-01	6e-02	6e-16	5e-03
4:	4.0838e+00	4.0837e+00	6e-02	2e-02	4e-15	2e-03
5:	4.0987e+00	4.0987e+00	2e-03	8e-04	5e-16	6e-05
6:	4.0993e+00	4.0993e+00	2e-05	8e-06	1e-15	6e-07
7:	4.0993e+00	4.0993e+00	2e-07	8e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4535e+00	2.4501e+00	5e+00	2e+00	2e-16	2e-01
2:	4.7269e+00	4.7253e+00	1e+00	4e-01	2e-15	3e-02
3:	5.0194e+00	5.0188e+00	3e-01	1e-01	4e-15	1e-02
4:	5.0983e+00	5.0981e+00	8e-02	2e-02	2e-15	2e-03
5:	5.1137e+00	5.1136e+00	1e-02	3e-03	8e-15	3e-04
6:	5.1160e+00	5.1160e+00	4e-04	1e-04	2e-14	1e-05
7:	5.1161e+00	5.1161e+00	4e-06	1e-06	1e-13	1e-07
8:	5.1161e+00	5.1161e+00	4e-08	1e-08	4e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5236e+00	2.5210e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6849e+00	4.6839e+00	9e-01	3e-01	2e-15	3e-02
3:	4.9410e+00	4.9408e+00	2e-01	5e-02	6e-16	5e-03
4:	4.9676e+00	4.9676e+00	4e-02	1e-02	7e-15	1e-03
5:	4.9785e+00	4.9785e+00	4e-04	1e-04	2e-15	1e-05
6:	4.9786e+00	4.9786e+00	4e-06	1e-06	2e-15	1e-07
7:	4.9786e+00	4.9786e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5764e+00	2.5767e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3567e+00	4.3568e+00	2e+00	6e-01	1e-15	5e-02
3:	4.8493e+00	4.8494e+00	3e-01	1e-01	8e-16	8e-03
4:	4.9310e+00	4.9310e+00	3e-02	1e-02	7e-16	8e-04
5:	4.9372e+00	4.9372e+00	3e-04	1e-04	3e-15	9e-06
6:	4.9372e+00	4.9372e+00	3e-06	1e-06	2e-15	9e-08

7: 4.9372e+00 4.9372e+00 3e-08 1e-08 2e-15 9e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4134e+00	2.4130e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0648e+00	4.0646e+00	2e+00	7e-01	8e-16	6e-02
3:	4.6452e+00	4.6452e+00	5e-01	2e-01	2e-15	1e-02
4:	4.7333e+00	4.7333e+00	1e-01	4e-02	2e-15	3e-03
5:	4.7598e+00	4.7598e+00	3e-02	9e-03	2e-15	7e-04
6:	4.7655e+00	4.7655e+00	1e-03	5e-04	6e-15	4e-05
7:	4.7659e+00	4.7659e+00	2e-05	5e-06	1e-15	4e-07
8:	4.7659e+00	4.7659e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7269e+00	2.7262e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6387e+00	4.6384e+00	2e+00	6e-01	8e-16	5e-02
3:	5.2427e+00	5.2426e+00	3e-01	9e-02	1e-15	7e-03
4:	5.2793e+00	5.2792e+00	1e-01	4e-02	5e-15	3e-03
5:	5.3029e+00	5.3028e+00	8e-02	2e-02	4e-15	2e-03
6:	5.3204e+00	5.3204e+00	4e-03	1e-03	3e-15	9e-05
7:	5.3212e+00	5.3212e+00	4e-05	1e-05	3e-15	9e-07
8:	5.3213e+00	5.3213e+00	4e-07	1e-07	4e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5306e+00	2.5275e+00	5e+00	2e+00	3e-16	2e-01
2:	4.7345e+00	4.7330e+00	2e+00	5e-01	1e-15	5e-02
3:	4.9742e+00	4.9733e+00	4e-01	1e-01	3e-15	1e-02
4:	5.1298e+00	5.1296e+00	1e-01	3e-02	1e-15	3e-03
5:	5.1550e+00	5.1550e+00	2e-03	7e-04	2e-15	6e-05
6:	5.1557e+00	5.1557e+00	2e-05	7e-06	1e-15	6e-07
7:	5.1557e+00	5.1557e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0106e+00	1.0073e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7097e+00	2.7080e+00	8e-01	3e-01	1e-15	3e-02
3:	2.9507e+00	2.9499e+00	2e-01	6e-02	1e-15	5e-03
4:	2.9765e+00	2.9762e+00	5e-02	1e-02	3e-15	1e-03
5:	2.9888e+00	2.9888e+00	1e-03	3e-04	7e-16	3e-05
6:	2.9891e+00	2.9891e+00	1e-05	3e-06	2e-15	3e-07
7:	2.9891e+00	2.9891e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2096e+00	2.2064e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2660e+00	4.2645e+00	1e+00	4e-01	2e-15	4e-02

3:	4.4683e+00	4.4675e+00	4e-01	1e-01	2e-15	1e-02
4:	4.5860e+00	4.5857e+00	1e-01	4e-02	2e-15	4e-03
5:	4.6249e+00	4.6248e+00	1e-02	4e-03	2e-15	4e-04
6:	4.6274e+00	4.6274e+00	3e-03	1e-03	3e-14	8e-05
7:	4.6282e+00	4.6282e+00	4e-05	1e-05	2e-15	1e-06
8:	4.6283e+00	4.6283e+00	4e-07	1e-07	2e-15	1e-08
9:	4.6283e+00	4.6283e+00	4e-09	1e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1858e+00	2.1826e+00	5e+00	2e+00	2e-16	2e-01
2:	4.0261e+00	4.0246e+00	1e+00	4e-01	3e-15	3e-02
3:	4.4415e+00	4.4412e+00	2e-01	7e-02	9e-16	6e-03
4:	4.4878e+00	4.4877e+00	4e-02	1e-02	1e-14	1e-03
5:	4.4944e+00	4.4944e+00	7e-03	2e-03	6e-15	2e-04
6:	4.4962e+00	4.4962e+00	1e-03	3e-04	8e-15	3e-05
7:	4.4963e+00	4.4963e+00	7e-05	2e-05	8e-14	2e-06
8:	4.4963e+00	4.4963e+00	7e-07	2e-07	2e-14	2e-08
9:	4.4963e+00	4.4963e+00	7e-09	2e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0911e+00	1.0878e+00	5e+00	2e+00	2e-16	2e-01
2:	2.4258e+00	2.4242e+00	1e+00	3e-01	1e-15	3e-02
3:	2.7479e+00	2.7474e+00	2e-01	8e-02	2e-15	8e-03
4:	2.7952e+00	2.7950e+00	7e-02	2e-02	3e-15	2e-03
5:	2.8065e+00	2.8065e+00	1e-02	4e-03	4e-15	3e-04
6:	2.8093e+00	2.8093e+00	1e-03	3e-04	1e-15	3e-05
7:	2.8096e+00	2.8096e+00	2e-05	5e-06	1e-15	4e-07
8:	2.8096e+00	2.8096e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1898e+00	2.1864e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9666e+00	3.9655e+00	9e-01	3e-01	1e-15	3e-02
3:	4.2034e+00	4.2029e+00	2e-01	6e-02	2e-15	6e-03
4:	4.2483e+00	4.2482e+00	5e-02	2e-02	3e-15	1e-03
5:	4.2571e+00	4.2571e+00	3e-03	1e-03	4e-15	1e-04
6:	4.2580e+00	4.2580e+00	3e-05	1e-05	2e-15	1e-06
7:	4.2580e+00	4.2580e+00	3e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9763e+00	1.9737e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7522e+00	3.7512e+00	1e+00	4e-01	1e-15	3e-02
3:	4.0772e+00	4.0766e+00	4e-01	1e-01	1e-15	1e-02
4:	4.1718e+00	4.1716e+00	2e-01	5e-02	1e-15	4e-03
5:	4.2053e+00	4.2052e+00	3e-02	9e-03	3e-15	7e-04

6:	4.2130e+00	4.2130e+00	4e-04	1e-04	6e-16	9e-06
7:	4.2130e+00	4.2130e+00	4e-06	1e-06	8e-16	9e-08
8:	4.2130e+00	4.2130e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6395e+00	2.6365e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8909e+00	4.8895e+00	2e+00	5e-01	2e-15	5e-02
3:	5.2781e+00	5.2776e+00	4e-01	1e-01	2e-15	1e-02
4:	5.3844e+00	5.3842e+00	8e-02	3e-02	1e-15	2e-03
5:	5.3964e+00	5.3964e+00	1e-02	4e-03	2e-14	3e-04
6:	5.3994e+00	5.3994e+00	2e-04	6e-05	2e-15	5e-06
7:	5.3995e+00	5.3995e+00	2e-06	6e-07	3e-15	5e-08
8:	5.3995e+00	5.3995e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6073e+00	1.6044e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3069e+00	3.3056e+00	2e+00	5e-01	2e-15	4e-02
3:	3.6787e+00	3.6782e+00	3e-01	1e-01	5e-16	9e-03
4:	3.7846e+00	3.7845e+00	6e-02	2e-02	2e-15	2e-03
5:	3.7930e+00	3.7930e+00	1e-02	4e-03	1e-14	3e-04
6:	3.7960e+00	3.7960e+00	5e-04	2e-04	4e-15	1e-05
7:	3.7961e+00	3.7961e+00	5e-06	2e-06	5e-15	1e-07
8:	3.7961e+00	3.7961e+00	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6598e+00	1.6569e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2299e+00	3.2285e+00	2e+00	5e-01	3e-15	4e-02
3:	3.5663e+00	3.5652e+00	6e-01	2e-01	4e-15	2e-02
4:	3.7391e+00	3.7388e+00	2e-01	5e-02	1e-15	4e-03
5:	3.7724e+00	3.7723e+00	4e-02	1e-02	3e-15	1e-03
6:	3.7828e+00	3.7828e+00	2e-03	7e-04	5e-15	5e-05
7:	3.7833e+00	3.7833e+00	8e-05	2e-05	2e-15	2e-06
8:	3.7833e+00	3.7833e+00	4e-06	1e-06	8e-16	1e-07
9:	3.7833e+00	3.7833e+00	4e-08	1e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1301e+00	3.1348e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2717e+00	5.2732e+00	1e+00	4e-01	1e-15	3e-02
3:	5.4740e+00	5.4747e+00	4e-01	1e-01	3e-15	1e-02
4:	5.5722e+00	5.5723e+00	4e-02	1e-02	2e-15	1e-03
5:	5.5841e+00	5.5841e+00	2e-02	5e-03	2e-15	4e-04
6:	5.5869e+00	5.5869e+00	5e-03	2e-03	4e-15	1e-04
7:	5.5883e+00	5.5883e+00	9e-05	3e-05	1e-15	2e-06
8:	5.5883e+00	5.5883e+00	9e-07	3e-07	2e-15	2e-08



Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0727e+00	2.0694e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5574e+00	3.5563e+00	1e+00	3e-01	3e-15	3e-02
3:	3.8520e+00	3.8515e+00	3e-01	9e-02	4e-15	8e-03
4:	3.9117e+00	3.9115e+00	7e-02	2e-02	3e-15	2e-03
5:	3.9227e+00	3.9227e+00	8e-03	3e-03	5e-15	2e-04
6:	3.9246e+00	3.9246e+00	4e-04	1e-04	2e-15	9e-06
7:	3.9247e+00	3.9247e+00	4e-06	1e-06	1e-15	9e-08
8:	3.9247e+00	3.9247e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1129e+00	2.1102e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1025e+00	4.1015e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3726e+00	4.3724e+00	2e-01	5e-02	1e-15	4e-03
4:	4.4018e+00	4.4017e+00	5e-02	2e-02	7e-15	1e-03
5:	4.4120e+00	4.4120e+00	1e-02	4e-03	2e-15	3e-04
6:	4.4143e+00	4.4143e+00	1e-04	4e-05	3e-15	4e-06
7:	4.4143e+00	4.4143e+00	1e-06	4e-07	2e-15	4e-08
8:	4.4143e+00	4.4143e+00	1e-08	4e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6266e+00	1.6232e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9837e+00	2.9822e+00	2e+00	5e-01	2e-15	5e-02
3:	3.5880e+00	3.5873e+00	4e-01	1e-01	1e-15	1e-02
4:	3.6348e+00	3.6343e+00	2e-01	5e-02	3e-15	4e-03
5:	3.6784e+00	3.6783e+00	2e-02	7e-03	1e-15	6e-04
6:	3.6844e+00	3.6844e+00	3e-04	1e-04	1e-15	9e-06
7:	3.6845e+00	3.6845e+00	3e-06	1e-06	1e-15	9e-08
8:	3.6845e+00	3.6845e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6316e+00	2.6292e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6934e+00	4.6927e+00	1e+00	4e-01	1e-15	3e-02
3:	5.1608e+00	5.1606e+00	2e-01	7e-02	8e-16	6e-03
4:	5.2306e+00	5.2305e+00	2e-02	8e-03	6e-15	7e-04
5:	5.2355e+00	5.2355e+00	5e-03	2e-03	5e-14	1e-04
6:	5.2371e+00	5.2371e+00	5e-05	2e-05	5e-15	1e-06
7:	5.2371e+00	5.2371e+00	5e-07	2e-07	9e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3140e+00	2.3115e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1259e+00	4.1250e+00	1e+00	4e-01	2e-15	3e-02

3:	4.5361e+00	4.5358e+00	4e-01	1e-01	1e-15	1e-02
4:	4.5991e+00	4.5989e+00	8e-02	3e-02	3e-15	2e-03
5:	4.6173e+00	4.6173e+00	9e-03	3e-03	2e-15	2e-04
6:	4.6194e+00	4.6194e+00	2e-04	8e-05	2e-15	6e-06
7:	4.6194e+00	4.6194e+00	2e-06	8e-07	2e-15	6e-08
8:	4.6194e+00	4.6194e+00	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2685e+00	1.2652e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8445e+00	2.8429e+00	1e+00	3e-01	8e-16	3e-02
3:	3.0374e+00	3.0368e+00	3e-01	9e-02	2e-15	8e-03
4:	3.0910e+00	3.0908e+00	8e-02	3e-02	1e-15	2e-03
5:	3.1104e+00	3.1103e+00	3e-02	1e-02	1e-15	8e-04
6:	3.1156e+00	3.1156e+00	6e-03	2e-03	2e-15	2e-04
7:	3.1171e+00	3.1171e+00	8e-04	3e-04	2e-15	2e-05
8:	3.1173e+00	3.1173e+00	5e-05	2e-05	4e-14	1e-06
9:	3.1173e+00	3.1173e+00	5e-07	2e-07	5e-15	1e-08
10:	3.1173e+00	3.1173e+00	5e-09	2e-09	7e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5486e+00	2.5462e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5286e+00	4.5277e+00	1e+00	4e-01	2e-15	3e-02
3:	4.7957e+00	4.7953e+00	4e-01	1e-01	1e-15	1e-02
4:	4.8706e+00	4.8704e+00	1e-01	4e-02	5e-15	3e-03
5:	4.9074e+00	4.9073e+00	4e-02	1e-02	2e-15	1e-03
6:	4.9168e+00	4.9168e+00	4e-03	1e-03	2e-15	1e-04
7:	4.9178e+00	4.9178e+00	5e-05	2e-05	2e-15	1e-06
8:	4.9178e+00	4.9178e+00	5e-07	2e-07	2e-15	1e-08
9:	4.9178e+00	4.9178e+00	5e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5916e+00	3.5896e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7441e+00	5.7436e+00	1e+00	3e-01	2e-15	3e-02
3:	6.0858e+00	6.0856e+00	2e-01	7e-02	2e-15	5e-03
4:	6.1496e+00	6.1495e+00	5e-02	2e-02	2e-15	1e-03
5:	6.1639e+00	6.1639e+00	2e-03	6e-04	6e-15	5e-05
6:	6.1646e+00	6.1646e+00	2e-05	6e-06	2e-15	5e-07
7:	6.1646e+00	6.1646e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9969e+00	1.9936e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9114e+00	3.9100e+00	1e+00	4e-01	2e-15	3e-02
3:	4.1413e+00	4.1405e+00	3e-01	9e-02	5e-15	8e-03
4:	4.2338e+00	4.2336e+00	8e-02	3e-02	1e-15	2e-03

5:	4.2513e+00	4.2512e+00	2e-02	7e-03	2e-15	6e-04
6:	4.2576e+00	4.2576e+00	3e-04	1e-04	5e-16	8e-06
7:	4.2577e+00	4.2577e+00	3e-06	1e-06	9e-16	8e-08
8:	4.2577e+00	4.2577e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1067e+00	4.1067e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7440e+00	5.7440e+00	1e+00	5e-01	1e-15	4e-02
3:	6.3478e+00	6.3478e+00	2e-01	6e-02	2e-15	5e-03
4:	6.4001e+00	6.4001e+00	3e-02	8e-03	7e-15	6e-04
5:	6.4093e+00	6.4093e+00	3e-04	9e-05	9e-16	7e-06
6:	6.4094e+00	6.4094e+00	3e-06	9e-07	8e-16	7e-08
7:	6.4094e+00	6.4094e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7159e+00	2.7181e+00	7e+00	2e+00	3e-16	2e-01
2:	4.4594e+00	4.4601e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9592e+00	4.9594e+00	3e-01	1e-01	2e-15	8e-03
4:	5.0196e+00	5.0197e+00	1e-01	3e-02	4e-15	2e-03
5:	5.0392e+00	5.0392e+00	1e-02	4e-03	5e-15	3e-04
6:	5.0435e+00	5.0435e+00	6e-04	2e-04	1e-15	1e-05
7:	5.0436e+00	5.0436e+00	6e-06	2e-06	7e-16	1e-07
8:	5.0436e+00	5.0436e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2870e+00	3.2869e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3148e+00	5.3147e+00	2e+00	7e-01	1e-15	5e-02
3:	5.6800e+00	5.6800e+00	5e-01	2e-01	1e-15	1e-02
4:	5.8291e+00	5.8291e+00	1e-01	4e-02	8e-16	3e-03
5:	5.8556e+00	5.8556e+00	2e-02	6e-03	2e-15	5e-04
6:	5.8617e+00	5.8617e+00	3e-03	8e-04	1e-15	7e-05
7:	5.8624e+00	5.8624e+00	4e-05	1e-05	9e-15	1e-06
8:	5.8624e+00	5.8624e+00	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5517e+00	3.5515e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8149e+00	5.8148e+00	1e+00	4e-01	3e-15	3e-02
3:	6.1829e+00	6.1829e+00	2e-01	7e-02	1e-15	5e-03
4:	6.2308e+00	6.2308e+00	8e-03	3e-03	2e-15	2e-04
5:	6.2331e+00	6.2331e+00	9e-05	3e-05	1e-15	2e-06
6:	6.2331e+00	6.2331e+00	9e-07	3e-07	1e-15	2e-08
7:	6.2331e+00	6.2331e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1709e+00	2.1698e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0317e+00	4.0313e+00	1e+00	4e-01	1e-15	4e-02
3:	4.3249e+00	4.3248e+00	3e-01	9e-02	8e-16	7e-03
4:	4.4108e+00	4.4108e+00	4e-02	1e-02	6e-16	1e-03
5:	4.4259e+00	4.4259e+00	3e-03	9e-04	1e-15	8e-05
6:	4.4267e+00	4.4267e+00	3e-04	1e-04	4e-14	8e-06
7:	4.4268e+00	4.4268e+00	3e-06	1e-06	3e-15	8e-08
8:	4.4268e+00	4.4268e+00	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3331e+00	3.3359e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1378e+00	5.1388e+00	2e+00	5e-01	9e-16	4e-02
3:	5.5688e+00	5.5692e+00	5e-01	1e-01	3e-15	1e-02
4:	5.6754e+00	5.6755e+00	7e-02	2e-02	3e-15	2e-03
5:	5.6881e+00	5.6881e+00	9e-03	3e-03	7e-15	2e-04
6:	5.6908e+00	5.6908e+00	2e-03	7e-04	2e-15	5e-05
7:	5.6915e+00	5.6915e+00	3e-05	1e-05	2e-15	7e-07
8:	5.6915e+00	5.6915e+00	3e-07	1e-07	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2869e+00	1.2841e+00	5e+00	1e+00	2e-16	2e-01
2:	3.1244e+00	3.1226e+00	9e-01	3e-01	1e-15	3e-02
3:	3.3326e+00	3.3321e+00	2e-01	7e-02	2e-15	7e-03
4:	3.3691e+00	3.3691e+00	2e-02	7e-03	2e-15	7e-04
5:	3.3749e+00	3.3748e+00	2e-03	7e-04	2e-15	7e-05
6:	3.3753e+00	3.3753e+00	2e-05	8e-06	5e-15	7e-07
7:	3.3753e+00	3.3753e+00	2e-07	8e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2526e+00	2.2509e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0496e+00	4.0488e+00	2e+00	5e-01	1e-15	5e-02
3:	4.3685e+00	4.3683e+00	4e-01	1e-01	2e-15	9e-03
4:	4.4808e+00	4.4807e+00	5e-02	1e-02	8e-16	1e-03
5:	4.4944e+00	4.4944e+00	2e-03	6e-04	4e-15	5e-05
6:	4.4948e+00	4.4948e+00	2e-05	6e-06	5e-15	5e-07
7:	4.4948e+00	4.4948e+00	2e-07	6e-08	5e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3860e+00	2.3827e+00	5e+00	2e+00	3e-16	2e-01
2:	4.3535e+00	4.3520e+00	1e+00	5e-01	2e-15	4e-02
3:	4.7249e+00	4.7246e+00	2e-01	6e-02	2e-15	5e-03
4:	4.7962e+00	4.7961e+00	4e-02	1e-02	1e-15	1e-03
5:	4.8091e+00	4.8090e+00	2e-03	7e-04	7e-15	6e-05

6:	4.8097e+00	4.8097e+00	2e-05	7e-06	1e-15	6e-07
7:	4.8097e+00	4.8097e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2180e+00	4.2192e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4191e+00	6.4194e+00	1e+00	4e-01	1e-15	3e-02
3:	6.8279e+00	6.8280e+00	2e-01	6e-02	3e-15	5e-03
4:	6.8779e+00	6.8779e+00	6e-02	2e-02	7e-15	1e-03
5:	6.8866e+00	6.8867e+00	8e-03	2e-03	1e-14	2e-04
6:	6.8885e+00	6.8885e+00	2e-04	6e-05	7e-15	5e-06
7:	6.8886e+00	6.8886e+00	2e-06	6e-07	2e-15	5e-08
8:	6.8886e+00	6.8886e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2143e+00	3.2139e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9927e+00	4.9926e+00	1e+00	4e-01	1e-15	3e-02
3:	5.3101e+00	5.3101e+00	4e-01	1e-01	1e-15	1e-02
4:	5.3948e+00	5.3948e+00	7e-02	2e-02	2e-15	2e-03
5:	5.4141e+00	5.4141e+00	8e-03	3e-03	1e-15	2e-04
6:	5.4167e+00	5.4167e+00	1e-04	3e-05	1e-15	2e-06
7:	5.4168e+00	5.4168e+00	1e-06	3e-07	7e-16	2e-08
8:	5.4168e+00	5.4168e+00	1e-08	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7186e+00	2.7201e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9154e+00	4.9160e+00	1e+00	5e-01	1e-15	4e-02
3:	5.1091e+00	5.1092e+00	2e-01	8e-02	2e-15	6e-03
4:	5.2005e+00	5.2005e+00	4e-02	1e-02	8e-16	9e-04
5:	5.2094e+00	5.2094e+00	7e-03	2e-03	2e-15	2e-04
6:	5.2096e+00	5.2096e+00	4e-03	1e-03	1e-13	1e-04
7:	5.2108e+00	5.2108e+00	1e-04	3e-05	1e-14	2e-06
8:	5.2108e+00	5.2108e+00	1e-06	3e-07	1e-14	3e-08
9:	5.2108e+00	5.2108e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.3072e+00	3.3040e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3028e+00	5.3015e+00	1e+00	5e-01	2e-15	4e-02
3:	5.6771e+00	5.6763e+00	6e-01	2e-01	4e-15	2e-02
4:	5.8358e+00	5.8355e+00	1e-01	4e-02	3e-15	4e-03
5:	5.8537e+00	5.8535e+00	6e-02	2e-02	1e-14	1e-03
6:	5.8712e+00	5.8712e+00	2e-03	6e-04	1e-15	5e-05
7:	5.8717e+00	5.8717e+00	2e-05	6e-06	2e-15	5e-07
8:	5.8717e+00	5.8717e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6023e+00	2.5999e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4195e+00	4.4188e+00	9e-01	3e-01	3e-15	3e-02
3:	4.7493e+00	4.7491e+00	2e-01	6e-02	2e-15	5e-03
4:	4.8082e+00	4.8082e+00	1e-02	5e-03	2e-15	4e-04
5:	4.8125e+00	4.8125e+00	3e-03	1e-03	2e-14	8e-05
6:	4.8133e+00	4.8133e+00	1e-04	5e-05	1e-13	4e-06
7:	4.8134e+00	4.8134e+00	1e-06	5e-07	2e-14	4e-08
8:	4.8134e+00	4.8134e+00	1e-08	5e-09	1e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5509e+00	2.5519e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9725e+00	4.9729e+00	2e+00	6e-01	1e-15	4e-02
3:	5.3372e+00	5.3373e+00	4e-01	1e-01	1e-15	1e-02
4:	5.4521e+00	5.4521e+00	4e-02	1e-02	2e-15	1e-03
5:	5.4609e+00	5.4609e+00	3e-03	8e-04	2e-14	6e-05
6:	5.4616e+00	5.4616e+00	3e-05	8e-06	2e-15	6e-07
7:	5.4616e+00	5.4616e+00	3e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9332e+00	1.9303e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0183e+00	4.0170e+00	1e+00	4e-01	1e-15	4e-02
3:	4.4390e+00	4.4385e+00	3e-01	1e-01	3e-15	9e-03
4:	4.5450e+00	4.5449e+00	5e-02	2e-02	1e-15	1e-03
5:	4.5556e+00	4.5556e+00	4e-03	1e-03	1e-14	1e-04
6:	4.5565e+00	4.5565e+00	9e-05	3e-05	5e-14	2e-06
7:	4.5565e+00	4.5565e+00	9e-07	3e-07	1e-14	2e-08
8:	4.5565e+00	4.5565e+00	9e-09	3e-09	3e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0913e+00	3.0899e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6596e+00	5.6591e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8363e+00	5.8361e+00	4e-01	1e-01	2e-15	1e-02
4:	5.9291e+00	5.9291e+00	7e-02	2e-02	2e-15	2e-03
5:	5.9546e+00	5.9546e+00	2e-02	6e-03	1e-15	5e-04
6:	5.9593e+00	5.9593e+00	2e-03	7e-04	2e-14	5e-05
7:	5.9599e+00	5.9599e+00	2e-05	7e-06	2e-15	5e-07
8:	5.9599e+00	5.9599e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0382e+00	3.0364e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0290e+00	5.0281e+00	2e+00	6e-01	2e-15	5e-02
3:	5.7279e+00	5.7275e+00	5e-01	2e-01	2e-15	1e-02

4:	5.8789e+00	5.8787e+00	1e-01	4e-02	3e-15	3e-03
5:	5.9039e+00	5.9039e+00	3e-02	9e-03	3e-15	7e-04
6:	5.9069e+00	5.9068e+00	8e-03	2e-03	4e-14	2e-04
7:	5.9088e+00	5.9088e+00	5e-04	2e-04	4e-15	1e-05
8:	5.9090e+00	5.9090e+00	5e-06	2e-06	1e-14	1e-07
9:	5.9090e+00	5.9090e+00	5e-08	2e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2810e+00	4.2821e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5023e+00	6.5026e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9559e+00	6.9560e+00	2e-01	7e-02	1e-15	6e-03
4:	6.9809e+00	6.9809e+00	7e-02	2e-02	1e-14	2e-03
5:	6.9998e+00	6.9998e+00	8e-04	3e-04	2e-15	2e-05
6:	7.0000e+00	7.0000e+00	8e-06	3e-06	3e-15	2e-07
7:	7.0000e+00	7.0000e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6957e+00	2.6929e+00	5e+00	2e+00	2e-16	2e-01
2:	4.8208e+00	4.8194e+00	2e+00	5e-01	2e-15	4e-02
3:	5.1397e+00	5.1390e+00	4e-01	1e-01	3e-15	1e-02
4:	5.2351e+00	5.2349e+00	8e-02	3e-02	2e-15	2e-03
5:	5.2542e+00	5.2541e+00	1e-02	4e-03	2e-15	4e-04
6:	5.2560e+00	5.2560e+00	5e-03	2e-03	7e-15	1e-04
7:	5.2574e+00	5.2574e+00	8e-05	2e-05	1e-15	2e-06
8:	5.2574e+00	5.2574e+00	8e-07	2e-07	1e-15	2e-08
9:	5.2574e+00	5.2574e+00	8e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9682e+00	2.9705e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7387e+00	4.7395e+00	2e+00	6e-01	8e-16	4e-02
3:	5.0860e+00	5.0863e+00	4e-01	1e-01	1e-15	9e-03
4:	5.1812e+00	5.1813e+00	1e-01	3e-02	9e-16	3e-03
5:	5.2019e+00	5.2019e+00	5e-03	2e-03	3e-15	1e-04
6:	5.2032e+00	5.2032e+00	8e-04	2e-04	7e-16	2e-05
7:	5.2034e+00	5.2034e+00	8e-06	2e-06	6e-16	2e-07
8:	5.2034e+00	5.2034e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1795e+00	3.1814e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2152e+00	5.2160e+00	2e+00	6e-01	2e-15	4e-02
3:	5.6829e+00	5.6831e+00	3e-01	1e-01	1e-15	8e-03
4:	5.7307e+00	5.7307e+00	9e-02	3e-02	3e-15	2e-03
5:	5.7565e+00	5.7565e+00	7e-03	2e-03	6e-16	2e-04
6:	5.7587e+00	5.7587e+00	1e-04	4e-05	6e-16	3e-06

7:	5.7588e+00	5.7588e+00	1e-06	4e-07	6e-16	3e-08
8:	5.7588e+00	5.7588e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7192e+00	1.7171e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0134e+00	3.0128e+00	1e+00	4e-01	2e-15	3e-02
3:	3.3077e+00	3.3073e+00	4e-01	1e-01	1e-15	1e-02
4:	3.3878e+00	3.3877e+00	6e-02	2e-02	2e-15	2e-03
5:	3.3997e+00	3.3997e+00	8e-03	3e-03	1e-15	2e-04
6:	3.4022e+00	3.4022e+00	9e-04	3e-04	5e-16	2e-05
7:	3.4025e+00	3.4025e+00	2e-05	6e-06	9e-16	5e-07
8:	3.4025e+00	3.4025e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7758e+00	2.7733e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6988e+00	4.6980e+00	1e+00	4e-01	3e-15	4e-02
3:	5.0251e+00	5.0249e+00	2e-01	6e-02	1e-15	5e-03
4:	5.0761e+00	5.0760e+00	3e-02	9e-03	4e-15	7e-04
5:	5.0803e+00	5.0803e+00	3e-03	1e-03	1e-14	9e-05
6:	5.0813e+00	5.0813e+00	2e-04	7e-05	4e-15	6e-06
7:	5.0814e+00	5.0814e+00	2e-06	7e-07	4e-15	6e-08
8:	5.0814e+00	5.0814e+00	2e-08	7e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8876e+00	4.8867e+00	6e+00	2e+00	2e-16	1e-01
2:	6.5924e+00	6.5922e+00	1e+00	3e-01	3e-15	3e-02
3:	6.9045e+00	6.9045e+00	2e-01	5e-02	2e-15	4e-03
4:	6.9612e+00	6.9612e+00	2e-02	7e-03	4e-15	6e-04
5:	6.9671e+00	6.9671e+00	7e-04	2e-04	2e-14	2e-05
6:	6.9673e+00	6.9673e+00	7e-06	2e-06	5e-15	2e-07
7:	6.9673e+00	6.9673e+00	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0221e+00	1.0192e+00	5e+00	1e+00	2e-16	2e-01
2:	2.5660e+00	2.5639e+00	1e+00	3e-01	9e-16	3e-02
3:	2.8422e+00	2.8415e+00	2e-01	8e-02	9e-16	8e-03
4:	2.8864e+00	2.8862e+00	3e-02	1e-02	6e-15	9e-04
5:	2.8942e+00	2.8942e+00	4e-04	1e-04	1e-15	1e-05
6:	2.8944e+00	2.8944e+00	4e-06	1e-06	2e-15	1e-07
7:	2.8944e+00	2.8944e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9078e+00	2.9050e+00	6e+00	2e+00	3e-16	2e-01



2:	5.2469e+00	5.2458e+00	2e+00	5e-01	2e-15	4e-02
3:	5.8440e+00	5.8437e+00	3e-01	9e-02	4e-15	8e-03
4:	5.8781e+00	5.8779e+00	9e-02	3e-02	1e-14	2e-03
5:	5.9002e+00	5.9002e+00	1e-02	4e-03	5e-15	4e-04
6:	5.9045e+00	5.9045e+00	2e-04	6e-05	2e-15	5e-06
7:	5.9046e+00	5.9046e+00	2e-06	6e-07	3e-15	5e-08
8:	5.9046e+00	5.9046e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1506e+00	2.1491e+00	6e+00	2e+00	3e-16	2e-01
2:	3.5111e+00	3.5104e+00	1e+00	5e-01	4e-15	4e-02
3:	4.0545e+00	4.0543e+00	4e-01	1e-01	1e-15	1e-02
4:	4.1546e+00	4.1545e+00	1e-01	3e-02	2e-15	3e-03
5:	4.1921e+00	4.1921e+00	1e-02	4e-03	2e-15	3e-04
6:	4.1955e+00	4.1955e+00	6e-04	2e-04	1e-14	2e-05
7:	4.1956e+00	4.1956e+00	6e-06	2e-06	2e-15	2e-07
8:	4.1956e+00	4.1956e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1046e+00	3.1037e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1020e+00	5.1017e+00	2e+00	7e-01	3e-15	5e-02
3:	5.5876e+00	5.5875e+00	4e-01	1e-01	2e-15	1e-02
4:	5.6948e+00	5.6948e+00	5e-02	2e-02	1e-15	1e-03
5:	5.7129e+00	5.7129e+00	5e-03	2e-03	2e-15	1e-04
6:	5.7142e+00	5.7142e+00	5e-05	2e-05	3e-15	1e-06
7:	5.7143e+00	5.7143e+00	5e-07	2e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4062e+00	3.4052e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4007e+00	5.4003e+00	2e+00	6e-01	2e-15	4e-02
3:	6.0005e+00	6.0004e+00	4e-01	1e-01	2e-15	1e-02
4:	6.1372e+00	6.1371e+00	6e-02	2e-02	1e-14	1e-03
5:	6.1554e+00	6.1554e+00	4e-03	1e-03	3e-15	9e-05
6:	6.1563e+00	6.1563e+00	4e-05	1e-05	3e-15	9e-07
7:	6.1563e+00	6.1563e+00	4e-07	1e-07	4e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9939e+00	2.9974e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2534e+00	5.2548e+00	2e+00	6e-01	8e-16	5e-02
3:	5.7223e+00	5.7228e+00	5e-01	2e-01	1e-15	1e-02
4:	5.8544e+00	5.8546e+00	2e-01	5e-02	9e-16	4e-03
5:	5.8827e+00	5.8827e+00	3e-02	1e-02	3e-15	8e-04
6:	5.8893e+00	5.8893e+00	3e-03	9e-04	5e-15	7e-05
7:	5.8901e+00	5.8901e+00	6e-05	2e-05	1e-15	1e-06

8:	5.8901e+00	5.8901e+00	6e-07	2e-07	3e-15	1e-08
9:	5.8901e+00	5.8901e+00	6e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0383e+00	4.0385e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9214e+00	5.9215e+00	2e+00	6e-01	2e-15	5e-02
3:	6.3200e+00	6.3201e+00	6e-01	2e-01	1e-15	1e-02
4:	6.4861e+00	6.4861e+00	2e-01	6e-02	6e-16	4e-03
5:	6.5307e+00	6.5307e+00	2e-02	7e-03	9e-16	5e-04
6:	6.5357e+00	6.5357e+00	2e-04	7e-05	2e-15	5e-06
7:	6.5357e+00	6.5357e+00	2e-06	7e-07	1e-15	5e-08
8:	6.5357e+00	6.5357e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7005e+00	2.6994e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9176e+00	3.9171e+00	2e+00	6e-01	1e-15	5e-02
3:	4.6830e+00	4.6829e+00	4e-01	1e-01	1e-15	1e-02
4:	4.7365e+00	4.7364e+00	1e-01	4e-02	3e-15	3e-03
5:	4.7727e+00	4.7727e+00	4e-03	1e-03	6e-16	1e-04
6:	4.7739e+00	4.7739e+00	4e-05	1e-05	7e-16	1e-06
7:	4.7739e+00	4.7739e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9203e+00	3.9270e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1109e+00	6.1133e+00	2e+00	6e-01	6e-16	4e-02
3:	6.4464e+00	6.4474e+00	4e-01	1e-01	3e-15	1e-02
4:	6.5348e+00	6.5349e+00	6e-02	2e-02	8e-16	1e-03
5:	6.5499e+00	6.5500e+00	2e-02	6e-03	5e-16	4e-04
6:	6.5538e+00	6.5538e+00	4e-04	1e-04	2e-15	1e-05
7:	6.5539e+00	6.5539e+00	4e-06	1e-06	3e-15	1e-07
8:	6.5539e+00	6.5539e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2885e+00	3.2882e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9478e+00	4.9476e+00	1e+00	4e-01	1e-15	4e-02
3:	5.2133e+00	5.2133e+00	3e-01	1e-01	1e-15	8e-03
4:	5.3260e+00	5.3260e+00	9e-02	3e-02	6e-16	2e-03
5:	5.3474e+00	5.3474e+00	7e-03	2e-03	1e-15	2e-04
6:	5.3492e+00	5.3492e+00	7e-05	2e-05	6e-16	2e-06
7:	5.3492e+00	5.3492e+00	7e-07	2e-07	9e-16	2e-08
8:	5.3492e+00	5.3492e+00	7e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.5359e+00	3.5351e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7162e+00	5.7159e+00	2e+00	5e-01	1e-15	4e-02
3:	6.0862e+00	6.0861e+00	3e-01	1e-01	2e-15	8e-03
4:	6.1925e+00	6.1925e+00	5e-02	2e-02	2e-15	1e-03
5:	6.2083e+00	6.2083e+00	3e-03	1e-03	3e-15	8e-05
6:	6.2089e+00	6.2089e+00	7e-04	2e-04	2e-13	2e-05
7:	6.2092e+00	6.2092e+00	8e-06	2e-06	7e-15	2e-07
8:	6.2092e+00	6.2092e+00	8e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4011e+00	3.4003e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2502e+00	5.2500e+00	1e+00	4e-01	2e-15	3e-02
3:	5.6052e+00	5.6051e+00	4e-01	1e-01	2e-15	1e-02
4:	5.6812e+00	5.6812e+00	1e-01	3e-02	2e-15	3e-03
5:	5.7031e+00	5.7031e+00	1e-02	3e-03	5e-15	3e-04
6:	5.7067e+00	5.7067e+00	4e-04	1e-04	5e-15	1e-05
7:	5.7068e+00	5.7068e+00	4e-06	1e-06	7e-15	1e-07
8:	5.7068e+00	5.7068e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1504e+00	2.1470e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2081e+00	4.2064e+00	2e+00	5e-01	2e-15	5e-02
3:	4.5772e+00	4.5765e+00	3e-01	1e-01	4e-15	1e-02
4:	4.6567e+00	4.6565e+00	9e-02	3e-02	2e-15	3e-03
5:	4.6723e+00	4.6722e+00	1e-02	4e-03	1e-14	4e-04
6:	4.6758e+00	4.6758e+00	2e-03	5e-04	2e-15	4e-05
7:	4.6761e+00	4.6761e+00	2e-05	5e-06	4e-15	4e-07
8:	4.6761e+00	4.6761e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4815e+00	1.4784e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3622e+00	3.3604e+00	1e+00	4e-01	1e-15	4e-02
3:	3.6171e+00	3.6157e+00	4e-01	1e-01	2e-15	1e-02
4:	3.6864e+00	3.6858e+00	1e-01	4e-02	2e-15	4e-03
5:	3.7290e+00	3.7290e+00	1e-02	4e-03	4e-15	4e-04
6:	3.7328e+00	3.7328e+00	4e-04	1e-04	3e-15	1e-05
7:	3.7329e+00	3.7329e+00	4e-06	1e-06	3e-15	1e-07
8:	3.7329e+00	3.7329e+00	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5816e+00	2.5808e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6720e+00	4.6717e+00	1e+00	4e-01	2e-15	3e-02
3:	5.0035e+00	5.0034e+00	4e-01	1e-01	1e-15	9e-03
4:	5.0773e+00	5.0773e+00	7e-02	2e-02	2e-15	2e-03

5:	5.0915e+00	5.0915e+00	1e-02	4e-03	4e-15	3e-04
6:	5.0957e+00	5.0957e+00	1e-04	4e-05	1e-15	4e-06
7:	5.0957e+00	5.0957e+00	1e-06	4e-07	6e-16	4e-08
8:	5.0957e+00	5.0957e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9053e+00	2.9032e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0842e+00	5.0834e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3582e+00	5.3578e+00	4e-01	1e-01	1e-15	1e-02
4:	5.4310e+00	5.4308e+00	1e-01	3e-02	2e-15	3e-03
5:	5.4602e+00	5.4602e+00	4e-03	1e-03	6e-16	9e-05
6:	5.4610e+00	5.4610e+00	4e-05	1e-05	8e-16	9e-07
7:	5.4610e+00	5.4610e+00	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1839e+00	1.1805e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7191e+00	2.7170e+00	2e+00	5e-01	1e-15	5e-02
3:	3.1258e+00	3.1251e+00	4e-01	1e-01	1e-15	1e-02
4:	3.2284e+00	3.2282e+00	7e-02	2e-02	1e-15	2e-03
5:	3.2447e+00	3.2447e+00	7e-03	2e-03	4e-15	2e-04
6:	3.2461e+00	3.2461e+00	1e-03	4e-04	1e-13	3e-05
7:	3.2464e+00	3.2464e+00	1e-05	4e-06	7e-15	3e-07
8:	3.2464e+00	3.2464e+00	1e-07	4e-08	9e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1746e+00	1.1713e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8045e+00	2.8030e+00	1e+00	3e-01	1e-15	3e-02
3:	3.0826e+00	3.0819e+00	2e-01	6e-02	1e-15	6e-03
4:	3.1251e+00	3.1251e+00	3e-02	8e-03	2e-15	7e-04
5:	3.1320e+00	3.1319e+00	7e-03	2e-03	1e-15	2e-04
6:	3.1335e+00	3.1335e+00	1e-04	3e-05	4e-15	3e-06
7:	3.1335e+00	3.1335e+00	1e-06	3e-07	2e-15	3e-08
8:	3.1335e+00	3.1335e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2540e+00	1.2510e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1061e+00	3.1042e+00	1e+00	3e-01	1e-15	4e-02
3:	3.4444e+00	3.4439e+00	2e-01	7e-02	9e-16	7e-03
4:	3.4941e+00	3.4939e+00	6e-02	2e-02	2e-15	2e-03
5:	3.5036e+00	3.5036e+00	1e-02	4e-03	6e-15	3e-04
6:	3.5053e+00	3.5053e+00	2e-03	5e-04	9e-14	5e-05
7:	3.5057e+00	3.5057e+00	1e-04	4e-05	7e-15	3e-06
8:	3.5057e+00	3.5057e+00	1e-06	4e-07	4e-14	3e-08
9:	3.5057e+00	3.5057e+00	1e-08	4e-09	3e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6249e+00	1.6225e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4841e+00	3.4831e+00	1e+00	4e-01	1e-15	3e-02
3:	3.6694e+00	3.6689e+00	5e-01	1e-01	1e-15	1e-02
4:	3.8024e+00	3.8023e+00	7e-02	2e-02	1e-15	2e-03
5:	3.8177e+00	3.8177e+00	4e-03	1e-03	4e-15	1e-04
6:	3.8185e+00	3.8185e+00	5e-05	1e-05	5e-15	1e-06
7:	3.8185e+00	3.8185e+00	5e-07	1e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8198e+00	1.8172e+00	6e+00	2e+00	3e-16	2e-01
2:	3.0648e+00	3.0639e+00	1e+00	4e-01	2e-15	3e-02
3:	3.4824e+00	3.4821e+00	2e-01	7e-02	1e-15	6e-03
4:	3.5273e+00	3.5272e+00	6e-02	2e-02	2e-15	2e-03
5:	3.5459e+00	3.5459e+00	6e-03	2e-03	5e-15	2e-04
6:	3.5478e+00	3.5478e+00	1e-04	4e-05	1e-15	3e-06
7:	3.5478e+00	3.5478e+00	1e-06	4e-07	3e-15	3e-08
8:	3.5478e+00	3.5478e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0743e+00	3.0730e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9010e+00	4.9006e+00	1e+00	4e-01	1e-15	3e-02
3:	5.2618e+00	5.2616e+00	5e-01	2e-01	1e-15	1e-02
4:	5.3999e+00	5.3998e+00	6e-02	2e-02	4e-15	2e-03
5:	5.4184e+00	5.4184e+00	4e-03	1e-03	7e-16	1e-04
6:	5.4194e+00	5.4194e+00	4e-05	1e-05	7e-16	1e-06
7:	5.4194e+00	5.4194e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8245e+00	1.8211e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5970e+00	3.5954e+00	1e+00	4e-01	2e-15	4e-02
3:	3.8530e+00	3.8520e+00	4e-01	1e-01	4e-15	1e-02
4:	3.9613e+00	3.9610e+00	1e-01	3e-02	1e-15	3e-03
5:	3.9915e+00	3.9915e+00	2e-02	6e-03	1e-15	5e-04
6:	3.9953e+00	3.9953e+00	3e-03	1e-03	4e-15	8e-05
7:	3.9962e+00	3.9962e+00	3e-05	1e-05	5e-16	9e-07
8:	3.9962e+00	3.9962e+00	3e-07	1e-07	6e-16	9e-09
9:	3.9962e+00	3.9962e+00	3e-09	1e-09	7e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1547e+00	3.1526e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0515e+00	5.0507e+00	2e+00	5e-01	4e-15	4e-02

3:	5.4683e+00	5.4681e+00	3e-01	9e-02	2e-15	7e-03
4:	5.5581e+00	5.5580e+00	4e-02	1e-02	2e-15	1e-03
5:	5.5732e+00	5.5732e+00	3e-03	8e-04	5e-15	7e-05
6:	5.5740e+00	5.5740e+00	3e-05	8e-06	8e-15	7e-07
7:	5.5740e+00	5.5740e+00	3e-07	8e-08	7e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0825e+00	3.0829e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0349e+00	5.0351e+00	2e+00	6e-01	3e-15	4e-02
3:	5.3738e+00	5.3739e+00	4e-01	1e-01	2e-15	9e-03
4:	5.4938e+00	5.4938e+00	8e-02	3e-02	1e-15	2e-03
5:	5.5054e+00	5.5054e+00	2e-02	7e-03	9e-15	5e-04
6:	5.5110e+00	5.5110e+00	7e-04	2e-04	1e-15	2e-05
7:	5.5112e+00	5.5112e+00	7e-06	2e-06	4e-15	2e-07
8:	5.5112e+00	5.5112e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5068e+00	3.5062e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6528e+00	5.6526e+00	2e+00	5e-01	8e-16	4e-02
3:	6.1225e+00	6.1225e+00	6e-01	2e-01	6e-15	1e-02
4:	6.2558e+00	6.2557e+00	1e-01	5e-02	7e-15	4e-03
5:	6.3060e+00	6.3060e+00	4e-03	1e-03	2e-15	1e-04
6:	6.3073e+00	6.3073e+00	4e-05	1e-05	1e-15	1e-06
7:	6.3073e+00	6.3073e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.0445e-01	9.0109e-01	5e+00	2e+00	2e-16	2e-01
2:	2.0906e+00	2.0891e+00	1e+00	4e-01	7e-16	4e-02
3:	2.3973e+00	2.3969e+00	3e-01	1e-01	6e-16	9e-03
4:	2.4646e+00	2.4645e+00	6e-02	2e-02	1e-15	2e-03
5:	2.4781e+00	2.4781e+00	1e-02	3e-03	2e-15	3e-04
6:	2.4801e+00	2.4801e+00	2e-04	6e-05	3e-15	5e-06
7:	2.4802e+00	2.4802e+00	2e-06	6e-07	2e-15	5e-08
8:	2.4802e+00	2.4802e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9283e+00	3.9301e+00	6e+00	2e+00	2e-16	1e-01
2:	5.3049e+00	5.3057e+00	1e+00	5e-01	2e-15	4e-02
3:	5.8622e+00	5.8624e+00	3e-01	8e-02	6e-16	6e-03
4:	5.9216e+00	5.9216e+00	5e-02	2e-02	9e-15	1e-03
5:	5.9318e+00	5.9318e+00	6e-03	2e-03	4e-15	2e-04
6:	5.9328e+00	5.9328e+00	8e-04	3e-04	1e-14	2e-05
7:	5.9329e+00	5.9329e+00	4e-04	1e-04	6e-15	1e-05
8:	5.9330e+00	5.9330e+00	2e-05	6e-06	1e-14	4e-07

9: 5.9330e+00 5.9330e+00 2e-07 6e-08 5e-15 5e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9798e+00	2.9812e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9088e+00	4.9093e+00	1e+00	5e-01	9e-16	4e-02
3:	5.3610e+00	5.3611e+00	3e-01	1e-01	7e-16	8e-03
4:	5.4021e+00	5.4021e+00	9e-02	3e-02	3e-15	2e-03
5:	5.4229e+00	5.4229e+00	2e-02	6e-03	7e-16	5e-04
6:	5.4276e+00	5.4277e+00	1e-03	3e-04	2e-15	2e-05
7:	5.4279e+00	5.4279e+00	1e-05	3e-06	9e-16	3e-07
8:	5.4279e+00	5.4279e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4462e+00	1.4429e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0142e+00	3.0129e+00	1e+00	4e-01	2e-15	3e-02
3:	3.3193e+00	3.3188e+00	2e-01	7e-02	2e-15	6e-03
4:	3.3828e+00	3.3827e+00	2e-02	7e-03	6e-16	6e-04
5:	3.3900e+00	3.3900e+00	3e-03	1e-03	1e-15	9e-05
6:	3.3909e+00	3.3909e+00	4e-05	1e-05	3e-15	1e-06
7:	3.3909e+00	3.3909e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8276e+00	2.8289e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9237e+00	4.9241e+00	1e+00	5e-01	2e-15	4e-02
3:	5.3065e+00	5.3066e+00	2e-01	8e-02	2e-15	6e-03
4:	5.3542e+00	5.3542e+00	6e-02	2e-02	4e-15	1e-03
5:	5.3708e+00	5.3708e+00	2e-03	7e-04	4e-15	6e-05
6:	5.3715e+00	5.3715e+00	2e-05	7e-06	9e-16	6e-07
7:	5.3715e+00	5.3715e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1840e+00	2.1827e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8278e+00	3.8271e+00	2e+00	6e-01	2e-15	5e-02
3:	4.2020e+00	4.2018e+00	4e-01	1e-01	2e-15	1e-02
4:	4.3093e+00	4.3093e+00	4e-02	1e-02	1e-15	1e-03
5:	4.3200e+00	4.3200e+00	2e-03	5e-04	3e-15	4e-05
6:	4.3205e+00	4.3205e+00	2e-05	5e-06	7e-16	4e-07
7:	4.3205e+00	4.3205e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6151e+00	2.6152e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6544e+00	4.6544e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9888e+00	4.9889e+00	4e-01	1e-01	2e-15	1e-02

4:	5.0621e+00	5.0621e+00	7e-02	2e-02	3e-15	2e-03
5:	5.0824e+00	5.0824e+00	7e-03	2e-03	2e-15	2e-04
6:	5.0847e+00	5.0847e+00	5e-04	2e-04	1e-14	1e-05
7:	5.0849e+00	5.0849e+00	3e-05	1e-05	4e-13	8e-07
8:	5.0849e+00	5.0849e+00	3e-07	1e-07	7e-14	8e-09
9:	5.0849e+00	5.0849e+00	3e-09	1e-09	4e-14	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5671e+00	3.5696e+00	6e+00	2e+00	2e-16	1e-01
2:	5.6326e+00	5.6334e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9496e+00	5.9497e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9844e+00	5.9844e+00	3e-02	8e-03	1e-15	6e-04
5:	5.9898e+00	5.9898e+00	9e-04	3e-04	5e-15	2e-05
6:	5.9901e+00	5.9901e+00	9e-06	3e-06	1e-15	2e-07
7:	5.9901e+00	5.9901e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4859e+00	3.4848e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7542e+00	5.7537e+00	1e+00	4e-01	2e-15	4e-02
3:	6.1573e+00	6.1572e+00	3e-01	8e-02	2e-15	6e-03
4:	6.2066e+00	6.2066e+00	5e-02	1e-02	3e-15	1e-03
5:	6.2160e+00	6.2160e+00	1e-03	3e-04	4e-15	3e-05
6:	6.2162e+00	6.2162e+00	1e-05	3e-06	3e-15	3e-07
7:	6.2162e+00	6.2162e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3123e+00	4.3178e+00	6e+00	2e+00	3e-16	1e-01
2:	6.4153e+00	6.4174e+00	2e+00	5e-01	9e-16	4e-02
3:	6.6936e+00	6.6946e+00	6e-01	2e-01	1e-15	1e-02
4:	6.8735e+00	6.8736e+00	3e-02	1e-02	5e-16	8e-04
5:	6.8834e+00	6.8834e+00	4e-04	1e-04	1e-15	9e-06
6:	6.8835e+00	6.8835e+00	4e-06	1e-06	1e-15	9e-08
7:	6.8835e+00	6.8835e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2402e+00	2.2410e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0208e+00	4.0212e+00	2e+00	7e-01	1e-15	5e-02
3:	4.4944e+00	4.4945e+00	6e-01	2e-01	6e-16	1e-02
4:	4.5852e+00	4.5852e+00	2e-01	6e-02	3e-15	5e-03
5:	4.6297e+00	4.6297e+00	4e-02	1e-02	2e-15	1e-03
6:	4.6382e+00	4.6382e+00	7e-04	2e-04	3e-15	2e-05
7:	4.6383e+00	4.6383e+00	7e-06	2e-06	2e-15	2e-07
8:	4.6384e+00	4.6384e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5653e+00	2.5623e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9736e+00	4.9721e+00	2e+00	5e-01	9e-16	4e-02
3:	5.3475e+00	5.3471e+00	3e-01	1e-01	3e-15	9e-03
4:	5.4188e+00	5.4187e+00	6e-02	2e-02	7e-15	2e-03
5:	5.4387e+00	5.4387e+00	3e-03	9e-04	8e-16	8e-05
6:	5.4395e+00	5.4395e+00	3e-05	9e-06	1e-15	8e-07
7:	5.4395e+00	5.4395e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4131e+00	3.4141e+00	7e+00	2e+00	3e-16	2e-01
2:	5.0137e+00	5.0140e+00	2e+00	6e-01	7e-16	5e-02
3:	5.7246e+00	5.7247e+00	5e-01	2e-01	6e-16	1e-02
4:	5.8199e+00	5.8200e+00	1e-01	5e-02	3e-15	4e-03
5:	5.8657e+00	5.8657e+00	6e-03	2e-03	7e-16	1e-04
6:	5.8675e+00	5.8675e+00	1e-03	4e-04	4e-16	3e-05
7:	5.8678e+00	5.8678e+00	1e-05	4e-06	1e-15	3e-07
8:	5.8678e+00	5.8678e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3097e+00	2.3064e+00	5e+00	2e+00	2e-16	2e-01
2:	4.4353e+00	4.4336e+00	1e+00	4e-01	4e-15	4e-02
3:	4.8035e+00	4.8032e+00	2e-01	6e-02	1e-15	5e-03
4:	4.8356e+00	4.8355e+00	4e-02	1e-02	1e-14	1e-03
5:	4.8489e+00	4.8489e+00	3e-03	1e-03	4e-15	1e-04
6:	4.8499e+00	4.8499e+00	5e-05	2e-05	3e-14	1e-06
7:	4.8499e+00	4.8499e+00	5e-07	2e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6217e+00	3.6216e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1850e+00	5.1849e+00	2e+00	5e-01	1e-15	4e-02
3:	5.7478e+00	5.7478e+00	4e-01	1e-01	2e-15	1e-02
4:	5.8355e+00	5.8355e+00	9e-02	3e-02	4e-15	2e-03
5:	5.8667e+00	5.8667e+00	8e-03	3e-03	1e-15	2e-04
6:	5.8689e+00	5.8689e+00	8e-05	3e-05	1e-15	2e-06
7:	5.8689e+00	5.8689e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3863e+00	2.3868e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3048e+00	4.3050e+00	2e+00	5e-01	8e-16	4e-02
3:	4.6354e+00	4.6354e+00	3e-01	9e-02	9e-16	7e-03
4:	4.7052e+00	4.7052e+00	7e-02	2e-02	2e-15	2e-03
5:	4.7197e+00	4.7197e+00	1e-03	4e-04	3e-15	3e-05

6:	4.7200e+00	4.7200e+00	1e-05	4e-06	2e-15	3e-07
7:	4.7200e+00	4.7200e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0244e+00	3.0231e+00	6e+00	2e+00	2e-16	1e-01
2:	5.5367e+00	5.5362e+00	1e+00	4e-01	9e-16	3e-02
3:	5.8383e+00	5.8382e+00	4e-01	1e-01	2e-15	9e-03
4:	5.8970e+00	5.8969e+00	1e-01	3e-02	5e-15	3e-03
5:	5.9151e+00	5.9150e+00	3e-02	8e-03	9e-15	6e-04
6:	5.9230e+00	5.9230e+00	2e-03	6e-04	2e-15	5e-05
7:	5.9233e+00	5.9233e+00	3e-04	1e-04	1e-13	9e-06
8:	5.9234e+00	5.9234e+00	1e-05	4e-06	3e-13	3e-07
9:	5.9234e+00	5.9234e+00	1e-07	4e-08	9e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4464e+00	2.4466e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9787e+00	3.9787e+00	2e+00	6e-01	2e-15	4e-02
3:	4.4419e+00	4.4419e+00	3e-01	1e-01	1e-15	8e-03
4:	4.4921e+00	4.4921e+00	1e-01	3e-02	2e-15	2e-03
5:	4.5175e+00	4.5175e+00	1e-02	4e-03	2e-15	3e-04
6:	4.5205e+00	4.5205e+00	1e-04	4e-05	3e-15	3e-06
7:	4.5206e+00	4.5206e+00	1e-06	4e-07	4e-15	3e-08
8:	4.5206e+00	4.5206e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1758e+00	2.1725e+00	5e+00	2e+00	2e-16	2e-01
2:	4.4465e+00	4.4449e+00	1e+00	4e-01	1e-15	4e-02
3:	4.6611e+00	4.6603e+00	3e-01	1e-01	2e-15	9e-03
4:	4.7376e+00	4.7374e+00	5e-02	2e-02	2e-15	1e-03
5:	4.7485e+00	4.7485e+00	4e-03	1e-03	2e-15	1e-04
6:	4.7496e+00	4.7496e+00	5e-05	1e-05	1e-15	1e-06
7:	4.7496e+00	4.7496e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4213e+00	2.4189e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1066e+00	4.1058e+00	1e+00	4e-01	2e-15	3e-02
3:	4.4472e+00	4.4469e+00	3e-01	9e-02	7e-16	8e-03
4:	4.4804e+00	4.4803e+00	1e-01	3e-02	8e-15	3e-03
5:	4.5019e+00	4.5019e+00	1e-02	4e-03	1e-15	4e-04
6:	4.5067e+00	4.5067e+00	3e-03	9e-04	7e-16	7e-05
7:	4.5074e+00	4.5074e+00	5e-05	2e-05	2e-15	1e-06
8:	4.5074e+00	4.5074e+00	5e-07	2e-07	3e-15	1e-08
9:	4.5074e+00	4.5074e+00	5e-09	2e-09	4e-13	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9614e+00	1.9584e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7145e+00	3.7134e+00	1e+00	4e-01	1e-15	3e-02
3:	4.0705e+00	4.0701e+00	3e-01	1e-01	2e-15	9e-03
4:	4.1422e+00	4.1421e+00	5e-02	1e-02	2e-15	1e-03
5:	4.1592e+00	4.1592e+00	2e-03	8e-04	2e-15	6e-05
6:	4.1598e+00	4.1598e+00	2e-05	8e-06	3e-15	6e-07
7:	4.1598e+00	4.1598e+00	2e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1394e+00	4.1411e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6191e+00	6.6196e+00	1e+00	4e-01	2e-15	3e-02
3:	7.0274e+00	7.0275e+00	2e-01	8e-02	1e-15	6e-03
4:	7.0887e+00	7.0887e+00	7e-03	2e-03	4e-15	2e-04
5:	7.0909e+00	7.0909e+00	7e-05	2e-05	2e-15	2e-06
6:	7.0909e+00	7.0909e+00	7e-07	2e-07	2e-15	2e-08
7:	7.0909e+00	7.0909e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2222e+00	4.2216e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9783e+00	6.9782e+00	9e-01	3e-01	2e-15	2e-02
3:	7.2271e+00	7.2271e+00	1e-01	4e-02	5e-15	4e-03
4:	7.2489e+00	7.2489e+00	6e-02	2e-02	1e-14	1e-03
5:	7.2679e+00	7.2679e+00	9e-03	3e-03	4e-15	2e-04
6:	7.2696e+00	7.2696e+00	1e-04	3e-05	1e-14	2e-06
7:	7.2696e+00	7.2696e+00	1e-06	3e-07	8e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0885e+00	3.0884e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8332e+00	5.8331e+00	1e+00	5e-01	1e-15	4e-02
3:	6.2712e+00	6.2712e+00	3e-01	8e-02	1e-15	7e-03
4:	6.3145e+00	6.3145e+00	6e-02	2e-02	8e-15	2e-03
5:	6.3284e+00	6.3284e+00	1e-02	3e-03	9e-15	2e-04
6:	6.3311e+00	6.3311e+00	3e-04	8e-05	1e-14	6e-06
7:	6.3311e+00	6.3311e+00	3e-06	8e-07	4e-15	6e-08
8:	6.3311e+00	6.3311e+00	3e-08	8e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4178e+00	3.4162e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7419e+00	5.7414e+00	1e+00	3e-01	2e-15	3e-02
3:	6.0465e+00	6.0464e+00	2e-01	7e-02	2e-15	5e-03
4:	6.0784e+00	6.0783e+00	5e-02	2e-02	6e-15	1e-03
5:	6.0917e+00	6.0917e+00	6e-03	2e-03	3e-15	1e-04

6:	6.0931e+00	6.0931e+00	7e-05	2e-05	3e-15	2e-06
7:	6.0931e+00	6.0931e+00	7e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8465e+00	4.8471e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7301e+00	6.7303e+00	2e+00	5e-01	2e-15	4e-02
3:	7.3037e+00	7.3037e+00	2e-01	6e-02	1e-15	5e-03
4:	7.3555e+00	7.3555e+00	9e-03	3e-03	2e-15	2e-04
5:	7.3569e+00	7.3569e+00	3e-03	9e-04	2e-13	7e-05
6:	7.3578e+00	7.3578e+00	7e-05	2e-05	5e-15	2e-06
7:	7.3578e+00	7.3578e+00	7e-07	2e-07	4e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7673e+00	2.7647e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6604e+00	4.6595e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9373e+00	4.9368e+00	3e-01	1e-01	5e-15	9e-03
4:	5.0710e+00	5.0709e+00	7e-02	2e-02	1e-15	2e-03
5:	5.0882e+00	5.0882e+00	1e-02	3e-03	1e-14	3e-04
6:	5.0916e+00	5.0916e+00	1e-04	4e-05	3e-15	3e-06
7:	5.0916e+00	5.0916e+00	1e-06	4e-07	2e-15	3e-08
8:	5.0916e+00	5.0916e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.1797e+00	3.1854e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1246e+00	5.1265e+00	2e+00	5e-01	1e-15	4e-02
3:	5.6125e+00	5.6132e+00	5e-01	1e-01	9e-16	1e-02
4:	5.6819e+00	5.6822e+00	1e-01	3e-02	3e-15	3e-03
5:	5.7050e+00	5.7051e+00	3e-02	1e-02	3e-15	7e-04
6:	5.7072e+00	5.7072e+00	2e-02	5e-03	4e-14	4e-04
7:	5.7119e+00	5.7119e+00	3e-04	9e-05	2e-15	7e-06
8:	5.7119e+00	5.7119e+00	3e-06	9e-07	1e-14	7e-08
9:	5.7119e+00	5.7119e+00	3e-08	9e-09	6e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2938e+00	3.2923e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1441e+00	5.1435e+00	1e+00	4e-01	1e-15	4e-02
3:	5.6329e+00	5.6327e+00	4e-01	1e-01	9e-16	9e-03
4:	5.6349e+00	5.6347e+00	3e-01	9e-02	4e-15	7e-03
5:	5.7025e+00	5.7024e+00	8e-02	2e-02	2e-15	2e-03
6:	5.7186e+00	5.7186e+00	1e-02	4e-03	3e-15	3e-04
7:	5.7218e+00	5.7218e+00	1e-03	4e-04	2e-15	3e-05
8:	5.7221e+00	5.7221e+00	1e-05	4e-06	4e-15	3e-07
9:	5.7221e+00	5.7221e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7157e+00	1.7124e+00	5e+00	2e+00	3e-16	2e-01
2:	3.3854e+00	3.3838e+00	1e+00	4e-01	2e-15	4e-02
3:	3.6495e+00	3.6490e+00	3e-01	8e-02	2e-15	8e-03
4:	3.7054e+00	3.7052e+00	6e-02	2e-02	4e-15	2e-03
5:	3.7213e+00	3.7213e+00	7e-03	2e-03	2e-15	2e-04
6:	3.7237e+00	3.7237e+00	2e-03	6e-04	1e-15	5e-05
7:	3.7242e+00	3.7242e+00	5e-05	2e-05	5e-15	1e-06
8:	3.7242e+00	3.7242e+00	5e-07	2e-07	2e-15	1e-08
9:	3.7242e+00	3.7242e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8495e+00	2.8521e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9639e+00	4.9649e+00	2e+00	6e-01	1e-15	4e-02
3:	5.3146e+00	5.3150e+00	4e-01	1e-01	1e-15	9e-03
4:	5.4145e+00	5.4146e+00	6e-02	2e-02	1e-15	2e-03
5:	5.4325e+00	5.4325e+00	4e-03	1e-03	5e-15	9e-05
6:	5.4334e+00	5.4334e+00	4e-05	1e-05	3e-15	9e-07
7:	5.4334e+00	5.4334e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6229e+00	2.6233e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8381e+00	4.8382e+00	1e+00	4e-01	2e-15	3e-02
3:	5.1034e+00	5.1034e+00	2e-01	7e-02	9e-16	6e-03
4:	5.1550e+00	5.1550e+00	6e-02	2e-02	3e-15	2e-03
5:	5.1683e+00	5.1683e+00	7e-03	2e-03	3e-15	2e-04
6:	5.1706e+00	5.1706e+00	9e-05	3e-05	1e-15	2e-06
7:	5.1706e+00	5.1706e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8374e+00	1.8356e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9270e+00	2.9266e+00	1e+00	3e-01	1e-15	3e-02
3:	3.2463e+00	3.2461e+00	2e-01	7e-02	1e-15	6e-03
4:	3.3392e+00	3.3392e+00	4e-02	1e-02	1e-15	1e-03
5:	3.3494e+00	3.3494e+00	8e-03	3e-03	4e-15	2e-04
6:	3.3514e+00	3.3514e+00	3e-04	8e-05	9e-15	6e-06
7:	3.3515e+00	3.3515e+00	3e-06	8e-07	4e-15	6e-08
8:	3.3515e+00	3.3515e+00	3e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.8293e+00	3.8264e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6212e+00	6.6200e+00	1e+00	4e-01	3e-15	4e-02
3:	6.9177e+00	6.9167e+00	5e-01	2e-01	5e-15	1e-02

4:	7.0692e+00	7.0690e+00	1e-01	4e-02	4e-15	3e-03
5:	7.0984e+00	7.0984e+00	2e-02	7e-03	6e-15	6e-04
6:	7.1066e+00	7.1066e+00	5e-04	2e-04	6e-15	1e-05
7:	7.1068e+00	7.1068e+00	5e-06	2e-06	3e-15	1e-07
8:	7.1068e+00	7.1068e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0391e+00	3.0370e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6308e+00	4.6298e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9791e+00	4.9785e+00	6e-01	2e-01	2e-15	2e-02
4:	5.1384e+00	5.1383e+00	1e-01	5e-02	1e-15	4e-03
5:	5.1724e+00	5.1723e+00	2e-02	7e-03	3e-15	6e-04
6:	5.1792e+00	5.1792e+00	3e-04	1e-04	7e-16	8e-06
7:	5.1793e+00	5.1793e+00	3e-06	1e-06	9e-16	8e-08
8:	5.1793e+00	5.1793e+00	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0720e+00	3.0710e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9456e+00	4.9453e+00	1e+00	4e-01	3e-15	3e-02
3:	5.3776e+00	5.3774e+00	3e-01	1e-01	1e-15	8e-03
4:	5.4363e+00	5.4363e+00	9e-02	3e-02	5e-15	2e-03
5:	5.4645e+00	5.4645e+00	3e-03	9e-04	7e-16	7e-05
6:	5.4652e+00	5.4652e+00	3e-05	9e-06	1e-15	7e-07
7:	5.4652e+00	5.4652e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8433e+00	1.8403e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6443e+00	3.6429e+00	1e+00	5e-01	2e-15	4e-02
3:	4.0174e+00	4.0170e+00	4e-01	1e-01	1e-15	1e-02
4:	4.1060e+00	4.1059e+00	1e-01	3e-02	3e-15	3e-03
5:	4.1232e+00	4.1232e+00	2e-02	6e-03	1e-14	5e-04
6:	4.1282e+00	4.1282e+00	2e-04	7e-05	2e-15	6e-06
7:	4.1283e+00	4.1283e+00	2e-06	7e-07	2e-15	6e-08
8:	4.1283e+00	4.1283e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3276e+00	3.3277e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4931e+00	5.4931e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7856e+00	5.7856e+00	4e-01	1e-01	1e-15	1e-02
4:	5.8900e+00	5.8900e+00	6e-02	2e-02	2e-15	1e-03
5:	5.9060e+00	5.9060e+00	3e-03	1e-03	2e-15	8e-05
6:	5.9067e+00	5.9067e+00	9e-05	3e-05	5e-14	2e-06
7:	5.9067e+00	5.9067e+00	9e-07	3e-07	2e-14	2e-08
8:	5.9067e+00	5.9067e+00	9e-09	3e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4253e+00	2.4220e+00	5e+00	2e+00	2e-16	2e-01
2:	4.7668e+00	4.7652e+00	1e+00	4e-01	2e-15	4e-02
3:	5.0349e+00	5.0344e+00	2e-01	8e-02	2e-15	7e-03
4:	5.0872e+00	5.0871e+00	5e-02	2e-02	2e-15	1e-03
5:	5.0981e+00	5.0981e+00	7e-03	2e-03	3e-15	2e-04
6:	5.0994e+00	5.0994e+00	8e-05	2e-05	6e-15	2e-06
7:	5.0994e+00	5.0994e+00	8e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4591e+00	2.4617e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2098e+00	4.2107e+00	2e+00	5e-01	1e-15	4e-02
3:	4.5978e+00	4.5982e+00	4e-01	1e-01	1e-15	1e-02
4:	4.6674e+00	4.6676e+00	1e-01	4e-02	2e-15	3e-03
5:	4.6973e+00	4.6974e+00	4e-02	1e-02	2e-15	1e-03
6:	4.7037e+00	4.7037e+00	1e-02	4e-03	5e-15	3e-04
7:	4.7070e+00	4.7070e+00	3e-04	8e-05	2e-15	6e-06
8:	4.7071e+00	4.7071e+00	3e-06	8e-07	1e-15	6e-08
9:	4.7071e+00	4.7071e+00	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4089e+00	1.4060e+00	5e+00	1e+00	2e-16	2e-01
2:	3.0990e+00	3.0974e+00	9e-01	3e-01	1e-15	3e-02
3:	3.3418e+00	3.3412e+00	2e-01	7e-02	1e-15	7e-03
4:	3.3694e+00	3.3691e+00	6e-02	2e-02	4e-15	2e-03
5:	3.3835e+00	3.3834e+00	2e-02	5e-03	2e-15	4e-04
6:	3.3868e+00	3.3868e+00	2e-04	6e-05	2e-15	5e-06
7:	3.3869e+00	3.3869e+00	2e-06	6e-07	1e-15	5e-08
8:	3.3869e+00	3.3869e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6449e+00	1.6417e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9519e+00	3.9506e+00	1e+00	3e-01	2e-15	3e-02
3:	4.1004e+00	4.0996e+00	2e-01	8e-02	1e-15	6e-03
4:	4.1526e+00	4.1525e+00	2e-02	6e-03	1e-15	5e-04
5:	4.1575e+00	4.1575e+00	2e-04	6e-05	1e-15	5e-06
6:	4.1575e+00	4.1575e+00	2e-06	6e-07	8e-16	5e-08
7:	4.1575e+00	4.1575e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1278e+00	3.1266e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8497e+00	4.8491e+00	1e+00	4e-01	2e-15	3e-02

3:	5.1813e+00	5.1812e+00	2e-01	7e-02	2e-15	5e-03
4:	5.2304e+00	5.2303e+00	4e-02	1e-02	2e-15	1e-03
5:	5.2457e+00	5.2457e+00	1e-03	3e-04	7e-16	3e-05
6:	5.2461e+00	5.2461e+00	1e-05	3e-06	7e-16	3e-07
7:	5.2461e+00	5.2461e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1020e+00	3.0999e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4946e+00	4.4934e+00	2e+00	6e-01	2e-15	5e-02
3:	5.0327e+00	5.0324e+00	4e-01	1e-01	1e-15	1e-02
4:	5.1625e+00	5.1624e+00	6e-02	2e-02	3e-15	2e-03
5:	5.1826e+00	5.1826e+00	9e-04	3e-04	1e-15	2e-05
6:	5.1829e+00	5.1829e+00	9e-06	3e-06	7e-16	2e-07
7:	5.1829e+00	5.1829e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7834e+00	2.7814e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5309e+00	4.5300e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9543e+00	4.9540e+00	4e-01	1e-01	2e-15	1e-02
4:	5.0630e+00	5.0630e+00	9e-02	3e-02	1e-15	2e-03
5:	5.0863e+00	5.0863e+00	2e-02	5e-03	2e-15	4e-04
6:	5.0908e+00	5.0908e+00	6e-04	2e-04	3e-15	1e-05
7:	5.0909e+00	5.0909e+00	6e-06	2e-06	9e-16	1e-07
8:	5.0909e+00	5.0909e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1023e+00	3.1006e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1559e+00	5.1553e+00	1e+00	4e-01	1e-15	3e-02
3:	5.5078e+00	5.5076e+00	4e-01	1e-01	1e-15	1e-02
4:	5.5506e+00	5.5505e+00	1e-01	4e-02	7e-15	3e-03
5:	5.5804e+00	5.5804e+00	2e-02	5e-03	1e-15	4e-04
6:	5.5854e+00	5.5854e+00	2e-03	7e-04	2e-15	6e-05
7:	5.5860e+00	5.5860e+00	3e-05	1e-05	9e-15	8e-07
8:	5.5860e+00	5.5860e+00	3e-07	1e-07	6e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8560e+00	1.8533e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8083e+00	3.8073e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9397e+00	3.9390e+00	3e-01	1e-01	1e-15	8e-03
4:	4.0225e+00	4.0223e+00	8e-02	2e-02	6e-16	2e-03
5:	4.0397e+00	4.0397e+00	9e-03	3e-03	2e-15	2e-04
6:	4.0424e+00	4.0424e+00	1e-04	4e-05	3e-16	3e-06
7:	4.0424e+00	4.0424e+00	1e-06	4e-07	4e-16	3e-08
8:	4.0424e+00	4.0424e+00	1e-08	4e-09	3e-16	3e-10



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8286e+00	2.8270e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8775e+00	4.8770e+00	1e+00	3e-01	2e-15	3e-02
3:	5.1569e+00	5.1568e+00	2e-01	5e-02	1e-15	4e-03
4:	5.1997e+00	5.1996e+00	1e-02	3e-03	4e-15	3e-04
5:	5.2035e+00	5.2035e+00	1e-04	3e-05	2e-15	3e-06
6:	5.2035e+00	5.2035e+00	1e-06	3e-07	2e-15	3e-08
7:	5.2035e+00	5.2035e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2425e+00	4.2429e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1469e+00	6.1470e+00	2e+00	5e-01	2e-15	4e-02
3:	6.4910e+00	6.4910e+00	3e-01	9e-02	1e-15	7e-03
4:	6.6115e+00	6.6115e+00	5e-02	1e-02	8e-16	1e-03
5:	6.6224e+00	6.6224e+00	5e-03	2e-03	5e-15	1e-04
6:	6.6239e+00	6.6239e+00	5e-05	2e-05	1e-15	1e-06
7:	6.6239e+00	6.6239e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1210e+00	2.1181e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3964e+00	3.3956e+00	1e+00	3e-01	2e-15	3e-02
3:	3.7689e+00	3.7685e+00	4e-01	1e-01	1e-15	1e-02
4:	3.8581e+00	3.8579e+00	9e-02	3e-02	4e-15	2e-03
5:	3.8804e+00	3.8804e+00	5e-03	2e-03	2e-15	1e-04
6:	3.8819e+00	3.8819e+00	3e-04	1e-04	7e-16	8e-06
7:	3.8819e+00	3.8819e+00	3e-06	1e-06	6e-16	8e-08
8:	3.8819e+00	3.8819e+00	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4680e+00	2.4650e+00	5e+00	2e+00	3e-16	2e-01
2:	4.2660e+00	4.2648e+00	1e+00	4e-01	2e-15	4e-02
3:	4.6202e+00	4.6197e+00	4e-01	1e-01	2e-15	1e-02
4:	4.7081e+00	4.7079e+00	1e-01	4e-02	5e-15	3e-03
5:	4.7458e+00	4.7458e+00	4e-02	1e-02	3e-15	1e-03
6:	4.7562e+00	4.7562e+00	2e-03	5e-04	5e-15	4e-05
7:	4.7567e+00	4.7567e+00	2e-05	5e-06	2e-15	4e-07
8:	4.7567e+00	4.7567e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4551e+00	4.4567e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3522e+00	7.3528e+00	2e+00	5e-01	2e-15	4e-02
3:	7.6932e+00	7.6934e+00	3e-01	1e-01	2e-15	8e-03

4:	7.7640e+00	7.7640e+00	3e-02	8e-03	2e-15	7e-04
5:	7.7719e+00	7.7719e+00	3e-04	1e-04	2e-15	7e-06
6:	7.7720e+00	7.7720e+00	3e-06	1e-06	2e-15	7e-08
7:	7.7720e+00	7.7720e+00	3e-08	1e-08	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6401e+00	2.6374e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6900e+00	4.6890e+00	1e+00	4e-01	2e-15	4e-02
3:	5.1349e+00	5.1347e+00	3e-01	9e-02	2e-15	8e-03
4:	5.2246e+00	5.2245e+00	5e-02	2e-02	2e-15	1e-03
5:	5.2319e+00	5.2318e+00	1e-02	4e-03	3e-14	3e-04
6:	5.2351e+00	5.2351e+00	2e-04	6e-05	1e-15	5e-06
7:	5.2351e+00	5.2351e+00	2e-06	6e-07	9e-15	5e-08
8:	5.2351e+00	5.2351e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6581e+00	3.6628e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1102e+00	6.1122e+00	2e+00	7e-01	1e-15	5e-02
3:	6.3382e+00	6.3390e+00	4e-01	1e-01	2e-15	1e-02
4:	6.4670e+00	6.4672e+00	6e-02	2e-02	5e-16	2e-03
5:	6.4849e+00	6.4849e+00	8e-03	3e-03	2e-15	2e-04
6:	6.4877e+00	6.4877e+00	1e-03	3e-04	8e-16	2e-05
7:	6.4879e+00	6.4879e+00	1e-05	4e-06	2e-15	3e-07
8:	6.4879e+00	6.4879e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7407e+00	2.7383e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9529e+00	4.9520e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2988e+00	5.2986e+00	3e-01	8e-02	2e-15	7e-03
4:	5.3583e+00	5.3582e+00	7e-02	2e-02	3e-15	2e-03
5:	5.3725e+00	5.3725e+00	1e-02	4e-03	4e-15	3e-04
6:	5.3756e+00	5.3756e+00	3e-04	9e-05	8e-15	7e-06
7:	5.3757e+00	5.3757e+00	3e-06	9e-07	7e-15	7e-08
8:	5.3757e+00	5.3757e+00	3e-08	9e-09	5e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7154e+00	3.7234e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1416e+00	6.1442e+00	2e+00	6e-01	2e-15	4e-02
3:	6.5779e+00	6.5785e+00	3e-01	9e-02	2e-15	7e-03
4:	6.6452e+00	6.6453e+00	4e-02	1e-02	1e-15	8e-04
5:	6.6527e+00	6.6527e+00	4e-04	1e-04	2e-15	9e-06
6:	6.6527e+00	6.6527e+00	4e-06	1e-06	1e-15	9e-08
7:	6.6527e+00	6.6527e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5254e+00	2.5251e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4316e+00	4.4315e+00	2e+00	5e-01	8e-16	4e-02
3:	4.8408e+00	4.8408e+00	7e-01	2e-01	1e-15	2e-02
4:	4.9643e+00	4.9643e+00	2e-01	6e-02	2e-15	5e-03
5:	5.0098e+00	5.0098e+00	3e-02	1e-02	7e-16	8e-04
6:	5.0173e+00	5.0173e+00	4e-04	1e-04	2e-15	1e-05
7:	5.0174e+00	5.0174e+00	4e-06	1e-06	2e-15	1e-07
8:	5.0174e+00	5.0174e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3853e+00	3.3857e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4196e+00	5.4197e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9156e+00	5.9156e+00	3e-01	1e-01	2e-15	8e-03
4:	6.0027e+00	6.0027e+00	6e-02	2e-02	8e-15	1e-03
5:	6.0220e+00	6.0220e+00	4e-03	1e-03	9e-15	1e-04
6:	6.0228e+00	6.0228e+00	7e-04	2e-04	2e-13	2e-05
7:	6.0230e+00	6.0230e+00	8e-06	2e-06	1e-14	2e-07
8:	6.0230e+00	6.0230e+00	8e-08	2e-08	4e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4906e+00	2.4877e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3312e+00	4.3300e+00	1e+00	4e-01	3e-15	3e-02
3:	4.5182e+00	4.5178e+00	3e-01	8e-02	3e-15	7e-03
4:	4.5873e+00	4.5872e+00	4e-02	1e-02	9e-16	1e-03
5:	4.5971e+00	4.5971e+00	8e-03	3e-03	7e-16	2e-04
6:	4.5996e+00	4.5996e+00	2e-03	5e-04	1e-15	4e-05
7:	4.5999e+00	4.5999e+00	3e-05	9e-06	5e-15	8e-07
8:	4.5999e+00	4.5999e+00	3e-07	9e-08	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9138e+00	3.9156e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1643e+00	6.1649e+00	2e+00	5e-01	2e-15	4e-02
3:	6.6596e+00	6.6598e+00	3e-01	1e-01	2e-15	8e-03
4:	6.7131e+00	6.7131e+00	4e-02	1e-02	3e-15	9e-04
5:	6.7192e+00	6.7192e+00	2e-03	5e-04	3e-15	4e-05
6:	6.7196e+00	6.7196e+00	2e-05	5e-06	1e-15	4e-07
7:	6.7196e+00	6.7196e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2088e+00	5.2093e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3239e+00	8.3240e+00	2e+00	5e-01	2e-15	4e-02
3:	8.7731e+00	8.7731e+00	4e-01	1e-01	3e-15	9e-03

4:	8.8460e+00	8.8460e+00	5e-02	2e-02	4e-15	1e-03
5:	8.8613e+00	8.8613e+00	3e-03	8e-04	5e-15	6e-05
6:	8.8619e+00	8.8619e+00	3e-05	8e-06	3e-15	6e-07
7:	8.8619e+00	8.8619e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6329e+00	3.6338e+00	7e+00	2e+00	3e-16	2e-01
2:	5.2088e+00	5.2091e+00	1e+00	4e-01	3e-15	3e-02
3:	5.6664e+00	5.6664e+00	3e-01	8e-02	9e-16	6e-03
4:	5.7421e+00	5.7421e+00	4e-02	1e-02	7e-16	1e-03
5:	5.7540e+00	5.7540e+00	7e-04	2e-04	2e-15	2e-05
6:	5.7542e+00	5.7542e+00	7e-06	2e-06	9e-16	2e-07
7:	5.7542e+00	5.7542e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3123e+00	3.3114e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8868e+00	5.8865e+00	1e+00	4e-01	2e-15	3e-02
3:	6.0200e+00	6.0199e+00	3e-01	9e-02	5e-15	7e-03
4:	6.1076e+00	6.1076e+00	9e-02	3e-02	2e-15	2e-03
5:	6.1290e+00	6.1290e+00	5e-03	2e-03	1e-15	1e-04
6:	6.1301e+00	6.1301e+00	5e-05	2e-05	3e-15	1e-06
7:	6.1301e+00	6.1301e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0539e+00	4.0553e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8061e+00	5.8069e+00	2e+00	7e-01	1e-15	6e-02
3:	6.3374e+00	6.3376e+00	6e-01	2e-01	3e-15	1e-02
4:	6.4749e+00	6.4749e+00	2e-01	5e-02	3e-15	4e-03
5:	6.5292e+00	6.5292e+00	8e-03	2e-03	1e-15	2e-04
6:	6.5316e+00	6.5316e+00	8e-05	2e-05	1e-15	2e-06
7:	6.5316e+00	6.5316e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7862e+00	3.7849e+00	6e+00	2e+00	2e-16	1e-01
2:	5.6114e+00	5.6108e+00	1e+00	5e-01	2e-15	4e-02
3:	6.1205e+00	6.1203e+00	4e-01	1e-01	8e-16	9e-03
4:	6.1960e+00	6.1960e+00	9e-02	3e-02	2e-15	2e-03
5:	6.2165e+00	6.2165e+00	3e-03	9e-04	5e-15	8e-05
6:	6.2173e+00	6.2173e+00	3e-05	9e-06	1e-15	8e-07
7:	6.2173e+00	6.2173e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7179e+00	2.7190e+00	7e+00	2e+00	3e-16	2e-01

2:	4.6608e+00	4.6614e+00	2e+00	7e-01	2e-15	6e-02
3:	4.9780e+00	4.9783e+00	6e-01	2e-01	2e-15	1e-02
4:	5.1499e+00	5.1500e+00	1e-01	3e-02	6e-16	3e-03
5:	5.1746e+00	5.1746e+00	1e-02	3e-03	2e-15	2e-04
6:	5.1770e+00	5.1770e+00	1e-04	4e-05	2e-15	3e-06
7:	5.1770e+00	5.1770e+00	1e-06	4e-07	2e-15	3e-08
8:	5.1770e+00	5.1770e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7956e+00	2.7954e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8128e+00	4.8127e+00	2e+00	5e-01	9e-16	4e-02
3:	5.2132e+00	5.2132e+00	3e-01	8e-02	1e-15	6e-03
4:	5.2981e+00	5.2981e+00	5e-02	2e-02	3e-15	1e-03
5:	5.3034e+00	5.3034e+00	9e-03	3e-03	8e-14	2e-04
6:	5.3056e+00	5.3056e+00	1e-03	4e-04	1e-14	3e-05
7:	5.3060e+00	5.3060e+00	4e-05	1e-05	7e-16	9e-07
8:	5.3060e+00	5.3060e+00	4e-07	1e-07	6e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2241e+00	2.2209e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0146e+00	4.0132e+00	1e+00	3e-01	2e-15	3e-02
3:	4.2750e+00	4.2746e+00	3e-01	8e-02	2e-15	7e-03
4:	4.3491e+00	4.3490e+00	5e-02	2e-02	2e-15	2e-03
5:	4.3604e+00	4.3603e+00	8e-03	2e-03	6e-15	2e-04
6:	4.3628e+00	4.3628e+00	1e-04	4e-05	1e-15	3e-06
7:	4.3628e+00	4.3628e+00	1e-06	4e-07	1e-15	3e-08
8:	4.3628e+00	4.3628e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7232e+00	2.7220e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8577e+00	4.8572e+00	1e+00	4e-01	9e-16	3e-02
3:	5.1521e+00	5.1520e+00	2e-01	6e-02	1e-15	5e-03
4:	5.1841e+00	5.1841e+00	3e-02	1e-02	5e-15	8e-04
5:	5.1927e+00	5.1927e+00	2e-03	6e-04	6e-16	5e-05
6:	5.1931e+00	5.1931e+00	2e-05	6e-06	1e-15	5e-07
7:	5.1931e+00	5.1931e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1664e+00	3.1694e+00	6e+00	2e+00	3e-16	1e-01
2:	4.8990e+00	4.9002e+00	2e+00	6e-01	2e-15	4e-02
3:	5.4446e+00	5.4450e+00	6e-01	2e-01	1e-15	1e-02
4:	5.6107e+00	5.6108e+00	1e-01	3e-02	3e-15	3e-03
5:	5.6328e+00	5.6328e+00	9e-03	3e-03	3e-15	2e-04
6:	5.6353e+00	5.6353e+00	1e-04	3e-05	3e-15	2e-06

7: 5.6353e+00 5.6353e+00 1e-06 3e-07 3e-15 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5881e+00	3.5878e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6839e+00	5.6839e+00	1e+00	4e-01	1e-15	3e-02
3:	6.1843e+00	6.1842e+00	4e-01	1e-01	1e-15	1e-02
4:	6.2852e+00	6.2852e+00	1e-01	3e-02	2e-15	3e-03
5:	6.3114e+00	6.3114e+00	1e-02	4e-03	4e-15	3e-04
6:	6.3153e+00	6.3153e+00	1e-04	5e-05	2e-15	4e-06
7:	6.3153e+00	6.3153e+00	1e-06	5e-07	2e-15	4e-08
8:	6.3153e+00	6.3153e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3843e+00	4.3876e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6622e+00	6.6634e+00	2e+00	7e-01	2e-15	5e-02
3:	7.1686e+00	7.1691e+00	6e-01	2e-01	4e-15	1e-02
4:	7.2844e+00	7.2846e+00	1e-01	3e-02	7e-15	3e-03
5:	7.3127e+00	7.3128e+00	3e-02	1e-02	2e-15	8e-04
6:	7.3186e+00	7.3187e+00	1e-02	4e-03	1e-15	3e-04
7:	7.3210e+00	7.3210e+00	3e-04	1e-04	3e-15	9e-06
8:	7.3211e+00	7.3211e+00	3e-06	1e-06	1e-15	9e-08
9:	7.3211e+00	7.3211e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0527e+00	3.0525e+00	6e+00	2e+00	3e-16	1e-01
2:	4.8685e+00	4.8684e+00	1e+00	5e-01	2e-15	4e-02
3:	5.2502e+00	5.2501e+00	4e-01	1e-01	2e-15	1e-02
4:	5.3238e+00	5.3238e+00	9e-02	3e-02	2e-15	2e-03
5:	5.3511e+00	5.3511e+00	3e-02	1e-02	9e-16	8e-04
6:	5.3576e+00	5.3576e+00	4e-03	1e-03	3e-15	1e-04
7:	5.3588e+00	5.3588e+00	5e-05	2e-05	6e-16	1e-06
8:	5.3588e+00	5.3588e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2168e+00	2.2161e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9707e+00	3.9705e+00	1e+00	4e-01	1e-15	3e-02
3:	4.3634e+00	4.3633e+00	3e-01	1e-01	2e-15	8e-03
4:	4.4314e+00	4.4314e+00	6e-02	2e-02	3e-15	1e-03
5:	4.4482e+00	4.4482e+00	6e-03	2e-03	2e-15	2e-04
6:	4.4498e+00	4.4498e+00	6e-05	2e-05	2e-15	2e-06
7:	4.4499e+00	4.4499e+00	6e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	3.8392e+00	3.8456e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8764e+00	5.8789e+00	2e+00	7e-01	1e-15	5e-02
3:	6.2100e+00	6.2107e+00	4e-01	1e-01	2e-15	9e-03
4:	6.3430e+00	6.3431e+00	6e-02	2e-02	1e-15	1e-03
5:	6.3576e+00	6.3576e+00	7e-03	2e-03	4e-15	2e-04
6:	6.3594e+00	6.3594e+00	1e-04	3e-05	3e-15	2e-06
7:	6.3594e+00	6.3594e+00	1e-06	3e-07	3e-15	2e-08
8:	6.3594e+00	6.3594e+00	1e-08	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0956e+00	3.0953e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3543e+00	5.3542e+00	2e+00	6e-01	1e-15	4e-02
3:	5.7690e+00	5.7689e+00	4e-01	1e-01	1e-15	1e-02
4:	5.8692e+00	5.8692e+00	5e-02	2e-02	2e-15	1e-03
5:	5.8842e+00	5.8842e+00	1e-03	4e-04	5e-15	3e-05
6:	5.8846e+00	5.8846e+00	1e-05	4e-06	2e-15	3e-07
7:	5.8846e+00	5.8846e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7613e+00	2.7585e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4687e+00	4.4676e+00	1e+00	3e-01	1e-15	3e-02
3:	4.8074e+00	4.8070e+00	3e-01	8e-02	9e-16	7e-03
4:	4.8978e+00	4.8977e+00	4e-02	1e-02	2e-15	9e-04
5:	4.9042e+00	4.9042e+00	3e-03	9e-04	2e-15	8e-05
6:	4.9048e+00	4.9048e+00	6e-04	2e-04	6e-16	2e-05
7:	4.9049e+00	4.9049e+00	7e-06	2e-06	1e-15	2e-07
8:	4.9049e+00	4.9049e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4171e+00	2.4153e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6342e+00	4.6334e+00	2e+00	6e-01	1e-15	5e-02
3:	5.0106e+00	5.0102e+00	6e-01	2e-01	2e-15	2e-02
4:	5.0905e+00	5.0904e+00	1e-01	4e-02	4e-15	3e-03
5:	5.1237e+00	5.1237e+00	3e-02	1e-02	1e-15	8e-04
6:	5.1307e+00	5.1307e+00	2e-03	6e-04	9e-16	5e-05
7:	5.1312e+00	5.1312e+00	3e-05	1e-05	2e-15	9e-07
8:	5.1312e+00	5.1312e+00	3e-07	1e-07	5e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.3115e+00	2.3178e+00	7e+00	2e+00	3e-16	2e-01
2:	3.5203e+00	3.5219e+00	1e+00	4e-01	3e-16	3e-02
3:	3.8776e+00	3.8781e+00	3e-01	1e-01	8e-16	7e-03
4:	3.9471e+00	3.9472e+00	6e-02	2e-02	2e-15	1e-03
5:	3.9653e+00	3.9653e+00	2e-03	8e-04	1e-15	6e-05

6:	3.9660e+00	3.9660e+00	2e-05	8e-06	3e-15	6e-07
7:	3.9660e+00	3.9660e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0180e+00	3.0196e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9168e+00	4.9175e+00	2e+00	6e-01	2e-15	4e-02
3:	5.2332e+00	5.2334e+00	5e-01	2e-01	1e-15	1e-02
4:	5.3932e+00	5.3933e+00	2e-01	5e-02	1e-15	4e-03
5:	5.4224e+00	5.4224e+00	3e-02	1e-02	2e-15	8e-04
6:	5.4290e+00	5.4290e+00	6e-03	2e-03	1e-14	2e-04
7:	5.4301e+00	5.4301e+00	6e-04	2e-04	4e-14	2e-05
8:	5.4303e+00	5.4303e+00	6e-06	2e-06	6e-15	2e-07
9:	5.4303e+00	5.4303e+00	6e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7849e+00	2.7834e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9786e+00	4.9782e+00	1e+00	3e-01	2e-15	3e-02
3:	5.3085e+00	5.3083e+00	3e-01	9e-02	8e-16	7e-03
4:	5.3669e+00	5.3668e+00	5e-02	1e-02	2e-15	1e-03
5:	5.3733e+00	5.3733e+00	7e-03	2e-03	2e-14	2e-04
6:	5.3749e+00	5.3749e+00	1e-04	4e-05	1e-15	3e-06
7:	5.3749e+00	5.3749e+00	1e-06	4e-07	4e-15	3e-08
8:	5.3749e+00	5.3749e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3589e+00	5.3583e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9918e+00	7.9916e+00	1e+00	5e-01	2e-15	4e-02
3:	8.4394e+00	8.4394e+00	4e-01	1e-01	2e-15	1e-02
4:	8.5056e+00	8.5055e+00	9e-02	3e-02	1e-14	2e-03
5:	8.5324e+00	8.5324e+00	4e-03	1e-03	1e-15	9e-05
6:	8.5334e+00	8.5334e+00	4e-05	1e-05	1e-15	9e-07
7:	8.5334e+00	8.5334e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0446e+00	4.0427e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0749e+00	6.0740e+00	2e+00	7e-01	1e-15	6e-02
3:	6.5520e+00	6.5517e+00	4e-01	1e-01	4e-15	1e-02
4:	6.6921e+00	6.6920e+00	6e-02	2e-02	8e-16	2e-03
5:	6.7070e+00	6.7070e+00	9e-03	3e-03	7e-15	2e-04
6:	6.7097e+00	6.7097e+00	9e-05	3e-05	2e-15	2e-06
7:	6.7098e+00	6.7098e+00	9e-07	3e-07	2e-15	2e-08
8:	6.7098e+00	6.7098e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0185e+00	3.0188e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8833e+00	4.8834e+00	1e+00	4e-01	1e-15	3e-02
3:	5.0803e+00	5.0804e+00	4e-01	1e-01	2e-15	9e-03
4:	5.1858e+00	5.1858e+00	5e-02	1e-02	5e-16	1e-03
5:	5.1956e+00	5.1956e+00	1e-02	3e-03	1e-15	2e-04
6:	5.1975e+00	5.1975e+00	1e-04	5e-05	2e-15	4e-06
7:	5.1975e+00	5.1975e+00	1e-06	5e-07	2e-15	4e-08
8:	5.1975e+00	5.1975e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0624e+00	2.0606e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9946e+00	3.9941e+00	1e+00	3e-01	1e-15	3e-02
3:	4.2738e+00	4.2737e+00	2e-01	7e-02	6e-16	6e-03
4:	4.3405e+00	4.3405e+00	4e-02	1e-02	1e-15	1e-03
5:	4.3490e+00	4.3490e+00	4e-03	1e-03	4e-15	9e-05
6:	4.3499e+00	4.3499e+00	4e-05	1e-05	9e-16	9e-07
7:	4.3499e+00	4.3499e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6717e+00	3.6729e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4688e+00	6.4691e+00	1e+00	4e-01	1e-15	3e-02
3:	6.8614e+00	6.8614e+00	2e-01	5e-02	1e-15	4e-03
4:	6.8878e+00	6.8878e+00	4e-02	1e-02	2e-14	9e-04
5:	6.8976e+00	6.8976e+00	4e-04	1e-04	5e-15	1e-05
6:	6.8978e+00	6.8978e+00	4e-06	1e-06	5e-15	1e-07
7:	6.8978e+00	6.8978e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7850e+00	2.7856e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5982e+00	4.5985e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9437e+00	4.9437e+00	2e-01	8e-02	7e-16	6e-03
4:	5.0158e+00	5.0158e+00	5e-02	2e-02	1e-15	1e-03
5:	5.0261e+00	5.0261e+00	1e-03	3e-04	2e-15	3e-05
6:	5.0264e+00	5.0264e+00	1e-05	3e-06	8e-16	3e-07
7:	5.0264e+00	5.0264e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0102e+00	1.0070e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3634e+00	2.3617e+00	1e+00	3e-01	7e-16	3e-02
3:	2.6120e+00	2.6116e+00	2e-01	5e-02	8e-16	5e-03
4:	2.6525e+00	2.6524e+00	3e-02	1e-02	2e-15	9e-04
5:	2.6580e+00	2.6580e+00	8e-04	2e-04	3e-15	2e-05
6:	2.6582e+00	2.6582e+00	8e-06	2e-06	3e-15	2e-07

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7: 2.6582e+00 2.6582e+00 8e-08 2e-08 2e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9598e+00 3.9605e+00 7e+00 2e+00 2e-16 2e-01
2: 6.3311e+00 6.3313e+00 1e+00 4e-01 1e-15 3e-02
3: 6.7815e+00 6.7815e+00 3e-01 1e-01 2e-15 8e-03
4: 6.8474e+00 6.8475e+00 6e-02 2e-02 7e-15 2e-03
5: 6.8674e+00 6.8674e+00 2e-03 6e-04 2e-15 5e-05
6: 6.8680e+00 6.8680e+00 2e-05 6e-06 2e-15 5e-07
7: 6.8680e+00 6.8680e+00 2e-07 6e-08 1e-15 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.9637e+00 2.9607e+00 6e+00 2e+00 2e-16 2e-01
2: 5.1952e+00 5.1939e+00 2e+00 5e-01 2e-15 4e-02
3: 5.6400e+00 5.6397e+00 3e-01 8e-02 4e-15 7e-03
4: 5.7329e+00 5.7328e+00 5e-02 2e-02 2e-15 1e-03
5: 5.7367e+00 5.7366e+00 3e-02 9e-03 3e-14 8e-04
6: 5.7439e+00 5.7439e+00 5e-03 1e-03 7e-15 1e-04
7: 5.7449e+00 5.7449e+00 7e-05 2e-05 2e-14 2e-06
8: 5.7449e+00 5.7449e+00 7e-07 2e-07 7e-15 2e-08
9: 5.7449e+00 5.7449e+00 7e-09 2e-09 1e-14 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8426e+00 3.8417e+00 6e+00 2e+00 2e-16 2e-01
2: 5.4045e+00 5.4042e+00 2e+00 6e-01 3e-15 4e-02
3: 5.9862e+00 5.9862e+00 3e-01 1e-01 3e-15 8e-03
4: 6.1065e+00 6.1065e+00 4e-02 1e-02 1e-15 1e-03
5: 6.1174e+00 6.1174e+00 1e-03 5e-04 5e-15 4e-05
6: 6.1179e+00 6.1179e+00 1e-05 5e-06 2e-15 4e-07
7: 6.1179e+00 6.1179e+00 1e-07 5e-08 2e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.5891e+00 2.5867e+00 6e+00 2e+00 2e-16 2e-01
2: 4.9976e+00 4.9965e+00 1e+00 5e-01 2e-15 4e-02
3: 5.2642e+00 5.2637e+00 5e-01 2e-01 2e-15 1e-02
4: 5.4176e+00 5.4176e+00 6e-02 2e-02 2e-15 1e-03
5: 5.4280e+00 5.4280e+00 5e-03 1e-03 6e-14 1e-04
6: 5.4289e+00 5.4289e+00 5e-04 2e-04 5e-14 1e-05
7: 5.4290e+00 5.4290e+00 5e-06 2e-06 2e-15 1e-07
8: 5.4290e+00 5.4290e+00 5e-08 2e-08 6e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.6592e-01 6.6277e-01 5e+00 2e+00 1e-16 2e-01

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2:	9.9696e-01	9.9663e-01	2e-01	6e-02	1e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	2e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1760e-01	4.1540e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9660e-01	9.9415e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9429e-01	9.9303e-01	1e-01	3e-02	8e-16	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3381e-01	4.3147e-01	4e+00	1e+00	3e-16	2e-01
2:	9.9690e-01	9.9431e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9740e-01	9.9676e-01	5e-02	2e-02	1e-15	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4156e-01	6.3828e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9638e-01	3e-01	1e-01	3e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	3e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1692e-01	6.1357e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9614e-01	5e-01	2e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	6e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5728e-01	6.5408e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9654e-01	2e-01	7e-02	5e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	4e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	2e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0943e-01	6.0607e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9606e-01	5e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0913e-01	5.0614e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9506e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9969e-01	9.9962e-01	2e-02	5e-03	2e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4868e-01	4.4620e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9687e-01	9.9446e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9782e-01	9.9732e-01	5e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9997e-01	5e-04	1e-04	2e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1224e-01	5.0924e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9509e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9971e-01	9.9965e-01	2e-02	5e-03	2e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	7e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0748e-01	5.0451e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9505e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9974e-01	9.9968e-01	2e-02	5e-03	6e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	6e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	5e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9493e-01	3.9297e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9655e-01	9.9393e-01	2e+00	5e-01	1e-15	6e-02

3:	9.9225e-01	9.9051e-01	1e-01	4e-02	1e-15	3e-03
4:	9.9992e-01	9.9991e-01	1e-03	4e-04	2e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2803e-01	4.2574e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9674e-01	9.9426e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9606e-01	9.9515e-01	8e-02	2e-02	1e-15	2e-03
4:	9.9996e-01	9.9995e-01	8e-04	2e-04	2e-16	2e-05
5:	1.0000e+00	1.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	8e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.9577e-01	3.9379e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9659e-01	9.9394e-01	2e+00	6e-01	8e-16	6e-02
3:	9.9285e-01	9.9120e-01	1e-01	4e-02	1e-15	3e-03
4:	9.9993e-01	9.9991e-01	1e-03	4e-04	5e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5447e-01	6.5125e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9651e-01	2e-01	7e-02	3e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	3e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3712e-01	6.3382e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9692e-01	9.9634e-01	3e-01	1e-01	8e-16	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	2e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4205e-01	4.3963e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9686e-01	9.9440e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9748e-01	9.9689e-01	5e-02	2e-02	1e-15	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5852e-01	4.5595e-01	5e+00	1e+00	3e-16	2e-01
2:	9.9685e-01	9.9456e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9806e-01	9.9763e-01	4e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	2e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4958e-01	4.4709e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9688e-01	9.9447e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9789e-01	9.9739e-01	4e-02	1e-02	4e-15	1e-03
4:	9.9998e-01	9.9997e-01	4e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1221e-01	6.0885e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9695e-01	9.9609e-01	5e-01	1e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5743e-01	5.5417e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9554e-01	9e-01	3e-01	9e-16	3e-02
3:	9.9990e-01	9.9988e-01	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2835e-01	5.2523e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9525e-01	1e+00	4e-01	3e-15	4e-02
3:	9.9980e-01	9.9976e-01	1e-02	4e-03	5e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	4e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5528e-01	6.5207e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9694e-01	9.9652e-01	2e-01	8e-02	2e-15	7e-03

3:	9.9997e-01	9.9997e-01	2e-03	8e-04	3e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	3e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.2741e-01	4.2513e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9677e-01	9.9425e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9624e-01	9.9536e-01	7e-02	2e-02	9e-16	2e-03
4:	9.9996e-01	9.9995e-01	7e-04	2e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5641e-01	4.5386e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9696e-01	9.9454e-01	2e+00	5e-01	4e-16	6e-02
3:	9.9847e-01	9.9811e-01	3e-02	1e-02	2e-15	8e-04
4:	9.9998e-01	9.9998e-01	3e-04	1e-04	3e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	2e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3284e-01	5.2970e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9696e-01	9.9530e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9982e-01	9.9978e-01	1e-02	4e-03	3e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	9e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8656e-01	6.8358e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9684e-01	2e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1024e-01	7.0754e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9700e-01	9.9688e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7259e-01	6.6949e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9698e-01	9.9669e-01	2e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4542e-01	4.4296e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9683e-01	9.9443e-01	2e+00	5e-01	1e-15	6e-02
3:	9.9745e-01	9.9686e-01	5e-02	2e-02	7e-16	1e-03
4:	9.9997e-01	9.9997e-01	5e-04	2e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	3.2726e-01	3.2593e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9571e-01	9.9326e-01	1e+00	4e-01	1e-15	5e-02
3:	9.6783e-01	9.6327e-01	3e-01	1e-01	3e-15	8e-03
4:	9.9969e-01	9.9963e-01	4e-03	1e-03	4e-16	1e-04
5:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	1.0000e+00	1.0000e+00	4e-07	1e-07	6e-16	1e-08
7:	1.0000e+00	1.0000e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9840e-01	4.9550e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9715e-01	9.9495e-01	1e+00	4e-01	3e-15	5e-02
3:	9.9972e-01	9.9966e-01	2e-02	5e-03	2e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	7e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1413e-01	6.1078e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9611e-01	5e-01	2e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	7e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	2e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.4686e-01	3.4536e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9600e-01	9.9345e-01	1e+00	5e-01	1e-15	6e-02
3:	9.7813e-01	9.7441e-01	3e-01	8e-02	5e-15	7e-03



4:	9.9979e-01	9.9974e-01	3e-03	9e-04	3e-16	7e-05
5:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	1.0000e+00	1.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9274e-01	4.8988e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9690e-01	9.9490e-01	1e+00	4e-01	2e-15	5e-02
3:	9.9915e-01	9.9897e-01	2e-02	8e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	2e-04	8e-05	5e-16	7e-06
5:	1.0000e+00	1.0000e+00	2e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	2e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9416e-01	5.9081e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9591e-01	6e-01	2e-01	9e-16	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0776e-01	7.0503e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9675e-01	9.9662e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0355e-01	6.0019e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9600e-01	6e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7140e-01	5.6810e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9712e-01	9.9568e-01	7e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	6e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6846e-01	4.6580e-01	5e+00	1e+00	2e-16	2e-01

2:	9.9696e-01	9.9466e-01	2e+00	5e-01	2e-15	5e-02
3:	9.9882e-01	9.9855e-01	3e-02	9e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	9e-05	5e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0808e-01	5.0510e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9505e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9968e-01	9.9961e-01	2e-02	5e-03	5e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	7e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2948e-01	6.2616e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9626e-01	4e-01	1e-01	5e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	6e-16	1e-08
6:	1.0000e+00	1.0000e+00	4e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6898e-01	4.6631e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9699e-01	9.9466e-01	2e+00	5e-01	7e-16	5e-02
3:	9.9895e-01	9.9871e-01	3e-02	8e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	3e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0273e-01	4.9979e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9696e-01	9.9500e-01	1e+00	4e-01	2e-15	5e-02
3:	9.9951e-01	9.9940e-01	2e-02	6e-03	3e-16	6e-04
4:	1.0000e+00	9.9999e-01	2e-04	6e-05	3e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	4e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0961e-01	5.0663e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9507e-01	1e+00	4e-01	3e-15	4e-02
3:	9.9969e-01	9.9963e-01	2e-02	5e-03	8e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	4e-16	5e-06

5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7551e-01	6.7244e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9672e-01	2e-01	6e-02	2e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	2e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	2e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	1e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0297e-01	5.9961e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9696e-01	9.9600e-01	6e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1860e-01	6.1525e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9615e-01	4e-01	1e-01	4e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	5e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7229e-01	5.6899e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9708e-01	9.9569e-01	8e-01	2e-01	3e-15	2e-02
3:	9.9996e-01	9.9995e-01	8e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2130e-01	6.1796e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9618e-01	4e-01	1e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.5978e-01	6.5709e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8908e+00	1.8891e+00	8e-01	3e-01	9e-16	3e-02
3:	1.9687e+00	1.9670e+00	3e-01	9e-02	2e-15	9e-03

4:	1.9982e+00	1.9981e+00	1e-02	4e-03	5e-15	3e-04
5:	2.0000e+00	2.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	2.0000e+00	2.0000e+00	1e-06	4e-07	6e-16	3e-08
7:	2.0000e+00	2.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2530e+00	1.2497e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9792e+00	1.9785e+00	5e-01	2e-01	3e-15	2e-02
3:	1.9998e+00	1.9998e+00	5e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	4e-16	2e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.9615e-01	5.9320e-01	5e+00	2e+00	2e-16	2e-01
2:	1.6345e+00	1.6328e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9600e+00	1.9596e+00	2e-01	7e-02	8e-16	7e-03
4:	1.9980e+00	1.9976e+00	9e-02	3e-02	5e-15	3e-03
5:	1.9986e+00	1.9985e+00	1e-02	3e-03	2e-14	3e-04
6:	2.0000e+00	2.0000e+00	1e-04	3e-05	5e-15	3e-06
7:	2.0000e+00	2.0000e+00	1e-06	3e-07	7e-15	3e-08
8:	2.0000e+00	2.0000e+00	1e-08	3e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.4275e-01	6.4017e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8140e+00	1.8118e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9890e+00	1.9881e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9706e+00	1.9690e+00	1e-01	4e-02	7e-15	4e-03
5:	1.9997e+00	1.9996e+00	3e-03	9e-04	9e-16	7e-05
6:	2.0000e+00	2.0000e+00	3e-05	9e-06	1e-15	7e-07
7:	2.0000e+00	2.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.7327e-01	9.7021e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9520e+00	1.9500e+00	1e+00	5e-01	2e-15	5e-02
3:	1.9901e+00	1.9896e+00	7e-02	2e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	7e-04	2e-04	5e-16	2e-05
5:	2.0000e+00	2.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3861e+00	1.3838e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9603e+00	1.9600e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9996e+00	1.9996e+00	6e-03	2e-03	3e-16	2e-04

4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1537e+00	1.1503e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9599e+00	1.9587e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9993e+00	1.9993e+00	1e-02	4e-03	3e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	4e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	8e-16	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2585e+00	1.2552e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9813e+00	1.9806e+00	6e-01	2e-01	4e-15	2e-02
3:	1.9998e+00	1.9998e+00	6e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8934e-01	9.8632e-01	5e+00	2e+00	1e-16	2e-01
2:	1.9777e+00	1.9757e+00	1e+00	5e-01	3e-15	5e-02
3:	1.9962e+00	1.9960e+00	4e-02	1e-02	2e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1352e+00	1.1319e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9196e+00	1.9181e+00	1e+00	5e-01	2e-15	4e-02
3:	1.9989e+00	1.9988e+00	2e-02	7e-03	2e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	9e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	1e-15	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2661e-01	8.2416e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9619e+00	1.9597e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9509e+00	1.9488e+00	2e-01	7e-02	5e-15	6e-03
4:	1.9995e+00	1.9995e+00	3e-03	8e-04	3e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	8e-06	4e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2319e+00	1.2291e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9332e+00	1.9324e+00	1e+00	4e-01	1e-15	3e-02
3:	1.9992e+00	1.9992e+00	2e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	4e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	4e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3009e+00	1.2978e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9719e+00	1.9714e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1875e+00	1.1857e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9135e+00	1.9128e+00	2e+00	6e-01	7e-16	5e-02
3:	1.9983e+00	1.9983e+00	3e-02	9e-03	8e-16	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	6e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	4e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1317e-01	9.1019e-01	5e+00	2e+00	1e-16	2e-01
2:	1.9320e+00	1.9298e+00	2e+00	5e-01	8e-16	5e-02
3:	1.9754e+00	1.9743e+00	1e-01	5e-02	2e-15	4e-03
4:	1.9998e+00	1.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	6e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0634e+00	1.0603e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9039e+00	1.9021e+00	2e+00	6e-01	2e-15	5e-02
3:	1.9949e+00	1.9947e+00	5e-02	2e-02	1e-15	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2343e+00	1.2309e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9804e+00	1.9797e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9998e+00	1.9998e+00	6e-03	2e-03	8e-16	2e-04

4:	2.0000e+00	2.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	9e-16	2e-08
6:	2.0000e+00	2.0000e+00	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.0291e-01	8.0009e-01	5e+00	1e+00	2e-16	2e-01
2:	1.7901e+00	1.7881e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9952e+00	1.9941e+00	6e-01	2e-01	8e-16	2e-02
4:	1.9933e+00	1.9927e+00	6e-02	2e-02	4e-15	2e-03
5:	1.9999e+00	1.9999e+00	6e-04	2e-04	8e-16	2e-05
6:	2.0000e+00	2.0000e+00	6e-06	2e-06	8e-16	2e-07
7:	2.0000e+00	2.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4887e+00	1.4869e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9930e+00	1.9929e+00	1e-01	4e-02	9e-16	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8474e-01	8.8142e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8746e+00	1.8722e+00	2e+00	6e-01	7e-16	6e-02
3:	1.9654e+00	1.9633e+00	3e-01	9e-02	2e-15	7e-03
4:	1.9996e+00	1.9996e+00	3e-03	1e-03	3e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.4502e-01	6.4188e-01	5e+00	2e+00	2e-16	2e-01
2:	1.4961e+00	1.4945e+00	1e+00	4e-01	1e-15	4e-02
3:	1.8669e+00	1.8663e+00	3e-01	1e-01	3e-15	1e-02
4:	1.9218e+00	1.9216e+00	7e-02	2e-02	5e-15	2e-03
5:	1.9415e+00	1.9415e+00	1e-02	4e-03	2e-15	4e-04
6:	1.9439e+00	1.9439e+00	2e-03	5e-04	3e-15	5e-05
7:	1.9442e+00	1.9442e+00	2e-05	6e-06	7e-15	6e-07
8:	1.9442e+00	1.9442e+00	2e-07	6e-08	6e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.6202e-01	9.5869e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9107e+00	1.9083e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9881e+00	1.9875e+00	9e-02	3e-02	1e-15	2e-03
4:	1.9999e+00	1.9999e+00	9e-04	3e-04	5e-16	2e-05

5:	2.0000e+00	2.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8920e-01	8.8583e-01	5e+00	2e+00	3e-16	2e-01
2:	1.8692e+00	1.8671e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9550e+00	1.9528e+00	4e-01	1e-01	1e-15	9e-03
4:	1.9995e+00	1.9995e+00	4e-03	1e-03	5e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2389e+00	1.2363e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9114e+00	1.9106e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9980e+00	1.9979e+00	3e-02	1e-02	2e-15	9e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	5e-16	9e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	4e-16	9e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.1596e-01	9.1310e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9547e+00	1.9526e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9826e+00	1.9817e+00	1e-01	3e-02	5e-15	3e-03
4:	1.9998e+00	1.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.3576e-01	6.3340e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9056e+00	1.9034e+00	1e+00	3e-01	7e-16	4e-02
3:	1.9796e+00	1.9776e+00	2e-01	5e-02	4e-15	4e-03
4:	1.9998e+00	1.9998e+00	2e-03	7e-04	6e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	1e-15	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1160e+00	1.1127e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9010e+00	1.8995e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9979e+00	1.9978e+00	3e-02	1e-02	1e-15	9e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	5e-16	9e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	4e-16	9e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	5e-16	9e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.2215e-01	6.2003e-01	4e+00	1e+00	2e-16	2e-01
2:	1.6897e+00	1.6878e+00	1e+00	3e-01	2e-15	4e-02
3:	1.9850e+00	1.9843e+00	2e-01	7e-02	2e-15	8e-03
4:	1.9802e+00	1.9794e+00	1e-01	3e-02	9e-15	3e-03
5:	1.9986e+00	1.9985e+00	9e-03	3e-03	2e-15	3e-04
6:	2.0000e+00	2.0000e+00	1e-04	3e-05	6e-15	3e-06
7:	2.0000e+00	2.0000e+00	1e-06	3e-07	7e-15	3e-08
8:	2.0000e+00	2.0000e+00	1e-08	3e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1624e+00	1.1602e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9031e+00	1.9021e+00	2e+00	6e-01	9e-16	5e-02
3:	1.9973e+00	1.9972e+00	4e-02	1e-02	7e-16	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3388e+00	1.3363e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9711e+00	1.9707e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9997e+00	1.9997e+00	5e-03	2e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1661e+00	1.1628e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9739e+00	1.9728e+00	9e-01	3e-01	3e-15	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	3e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2192e+00	1.2170e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9331e+00	1.9323e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9992e+00	1.9992e+00	2e-02	6e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	4e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.5662e-01	7.5369e-01	5e+00	2e+00	2e-16	2e-01

2:	1.9872e+00	1.9854e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9138e+00	1.9107e+00	4e-01	1e-01	3e-15	1e-02
4:	1.9984e+00	1.9983e+00	1e-02	3e-03	4e-16	3e-04
5:	2.0000e+00	2.0000e+00	1e-04	3e-05	7e-16	3e-06
6:	2.0000e+00	2.0000e+00	1e-06	3e-07	1e-15	3e-08
7:	2.0000e+00	2.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0143e+00	1.0112e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9634e+00	1.9615e+00	1e+00	4e-01	2e-15	5e-02
3:	1.9958e+00	1.9956e+00	4e-02	1e-02	6e-16	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	9e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1838e+00	1.1804e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9798e+00	1.9787e+00	8e-01	2e-01	4e-15	2e-02
3:	1.9998e+00	1.9997e+00	8e-03	3e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	5e-16	2e-08
6:	2.0000e+00	2.0000e+00	8e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6436e-01	7.6159e-01	5e+00	1e+00	2e-16	2e-01
2:	1.8528e+00	1.8501e+00	2e+00	6e-01	6e-16	6e-02
3:	1.9649e+00	1.9621e+00	3e-01	9e-02	3e-15	7e-03
4:	1.9996e+00	1.9996e+00	3e-03	1e-03	3e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	8e-09
7:	2.0000e+00	2.0000e+00	3e-09	1e-09	4e-16	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2224e+00	1.2192e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9376e+00	1.9367e+00	1e+00	3e-01	4e-15	3e-02
3:	1.9993e+00	1.9993e+00	1e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	5e-05	1e-15	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	5e-07	8e-16	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3239e+00	1.3223e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9571e+00	1.9568e+00	8e-01	3e-01	4e-15	2e-02

3:	1.9996e+00	1.9996e+00	9e-03	3e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	5e-16	2e-08
6:	2.0000e+00	2.0000e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0889e+00	1.0858e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8856e+00	1.8842e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9925e+00	1.9921e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1810e+00	1.1788e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9071e+00	1.9061e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9978e+00	1.9977e+00	4e-02	1e-02	1e-15	9e-04
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	6e-16	9e-06
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	3e-16	9e-08
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	3e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	6.4554e-01	6.4241e-01	5e+00	2e+00	2e-16	2e-01
2:	1.7437e+00	1.7419e+00	9e-01	3e-01	2e-15	3e-02
3:	1.9786e+00	1.9777e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9638e+00	1.9626e+00	1e-01	5e-02	4e-15	4e-03
5:	1.9996e+00	1.9996e+00	2e-03	8e-04	1e-15	6e-05
6:	2.0000e+00	2.0000e+00	2e-05	8e-06	1e-15	6e-07
7:	2.0000e+00	2.0000e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.8828e-01	8.8506e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8986e+00	1.8964e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9677e+00	1.9659e+00	2e-01	7e-02	2e-15	6e-03
4:	1.9997e+00	1.9997e+00	2e-03	8e-04	4e-16	6e-05
5:	2.0000e+00	2.0000e+00	2e-05	8e-06	4e-16	6e-07
6:	2.0000e+00	2.0000e+00	2e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2725e+00	1.2698e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9832e+00	1.9827e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9998e+00	1.9998e+00	5e-03	2e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	7e-16	1e-06

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5: 2.0000e+00 2.0000e+00 5e-07 2e-07 5e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 5.6637e-01 5.6486e-01 4e+00 1e+00 1e-16 1e-01
2: 1.9099e+00 1.9077e+00 8e-01 3e-01 1e-15 3e-02
3: 1.9958e+00 1.9946e+00 3e-01 8e-02 2e-15 9e-03
4: 1.9921e+00 1.9914e+00 5e-02 2e-02 8e-15 1e-03
5: 1.9999e+00 1.9999e+00 6e-04 2e-04 1e-15 1e-05
6: 2.0000e+00 2.0000e+00 6e-06 2e-06 3e-15 1e-07
7: 2.0000e+00 2.0000e+00 6e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 9.3371e-01 9.3056e-01 5e+00 2e+00 1e-16 2e-01
2: 1.8868e+00 1.8850e+00 2e+00 6e-01 8e-16 5e-02
3: 1.9574e+00 1.9559e+00 3e-01 1e-01 2e-15 8e-03
4: 1.9996e+00 1.9995e+00 4e-03 1e-03 2e-16 1e-04
5: 2.0000e+00 2.0000e+00 4e-05 1e-05 3e-16 1e-06
6: 2.0000e+00 2.0000e+00 4e-07 1e-07 4e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2006e+00 1.1981e+00 6e+00 2e+00 3e-16 2e-01
2: 1.9168e+00 1.9158e+00 2e+00 5e-01 9e-16 4e-02
3: 1.9988e+00 1.9988e+00 3e-02 8e-03 2e-15 7e-04
4: 2.0000e+00 2.0000e+00 3e-04 8e-05 6e-16 7e-06
5: 2.0000e+00 2.0000e+00 3e-06 8e-07 7e-16 7e-08
6: 2.0000e+00 2.0000e+00 3e-08 8e-09 1e-15 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.2687e-01 9.2413e-01 5e+00 1e+00 2e-16 2e-01
2: 1.9562e+00 1.9541e+00 2e+00 5e-01 1e-15 5e-02
3: 1.9869e+00 1.9862e+00 9e-02 3e-02 3e-15 3e-03
4: 1.9999e+00 1.9999e+00 9e-04 3e-04 5e-16 3e-05
5: 2.0000e+00 2.0000e+00 9e-06 3e-06 4e-16 3e-07
6: 2.0000e+00 2.0000e+00 9e-08 3e-08 4e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 8.0456e-01 8.0156e-01 5e+00 2e+00 3e-16 2e-01
2: 1.9054e+00 1.9030e+00 2e+00 5e-01 1e-15 5e-02
3: 1.9458e+00 1.9427e+00 3e-01 1e-01 3e-15 8e-03
4: 1.9994e+00 1.9994e+00 4e-03 1e-03 5e-16 1e-04
5: 2.0000e+00 2.0000e+00 4e-05 1e-05 3e-16 1e-06
6: 2.0000e+00 2.0000e+00 4e-07 1e-07 3e-16 1e-08
7: 2.0000e+00 2.0000e+00 4e-09 1e-09 4e-16 1e-10

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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3377e+00	1.3347e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9773e+00	1.9770e+00	3e-01	1e-01	3e-15	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	6e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.0615e-01	8.0314e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8948e+00	1.8924e+00	2e+00	6e-01	3e-16	6e-02
3:	1.9448e+00	1.9418e+00	3e-01	1e-01	2e-15	8e-03
4:	1.9994e+00	1.9994e+00	4e-03	1e-03	4e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	6e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	5.1599e-01	5.1403e-01	4e+00	1e+00	2e-16	1e-01
2:	1.8402e+00	1.8381e+00	8e-01	3e-01	6e-16	3e-02
3:	2.0609e+00	2.0596e+00	2e-01	7e-02	8e-16	7e-03
4:	2.1176e+00	2.1173e+00	5e-02	2e-02	8e-16	2e-03
5:	2.1335e+00	2.1335e+00	4e-03	1e-03	1e-15	1e-04
6:	2.1341e+00	2.1341e+00	9e-04	3e-04	4e-14	3e-05
7:	2.1344e+00	2.1344e+00	9e-06	3e-06	4e-15	3e-07
8:	2.1344e+00	2.1344e+00	9e-08	3e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1534e+00	1.1500e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7838e+00	2.7818e+00	1e+00	4e-01	9e-16	4e-02
3:	2.9593e+00	2.9578e+00	5e-01	2e-01	2e-15	1e-02
4:	2.9956e+00	2.9954e+00	3e-02	9e-03	3e-15	7e-04
5:	3.0000e+00	3.0000e+00	3e-04	9e-05	9e-16	7e-06
6:	3.0000e+00	3.0000e+00	3e-06	9e-07	1e-15	7e-08
7:	3.0000e+00	3.0000e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7908e+00	1.7877e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9275e+00	2.9263e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9987e+00	2.9986e+00	2e-02	5e-03	2e-15	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8279e+00	1.8264e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8468e+00	2.8464e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9727e+00	2.9725e+00	1e-01	4e-02	3e-15	3e-03
4:	2.9997e+00	2.9997e+00	1e-03	4e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6376e+00	1.6372e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8514e+00	2.8513e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9338e+00	2.9337e+00	3e-01	9e-02	3e-15	7e-03
4:	2.9993e+00	2.9993e+00	4e-03	1e-03	3e-16	9e-05
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1003e+00	1.0969e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4010e+00	2.3997e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9375e+00	2.9372e+00	3e-01	9e-02	7e-16	9e-03
4:	2.9904e+00	2.9902e+00	1e-01	3e-02	6e-15	3e-03
5:	2.9972e+00	2.9972e+00	1e-02	3e-03	2e-14	3e-04
6:	3.0000e+00	3.0000e+00	1e-04	3e-05	3e-15	3e-06
7:	3.0000e+00	3.0000e+00	1e-06	3e-07	3e-15	3e-08
8:	3.0000e+00	3.0000e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5928e+00	1.5905e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8370e+00	2.8359e+00	2e+00	5e-01	9e-16	5e-02
3:	2.9695e+00	2.9690e+00	2e-01	6e-02	2e-15	5e-03
4:	2.9997e+00	2.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3998e+00	1.3965e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5449e+00	2.5435e+00	1e+00	5e-01	9e-16	4e-02
3:	2.9533e+00	2.9528e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9513e+00	2.9505e+00	2e-01	6e-02	1e-14	5e-03
5:	2.9994e+00	2.9994e+00	4e-03	1e-03	9e-16	1e-04
6:	3.0000e+00	3.0000e+00	4e-05	1e-05	2e-15	1e-06
7:	3.0000e+00	3.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3865e+00	1.3832e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6557e+00	2.6542e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9612e+00	2.9605e+00	6e-01	2e-01	1e-15	2e-02
4:	2.9804e+00	2.9798e+00	1e-01	4e-02	5e-15	3e-03
5:	2.9998e+00	2.9998e+00	1e-03	4e-04	1e-15	4e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	1e-15	4e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5122e+00	1.5099e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8768e+00	2.8760e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9387e+00	2.9382e+00	2e-01	8e-02	5e-15	6e-03
4:	2.9994e+00	2.9994e+00	3e-03	9e-04	5e-16	7e-05
5:	3.0000e+00	3.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	3.0000e+00	3.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1309e+00	1.1275e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7548e+00	2.7528e+00	1e+00	4e-01	4e-16	4e-02
3:	2.9704e+00	2.9694e+00	5e-01	2e-01	9e-16	1e-02
4:	2.9924e+00	2.9921e+00	4e-02	1e-02	3e-15	1e-03
5:	2.9999e+00	2.9999e+00	4e-04	1e-04	8e-16	1e-05
6:	3.0000e+00	3.0000e+00	4e-06	1e-06	1e-15	1e-07
7:	3.0000e+00	3.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9766e-01	9.9431e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9875e+00	1.9863e+00	9e-01	3e-01	2e-15	3e-02
3:	2.3055e+00	2.3051e+00	2e-01	6e-02	1e-15	6e-03
4:	2.3630e+00	2.3629e+00	4e-02	1e-02	2e-15	1e-03
5:	2.3727e+00	2.3727e+00	5e-03	2e-03	2e-15	1e-04
6:	2.3736e+00	2.3735e+00	8e-04	2e-04	5e-14	2e-05
7:	2.3738e+00	2.3738e+00	8e-06	2e-06	2e-15	2e-07
8:	2.3738e+00	2.3738e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8202e+00	1.8174e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9183e+00	2.9174e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9989e+00	2.9989e+00	1e-02	4e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	9e-16	4e-08

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6: 3.0000e+00 3.0000e+00 1e-08 4e-09 7e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 7.5525e-01 7.5303e-01 4e+00 1e+00 3e-16 2e-01
2: 2.0648e+00 2.0626e+00 1e+00 4e-01 1e-15 4e-02
3: 2.4138e+00 2.4130e+00 3e-01 9e-02 6e-16 1e-02
4: 2.4665e+00 2.4661e+00 1e-01 3e-02 1e-15 3e-03
5: 2.4832e+00 2.4830e+00 3e-02 9e-03 3e-15 9e-04
6: 2.4882e+00 2.4881e+00 3e-03 9e-04 7e-15 8e-05
7: 2.4889e+00 2.4889e+00 3e-05 9e-06 1e-15 9e-07
8: 2.4889e+00 2.4889e+00 3e-07 9e-08 1e-15 9e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3464e+00 1.3451e+00 5e+00 2e+00 3e-16 1e-01
2: 2.5939e+00 2.5933e+00 1e+00 4e-01 1e-15 4e-02
3: 2.9518e+00 2.9516e+00 5e-01 1e-01 9e-16 1e-02
4: 2.9616e+00 2.9615e+00 2e-01 5e-02 5e-15 4e-03
5: 2.9996e+00 2.9996e+00 2e-03 7e-04 7e-16 6e-05
6: 3.0000e+00 3.0000e+00 2e-05 7e-06 2e-15 6e-07
7: 3.0000e+00 3.0000e+00 2e-07 7e-08 1e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.7314e+00 1.7285e+00 5e+00 2e+00 2e-16 2e-01
2: 2.7832e+00 2.7815e+00 2e+00 7e-01 1e-15 6e-02
3: 2.9904e+00 2.9901e+00 9e-02 3e-02 2e-15 2e-03
4: 2.9999e+00 2.9999e+00 9e-04 3e-04 3e-16 2e-05
5: 3.0000e+00 3.0000e+00 9e-06 3e-06 3e-16 2e-07
6: 3.0000e+00 3.0000e+00 9e-08 3e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.7290e+00 1.7260e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8087e+00 2.8071e+00 2e+00 6e-01 1e-15 5e-02
3: 2.9902e+00 2.9899e+00 8e-02 3e-02 2e-15 2e-03
4: 2.9999e+00 2.9999e+00 8e-04 3e-04 3e-16 2e-05
5: 3.0000e+00 3.0000e+00 8e-06 3e-06 3e-16 2e-07
6: 3.0000e+00 3.0000e+00 8e-08 3e-08 4e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.6223e+00 1.6213e+00 6e+00 2e+00 2e-16 2e-01
2: 2.8838e+00 2.8834e+00 2e+00 5e-01 1e-15 4e-02
3: 2.9893e+00 2.9893e+00 7e-02 2e-02 2e-15 2e-03
4: 2.9999e+00 2.9999e+00 7e-04 2e-04 3e-16 2e-05
5: 3.0000e+00 3.0000e+00 7e-06 2e-06 4e-16 2e-07

```



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6: 3.0000e+00 3.0000e+00 7e-08 2e-08 4e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.4054e+00 1.4022e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8893e+00 2.8873e+00 1e+00 4e-01 1e-15 4e-02
3: 2.9700e+00 2.9691e+00 2e-01 5e-02 4e-15 4e-03
4: 2.9997e+00 2.9997e+00 2e-03 5e-04 4e-16 4e-05
5: 3.0000e+00 3.0000e+00 2e-05 5e-06 5e-16 4e-07
6: 3.0000e+00 3.0000e+00 2e-07 5e-08 4e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 1.4410e+00 1.4378e+00 5e+00 2e+00 2e-16 2e-01
2: 2.9105e+00 2.9085e+00 1e+00 4e-01 1e-15 4e-02
3: 2.9676e+00 2.9667e+00 2e-01 5e-02 3e-15 5e-03
4: 2.9997e+00 2.9997e+00 2e-03 5e-04 4e-16 5e-05
5: 3.0000e+00 3.0000e+00 2e-05 5e-06 7e-16 5e-07
6: 3.0000e+00 3.0000e+00 2e-07 5e-08 5e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.5211e+00 1.5179e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8920e+00 2.8904e+00 1e+00 4e-01 1e-15 4e-02
3: 2.9784e+00 2.9778e+00 1e-01 4e-02 3e-15 4e-03
4: 2.9998e+00 2.9998e+00 1e-03 4e-04 6e-16 4e-05
5: 3.0000e+00 3.0000e+00 1e-05 4e-06 5e-16 4e-07
6: 3.0000e+00 3.0000e+00 1e-07 4e-08 9e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.3086e+00 1.3054e+00 5e+00 2e+00 2e-16 2e-01
2: 2.7396e+00 2.7368e+00 2e+00 6e-01 2e-15 6e-02
3: 2.9531e+00 2.9508e+00 3e-01 1e-01 2e-15 8e-03
4: 2.9995e+00 2.9995e+00 4e-03 1e-03 4e-16 1e-04
5: 3.0000e+00 3.0000e+00 4e-05 1e-05 4e-16 1e-06
6: 3.0000e+00 3.0000e+00 4e-07 1e-07 4e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.7644e+00 1.7615e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8597e+00 2.8586e+00 1e+00 4e-01 2e-15 4e-02
3: 2.9922e+00 2.9920e+00 6e-02 2e-02 4e-15 1e-03
4: 2.9999e+00 2.9999e+00 6e-04 2e-04 4e-16 1e-05
5: 3.0000e+00 3.0000e+00 6e-06 2e-06 4e-16 1e-07
6: 3.0000e+00 3.0000e+00 6e-08 2e-08 3e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3684e+00	1.3653e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7158e+00	2.7144e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9423e+00	2.9414e+00	5e-01	1e-01	2e-15	1e-02
4:	2.9939e+00	2.9938e+00	3e-02	8e-03	2e-15	7e-04
5:	2.9999e+00	2.9999e+00	3e-04	8e-05	8e-16	7e-06
6:	3.0000e+00	3.0000e+00	3e-06	8e-07	8e-16	7e-08
7:	3.0000e+00	3.0000e+00	3e-08	8e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5543e+00	1.5511e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8206e+00	2.8191e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9755e+00	2.9749e+00	2e-01	5e-02	2e-15	4e-03
4:	2.9998e+00	2.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2013e+00	1.1986e+00	5e+00	1e+00	2e-16	2e-01
2:	2.8667e+00	2.8648e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9579e+00	2.9558e+00	2e-01	6e-02	7e-15	5e-03
4:	2.9996e+00	2.9995e+00	3e-03	8e-04	6e-16	7e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	7e-16	7e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4712e+00	1.4679e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8532e+00	2.8512e+00	2e+00	5e-01	7e-16	5e-02
3:	2.9820e+00	2.9815e+00	1e-01	3e-02	3e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5488e+00	1.5472e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8153e+00	2.8146e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9332e+00	2.9326e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9993e+00	2.9993e+00	5e-03	2e-03	3e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	3e-16	1e-08
7:	3.0000e+00	3.0000e+00	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	1.1125e+00	1.1100e+00	4e+00	1e+00	2e-16	2e-01
2:	2.8067e+00	2.8049e+00	9e-01	3e-01	1e-15	3e-02
3:	2.9888e+00	2.9882e+00	2e-01	7e-02	2e-15	8e-03
4:	2.9852e+00	2.9846e+00	6e-02	2e-02	2e-14	2e-03
5:	2.9998e+00	2.9998e+00	7e-04	2e-04	7e-16	2e-05
6:	3.0000e+00	3.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	3.0000e+00	3.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5292e+00	1.5264e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8777e+00	2.8766e+00	1e+00	5e-01	3e-15	4e-02
3:	2.9507e+00	2.9498e+00	3e-01	9e-02	2e-15	7e-03
4:	2.9995e+00	2.9995e+00	3e-03	1e-03	3e-16	9e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	3e-16	9e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1290e+00	2.1284e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9726e+00	2.9726e+00	3e-01	1e-01	1e-15	9e-03
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	6e-16	9e-05
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6102e+00	1.6069e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9803e+00	2.9791e+00	9e-01	3e-01	5e-15	3e-02
3:	2.9808e+00	2.9800e+00	1e-01	4e-02	3e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8747e+00	1.8727e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8823e+00	2.8817e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9949e+00	2.9949e+00	4e-02	1e-02	2e-15	9e-04
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	9e-08
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9087e+00	1.9059e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9340e+00	2.9333e+00	9e-01	3e-01	4e-15	2e-02
3:	2.9993e+00	2.9993e+00	9e-03	3e-03	1e-15	3e-04

4:	3.0000e+00	3.0000e+00	9e-05	3e-05	1e-15	3e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4484e+00	1.4450e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7499e+00	2.7479e+00	2e+00	6e-01	2e-15	6e-02
3:	2.9589e+00	2.9579e+00	6e-01	2e-01	2e-15	2e-02
4:	2.9987e+00	2.9986e+00	1e-02	4e-03	2e-15	3e-04
5:	3.0000e+00	3.0000e+00	1e-04	4e-05	9e-16	3e-06
6:	3.0000e+00	3.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	3.0000e+00	3.0000e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5043e+00	1.5029e+00	6e+00	2e+00	3e-16	1e-01
2:	2.5836e+00	2.5831e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9573e+00	2.9571e+00	4e-01	1e-01	8e-16	1e-02
4:	2.9720e+00	2.9718e+00	1e-01	3e-02	1e-14	3e-03
5:	2.9997e+00	2.9997e+00	1e-03	4e-04	3e-16	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	8e-16	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.3811e-01	9.3492e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1931e+00	2.1916e+00	9e-01	3e-01	1e-15	3e-02
3:	2.4966e+00	2.4960e+00	2e-01	7e-02	9e-16	7e-03
4:	2.5572e+00	2.5571e+00	5e-02	2e-02	9e-16	2e-03
5:	2.5714e+00	2.5713e+00	2e-02	5e-03	2e-15	4e-04
6:	2.5745e+00	2.5745e+00	2e-03	6e-04	9e-15	6e-05
7:	2.5751e+00	2.5751e+00	2e-05	7e-06	8e-16	6e-07
8:	2.5751e+00	2.5751e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4272e+00	1.4240e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8248e+00	2.8232e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9477e+00	2.9465e+00	3e-01	9e-02	2e-15	7e-03
4:	2.9995e+00	2.9994e+00	3e-03	1e-03	4e-16	8e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3124e+00	1.3092e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8480e+00	2.8459e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9906e+00	2.9898e+00	3e-01	9e-02	2e-15	9e-03

4:	2.9982e+00	2.9981e+00	1e-02	4e-03	9e-15	3e-04
5:	3.0000e+00	3.0000e+00	1e-04	4e-05	8e-16	3e-06
6:	3.0000e+00	3.0000e+00	1e-06	4e-07	2e-15	3e-08
7:	3.0000e+00	3.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8627e+00	1.8628e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8714e+00	2.8714e+00	1e+00	5e-01	6e-16	4e-02
3:	2.9846e+00	2.9846e+00	8e-02	3e-02	3e-15	2e-03
4:	2.9998e+00	2.9998e+00	8e-04	3e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1875e+00	1.1849e+00	4e+00	1e+00	2e-16	2e-01
2:	2.8216e+00	2.8190e+00	1e+00	5e-01	9e-16	5e-02
3:	2.9186e+00	2.9162e+00	3e-01	9e-02	4e-15	8e-03
4:	2.9992e+00	2.9991e+00	3e-03	1e-03	4e-16	9e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	4e-16	9e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8272e+00	1.8252e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9261e+00	2.9256e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9988e+00	2.9987e+00	2e-02	5e-03	7e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	7e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6844e+00	1.6817e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8529e+00	2.8519e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9922e+00	2.9920e+00	6e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	5e-16	2e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	5e-16	2e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0453e+00	1.0422e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6070e+00	2.6052e+00	9e-01	3e-01	1e-15	3e-02
3:	2.8205e+00	2.8200e+00	2e-01	5e-02	9e-16	5e-03
4:	2.8678e+00	2.8677e+00	2e-02	6e-03	3e-15	6e-04
5:	2.8733e+00	2.8733e+00	1e-03	4e-04	4e-15	3e-05

6:	2.8736e+00	2.8736e+00	2e-05	6e-06	9e-15	5e-07
7:	2.8736e+00	2.8736e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9194e+00	1.9205e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8389e+00	2.8393e+00	2e+00	6e-01	4e-16	5e-02
3:	2.9883e+00	2.9883e+00	1e-01	3e-02	1e-15	3e-03
4:	2.9999e+00	2.9999e+00	1e-03	3e-04	2e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5767e+00	1.5733e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8305e+00	2.8283e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9871e+00	2.9868e+00	8e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	8e-04	2e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	2e-06	5e-16	2e-07
6:	3.0000e+00	3.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5519e+00	1.5488e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8135e+00	2.8117e+00	2e+00	6e-01	1e-15	6e-02
3:	2.9858e+00	2.9854e+00	9e-02	3e-02	1e-15	2e-03
4:	2.9999e+00	2.9999e+00	9e-04	3e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	9e-06	3e-06	2e-16	2e-07
6:	3.0000e+00	3.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0826e+00	1.0796e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7246e+00	2.7227e+00	1e+00	3e-01	9e-16	4e-02
3:	2.9631e+00	2.9627e+00	2e-01	5e-02	7e-16	5e-03
4:	2.9967e+00	2.9965e+00	6e-02	2e-02	5e-15	2e-03
5:	2.9968e+00	2.9967e+00	1e-02	4e-03	3e-14	3e-04
6:	3.0000e+00	3.0000e+00	1e-04	4e-05	3e-15	3e-06
7:	3.0000e+00	3.0000e+00	1e-06	4e-07	4e-15	3e-08
8:	3.0000e+00	3.0000e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8204e+00	1.8179e+00	5e+00	2e+00	3e-16	1e-01
2:	2.8282e+00	2.8270e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9947e+00	2.9946e+00	5e-02	2e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	3e-16	1e-07

6: 3.0000e+00 3.0000e+00 5e-08 2e-08 3e-16 1e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9195e+00	1.9169e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9303e+00	2.9297e+00	8e-01	3e-01	3e-15	2e-02
3:	2.9993e+00	2.9992e+00	9e-03	3e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1570e+00	2.1553e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8009e+00	3.8002e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9532e+00	3.9529e+00	2e-01	6e-02	4e-15	5e-03
4:	3.9995e+00	3.9995e+00	2e-03	6e-04	4e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4181e+00	2.4154e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8814e+00	3.8807e+00	1e+00	3e-01	3e-15	3e-02
3:	3.9923e+00	3.9922e+00	6e-02	2e-02	3e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	8e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	7e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1201e+00	1.1168e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7820e+00	2.7798e+00	1e+00	5e-01	1e-15	5e-02
3:	3.0815e+00	3.0811e+00	2e-01	7e-02	1e-15	7e-03
4:	3.1397e+00	3.1396e+00	4e-02	1e-02	4e-15	1e-03
5:	3.1486e+00	3.1486e+00	3e-03	1e-03	1e-15	9e-05
6:	3.1495e+00	3.1495e+00	3e-05	1e-05	8e-16	1e-06
7:	3.1495e+00	3.1495e+00	3e-07	1e-07	9e-16	1e-08
8:	3.1495e+00	3.1495e+00	3e-09	1e-09	9e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7724e+00	2.7707e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9582e+00	3.9580e+00	4e-01	1e-01	1e-15	1e-02
3:	3.9996e+00	3.9996e+00	4e-03	1e-03	4e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	9e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9993e+00	1.9970e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8192e+00	3.8183e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9577e+00	3.9574e+00	2e-01	6e-02	3e-15	5e-03
4:	3.9996e+00	3.9996e+00	2e-03	6e-04	5e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8915e+00	1.8883e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6486e+00	3.6472e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9571e+00	3.9564e+00	3e-01	1e-01	4e-15	9e-03
4:	3.9988e+00	3.9988e+00	6e-03	2e-03	2e-15	2e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	2e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0734e+00	2.0702e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7478e+00	3.7466e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9667e+00	3.9660e+00	2e-01	8e-02	2e-15	6e-03
4:	3.9997e+00	3.9996e+00	3e-03	9e-04	1e-15	7e-05
5:	4.0000e+00	4.0000e+00	3e-05	9e-06	1e-15	7e-07
6:	4.0000e+00	4.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2285e+00	2.2263e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6644e+00	3.6638e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9688e+00	3.9684e+00	3e-01	1e-01	6e-15	8e-03
4:	3.9992e+00	3.9992e+00	6e-03	2e-03	3e-15	1e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	1e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3295e+00	1.3263e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3350e+00	3.3333e+00	9e-01	3e-01	2e-15	3e-02
3:	3.5721e+00	3.5716e+00	2e-01	6e-02	9e-16	6e-03
4:	3.6007e+00	3.6005e+00	4e-02	1e-02	4e-15	1e-03
5:	3.6093e+00	3.6093e+00	7e-03	2e-03	9e-15	2e-04
6:	3.6111e+00	3.6111e+00	4e-04	1e-04	1e-15	1e-05
7:	3.6112e+00	3.6112e+00	5e-06	2e-06	9e-15	1e-07
8:	3.6112e+00	3.6112e+00	5e-08	2e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00



1:	2.0026e+00	1.9997e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8982e+00	3.8972e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9500e+00	3.9493e+00	2e-01	7e-02	4e-15	5e-03
4:	3.9995e+00	3.9995e+00	2e-03	7e-04	4e-16	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	7e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1471e+00	2.1465e+00	5e+00	2e+00	2e-16	1e-01
2:	3.6585e+00	3.6582e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9252e+00	3.9251e+00	7e-01	2e-01	1e-15	2e-02
4:	3.9827e+00	3.9827e+00	7e-02	2e-02	1e-15	2e-03
5:	3.9998e+00	3.9998e+00	7e-04	2e-04	4e-16	2e-05
6:	4.0000e+00	4.0000e+00	7e-06	2e-06	6e-16	2e-07
7:	4.0000e+00	4.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5008e+00	1.4975e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3312e+00	3.3293e+00	1e+00	4e-01	3e-15	4e-02
3:	3.5549e+00	3.5536e+00	4e-01	1e-01	2e-15	1e-02
4:	3.6524e+00	3.6523e+00	6e-02	2e-02	8e-16	2e-03
5:	3.6710e+00	3.6710e+00	3e-03	9e-04	3e-15	8e-05
6:	3.6718e+00	3.6718e+00	3e-05	1e-05	4e-15	8e-07
7:	3.6718e+00	3.6718e+00	3e-07	1e-07	4e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1179e+00	2.1170e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5742e+00	3.5739e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9341e+00	3.9340e+00	5e-01	2e-01	2e-15	1e-02
4:	3.9878e+00	3.9877e+00	6e-02	2e-02	4e-15	1e-03
5:	3.9999e+00	3.9999e+00	6e-04	2e-04	6e-16	1e-05
6:	4.0000e+00	4.0000e+00	6e-06	2e-06	9e-16	1e-07
7:	4.0000e+00	4.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6268e+00	2.6281e+00	6e+00	2e+00	2e-16	1e-01
2:	3.8070e+00	3.8074e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9888e+00	3.9888e+00	7e-02	2e-02	3e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.2768e+00	2.2742e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7745e+00	3.7734e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9795e+00	3.9792e+00	1e-01	5e-02	3e-15	4e-03
4:	3.9998e+00	3.9998e+00	1e-03	5e-04	7e-16	4e-05
5:	4.0000e+00	4.0000e+00	1e-05	5e-06	9e-16	4e-07
6:	4.0000e+00	4.0000e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2565e+00	2.2545e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7556e+00	3.7547e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9666e+00	3.9663e+00	2e-01	6e-02	2e-15	5e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4242e+00	1.4210e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9563e+00	2.9542e+00	1e+00	4e-01	1e-15	4e-02
3:	3.2694e+00	3.2686e+00	4e-01	1e-01	1e-15	1e-02
4:	3.3827e+00	3.3824e+00	8e-02	2e-02	9e-16	2e-03
5:	3.3956e+00	3.3955e+00	1e-02	3e-03	2e-15	3e-04
6:	3.3976e+00	3.3976e+00	6e-04	2e-04	9e-15	2e-05
7:	3.3977e+00	3.3977e+00	6e-06	2e-06	1e-15	2e-07
8:	3.3977e+00	3.3977e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8528e+00	1.8496e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6087e+00	3.6070e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9672e+00	3.9667e+00	4e-01	1e-01	1e-15	1e-02
4:	3.9916e+00	3.9914e+00	4e-02	1e-02	1e-14	9e-04
5:	3.9999e+00	3.9999e+00	4e-04	1e-04	1e-15	9e-06
6:	4.0000e+00	4.0000e+00	4e-06	1e-06	8e-16	9e-08
7:	4.0000e+00	4.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2695e+00	2.2671e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8963e+00	3.8955e+00	1e+00	4e-01	8e-16	3e-02
3:	3.9940e+00	3.9939e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.6000e+00	1.5967e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1225e+00	3.1210e+00	1e+00	4e-01	2e-15	4e-02
3:	3.5288e+00	3.5285e+00	2e-01	6e-02	6e-16	5e-03
4:	3.5750e+00	3.5750e+00	3e-02	1e-02	2e-15	9e-04
5:	3.5806e+00	3.5806e+00	4e-03	1e-03	1e-14	1e-04
6:	3.5819e+00	3.5819e+00	5e-05	1e-05	1e-15	1e-06
7:	3.5819e+00	3.5819e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0327e+00	2.0301e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6862e+00	3.6851e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9579e+00	3.9573e+00	5e-01	1e-01	1e-15	1e-02
4:	3.9989e+00	3.9989e+00	8e-03	3e-03	2e-15	2e-04
5:	4.0000e+00	4.0000e+00	8e-05	3e-05	7e-16	2e-06
6:	4.0000e+00	4.0000e+00	8e-07	3e-07	8e-16	2e-08
7:	4.0000e+00	4.0000e+00	8e-09	3e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9676e+00	1.9664e+00	6e+00	2e+00	2e-16	1e-01
2:	3.5656e+00	3.5652e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9656e+00	3.9655e+00	3e-01	1e-01	7e-16	8e-03
4:	3.9533e+00	3.9532e+00	2e-01	6e-02	7e-15	5e-03
5:	3.9993e+00	3.9993e+00	5e-03	1e-03	9e-16	1e-04
6:	4.0000e+00	4.0000e+00	5e-05	1e-05	3e-15	1e-06
7:	4.0000e+00	4.0000e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8033e+00	2.8017e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8887e+00	3.8884e+00	8e-01	3e-01	1e-15	2e-02
3:	3.9988e+00	3.9988e+00	9e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	2e-15	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	8e-16	2e-08
6:	4.0000e+00	4.0000e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8781e+00	1.8762e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7245e+00	3.7235e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9133e+00	3.9126e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9991e+00	3.9991e+00	5e-03	2e-03	5e-16	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	3e-16	1e-08
7:	4.0000e+00	4.0000e+00	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1838e+00	2.1828e+00	6e+00	2e+00	2e-16	1e-01
2:	3.4112e+00	3.4108e+00	2e+00	5e-01	1e-15	4e-02
3:	3.8524e+00	3.8523e+00	5e-01	2e-01	2e-15	1e-02
4:	3.9800e+00	3.9800e+00	1e-01	5e-02	1e-15	4e-03
5:	3.9900e+00	3.9900e+00	4e-02	1e-02	3e-14	9e-04
6:	3.9999e+00	3.9999e+00	5e-04	1e-04	2e-15	1e-05
7:	4.0000e+00	4.0000e+00	5e-06	1e-06	3e-15	1e-07
8:	4.0000e+00	4.0000e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1359e+00	2.1325e+00	5e+00	2e+00	3e-16	2e-01
2:	3.8995e+00	3.8980e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9915e+00	3.9909e+00	2e-01	5e-02	3e-15	4e-03
4:	3.9999e+00	3.9999e+00	2e-03	5e-04	7e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	7e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2506e+00	2.2508e+00	6e+00	2e+00	3e-16	1e-01
2:	3.7473e+00	3.7474e+00	1e+00	3e-01	7e-16	3e-02
3:	3.9725e+00	3.9725e+00	3e-01	9e-02	3e-15	7e-03
4:	3.9992e+00	3.9992e+00	5e-03	2e-03	3e-15	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9292e+00	1.9265e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3507e+00	3.3497e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7397e+00	3.7393e+00	4e-01	1e-01	1e-15	1e-02
4:	3.8301e+00	3.8299e+00	1e-01	4e-02	5e-15	3e-03
5:	3.8626e+00	3.8625e+00	2e-02	6e-03	1e-15	5e-04
6:	3.8676e+00	3.8676e+00	2e-04	7e-05	8e-16	6e-06
7:	3.8677e+00	3.8677e+00	2e-06	7e-07	1e-15	6e-08
8:	3.8677e+00	3.8677e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2471e+00	2.2471e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7301e+00	3.7301e+00	2e+00	6e-01	6e-16	4e-02
3:	3.9605e+00	3.9605e+00	2e-01	8e-02	2e-15	6e-03
4:	3.9996e+00	3.9996e+00	3e-03	9e-04	3e-16	7e-05
5:	4.0000e+00	4.0000e+00	3e-05	9e-06	2e-16	7e-07
6:	4.0000e+00	4.0000e+00	3e-07	9e-08	2e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8571e+00	1.8541e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4063e+00	3.4053e+00	1e+00	3e-01	2e-15	3e-02
3:	3.7412e+00	3.7408e+00	4e-01	1e-01	2e-15	1e-02
4:	3.8156e+00	3.8154e+00	1e-01	4e-02	3e-15	3e-03
5:	3.8535e+00	3.8534e+00	3e-02	1e-02	3e-15	8e-04
6:	3.8552e+00	3.8551e+00	2e-02	7e-03	8e-15	6e-04
7:	3.8606e+00	3.8606e+00	1e-03	5e-04	4e-15	4e-05
8:	3.8611e+00	3.8611e+00	2e-05	5e-06	3e-15	4e-07
9:	3.8611e+00	3.8611e+00	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3522e+00	2.3499e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8522e+00	3.8512e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9946e+00	3.9946e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4276e+00	2.4251e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8649e+00	3.8642e+00	1e+00	3e-01	3e-15	3e-02
3:	3.9931e+00	3.9930e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5680e+00	1.5657e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2284e+00	3.2276e+00	1e+00	3e-01	2e-15	3e-02
3:	3.5399e+00	3.5396e+00	3e-01	1e-01	1e-15	9e-03
4:	3.6261e+00	3.6260e+00	6e-02	2e-02	3e-15	2e-03
5:	3.6394e+00	3.6394e+00	1e-02	4e-03	1e-14	3e-04
6:	3.6435e+00	3.6435e+00	2e-04	6e-05	8e-16	5e-06
7:	3.6436e+00	3.6436e+00	2e-06	6e-07	7e-16	5e-08
8:	3.6436e+00	3.6436e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7000e+00	1.6967e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7814e+00	3.7797e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9688e+00	3.9683e+00	2e-01	6e-02	9e-16	6e-03
4:	3.9907e+00	3.9905e+00	3e-02	1e-02	2e-14	9e-04
5:	3.9999e+00	3.9999e+00	4e-04	1e-04	1e-15	1e-05

6:	4.0000e+00	4.0000e+00	4e-06	1e-06	2e-15	1e-07
7:	4.0000e+00	4.0000e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2915e+00	1.2882e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8721e+00	2.8698e+00	2e+00	6e-01	2e-15	5e-02
3:	3.2201e+00	3.2189e+00	7e-01	2e-01	1e-15	2e-02
4:	3.3541e+00	3.3537e+00	1e-01	5e-02	2e-15	4e-03
5:	3.3829e+00	3.3828e+00	4e-02	1e-02	2e-15	1e-03
6:	3.3946e+00	3.3946e+00	5e-03	2e-03	1e-15	1e-04
7:	3.3957e+00	3.3957e+00	1e-04	4e-05	1e-14	3e-06
8:	3.3958e+00	3.3958e+00	1e-06	4e-07	3e-14	3e-08
9:	3.3958e+00	3.3958e+00	1e-08	4e-09	3e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3140e+00	2.3123e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7995e+00	3.7989e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9724e+00	3.9723e+00	1e-01	4e-02	2e-15	3e-03
4:	3.9997e+00	3.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2005e+00	1.1973e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8987e+00	2.8967e+00	1e+00	4e-01	9e-16	4e-02
3:	3.2769e+00	3.2756e+00	4e-01	1e-01	6e-16	1e-02
4:	3.3590e+00	3.3587e+00	8e-02	2e-02	1e-15	2e-03
5:	3.3752e+00	3.3752e+00	6e-03	2e-03	4e-15	2e-04
6:	3.3766e+00	3.3766e+00	8e-05	3e-05	8e-15	2e-06
7:	3.3766e+00	3.3766e+00	8e-07	3e-07	3e-15	2e-08
8:	3.3766e+00	3.3766e+00	8e-09	3e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1188e+00	2.1156e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8760e+00	3.8746e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9886e+00	3.9883e+00	6e-02	2e-02	4e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	5e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5518e+00	1.5484e+00	5e+00	2e+00	3e-16	2e-01
2:	3.4506e+00	3.4488e+00	1e+00	3e-01	2e-15	3e-02

3:	3.8546e+00	3.8537e+00	3e-01	1e-01	1e-15	1e-02
4:	3.8975e+00	3.8969e+00	1e-01	4e-02	4e-15	3e-03
5:	3.9279e+00	3.9278e+00	3e-02	9e-03	3e-15	7e-04
6:	3.9362e+00	3.9362e+00	1e-03	4e-04	3e-15	3e-05
7:	3.9365e+00	3.9365e+00	1e-05	4e-06	4e-15	3e-07
8:	3.9365e+00	3.9365e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1937e+00	2.1935e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7175e+00	3.7174e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9287e+00	3.9287e+00	6e-01	2e-01	1e-15	1e-02
4:	3.9849e+00	3.9849e+00	9e-02	3e-02	3e-15	2e-03
5:	3.9998e+00	3.9998e+00	9e-04	3e-04	1e-15	2e-05
6:	4.0000e+00	4.0000e+00	9e-06	3e-06	1e-15	2e-07
7:	4.0000e+00	4.0000e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3188e+00	2.3180e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8318e+00	3.8315e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9860e+00	3.9860e+00	2e-01	5e-02	3e-15	4e-03
4:	3.9999e+00	3.9999e+00	2e-03	5e-04	8e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	1e-15	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6960e+00	1.6938e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6156e+00	3.6149e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9022e+00	3.9019e+00	3e-01	1e-01	2e-15	8e-03
4:	3.9931e+00	3.9931e+00	6e-02	2e-02	1e-15	1e-03
5:	3.9902e+00	3.9901e+00	3e-02	1e-02	4e-14	8e-04
6:	3.9998e+00	3.9998e+00	6e-04	2e-04	2e-15	2e-05
7:	4.0000e+00	4.0000e+00	6e-06	2e-06	1e-14	2e-07
8:	4.0000e+00	4.0000e+00	6e-08	2e-08	8e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2172e+00	2.2151e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7862e+00	3.7856e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9803e+00	3.9800e+00	3e-01	8e-02	2e-15	7e-03
4:	3.9997e+00	3.9997e+00	3e-03	9e-04	1e-15	8e-05
5:	4.0000e+00	4.0000e+00	3e-05	9e-06	1e-15	8e-07
6:	4.0000e+00	4.0000e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.9014e+00	1.8986e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6393e+00	3.6381e+00	1e+00	4e-01	1e-15	4e-02
3:	3.8972e+00	3.8964e+00	5e-01	2e-01	1e-15	1e-02
4:	3.9865e+00	3.9863e+00	8e-02	2e-02	4e-15	2e-03
5:	3.9999e+00	3.9998e+00	9e-04	3e-04	2e-15	2e-05
6:	4.0000e+00	4.0000e+00	9e-06	3e-06	2e-15	2e-07
7:	4.0000e+00	4.0000e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3326e+00	2.3301e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8036e+00	3.8027e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9670e+00	3.9665e+00	2e-01	6e-02	4e-15	5e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	5e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5236e+00	1.5204e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2691e+00	3.2677e+00	1e+00	4e-01	1e-15	3e-02
3:	3.6435e+00	3.6430e+00	3e-01	1e-01	2e-15	1e-02
4:	3.7346e+00	3.7344e+00	9e-02	3e-02	5e-15	2e-03
5:	3.7558e+00	3.7557e+00	4e-02	1e-02	3e-15	1e-03
6:	3.7634e+00	3.7634e+00	8e-03	3e-03	8e-15	2e-04
7:	3.7654e+00	3.7654e+00	2e-03	6e-04	6e-15	5e-05
8:	3.7658e+00	3.7658e+00	1e-04	3e-05	5e-14	3e-06
9:	3.7659e+00	3.7659e+00	1e-06	3e-07	8e-15	3e-08
10:	3.7659e+00	3.7659e+00	1e-08	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5414e+00	2.5393e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8084e+00	3.8077e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9867e+00	3.9866e+00	6e-02	2e-02	3e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	9e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	6e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5660e+00	1.5626e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2483e+00	3.2465e+00	1e+00	5e-01	2e-15	4e-02
3:	3.6335e+00	3.6327e+00	3e-01	1e-01	2e-15	9e-03
4:	3.7182e+00	3.7180e+00	6e-02	2e-02	2e-15	2e-03
5:	3.7306e+00	3.7306e+00	9e-03	3e-03	4e-15	2e-04
6:	3.7333e+00	3.7333e+00	1e-04	4e-05	4e-15	4e-06
7:	3.7333e+00	3.7333e+00	1e-06	4e-07	4e-15	4e-08



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8: 3.7333e+00 3.7333e+00 1e-08 4e-09 3e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.7822e+00 1.7789e+00 5e+00 2e+00 2e-16 2e-01
2: 3.3658e+00 3.3642e+00 1e+00 4e-01 2e-15 4e-02
3: 3.7000e+00 3.6992e+00 3e-01 1e-01 1e-15 9e-03
4: 3.7752e+00 3.7751e+00 2e-02 6e-03 8e-16 5e-04
5: 3.7792e+00 3.7792e+00 7e-04 2e-04 2e-15 2e-05
6: 3.7794e+00 3.7794e+00 7e-06 2e-06 6e-16 2e-07
7: 3.7794e+00 3.7794e+00 7e-08 2e-08 9e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.4335e+00 1.4313e+00 6e+00 2e+00 3e-16 2e-01
2: 2.9017e+00 2.9007e+00 1e+00 4e-01 1e-15 4e-02
3: 3.1669e+00 3.1660e+00 6e-01 2e-01 2e-15 2e-02
4: 3.3357e+00 3.3354e+00 1e-01 4e-02 1e-15 4e-03
5: 3.3598e+00 3.3598e+00 3e-02 9e-03 2e-15 7e-04
6: 3.3660e+00 3.3660e+00 4e-03 1e-03 8e-15 9e-05
7: 3.3670e+00 3.3670e+00 2e-04 5e-05 9e-16 4e-06
8: 3.3671e+00 3.3671e+00 2e-06 5e-07 7e-15 4e-08
9: 3.3671e+00 3.3671e+00 2e-08 5e-09 7e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.0046e+00 3.0039e+00 6e+00 2e+00 2e-16 2e-01
2: 4.7503e+00 4.7501e+00 1e+00 4e-01 2e-15 3e-02
3: 4.9478e+00 4.9477e+00 2e-01 6e-02 2e-15 5e-03
4: 4.9994e+00 4.9994e+00 2e-03 7e-04 6e-16 5e-05
5: 5.0000e+00 5.0000e+00 2e-05 7e-06 6e-16 5e-07
6: 5.0000e+00 5.0000e+00 2e-07 7e-08 6e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.2283e+00 2.2272e+00 6e+00 2e+00 3e-16 2e-01
2: 3.8944e+00 3.8940e+00 1e+00 5e-01 2e-15 4e-02
3: 4.4629e+00 4.4628e+00 4e-01 1e-01 7e-16 9e-03
4: 4.5541e+00 4.5540e+00 7e-02 2e-02 2e-15 2e-03
5: 4.5712e+00 4.5712e+00 1e-02 3e-03 6e-15 2e-04
6: 4.5740e+00 4.5740e+00 8e-04 3e-04 1e-15 2e-05
7: 4.5742e+00 4.5742e+00 9e-06 3e-06 2e-15 2e-07
8: 4.5742e+00 4.5742e+00 9e-08 3e-08 4e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.6946e+00 1.6913e+00 5e+00 2e+00 2e-16 2e-01
2: 3.2675e+00 3.2651e+00 2e+00 6e-01 2e-15 6e-02

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3:	3.6771e+00	3.6763e+00	4e-01	1e-01	2e-15	1e-02
4:	3.8259e+00	3.8257e+00	9e-02	3e-02	2e-15	2e-03
5:	3.8371e+00	3.8370e+00	3e-02	1e-02	8e-15	9e-04
6:	3.8488e+00	3.8488e+00	2e-03	5e-04	1e-15	4e-05
7:	3.8495e+00	3.8495e+00	2e-05	5e-06	5e-16	4e-07
8:	3.8495e+00	3.8495e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6922e+00	2.6908e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5223e+00	4.5218e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9411e+00	4.9410e+00	4e-01	1e-01	1e-15	1e-02
4:	4.9738e+00	4.9737e+00	1e-01	3e-02	1e-14	2e-03
5:	4.9997e+00	4.9997e+00	1e-03	3e-04	6e-16	3e-05
6:	5.0000e+00	5.0000e+00	1e-05	3e-06	9e-16	3e-07
7:	5.0000e+00	5.0000e+00	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.9012e+00	1.8984e+00	5e+00	1e+00	2e-16	2e-01
2:	4.1993e+00	4.1972e+00	1e+00	4e-01	2e-15	4e-02
3:	4.4905e+00	4.4900e+00	2e-01	5e-02	2e-15	5e-03
4:	4.5358e+00	4.5357e+00	3e-02	8e-03	4e-15	8e-04
5:	4.5397e+00	4.5397e+00	6e-03	2e-03	7e-14	2e-04
6:	4.5414e+00	4.5414e+00	6e-05	2e-05	3e-15	2e-06
7:	4.5415e+00	4.5415e+00	6e-07	2e-07	3e-15	2e-08
8:	4.5415e+00	4.5415e+00	6e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0006e+00	1.9977e+00	6e+00	2e+00	3e-16	2e-01
2:	4.2906e+00	4.2894e+00	1e+00	4e-01	1e-15	4e-02
3:	4.5125e+00	4.5120e+00	3e-01	1e-01	2e-15	8e-03
4:	4.5979e+00	4.5979e+00	4e-02	1e-02	9e-16	1e-03
5:	4.6110e+00	4.6109e+00	8e-03	3e-03	1e-15	2e-04
6:	4.6131e+00	4.6131e+00	1e-04	3e-05	3e-15	3e-06
7:	4.6132e+00	4.6132e+00	1e-06	3e-07	2e-15	3e-08
8:	4.6132e+00	4.6132e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2914e+00	1.2881e+00	5e+00	2e+00	3e-16	2e-01
2:	2.9495e+00	2.9476e+00	1e+00	4e-01	2e-15	4e-02
3:	3.3026e+00	3.3021e+00	3e-01	1e-01	8e-16	1e-02
4:	3.3835e+00	3.3835e+00	4e-02	1e-02	1e-15	1e-03
5:	3.3916e+00	3.3916e+00	1e-03	3e-04	2e-15	3e-05
6:	3.3918e+00	3.3918e+00	1e-05	3e-06	2e-15	3e-07
7:	3.3918e+00	3.3918e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2289e+00	1.2261e+00	5e+00	1e+00	2e-16	2e-01
2:	3.1999e+00	3.1977e+00	1e+00	4e-01	1e-15	4e-02
3:	3.4088e+00	3.4078e+00	3e-01	8e-02	2e-15	8e-03
4:	3.4769e+00	3.4763e+00	1e-01	3e-02	2e-15	3e-03
5:	3.4877e+00	3.4875e+00	3e-02	1e-02	1e-14	9e-04
6:	3.4963e+00	3.4963e+00	2e-03	8e-04	2e-15	6e-05
7:	3.4968e+00	3.4968e+00	2e-05	8e-06	7e-15	6e-07
8:	3.4968e+00	3.4968e+00	2e-07	8e-08	7e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5839e+00	2.5849e+00	7e+00	2e+00	2e-16	2e-01
2:	4.4409e+00	4.4412e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9021e+00	4.9023e+00	6e-01	2e-01	1e-15	2e-02
4:	4.9844e+00	4.9844e+00	6e-02	2e-02	4e-15	1e-03
5:	4.9998e+00	4.9998e+00	6e-04	2e-04	6e-16	1e-05
6:	5.0000e+00	5.0000e+00	6e-06	2e-06	4e-16	1e-07
7:	5.0000e+00	5.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7455e+00	2.7440e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6129e+00	4.6124e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9215e+00	4.9214e+00	2e-01	7e-02	1e-15	5e-03
4:	4.9867e+00	4.9867e+00	4e-02	1e-02	2e-15	1e-03
5:	4.9930e+00	4.9930e+00	1e-02	4e-03	1e-14	3e-04
6:	4.9981e+00	4.9981e+00	5e-04	1e-04	9e-15	1e-05
7:	4.9982e+00	4.9982e+00	5e-06	2e-06	3e-13	1e-07
8:	4.9982e+00	4.9982e+00	5e-08	2e-08	2e-13	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8928e+00	1.8895e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9168e+00	3.9152e+00	1e+00	4e-01	3e-15	4e-02
3:	4.2776e+00	4.2771e+00	3e-01	8e-02	2e-15	8e-03
4:	4.3389e+00	4.3387e+00	7e-02	2e-02	3e-15	2e-03
5:	4.3546e+00	4.3546e+00	2e-02	5e-03	4e-15	4e-04
6:	4.3593e+00	4.3593e+00	1e-03	4e-04	2e-15	3e-05
7:	4.3596e+00	4.3596e+00	1e-05	4e-06	7e-15	3e-07
8:	4.3596e+00	4.3596e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6466e+00	1.6433e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2244e+00	3.2231e+00	1e+00	4e-01	2e-15	4e-02

3:	3.6705e+00	3.6699e+00	3e-01	9e-02	1e-15	8e-03
4:	3.7225e+00	3.7223e+00	7e-02	2e-02	2e-15	2e-03
5:	3.7461e+00	3.7460e+00	1e-02	4e-03	1e-15	3e-04
6:	3.7482e+00	3.7482e+00	2e-03	8e-04	4e-14	7e-05
7:	3.7487e+00	3.7487e+00	6e-05	2e-05	4e-14	2e-06
8:	3.7487e+00	3.7487e+00	6e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8693e+00	2.8679e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6344e+00	4.6337e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9831e+00	4.9830e+00	9e-02	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	5e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7248e+00	2.7252e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3341e+00	4.3343e+00	2e+00	6e-01	1e-15	4e-02
3:	4.8438e+00	4.8439e+00	3e-01	9e-02	1e-15	7e-03
4:	4.9457e+00	4.9457e+00	7e-02	2e-02	2e-15	2e-03
5:	4.9668e+00	4.9668e+00	4e-03	1e-03	6e-15	9e-05
6:	4.9678e+00	4.9678e+00	4e-05	1e-05	2e-15	9e-07
7:	4.9678e+00	4.9678e+00	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4728e+00	2.4696e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8504e+00	4.8493e+00	8e-01	3e-01	2e-15	2e-02
3:	4.9738e+00	4.9733e+00	2e-01	6e-02	7e-15	5e-03
4:	4.9997e+00	4.9997e+00	2e-03	7e-04	3e-15	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	3e-15	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7089e+00	1.7080e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7601e+00	3.7598e+00	1e+00	4e-01	7e-16	4e-02
3:	4.0307e+00	4.0306e+00	3e-01	1e-01	1e-15	9e-03
4:	4.1484e+00	4.1484e+00	5e-02	2e-02	2e-15	1e-03
5:	4.1578e+00	4.1578e+00	1e-02	3e-03	2e-14	2e-04
6:	4.1600e+00	4.1600e+00	2e-03	8e-04	5e-15	6e-05
7:	4.1606e+00	4.1606e+00	3e-05	9e-06	5e-15	7e-07
8:	4.1606e+00	4.1606e+00	3e-07	9e-08	8e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	8.7267e-01	8.7014e-01	4e+00	1e+00	3e-16	2e-01
2:	2.3685e+00	2.3666e+00	8e-01	3e-01	1e-15	3e-02
3:	2.5951e+00	2.5944e+00	2e-01	6e-02	1e-15	7e-03
4:	2.6634e+00	2.6632e+00	4e-02	1e-02	7e-16	1e-03
5:	2.6730e+00	2.6730e+00	3e-03	1e-03	5e-15	8e-05
6:	2.6739e+00	2.6739e+00	3e-05	1e-05	2e-15	8e-07
7:	2.6739e+00	2.6739e+00	3e-07	1e-07	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6507e+00	1.6475e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3503e+00	3.3489e+00	1e+00	4e-01	9e-16	4e-02
3:	3.8581e+00	3.8577e+00	3e-01	1e-01	1e-15	9e-03
4:	3.9308e+00	3.9305e+00	1e-01	3e-02	5e-15	3e-03
5:	3.9594e+00	3.9594e+00	4e-03	1e-03	2e-15	1e-04
6:	3.9607e+00	3.9607e+00	4e-05	1e-05	5e-16	1e-06
7:	3.9607e+00	3.9607e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5591e+00	2.5584e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5767e+00	4.5764e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9277e+00	4.9276e+00	4e-01	1e-01	8e-16	1e-02
4:	4.9884e+00	4.9884e+00	1e-01	4e-02	5e-15	3e-03
5:	4.9991e+00	4.9991e+00	4e-03	1e-03	7e-15	1e-04
6:	5.0000e+00	5.0000e+00	4e-05	1e-05	3e-15	1e-06
7:	5.0000e+00	5.0000e+00	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4477e+00	2.4461e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7464e+00	4.7457e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9637e+00	4.9634e+00	2e-01	8e-02	3e-15	6e-03
4:	4.9996e+00	4.9996e+00	3e-03	8e-04	1e-15	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	8e-06	1e-15	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0302e+00	2.0277e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8069e+00	3.8058e+00	1e+00	4e-01	2e-15	4e-02
3:	4.2850e+00	4.2848e+00	2e-01	6e-02	3e-15	5e-03
4:	4.3399e+00	4.3399e+00	3e-02	1e-02	1e-15	8e-04
5:	4.3475e+00	4.3475e+00	4e-04	1e-04	3e-15	1e-05
6:	4.3476e+00	4.3476e+00	4e-06	1e-06	3e-15	1e-07
7:	4.3476e+00	4.3476e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8695e+00	1.8666e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2142e+00	3.2132e+00	1e+00	4e-01	1e-15	4e-02
3:	3.6357e+00	3.6352e+00	4e-01	1e-01	3e-15	1e-02
4:	3.7662e+00	3.7661e+00	9e-02	3e-02	2e-15	3e-03
5:	3.7799e+00	3.7798e+00	4e-02	1e-02	6e-15	1e-03
6:	3.7915e+00	3.7915e+00	4e-03	1e-03	2e-15	9e-05
7:	3.7928e+00	3.7928e+00	6e-05	2e-05	5e-16	2e-06
8:	3.7928e+00	3.7928e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1409e+00	3.1412e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7510e+00	4.7511e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9920e+00	4.9920e+00	4e-02	1e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9985e+00	1.9963e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9354e+00	3.9346e+00	1e+00	4e-01	8e-16	4e-02
3:	4.3469e+00	4.3467e+00	2e-01	7e-02	1e-15	6e-03
4:	4.4098e+00	4.4098e+00	1e-02	4e-03	1e-15	3e-04
5:	4.4131e+00	4.4131e+00	1e-04	4e-05	2e-15	3e-06
6:	4.4132e+00	4.4132e+00	1e-06	4e-07	1e-15	3e-08
7:	4.4132e+00	4.4132e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1579e+00	2.1546e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1163e+00	4.1149e+00	1e+00	4e-01	1e-15	4e-02
3:	4.5394e+00	4.5390e+00	3e-01	1e-01	2e-15	9e-03
4:	4.6141e+00	4.6140e+00	5e-02	2e-02	2e-15	2e-03
5:	4.6339e+00	4.6339e+00	1e-03	3e-04	2e-15	3e-05
6:	4.6343e+00	4.6343e+00	1e-05	3e-06	1e-15	3e-07
7:	4.6343e+00	4.6343e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1423e+00	2.1405e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7267e+00	3.7260e+00	1e+00	5e-01	2e-15	4e-02
3:	4.1396e+00	4.1395e+00	3e-01	8e-02	1e-15	7e-03
4:	4.1722e+00	4.1721e+00	1e-01	3e-02	3e-15	3e-03
5:	4.2065e+00	4.2065e+00	5e-03	1e-03	6e-16	1e-04
6:	4.2081e+00	4.2081e+00	5e-05	1e-05	9e-16	1e-06
7:	4.2081e+00	4.2081e+00	5e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7407e+00	2.7398e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8005e+00	4.8001e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9477e+00	4.9476e+00	3e-01	8e-02	4e-15	6e-03
4:	4.9994e+00	4.9994e+00	3e-03	1e-03	5e-16	9e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	6e-16	9e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4614e+00	2.4624e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2911e+00	4.2915e+00	1e+00	4e-01	3e-15	3e-02
3:	4.6585e+00	4.6587e+00	4e-01	1e-01	1e-15	1e-02
4:	4.7264e+00	4.7264e+00	1e-01	4e-02	2e-15	3e-03
5:	4.7601e+00	4.7602e+00	2e-02	5e-03	2e-15	4e-04
6:	4.7639e+00	4.7639e+00	2e-04	6e-05	1e-15	5e-06
7:	4.7640e+00	4.7640e+00	2e-06	6e-07	1e-15	5e-08
8:	4.7640e+00	4.7640e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8089e+00	1.8055e+00	5e+00	2e+00	2e-16	2e-01
2:	4.0721e+00	4.0706e+00	1e+00	3e-01	9e-16	3e-02
3:	4.2903e+00	4.2890e+00	3e-01	1e-01	3e-15	9e-03
4:	4.3807e+00	4.3804e+00	7e-02	2e-02	3e-15	2e-03
5:	4.4004e+00	4.4003e+00	1e-02	3e-03	4e-15	3e-04
6:	4.4037e+00	4.4037e+00	5e-04	2e-04	1e-15	1e-05
7:	4.4039e+00	4.4039e+00	6e-06	2e-06	1e-15	2e-07
8:	4.4039e+00	4.4039e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0007e+00	1.9988e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2258e+00	4.2252e+00	1e+00	4e-01	1e-15	3e-02
3:	4.4856e+00	4.4854e+00	3e-01	8e-02	1e-15	7e-03
4:	4.5364e+00	4.5364e+00	5e-02	1e-02	2e-15	1e-03
5:	4.5490e+00	4.5490e+00	5e-03	2e-03	5e-16	1e-04
6:	4.5503e+00	4.5503e+00	9e-05	3e-05	2e-15	2e-06
7:	4.5503e+00	4.5503e+00	9e-07	3e-07	1e-15	2e-08
8:	4.5503e+00	4.5503e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2301e+00	2.2268e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4639e+00	4.4625e+00	1e+00	4e-01	2e-15	4e-02
3:	4.7358e+00	4.7352e+00	3e-01	1e-01	2e-15	9e-03

4:	4.8280e+00	4.8278e+00	7e-02	2e-02	2e-15	2e-03
5:	4.8402e+00	4.8401e+00	2e-02	7e-03	5e-15	6e-04
6:	4.8472e+00	4.8472e+00	6e-04	2e-04	1e-15	2e-05
7:	4.8473e+00	4.8473e+00	6e-06	2e-06	1e-15	2e-07
8:	4.8473e+00	4.8473e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8037e+00	2.8013e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8370e+00	4.8361e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9938e+00	4.9938e+00	3e-02	1e-02	2e-15	8e-04
4:	4.9999e+00	4.9999e+00	3e-04	1e-04	5e-16	8e-06
5:	5.0000e+00	5.0000e+00	3e-06	1e-06	7e-16	8e-08
6:	5.0000e+00	5.0000e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3592e+00	2.3558e+00	5e+00	2e+00	3e-16	2e-01
2:	4.3329e+00	4.3316e+00	1e+00	4e-01	2e-15	3e-02
3:	4.6799e+00	4.6793e+00	4e-01	1e-01	2e-15	1e-02
4:	4.7678e+00	4.7675e+00	1e-01	4e-02	4e-15	4e-03
5:	4.7986e+00	4.7986e+00	2e-02	6e-03	3e-15	5e-04
6:	4.8030e+00	4.8029e+00	3e-03	9e-04	3e-15	8e-05
7:	4.8035e+00	4.8035e+00	3e-05	9e-06	4e-15	8e-07
8:	4.8036e+00	4.8036e+00	3e-07	9e-08	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6796e+00	1.6774e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2308e+00	3.2298e+00	1e+00	4e-01	9e-16	4e-02
3:	3.6218e+00	3.6215e+00	3e-01	9e-02	1e-15	8e-03
4:	3.7038e+00	3.7038e+00	5e-02	2e-02	1e-15	1e-03
5:	3.7172e+00	3.7172e+00	1e-02	4e-03	3e-15	3e-04
6:	3.7193e+00	3.7193e+00	3e-03	9e-04	3e-14	7e-05
7:	3.7201e+00	3.7201e+00	7e-05	2e-05	2e-15	2e-06
8:	3.7201e+00	3.7201e+00	7e-07	2e-07	1e-14	2e-08
9:	3.7201e+00	3.7201e+00	7e-09	2e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8195e+00	1.8162e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8233e+00	3.8214e+00	1e+00	4e-01	9e-16	3e-02
3:	4.1834e+00	4.1827e+00	3e-01	8e-02	2e-15	7e-03
4:	4.2407e+00	4.2406e+00	4e-02	1e-02	3e-15	1e-03
5:	4.2509e+00	4.2509e+00	2e-03	5e-04	1e-15	4e-05
6:	4.2512e+00	4.2512e+00	2e-05	5e-06	3e-15	4e-07
7:	4.2512e+00	4.2512e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5903e+00	1.5876e+00	5e+00	1e+00	2e-16	2e-01
2:	3.6251e+00	3.6229e+00	1e+00	5e-01	1e-15	5e-02
3:	3.9724e+00	3.9701e+00	4e-01	1e-01	2e-15	1e-02
4:	4.0922e+00	4.0915e+00	8e-02	3e-02	8e-16	2e-03
5:	4.1099e+00	4.1098e+00	7e-03	2e-03	3e-15	2e-04
6:	4.1116e+00	4.1116e+00	5e-04	2e-04	2e-14	1e-05
7:	4.1118e+00	4.1118e+00	5e-06	2e-06	8e-14	1e-07
8:	4.1118e+00	4.1118e+00	5e-08	2e-08	5e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1801e+00	2.1782e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1426e+00	4.1418e+00	1e+00	4e-01	1e-15	3e-02
3:	4.4482e+00	4.4478e+00	5e-01	1e-01	1e-15	1e-02
4:	4.5334e+00	4.5333e+00	8e-02	2e-02	9e-16	2e-03
5:	4.5551e+00	4.5551e+00	8e-03	2e-03	8e-16	2e-04
6:	4.5572e+00	4.5572e+00	8e-05	3e-05	1e-15	2e-06
7:	4.5572e+00	4.5572e+00	8e-07	3e-07	8e-16	2e-08
8:	4.5572e+00	4.5572e+00	8e-09	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6842e+00	2.6819e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7367e+00	4.7359e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9641e+00	4.9638e+00	2e-01	6e-02	4e-15	5e-03
4:	4.9996e+00	4.9996e+00	2e-03	6e-04	1e-15	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	1e-15	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7309e+00	2.7317e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6106e+00	4.6109e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9421e+00	4.9422e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9979e+00	4.9979e+00	1e-02	4e-03	4e-15	3e-04
5:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	5.0000e+00	5.0000e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9374e+00	2.9342e+00	5e+00	2e+00	2e-16	2e-01
2:	4.7457e+00	4.7445e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9894e+00	4.9892e+00	7e-02	2e-02	3e-15	2e-03
4:	4.9999e+00	4.9999e+00	7e-04	2e-04	9e-16	2e-05
5:	5.0000e+00	5.0000e+00	7e-06	2e-06	8e-16	2e-07

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6: 5.0000e+00 5.0000e+00 7e-08 2e-08 9e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1472e+00 3.1460e+00 6e+00 2e+00 2e-16 2e-01
2: 4.5821e+00 4.5817e+00 2e+00 5e-01 3e-15 4e-02
3: 4.9342e+00 4.9340e+00 2e-01 8e-02 2e-15 6e-03
4: 4.9993e+00 4.9993e+00 3e-03 9e-04 5e-16 8e-05
5: 5.0000e+00 5.0000e+00 3e-05 9e-06 4e-16 8e-07
6: 5.0000e+00 5.0000e+00 3e-07 9e-08 4e-16 8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.5393e+00 1.5363e+00 6e+00 2e+00 2e-16 2e-01
2: 3.2085e+00 3.2074e+00 1e+00 4e-01 1e-15 4e-02
3: 3.6580e+00 3.6578e+00 2e-01 7e-02 6e-16 6e-03
4: 3.7144e+00 3.7143e+00 2e-02 8e-03 3e-15 6e-04
5: 3.7201e+00 3.7201e+00 5e-03 1e-03 2e-14 1e-04
6: 3.7215e+00 3.7215e+00 8e-04 2e-04 4e-14 2e-05
7: 3.7217e+00 3.7217e+00 2e-05 6e-06 1e-13 5e-07
8: 3.7217e+00 3.7217e+00 2e-07 6e-08 5e-14 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.4854e+00 1.4828e+00 6e+00 2e+00 2e-16 2e-01
2: 2.9038e+00 2.9024e+00 2e+00 6e-01 3e-15 5e-02
3: 3.2517e+00 3.2510e+00 5e-01 2e-01 1e-15 1e-02
4: 3.3563e+00 3.3560e+00 2e-01 5e-02 8e-16 4e-03
5: 3.3927e+00 3.3926e+00 2e-02 7e-03 8e-16 6e-04
6: 3.3989e+00 3.3989e+00 1e-03 4e-04 1e-15 3e-05
7: 3.3992e+00 3.3992e+00 1e-05 4e-06 1e-15 3e-07
8: 3.3992e+00 3.3992e+00 1e-07 4e-08 9e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 7.7746e-01 7.7473e-01 5e+00 1e+00 2e-16 2e-01
2: 2.1166e+00 2.1145e+00 1e+00 3e-01 1e-15 3e-02
3: 2.3612e+00 2.3603e+00 3e-01 1e-01 1e-15 1e-02
4: 2.4082e+00 2.4078e+00 7e-02 2e-02 5e-15 2e-03
5: 2.4254e+00 2.4254e+00 6e-03 2e-03 1e-15 2e-04
6: 2.4267e+00 2.4267e+00 6e-04 2e-04 2e-15 2e-05
7: 2.4268e+00 2.4268e+00 2e-05 6e-06 5e-16 5e-07
8: 2.4268e+00 2.4268e+00 2e-07 6e-08 6e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8540e+00 2.8525e+00 6e+00 2e+00 2e-16 2e-01
2: 4.7565e+00 4.7559e+00 1e+00 5e-01 2e-15 4e-02

```

3:	4.9517e+00	4.9514e+00	2e-01	6e-02	2e-15	5e-03
4:	4.9995e+00	4.9995e+00	2e-03	7e-04	5e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	5e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5845e+00	1.5813e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2438e+00	3.2424e+00	1e+00	4e-01	2e-15	4e-02
3:	3.5924e+00	3.5921e+00	2e-01	7e-02	1e-15	6e-03
4:	3.6458e+00	3.6457e+00	2e-02	6e-03	3e-15	5e-04
5:	3.6512e+00	3.6512e+00	5e-03	2e-03	2e-15	1e-04
6:	3.6524e+00	3.6524e+00	1e-04	3e-05	7e-15	3e-06
7:	3.6525e+00	3.6525e+00	1e-06	3e-07	3e-15	3e-08
8:	3.6525e+00	3.6525e+00	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6442e+00	1.6410e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3330e+00	3.3316e+00	1e+00	4e-01	3e-15	3e-02
3:	3.6644e+00	3.6640e+00	3e-01	8e-02	7e-16	7e-03
4:	3.7367e+00	3.7366e+00	4e-02	1e-02	8e-16	1e-03
5:	3.7460e+00	3.7460e+00	7e-03	2e-03	6e-15	2e-04
6:	3.7471e+00	3.7471e+00	9e-04	3e-04	4e-14	2e-05
7:	3.7474e+00	3.7474e+00	1e-05	4e-06	2e-15	3e-07
8:	3.7474e+00	3.7474e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0589e+00	2.0556e+00	5e+00	2e+00	3e-16	2e-01
2:	3.9880e+00	3.9867e+00	1e+00	3e-01	1e-15	3e-02
3:	4.2449e+00	4.2447e+00	1e-01	4e-02	2e-15	3e-03
4:	4.2755e+00	4.2755e+00	2e-02	5e-03	1e-15	4e-04
5:	4.2813e+00	4.2813e+00	4e-04	1e-04	2e-15	1e-05
6:	4.2815e+00	4.2815e+00	4e-06	1e-06	2e-15	1e-07
7:	4.2815e+00	4.2815e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3124e+00	2.3125e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6942e+00	3.6942e+00	1e+00	5e-01	9e-16	4e-02
3:	4.4108e+00	4.4109e+00	2e-01	6e-02	1e-15	5e-03
4:	4.4406e+00	4.4407e+00	9e-02	3e-02	4e-15	2e-03
5:	4.4721e+00	4.4721e+00	5e-03	1e-03	1e-15	1e-04
6:	4.4735e+00	4.4735e+00	1e-04	4e-05	4e-14	3e-06
7:	4.4735e+00	4.4735e+00	1e-06	4e-07	1e-14	3e-08
8:	4.4735e+00	4.4735e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0421e+00	2.0398e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0997e+00	4.0987e+00	1e+00	4e-01	1e-15	4e-02
3:	4.5050e+00	4.5047e+00	4e-01	1e-01	7e-16	1e-02
4:	4.5789e+00	4.5788e+00	7e-02	2e-02	3e-15	2e-03
5:	4.5979e+00	4.5979e+00	1e-02	3e-03	2e-15	3e-04
6:	4.6009e+00	4.6009e+00	4e-04	1e-04	9e-16	1e-05
7:	4.6010e+00	4.6010e+00	4e-06	1e-06	1e-15	1e-07
8:	4.6010e+00	4.6010e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2631e+00	2.2620e+00	6e+00	2e+00	2e-16	1e-01
2:	3.8262e+00	3.8258e+00	1e+00	4e-01	1e-15	3e-02
3:	4.3835e+00	4.3834e+00	2e-01	8e-02	1e-15	6e-03
4:	4.4374e+00	4.4374e+00	7e-02	2e-02	2e-15	2e-03
5:	4.4543e+00	4.4543e+00	4e-03	1e-03	3e-15	1e-04
6:	4.4555e+00	4.4555e+00	4e-05	1e-05	1e-15	1e-06
7:	4.4555e+00	4.4555e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4079e+00	2.4052e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3229e+00	4.3217e+00	2e+00	5e-01	3e-15	4e-02
3:	4.8316e+00	4.8313e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9244e+00	4.9242e+00	9e-02	3e-02	4e-15	2e-03
5:	4.9423e+00	4.9422e+00	2e-02	7e-03	9e-15	6e-04
6:	4.9499e+00	4.9499e+00	6e-04	2e-04	1e-15	1e-05
7:	4.9500e+00	4.9500e+00	6e-06	2e-06	3e-15	1e-07
8:	4.9500e+00	4.9500e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1714e+00	2.1681e+00	5e+00	2e+00	2e-16	2e-01
2:	4.4256e+00	4.4241e+00	1e+00	4e-01	1e-15	4e-02
3:	4.7996e+00	4.7994e+00	2e-01	5e-02	2e-15	5e-03
4:	4.8493e+00	4.8493e+00	3e-02	9e-03	4e-15	8e-04
5:	4.8554e+00	4.8554e+00	3e-03	1e-03	3e-14	1e-04
6:	4.8565e+00	4.8565e+00	1e-04	3e-05	2e-15	3e-06
7:	4.8566e+00	4.8566e+00	1e-06	3e-07	8e-15	3e-08
8:	4.8566e+00	4.8566e+00	1e-08	3e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0279e+00	3.0263e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0399e+00	5.0392e+00	2e+00	6e-01	7e-16	5e-02
3:	5.5655e+00	5.5653e+00	3e-01	1e-01	1e-15	9e-03

4:	5.6675e+00	5.6675e+00	5e-02	1e-02	2e-15	1e-03
5:	5.6845e+00	5.6845e+00	1e-02	3e-03	6e-15	3e-04
6:	5.6872e+00	5.6872e+00	3e-04	1e-04	1e-14	8e-06
7:	5.6873e+00	5.6873e+00	3e-06	1e-06	3e-15	8e-08
8:	5.6873e+00	5.6873e+00	3e-08	1e-08	4e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.7936e+00	1.7904e+00	5e+00	2e+00	3e-16	2e-01
2:	4.1045e+00	4.1027e+00	9e-01	3e-01	1e-15	3e-02
3:	4.3764e+00	4.3759e+00	1e-01	5e-02	3e-15	4e-03
4:	4.3983e+00	4.3982e+00	4e-02	1e-02	5e-15	1e-03
5:	4.4058e+00	4.4058e+00	2e-03	5e-04	9e-15	5e-05
6:	4.4063e+00	4.4063e+00	2e-04	7e-05	2e-15	6e-06
7:	4.4064e+00	4.4064e+00	3e-06	1e-06	7e-15	9e-08
8:	4.4064e+00	4.4064e+00	3e-08	1e-08	6e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3713e+00	2.3720e+00	6e+00	2e+00	2e-16	1e-01
2:	4.3383e+00	4.3386e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9026e+00	4.9026e+00	2e-01	6e-02	5e-16	5e-03
4:	4.9424e+00	4.9424e+00	3e-02	1e-02	3e-15	8e-04
5:	4.9512e+00	4.9512e+00	6e-04	2e-04	5e-15	2e-05
6:	4.9514e+00	4.9514e+00	6e-06	2e-06	2e-15	2e-07
7:	4.9514e+00	4.9514e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9031e+00	3.9041e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7524e+00	5.7526e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9713e+00	5.9714e+00	1e-01	3e-02	4e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	3e-04	6e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5673e+00	1.5641e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6853e+00	3.6836e+00	9e-01	3e-01	2e-15	3e-02
3:	3.8874e+00	3.8868e+00	2e-01	5e-02	3e-15	5e-03
4:	3.9043e+00	3.9041e+00	4e-02	1e-02	4e-15	1e-03
5:	3.9147e+00	3.9146e+00	6e-03	2e-03	2e-15	2e-04
6:	3.9157e+00	3.9157e+00	1e-04	4e-05	1e-14	3e-06
7:	3.9158e+00	3.9158e+00	1e-06	4e-07	1e-14	3e-08
8:	3.9158e+00	3.9158e+00	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7331e+00	2.7352e+00	7e+00	2e+00	3e-16	2e-01
2:	5.1172e+00	5.1181e+00	2e+00	5e-01	1e-15	4e-02
3:	5.4360e+00	5.4362e+00	4e-01	1e-01	1e-15	1e-02
4:	5.5268e+00	5.5269e+00	6e-02	2e-02	1e-15	1e-03
5:	5.5331e+00	5.5332e+00	2e-02	5e-03	1e-14	4e-04
6:	5.5378e+00	5.5378e+00	3e-04	1e-04	1e-15	8e-06
7:	5.5379e+00	5.5379e+00	3e-06	1e-06	2e-15	8e-08
8:	5.5379e+00	5.5379e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9509e+00	2.9493e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4132e+00	5.4125e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9136e+00	5.9133e+00	5e-01	2e-01	1e-15	1e-02
4:	5.9811e+00	5.9810e+00	6e-02	2e-02	7e-15	2e-03
5:	5.9998e+00	5.9998e+00	7e-04	2e-04	6e-16	2e-05
6:	6.0000e+00	6.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	6.0000e+00	6.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0461e+00	2.0461e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0712e+00	4.0712e+00	9e-01	3e-01	8e-16	2e-02
3:	4.2642e+00	4.2642e+00	2e-01	8e-02	1e-15	6e-03
4:	4.3409e+00	4.3409e+00	1e-02	4e-03	5e-16	3e-04
5:	4.3440e+00	4.3440e+00	1e-03	4e-04	1e-14	3e-05
6:	4.3442e+00	4.3442e+00	3e-04	1e-04	4e-13	9e-06
7:	4.3443e+00	4.3443e+00	4e-06	1e-06	7e-15	9e-08
8:	4.3443e+00	4.3443e+00	4e-08	1e-08	1e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8389e+00	2.8359e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5729e+00	5.5715e+00	1e+00	4e-01	2e-15	4e-02
3:	5.8061e+00	5.8053e+00	4e-01	1e-01	2e-15	1e-02
4:	5.9527e+00	5.9526e+00	6e-02	2e-02	3e-15	2e-03
5:	5.9741e+00	5.9740e+00	1e-02	4e-03	1e-14	3e-04
6:	5.9770e+00	5.9770e+00	1e-03	3e-04	6e-14	3e-05
7:	5.9774e+00	5.9774e+00	1e-05	3e-06	6e-15	3e-07
8:	5.9774e+00	5.9774e+00	1e-07	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8057e+00	2.8035e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7236e+00	4.7227e+00	2e+00	5e-01	4e-15	4e-02
3:	5.0564e+00	5.0562e+00	4e-01	1e-01	1e-15	1e-02
4:	5.1757e+00	5.1755e+00	1e-01	3e-02	1e-15	3e-03

5:	5.1983e+00	5.1982e+00	2e-02	5e-03	3e-15	4e-04
6:	5.2030e+00	5.2030e+00	2e-03	8e-04	1e-15	6e-05
7:	5.2036e+00	5.2036e+00	4e-05	1e-05	5e-15	1e-06
8:	5.2037e+00	5.2037e+00	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8195e+00	1.8173e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5515e+00	3.5504e+00	2e+00	6e-01	1e-15	5e-02
3:	3.8404e+00	3.8393e+00	9e-01	3e-01	3e-15	2e-02
4:	3.9824e+00	3.9822e+00	1e-01	4e-02	3e-15	3e-03
5:	4.0205e+00	4.0204e+00	3e-02	1e-02	1e-15	9e-04
6:	4.0281e+00	4.0281e+00	5e-04	2e-04	9e-16	1e-05
7:	4.0282e+00	4.0282e+00	5e-06	2e-06	7e-16	1e-07
8:	4.0282e+00	4.0282e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9206e+00	2.9201e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3504e+00	5.3502e+00	1e+00	5e-01	1e-15	4e-02
3:	5.6549e+00	5.6548e+00	5e-01	2e-01	3e-15	1e-02
4:	5.7853e+00	5.7853e+00	1e-01	4e-02	1e-15	3e-03
5:	5.8163e+00	5.8163e+00	1e-02	3e-03	1e-15	3e-04
6:	5.8188e+00	5.8188e+00	8e-04	2e-04	7e-15	2e-05
7:	5.8190e+00	5.8190e+00	8e-06	2e-06	2e-15	2e-07
8:	5.8190e+00	5.8190e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.9501e+00	2.9559e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7919e+00	5.7937e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9570e+00	5.9575e+00	2e-01	5e-02	3e-15	4e-03
4:	5.9995e+00	5.9995e+00	2e-03	7e-04	8e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	7e-06	1e-15	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6583e+00	1.6581e+00	6e+00	2e+00	2e-16	1e-01
2:	3.4129e+00	3.4128e+00	1e+00	4e-01	7e-16	4e-02
3:	3.7491e+00	3.7490e+00	5e-01	1e-01	1e-15	1e-02
4:	3.8159e+00	3.8159e+00	1e-01	3e-02	3e-15	3e-03
5:	3.8407e+00	3.8407e+00	2e-02	7e-03	2e-15	6e-04
6:	3.8462e+00	3.8462e+00	3e-03	9e-04	1e-15	7e-05
7:	3.8468e+00	3.8468e+00	3e-05	9e-06	1e-15	7e-07
8:	3.8468e+00	3.8468e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5083e+00	2.5056e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5332e+00	4.5320e+00	2e+00	5e-01	2e-15	4e-02
3:	5.1611e+00	5.1606e+00	4e-01	1e-01	2e-15	1e-02
4:	5.2429e+00	5.2427e+00	9e-02	3e-02	1e-14	2e-03
5:	5.2660e+00	5.2659e+00	2e-02	6e-03	3e-15	5e-04
6:	5.2664e+00	5.2664e+00	2e-02	5e-03	8e-15	4e-04
7:	5.2706e+00	5.2706e+00	7e-04	2e-04	7e-15	2e-05
8:	5.2708e+00	5.2708e+00	7e-06	2e-06	4e-15	2e-07
9:	5.2708e+00	5.2708e+00	7e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1274e+00	2.1277e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0268e+00	4.0269e+00	2e+00	6e-01	1e-15	4e-02
3:	4.4293e+00	4.4293e+00	4e-01	1e-01	6e-16	1e-02
4:	4.5637e+00	4.5637e+00	7e-02	2e-02	2e-15	2e-03
5:	4.5858e+00	4.5858e+00	1e-02	3e-03	9e-16	3e-04
6:	4.5884e+00	4.5884e+00	1e-04	3e-05	1e-15	3e-06
7:	4.5884e+00	4.5884e+00	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7308e+00	2.7280e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7963e+00	4.7954e+00	9e-01	3e-01	2e-15	3e-02
3:	5.0198e+00	5.0195e+00	3e-01	8e-02	1e-15	7e-03
4:	5.0924e+00	5.0923e+00	3e-02	1e-02	3e-15	9e-04
5:	5.1050e+00	5.1049e+00	2e-03	7e-04	5e-15	6e-05
6:	5.1055e+00	5.1055e+00	5e-05	1e-05	9e-14	1e-06
7:	5.1055e+00	5.1055e+00	5e-07	1e-07	5e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0309e+00	3.0306e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0784e+00	5.0783e+00	2e+00	5e-01	1e-15	4e-02
3:	5.5967e+00	5.5966e+00	4e-01	1e-01	2e-15	1e-02
4:	5.6941e+00	5.6941e+00	1e-01	3e-02	3e-15	3e-03
5:	5.7194e+00	5.7194e+00	3e-02	1e-02	8e-15	9e-04
6:	5.7321e+00	5.7321e+00	1e-03	4e-04	2e-15	3e-05
7:	5.7325e+00	5.7325e+00	1e-05	4e-06	2e-15	3e-07
8:	5.7325e+00	5.7325e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1024e+00	4.1034e+00	6e+00	2e+00	3e-16	1e-01
2:	5.5902e+00	5.5906e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9849e+00	5.9849e+00	9e-02	3e-02	1e-15	2e-03
4:	5.9998e+00	5.9998e+00	9e-04	3e-04	3e-16	2e-05



5:	6.0000e+00	6.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	6.0000e+00	6.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4874e+00	3.4852e+00	6e+00	2e+00	3e-16	1e-01
2:	5.3484e+00	5.3475e+00	1e+00	4e-01	2e-15	4e-02
3:	5.8622e+00	5.8618e+00	4e-01	1e-01	9e-16	1e-02
4:	5.9771e+00	5.9770e+00	1e-01	3e-02	2e-15	3e-03
5:	5.9924e+00	5.9923e+00	3e-02	9e-03	3e-14	7e-04
6:	5.9999e+00	5.9999e+00	6e-04	2e-04	4e-15	1e-05
7:	6.0000e+00	6.0000e+00	6e-06	2e-06	4e-14	1e-07
8:	6.0000e+00	6.0000e+00	6e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0208e+00	3.0207e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9182e+00	4.9181e+00	2e+00	5e-01	1e-15	4e-02
3:	5.5434e+00	5.5434e+00	4e-01	1e-01	1e-15	1e-02
4:	5.6282e+00	5.6282e+00	8e-02	3e-02	4e-15	2e-03
5:	5.6429e+00	5.6429e+00	8e-03	3e-03	2e-15	2e-04
6:	5.6447e+00	5.6447e+00	3e-03	9e-04	1e-15	7e-05
7:	5.6454e+00	5.6454e+00	5e-05	2e-05	2e-15	1e-06
8:	5.6454e+00	5.6454e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7592e+00	2.7632e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1168e+00	5.1184e+00	2e+00	6e-01	9e-16	4e-02
3:	5.4747e+00	5.4750e+00	4e-01	1e-01	1e-15	9e-03
4:	5.5634e+00	5.5635e+00	5e-02	2e-02	2e-15	1e-03
5:	5.5784e+00	5.5784e+00	7e-03	2e-03	1e-15	2e-04
6:	5.5800e+00	5.5800e+00	8e-05	3e-05	5e-15	2e-06
7:	5.5800e+00	5.5800e+00	8e-07	3e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5130e+00	2.5112e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3120e+00	4.3112e+00	1e+00	5e-01	3e-15	4e-02
3:	4.8294e+00	4.8293e+00	2e-01	7e-02	8e-16	6e-03
4:	4.8692e+00	4.8691e+00	8e-02	2e-02	5e-15	2e-03
5:	4.8919e+00	4.8919e+00	5e-03	2e-03	1e-15	1e-04
6:	4.8933e+00	4.8933e+00	5e-05	2e-05	2e-15	1e-06
7:	4.8933e+00	4.8933e+00	5e-07	2e-07	2e-15	1e-08
8:	4.8933e+00	4.8933e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.0905e+00	2.0913e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9916e+00	3.9919e+00	2e+00	6e-01	1e-15	5e-02
3:	4.3386e+00	4.3387e+00	4e-01	1e-01	1e-15	9e-03
4:	4.4350e+00	4.4350e+00	4e-02	1e-02	6e-16	1e-03
5:	4.4447e+00	4.4447e+00	5e-03	2e-03	1e-15	1e-04
6:	4.4458e+00	4.4458e+00	5e-05	2e-05	2e-15	1e-06
7:	4.4458e+00	4.4458e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5093e+00	2.5084e+00	6e+00	2e+00	2e-16	1e-01
2:	4.4670e+00	4.4666e+00	2e+00	5e-01	6e-16	4e-02
3:	4.8869e+00	4.8868e+00	3e-01	1e-01	1e-15	8e-03
4:	4.9328e+00	4.9327e+00	6e-02	2e-02	4e-15	2e-03
5:	4.9476e+00	4.9476e+00	2e-02	8e-03	1e-15	6e-04
6:	4.9523e+00	4.9523e+00	3e-04	9e-05	1e-15	7e-06
7:	4.9524e+00	4.9524e+00	3e-06	9e-07	7e-16	7e-08
8:	4.9524e+00	4.9524e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6137e+00	2.6110e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8963e+00	4.8955e+00	8e-01	3e-01	2e-15	2e-02
3:	5.1550e+00	5.1548e+00	2e-01	7e-02	4e-15	6e-03
4:	5.1990e+00	5.1990e+00	5e-02	2e-02	3e-15	1e-03
5:	5.2131e+00	5.2131e+00	1e-02	4e-03	2e-15	3e-04
6:	5.2178e+00	5.2178e+00	4e-04	1e-04	2e-15	9e-06
7:	5.2180e+00	5.2180e+00	4e-06	1e-06	7e-16	9e-08
8:	5.2180e+00	5.2180e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5789e+00	2.5763e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4753e+00	4.4744e+00	1e+00	5e-01	2e-15	4e-02
3:	4.8845e+00	4.8841e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9931e+00	4.9930e+00	5e-02	1e-02	4e-15	1e-03
5:	5.0087e+00	5.0087e+00	8e-03	2e-03	1e-15	2e-04
6:	5.0101e+00	5.0101e+00	2e-03	5e-04	4e-14	4e-05
7:	5.0105e+00	5.0105e+00	3e-05	1e-05	3e-15	8e-07
8:	5.0105e+00	5.0105e+00	3e-07	1e-07	3e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6318e+00	1.6285e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5113e+00	3.5095e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9727e+00	3.9720e+00	4e-01	1e-01	1e-15	1e-02
4:	4.0559e+00	4.0555e+00	1e-01	3e-02	6e-15	3e-03
5:	4.0840e+00	4.0839e+00	2e-02	7e-03	3e-15	7e-04

6:	4.0902e+00	4.0902e+00	2e-03	7e-04	3e-15	6e-05
7:	4.0908e+00	4.0908e+00	3e-05	8e-06	5e-15	7e-07
8:	4.0908e+00	4.0908e+00	3e-07	8e-08	5e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7985e+00	2.7954e+00	5e+00	2e+00	3e-16	2e-01
2:	5.3084e+00	5.3070e+00	1e+00	5e-01	2e-15	4e-02
3:	5.7710e+00	5.7704e+00	3e-01	9e-02	4e-15	8e-03
4:	5.8514e+00	5.8513e+00	4e-02	1e-02	2e-15	1e-03
5:	5.8602e+00	5.8602e+00	8e-03	2e-03	1e-14	2e-04
6:	5.8626e+00	5.8626e+00	1e-04	5e-05	2e-15	4e-06
7:	5.8627e+00	5.8627e+00	1e-06	5e-07	2e-15	4e-08
8:	5.8627e+00	5.8627e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1329e+00	2.1322e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8222e+00	3.8219e+00	1e+00	5e-01	2e-15	4e-02
3:	4.1072e+00	4.1071e+00	5e-01	1e-01	5e-15	1e-02
4:	4.3163e+00	4.3163e+00	6e-02	2e-02	1e-15	2e-03
5:	4.3237e+00	4.3237e+00	3e-02	9e-03	7e-15	7e-04
6:	4.3328e+00	4.3328e+00	5e-04	2e-04	3e-15	1e-05
7:	4.3330e+00	4.3330e+00	5e-06	2e-06	3e-15	1e-07
8:	4.3330e+00	4.3330e+00	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2164e+00	2.2135e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5572e+00	4.5561e+00	1e+00	4e-01	1e-15	3e-02
3:	4.7905e+00	4.7900e+00	3e-01	1e-01	3e-15	8e-03
4:	4.8798e+00	4.8797e+00	5e-02	1e-02	2e-15	1e-03
5:	4.8949e+00	4.8948e+00	5e-03	2e-03	8e-15	1e-04
6:	4.8963e+00	4.8963e+00	6e-05	2e-05	1e-14	2e-06
7:	4.8963e+00	4.8963e+00	6e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5122e+00	2.5094e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5242e+00	4.5232e+00	1e+00	4e-01	2e-15	3e-02
3:	4.8447e+00	4.8443e+00	3e-01	1e-01	4e-15	8e-03
4:	4.8979e+00	4.8978e+00	8e-02	3e-02	2e-15	2e-03
5:	4.9269e+00	4.9268e+00	1e-02	3e-03	8e-16	3e-04
6:	4.9295e+00	4.9295e+00	2e-04	6e-05	2e-14	5e-06
7:	4.9296e+00	4.9296e+00	2e-06	6e-07	2e-14	5e-08
8:	4.9296e+00	4.9296e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4880e+00	3.4857e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6192e+00	5.6182e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9560e+00	5.9558e+00	2e-01	7e-02	2e-15	6e-03
4:	5.9993e+00	5.9993e+00	3e-03	1e-03	3e-15	8e-05
5:	6.0000e+00	6.0000e+00	3e-05	1e-05	2e-15	8e-07
6:	6.0000e+00	6.0000e+00	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5502e+00	2.5470e+00	5e+00	2e+00	2e-16	2e-01
2:	4.6142e+00	4.6129e+00	1e+00	3e-01	3e-15	3e-02
3:	4.8391e+00	4.8388e+00	2e-01	7e-02	1e-15	6e-03
4:	4.9017e+00	4.9015e+00	9e-02	3e-02	1e-15	2e-03
5:	4.9201e+00	4.9200e+00	2e-02	6e-03	3e-15	5e-04
6:	4.9258e+00	4.9258e+00	2e-03	5e-04	3e-15	4e-05
7:	4.9263e+00	4.9263e+00	2e-05	7e-06	3e-14	6e-07
8:	4.9263e+00	4.9263e+00	2e-07	7e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0649e+00	2.0661e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8430e+00	3.8433e+00	1e+00	3e-01	7e-16	3e-02
3:	4.1853e+00	4.1854e+00	2e-01	6e-02	8e-16	5e-03
4:	4.2301e+00	4.2301e+00	3e-02	9e-03	3e-15	7e-04
5:	4.2383e+00	4.2383e+00	5e-03	2e-03	3e-15	1e-04
6:	4.2393e+00	4.2393e+00	1e-04	5e-05	2e-14	4e-06
7:	4.2393e+00	4.2393e+00	1e-06	5e-07	5e-15	4e-08
8:	4.2393e+00	4.2393e+00	1e-08	5e-09	6e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2789e+00	3.2776e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0792e+00	5.0787e+00	2e+00	6e-01	2e-15	5e-02
3:	5.7816e+00	5.7814e+00	4e-01	1e-01	1e-15	1e-02
4:	5.8509e+00	5.8507e+00	2e-01	6e-02	6e-15	5e-03
5:	5.9051e+00	5.9050e+00	4e-02	1e-02	2e-15	1e-03
6:	5.9194e+00	5.9194e+00	7e-04	2e-04	1e-15	2e-05
7:	5.9196e+00	5.9196e+00	7e-06	2e-06	1e-15	2e-07
8:	5.9196e+00	5.9196e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6166e+00	3.6183e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5191e+00	5.5196e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9241e+00	5.9243e+00	4e-01	1e-01	1e-15	1e-02
4:	5.9889e+00	5.9890e+00	5e-02	2e-02	5e-15	1e-03
5:	5.9999e+00	5.9999e+00	5e-04	2e-04	9e-16	1e-05

6:	6.0000e+00	6.0000e+00	5e-06	2e-06	7e-16	1e-07
7:	6.0000e+00	6.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.6337e+00	1.6305e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6119e+00	3.6102e+00	1e+00	3e-01	2e-15	3e-02
3:	3.8000e+00	3.7995e+00	2e-01	5e-02	2e-15	5e-03
4:	3.8445e+00	3.8443e+00	4e-02	1e-02	8e-16	1e-03
5:	3.8527e+00	3.8527e+00	5e-04	2e-04	2e-15	2e-05
6:	3.8528e+00	3.8528e+00	5e-06	2e-06	8e-16	2e-07
7:	3.8528e+00	3.8528e+00	5e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5409e+00	2.5412e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6012e+00	4.6013e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9500e+00	4.9500e+00	3e-01	8e-02	1e-15	6e-03
4:	5.0016e+00	5.0016e+00	5e-02	1e-02	1e-15	1e-03
5:	5.0171e+00	5.0171e+00	8e-03	3e-03	1e-15	2e-04
6:	5.0193e+00	5.0193e+00	3e-04	1e-04	8e-15	9e-06
7:	5.0194e+00	5.0194e+00	3e-06	1e-06	1e-15	9e-08
8:	5.0194e+00	5.0194e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2688e+00	3.2706e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1619e+00	5.1627e+00	2e+00	7e-01	1e-15	5e-02
3:	5.9115e+00	5.9117e+00	4e-01	1e-01	7e-16	1e-02
4:	5.9715e+00	5.9716e+00	9e-02	3e-02	8e-15	2e-03
5:	5.9997e+00	5.9997e+00	1e-03	3e-04	1e-15	2e-05
6:	6.0000e+00	6.0000e+00	1e-05	3e-06	2e-15	2e-07
7:	6.0000e+00	6.0000e+00	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5325e+00	1.5294e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5036e+00	3.5020e+00	1e+00	3e-01	6e-16	4e-02
3:	3.8099e+00	3.8093e+00	3e-01	1e-01	2e-15	1e-02
4:	3.8694e+00	3.8692e+00	8e-02	2e-02	5e-15	2e-03
5:	3.8922e+00	3.8921e+00	1e-02	5e-03	4e-15	4e-04
6:	3.8958e+00	3.8958e+00	2e-04	6e-05	3e-15	6e-06
7:	3.8959e+00	3.8959e+00	2e-06	6e-07	2e-15	6e-08
8:	3.8959e+00	3.8959e+00	2e-08	6e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5571e+00	2.5540e+00	6e+00	2e+00	2e-16	2e-01

2:	4.7326e+00	4.7309e+00	2e+00	6e-01	1e-15	5e-02
3:	5.1822e+00	5.1806e+00	5e-01	2e-01	2e-15	1e-02
4:	5.3749e+00	5.3747e+00	5e-02	2e-02	5e-16	1e-03
5:	5.3832e+00	5.3831e+00	2e-02	7e-03	2e-14	6e-04
6:	5.3892e+00	5.3892e+00	5e-03	2e-03	4e-15	1e-04
7:	5.3905e+00	5.3905e+00	1e-04	3e-05	1e-14	2e-06
8:	5.3905e+00	5.3905e+00	1e-06	3e-07	7e-15	2e-08
9:	5.3905e+00	5.3905e+00	1e-08	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9818e+00	2.9797e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1791e+00	5.1783e+00	2e+00	5e-01	2e-15	4e-02
3:	5.6867e+00	5.6865e+00	3e-01	1e-01	2e-15	8e-03
4:	5.7229e+00	5.7227e+00	1e-01	5e-02	7e-15	4e-03
5:	5.7691e+00	5.7691e+00	3e-02	1e-02	2e-15	8e-04
6:	5.7765e+00	5.7765e+00	9e-03	3e-03	6e-15	2e-04
7:	5.7778e+00	5.7778e+00	4e-03	1e-03	4e-14	1e-04
8:	5.7783e+00	5.7783e+00	2e-03	8e-04	3e-14	6e-05
9:	5.7789e+00	5.7789e+00	3e-05	1e-05	3e-14	8e-07
10:	5.7789e+00	5.7789e+00	3e-07	1e-07	2e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9319e+00	2.9288e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1894e+00	5.1881e+00	2e+00	5e-01	3e-15	4e-02
3:	5.7166e+00	5.7162e+00	3e-01	1e-01	2e-15	9e-03
4:	5.7975e+00	5.7974e+00	9e-02	3e-02	6e-15	2e-03
5:	5.8343e+00	5.8343e+00	7e-03	2e-03	4e-15	2e-04
6:	5.8359e+00	5.8359e+00	5e-04	2e-04	7e-14	1e-05
7:	5.8360e+00	5.8360e+00	2e-05	7e-06	8e-15	6e-07
8:	5.8360e+00	5.8360e+00	2e-07	7e-08	2e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1645e+00	3.1659e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7124e+00	5.7128e+00	1e+00	4e-01	2e-15	3e-02
3:	5.8405e+00	5.8408e+00	6e-01	2e-01	3e-14	1e-02
4:	5.9926e+00	5.9926e+00	5e-02	1e-02	4e-15	1e-03
5:	5.9999e+00	5.9999e+00	5e-04	2e-04	5e-15	1e-05
6:	6.0000e+00	6.0000e+00	5e-06	2e-06	7e-15	1e-07
7:	6.0000e+00	6.0000e+00	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8169e+00	2.8145e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0548e+00	5.0538e+00	1e+00	4e-01	2e-15	4e-02
3:	5.3557e+00	5.3555e+00	3e-01	1e-01	2e-15	8e-03

4:	5.4452e+00	5.4452e+00	6e-02	2e-02	3e-15	2e-03
5:	5.4606e+00	5.4606e+00	4e-03	1e-03	5e-15	1e-04
6:	5.4619e+00	5.4619e+00	5e-05	2e-05	3e-15	1e-06
7:	5.4620e+00	5.4620e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1293e+00	2.1270e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3310e+00	4.3301e+00	1e+00	4e-01	1e-15	4e-02
3:	4.6381e+00	4.6378e+00	3e-01	1e-01	9e-16	8e-03
4:	4.7100e+00	4.7099e+00	7e-02	2e-02	1e-15	2e-03
5:	4.7268e+00	4.7268e+00	4e-03	1e-03	2e-15	1e-04
6:	4.7273e+00	4.7273e+00	1e-03	4e-04	1e-13	3e-05
7:	4.7276e+00	4.7276e+00	2e-05	5e-06	4e-15	4e-07
8:	4.7276e+00	4.7276e+00	2e-07	5e-08	1e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2495e+00	4.2521e+00	6e+00	2e+00	2e-16	1e-01
2:	6.3803e+00	6.3815e+00	2e+00	7e-01	7e-16	6e-02
3:	6.9014e+00	6.9017e+00	5e-01	2e-01	2e-15	1e-02
4:	6.9986e+00	6.9986e+00	7e-03	2e-03	1e-15	2e-04
5:	7.0000e+00	7.0000e+00	7e-05	2e-05	1e-15	2e-06
6:	7.0000e+00	7.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4888e+00	3.4888e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5757e+00	5.5757e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9944e+00	5.9944e+00	5e-01	1e-01	7e-16	1e-02
4:	6.1270e+00	6.1270e+00	4e-02	1e-02	8e-16	1e-03
5:	6.1428e+00	6.1428e+00	3e-03	1e-03	9e-16	8e-05
6:	6.1438e+00	6.1438e+00	3e-05	1e-05	3e-15	8e-07
7:	6.1438e+00	6.1438e+00	3e-07	1e-07	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0974e+00	2.0954e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1112e+00	4.1105e+00	1e+00	3e-01	1e-15	3e-02
3:	4.3371e+00	4.3366e+00	5e-01	1e-01	1e-15	1e-02
4:	4.5012e+00	4.5011e+00	1e-01	4e-02	6e-16	3e-03
5:	4.5344e+00	4.5343e+00	2e-02	5e-03	4e-15	4e-04
6:	4.5389e+00	4.5389e+00	4e-04	1e-04	2e-15	9e-06
7:	4.5390e+00	4.5390e+00	4e-06	1e-06	1e-15	9e-08
8:	4.5390e+00	4.5390e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.1302e+00	2.1282e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0921e+00	4.0914e+00	1e+00	4e-01	2e-15	3e-02
3:	4.4235e+00	4.4233e+00	3e-01	9e-02	1e-15	8e-03
4:	4.4981e+00	4.4981e+00	4e-02	1e-02	2e-15	1e-03
5:	4.5139e+00	4.5139e+00	1e-02	4e-03	1e-15	3e-04
6:	4.5168e+00	4.5168e+00	1e-03	5e-04	1e-14	4e-05
7:	4.5173e+00	4.5173e+00	1e-05	5e-06	1e-15	4e-07
8:	4.5173e+00	4.5173e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0213e+00	3.0194e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9910e+00	4.9900e+00	2e+00	6e-01	1e-15	5e-02
3:	5.4301e+00	5.4298e+00	4e-01	1e-01	2e-15	1e-02
4:	5.5793e+00	5.5792e+00	8e-02	3e-02	9e-16	2e-03
5:	5.6018e+00	5.6018e+00	3e-03	1e-03	9e-16	8e-05
6:	5.6027e+00	5.6027e+00	3e-05	1e-05	6e-16	8e-07
7:	5.6027e+00	5.6027e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2894e+00	3.2874e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9078e+00	4.9071e+00	2e+00	5e-01	3e-15	4e-02
3:	5.4486e+00	5.4483e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4813e+00	5.4809e+00	3e-01	9e-02	6e-15	7e-03
5:	5.5741e+00	5.5740e+00	6e-02	2e-02	1e-15	1e-03
6:	5.5858e+00	5.5858e+00	8e-03	3e-03	4e-15	2e-04
7:	5.5880e+00	5.5880e+00	1e-04	4e-05	1e-14	3e-06
8:	5.5881e+00	5.5881e+00	1e-06	4e-07	5e-15	3e-08
9:	5.5881e+00	5.5881e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7753e+00	3.7825e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4478e+00	6.4506e+00	2e+00	6e-01	8e-16	4e-02
3:	6.9411e+00	6.9420e+00	5e-01	1e-01	1e-15	1e-02
4:	6.9899e+00	6.9900e+00	4e-02	1e-02	8e-15	9e-04
5:	6.9999e+00	6.9999e+00	4e-04	1e-04	1e-15	9e-06
6:	7.0000e+00	7.0000e+00	4e-06	1e-06	9e-16	9e-08
7:	7.0000e+00	7.0000e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6936e+00	2.6924e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0393e+00	5.0388e+00	2e+00	5e-01	2e-15	4e-02
3:	5.3692e+00	5.3690e+00	3e-01	9e-02	2e-15	7e-03
4:	5.4267e+00	5.4266e+00	7e-02	2e-02	1e-15	2e-03
5:	5.4486e+00	5.4486e+00	6e-03	2e-03	2e-15	2e-04



6:	5.4501e+00	5.4501e+00	8e-05	2e-05	7e-15	2e-06
7:	5.4501e+00	5.4501e+00	8e-07	2e-07	6e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1412e+00	4.1419e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7257e+00	6.7259e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9476e+00	6.9476e+00	2e-01	7e-02	3e-15	6e-03
4:	6.9993e+00	6.9993e+00	3e-03	9e-04	3e-15	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	2e-15	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8755e+00	2.8797e+00	7e+00	2e+00	2e-16	2e-01
2:	4.4999e+00	4.5015e+00	2e+00	6e-01	7e-16	4e-02
3:	5.0484e+00	5.0490e+00	6e-01	2e-01	6e-16	1e-02
4:	5.1097e+00	5.1101e+00	2e-01	7e-02	2e-15	6e-03
5:	5.1693e+00	5.1693e+00	3e-02	9e-03	9e-16	7e-04
6:	5.1764e+00	5.1764e+00	8e-03	3e-03	7e-16	2e-04
7:	5.1787e+00	5.1787e+00	6e-04	2e-04	2e-15	1e-05
8:	5.1789e+00	5.1789e+00	3e-05	1e-05	3e-14	8e-07
9:	5.1789e+00	5.1789e+00	3e-07	1e-07	6e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9912e+00	2.9935e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2479e+00	5.2489e+00	2e+00	6e-01	2e-15	5e-02
3:	5.8049e+00	5.8053e+00	6e-01	2e-01	7e-16	2e-02
4:	5.9639e+00	5.9641e+00	1e-01	4e-02	2e-15	3e-03
5:	6.0021e+00	6.0021e+00	1e-02	4e-03	4e-15	3e-04
6:	6.0053e+00	6.0053e+00	2e-03	6e-04	3e-14	5e-05
7:	6.0057e+00	6.0057e+00	2e-04	7e-05	1e-13	6e-06
8:	6.0058e+00	6.0058e+00	4e-06	1e-06	1e-14	1e-07
9:	6.0058e+00	6.0058e+00	4e-08	1e-08	4e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6781e+00	4.6773e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7531e+00	6.7529e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9925e+00	6.9925e+00	4e-02	1e-02	3e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	1e-15	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	1e-15	1e-07
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0389e+00	4.0394e+00	6e+00	2e+00	3e-16	1e-01

2:	6.0347e+00	6.0349e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4828e+00	6.4828e+00	1e-01	5e-02	2e-15	4e-03
4:	6.5237e+00	6.5237e+00	2e-02	5e-03	2e-15	4e-04
5:	6.5307e+00	6.5307e+00	1e-03	3e-04	3e-15	2e-05
6:	6.5310e+00	6.5310e+00	1e-05	3e-06	9e-15	2e-07
7:	6.5310e+00	6.5310e+00	1e-07	3e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6638e+00	3.6625e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2728e+00	6.2723e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6518e+00	6.6517e+00	2e-01	8e-02	2e-15	6e-03
4:	6.7263e+00	6.7263e+00	4e-02	1e-02	2e-15	1e-03
5:	6.7389e+00	6.7389e+00	7e-04	2e-04	2e-15	2e-05
6:	6.7391e+00	6.7391e+00	7e-06	2e-06	1e-15	2e-07
7:	6.7391e+00	6.7391e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7404e+00	2.7388e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6582e+00	4.6573e+00	2e+00	7e-01	8e-16	5e-02
3:	5.2252e+00	5.2249e+00	5e-01	1e-01	8e-16	1e-02
4:	5.3803e+00	5.3802e+00	5e-02	2e-02	1e-15	1e-03
5:	5.3933e+00	5.3933e+00	1e-03	4e-04	5e-15	3e-05
6:	5.3937e+00	5.3937e+00	1e-05	4e-06	3e-15	3e-07
7:	5.3937e+00	5.3937e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1222e+00	3.1201e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6231e+00	5.6220e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9776e+00	5.9772e+00	5e-01	1e-01	1e-15	1e-02
4:	6.1217e+00	6.1216e+00	1e-01	5e-02	2e-15	4e-03
5:	6.1409e+00	6.1408e+00	6e-02	2e-02	6e-15	2e-03
6:	6.1595e+00	6.1595e+00	2e-03	6e-04	2e-15	5e-05
7:	6.1602e+00	6.1602e+00	2e-05	6e-06	1e-15	5e-07
8:	6.1603e+00	6.1603e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2615e+00	1.2585e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6689e+00	2.6676e+00	1e+00	4e-01	2e-15	4e-02
3:	3.1003e+00	3.0999e+00	3e-01	9e-02	1e-15	8e-03
4:	3.1601e+00	3.1599e+00	8e-02	3e-02	3e-15	2e-03
5:	3.1876e+00	3.1876e+00	1e-02	4e-03	2e-15	4e-04
6:	3.1905e+00	3.1905e+00	3e-03	1e-03	2e-14	9e-05
7:	3.1915e+00	3.1915e+00	4e-05	1e-05	5e-15	1e-06
8:	3.1915e+00	3.1915e+00	4e-07	1e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4876e+00	3.4877e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1861e+00	6.1861e+00	1e+00	4e-01	2e-15	3e-02
3:	6.4064e+00	6.4064e+00	2e-01	5e-02	2e-15	4e-03
4:	6.4463e+00	6.4463e+00	3e-02	1e-02	2e-15	8e-04
5:	6.4552e+00	6.4552e+00	1e-02	3e-03	8e-16	2e-04
6:	6.4566e+00	6.4566e+00	3e-03	9e-04	4e-15	7e-05
7:	6.4574e+00	6.4574e+00	5e-05	1e-05	1e-15	1e-06
8:	6.4574e+00	6.4574e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7362e+00	3.7357e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9776e+00	5.9774e+00	2e+00	5e-01	8e-16	4e-02
3:	6.3459e+00	6.3459e+00	2e-01	7e-02	1e-15	6e-03
4:	6.4155e+00	6.4155e+00	6e-02	2e-02	7e-16	2e-03
5:	6.4325e+00	6.4325e+00	1e-02	3e-03	4e-15	3e-04
6:	6.4354e+00	6.4354e+00	1e-04	4e-05	3e-15	3e-06
7:	6.4354e+00	6.4354e+00	1e-06	4e-07	3e-15	3e-08
8:	6.4354e+00	6.4354e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.9396e+00	1.9364e+00	5e+00	2e+00	3e-16	2e-01
2:	3.9988e+00	3.9971e+00	1e+00	4e-01	3e-15	4e-02
3:	4.3509e+00	4.3498e+00	4e-01	1e-01	2e-15	1e-02
4:	4.4380e+00	4.4376e+00	1e-01	3e-02	2e-15	3e-03
5:	4.4691e+00	4.4690e+00	1e-02	5e-03	4e-15	4e-04
6:	4.4721e+00	4.4721e+00	8e-04	2e-04	5e-15	2e-05
7:	4.4723e+00	4.4723e+00	2e-04	5e-05	3e-15	4e-06
8:	4.4724e+00	4.4724e+00	2e-06	5e-07	3e-15	4e-08
9:	4.4724e+00	4.4724e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9318e+00	2.9313e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6790e+00	4.6788e+00	2e+00	5e-01	2e-15	4e-02
3:	5.4036e+00	5.4036e+00	3e-01	8e-02	1e-15	6e-03
4:	5.4750e+00	5.4750e+00	6e-02	2e-02	2e-15	1e-03
5:	5.4898e+00	5.4898e+00	6e-03	2e-03	1e-14	2e-04
6:	5.4914e+00	5.4914e+00	2e-04	7e-05	5e-14	5e-06
7:	5.4915e+00	5.4915e+00	2e-06	7e-07	2e-14	5e-08
8:	5.4915e+00	5.4915e+00	2e-08	7e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	2.5877e+00	2.5849e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7411e+00	4.7398e+00	2e+00	6e-01	3e-15	5e-02
3:	5.2378e+00	5.2372e+00	5e-01	2e-01	5e-15	1e-02
4:	5.3355e+00	5.3354e+00	7e-02	2e-02	4e-15	2e-03
5:	5.3556e+00	5.3555e+00	2e-02	7e-03	2e-15	6e-04
6:	5.3616e+00	5.3616e+00	1e-03	3e-04	4e-15	3e-05
7:	5.3620e+00	5.3620e+00	1e-05	4e-06	1e-15	3e-07
8:	5.3620e+00	5.3620e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7692e+00	3.7740e+00	7e+00	2e+00	2e-16	2e-01
2:	6.0535e+00	6.0557e+00	2e+00	7e-01	1e-15	5e-02
3:	6.2513e+00	6.2532e+00	9e-01	3e-01	3e-15	2e-02
4:	6.4820e+00	6.4824e+00	2e-01	5e-02	5e-16	4e-03
5:	6.5126e+00	6.5127e+00	6e-02	2e-02	6e-16	1e-03
6:	6.5306e+00	6.5306e+00	1e-03	4e-04	9e-16	3e-05
7:	6.5310e+00	6.5310e+00	1e-05	4e-06	6e-16	3e-07
8:	6.5310e+00	6.5310e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1648e+00	4.1683e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6622e+00	6.6630e+00	1e+00	4e-01	3e-15	3e-02
3:	6.9696e+00	6.9697e+00	2e-01	5e-02	3e-15	4e-03
4:	6.9995e+00	6.9995e+00	2e-03	7e-04	4e-15	5e-05
5:	7.0000e+00	7.0000e+00	2e-05	7e-06	5e-15	5e-07
6:	7.0000e+00	7.0000e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3130e+00	4.3154e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1711e+00	6.1719e+00	2e+00	5e-01	2e-15	4e-02
3:	6.5219e+00	6.5222e+00	4e-01	1e-01	2e-15	1e-02
4:	6.5858e+00	6.5859e+00	1e-01	3e-02	1e-15	3e-03
5:	6.6055e+00	6.6055e+00	1e-02	5e-03	2e-15	4e-04
6:	6.6089e+00	6.6089e+00	3e-03	1e-03	2e-15	8e-05
7:	6.6099e+00	6.6099e+00	3e-04	8e-05	8e-15	7e-06
8:	6.6100e+00	6.6100e+00	3e-06	9e-07	7e-16	7e-08
9:	6.6100e+00	6.6100e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3687e+00	3.3696e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1238e+00	5.1241e+00	1e+00	5e-01	1e-15	4e-02
3:	5.6822e+00	5.6822e+00	3e-01	9e-02	2e-15	7e-03
4:	5.7435e+00	5.7435e+00	1e-01	3e-02	3e-15	3e-03
5:	5.7733e+00	5.7734e+00	2e-02	8e-03	1e-15	6e-04

6:	5.7802e+00	5.7802e+00	6e-04	2e-04	2e-15	1e-05
7:	5.7804e+00	5.7804e+00	6e-06	2e-06	1e-15	1e-07
8:	5.7804e+00	5.7804e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3761e+00	3.3748e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5763e+00	5.5757e+00	1e+00	4e-01	2e-15	3e-02
3:	6.0447e+00	6.0447e+00	2e-01	6e-02	1e-15	5e-03
4:	6.0707e+00	6.0707e+00	6e-02	2e-02	7e-15	1e-03
5:	6.0853e+00	6.0853e+00	2e-02	6e-03	4e-15	4e-04
6:	6.0888e+00	6.0888e+00	2e-03	6e-04	1e-14	5e-05
7:	6.0893e+00	6.0893e+00	2e-05	7e-06	5e-15	5e-07
8:	6.0893e+00	6.0893e+00	2e-07	7e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7117e+00	1.7111e+00	6e+00	2e+00	2e-16	1e-01
2:	3.4897e+00	3.4895e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8428e+00	3.8428e+00	3e-01	8e-02	7e-16	7e-03
4:	3.9005e+00	3.9004e+00	6e-02	2e-02	3e-15	2e-03
5:	3.9089e+00	3.9089e+00	2e-02	6e-03	2e-14	4e-04
6:	3.9142e+00	3.9142e+00	1e-03	4e-04	2e-15	3e-05
7:	3.9145e+00	3.9145e+00	1e-05	4e-06	2e-15	3e-07
8:	3.9145e+00	3.9145e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8608e+00	2.8587e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1869e+00	5.1863e+00	1e+00	3e-01	2e-15	3e-02
3:	5.4935e+00	5.4933e+00	2e-01	6e-02	3e-15	5e-03
4:	5.5389e+00	5.5389e+00	3e-02	8e-03	2e-15	7e-04
5:	5.5444e+00	5.5444e+00	3e-04	1e-04	3e-15	9e-06
6:	5.5445e+00	5.5445e+00	3e-06	1e-06	2e-15	9e-08
7:	5.5445e+00	5.5445e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9354e+00	1.9330e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4451e+00	3.4441e+00	1e+00	4e-01	1e-15	4e-02
3:	3.6638e+00	3.6635e+00	3e-01	9e-02	2e-15	8e-03
4:	3.7126e+00	3.7124e+00	1e-01	3e-02	2e-15	3e-03
5:	3.7401e+00	3.7401e+00	1e-02	5e-03	7e-16	4e-04
6:	3.7444e+00	3.7444e+00	3e-03	1e-03	7e-16	9e-05
7:	3.7456e+00	3.7456e+00	2e-04	7e-05	6e-16	6e-06
8:	3.7456e+00	3.7456e+00	2e-06	7e-07	1e-15	6e-08
9:	3.7456e+00	3.7456e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9060e+00	1.9027e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6228e+00	3.6214e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8199e+00	3.8194e+00	3e-01	1e-01	2e-15	9e-03
4:	3.9237e+00	3.9235e+00	8e-02	3e-02	9e-16	2e-03
5:	3.9440e+00	3.9440e+00	1e-02	3e-03	1e-15	3e-04
6:	3.9463e+00	3.9463e+00	5e-04	2e-04	8e-15	1e-05
7:	3.9464e+00	3.9464e+00	5e-06	2e-06	1e-15	1e-07
8:	3.9464e+00	3.9464e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6160e+00	3.6160e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3500e+00	6.3499e+00	1e+00	4e-01	9e-16	3e-02
3:	6.6291e+00	6.6291e+00	4e-01	1e-01	2e-15	1e-02
4:	6.7615e+00	6.7615e+00	6e-02	2e-02	3e-15	2e-03
5:	6.7797e+00	6.7797e+00	5e-03	2e-03	4e-15	1e-04
6:	6.7809e+00	6.7809e+00	5e-05	2e-05	5e-15	1e-06
7:	6.7809e+00	6.7809e+00	5e-07	2e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3390e+00	1.3360e+00	5e+00	2e+00	3e-16	2e-01
2:	3.2119e+00	3.2100e+00	9e-01	3e-01	1e-15	3e-02
3:	3.3901e+00	3.3894e+00	2e-01	7e-02	1e-15	7e-03
4:	3.4272e+00	3.4271e+00	2e-02	5e-03	2e-15	5e-04
5:	3.4318e+00	3.4317e+00	4e-03	1e-03	5e-16	1e-04
6:	3.4327e+00	3.4327e+00	1e-04	3e-05	3e-15	3e-06
7:	3.4327e+00	3.4327e+00	1e-06	3e-07	1e-15	3e-08
8:	3.4327e+00	3.4327e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9239e+00	2.9223e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5484e+00	4.5476e+00	2e+00	6e-01	2e-15	5e-02
3:	5.1459e+00	5.1455e+00	7e-01	2e-01	1e-15	2e-02
4:	5.2911e+00	5.2908e+00	2e-01	6e-02	2e-15	5e-03
5:	5.3517e+00	5.3517e+00	2e-02	7e-03	1e-15	6e-04
6:	5.3582e+00	5.3582e+00	3e-04	8e-05	2e-15	7e-06
7:	5.3583e+00	5.3583e+00	3e-06	8e-07	2e-15	7e-08
8:	5.3583e+00	5.3583e+00	3e-08	8e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3366e+00	2.3360e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2675e+00	4.2672e+00	2e+00	5e-01	8e-16	4e-02
3:	4.5671e+00	4.5670e+00	4e-01	1e-01	9e-16	1e-02

4:	4.7433e+00	4.7433e+00	6e-02	2e-02	5e-16	2e-03
5:	4.7517e+00	4.7517e+00	3e-02	1e-02	2e-14	8e-04
6:	4.7611e+00	4.7611e+00	3e-03	1e-03	2e-15	8e-05
7:	4.7619e+00	4.7619e+00	4e-05	1e-05	2e-14	9e-07
8:	4.7619e+00	4.7619e+00	4e-07	1e-07	2e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0116e+00	4.0168e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7559e+00	6.7571e+00	1e+00	3e-01	1e-15	2e-02
3:	6.9766e+00	6.9768e+00	1e-01	3e-02	3e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	2e-15	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	2e-15	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0820e+00	2.0786e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2038e+00	4.2020e+00	1e+00	4e-01	4e-15	4e-02
3:	4.5206e+00	4.5202e+00	2e-01	7e-02	3e-15	6e-03
4:	4.5838e+00	4.5837e+00	3e-02	9e-03	1e-15	8e-04
5:	4.5925e+00	4.5924e+00	4e-03	1e-03	6e-15	1e-04
6:	4.5935e+00	4.5935e+00	8e-05	2e-05	2e-14	2e-06
7:	4.5935e+00	4.5935e+00	8e-07	2e-07	1e-14	2e-08
8:	4.5935e+00	4.5935e+00	8e-09	2e-09	2e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5304e+00	3.5287e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8734e+00	5.8728e+00	2e+00	5e-01	2e-15	4e-02
3:	6.5821e+00	6.5819e+00	4e-01	1e-01	2e-15	1e-02
4:	6.6494e+00	6.6492e+00	1e-01	5e-02	1e-14	4e-03
5:	6.6896e+00	6.6895e+00	4e-02	1e-02	4e-15	1e-03
6:	6.7025e+00	6.7025e+00	6e-03	2e-03	6e-15	2e-04
7:	6.7044e+00	6.7044e+00	3e-04	8e-05	4e-14	7e-06
8:	6.7045e+00	6.7045e+00	3e-06	8e-07	8e-15	7e-08
9:	6.7045e+00	6.7045e+00	3e-08	8e-09	8e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0924e+00	3.0940e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6628e+00	4.6633e+00	2e+00	5e-01	8e-16	4e-02
3:	5.1485e+00	5.1486e+00	3e-01	1e-01	9e-16	8e-03
4:	5.2582e+00	5.2582e+00	5e-02	2e-02	1e-15	1e-03
5:	5.2692e+00	5.2692e+00	7e-03	2e-03	4e-15	2e-04
6:	5.2701e+00	5.2701e+00	2e-03	7e-04	5e-14	6e-05
7:	5.2706e+00	5.2706e+00	2e-04	6e-05	4e-15	5e-06
8:	5.2707e+00	5.2707e+00	2e-06	6e-07	3e-14	5e-08

9: 5.2707e+00 5.2707e+00 2e-08 6e-09 5e-14 5e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.3984e+00	3.3956e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9293e+00	5.9278e+00	2e+00	5e-01	2e-15	4e-02
3:	6.1517e+00	6.1505e+00	5e-01	2e-01	3e-15	1e-02
4:	6.3194e+00	6.3192e+00	9e-02	3e-02	8e-16	2e-03
5:	6.3469e+00	6.3469e+00	8e-03	3e-03	3e-15	2e-04
6:	6.3497e+00	6.3497e+00	8e-05	3e-05	9e-16	2e-06
7:	6.3497e+00	6.3497e+00	8e-07	3e-07	7e-16	2e-08
8:	6.3497e+00	6.3497e+00	8e-09	3e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2920e+00	3.2906e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7595e+00	5.7591e+00	1e+00	3e-01	1e-15	3e-02
3:	6.0445e+00	6.0443e+00	3e-01	9e-02	2e-15	7e-03
4:	6.1189e+00	6.1189e+00	7e-02	2e-02	6e-15	2e-03
5:	6.1376e+00	6.1376e+00	1e-02	3e-03	7e-15	3e-04
6:	6.1417e+00	6.1417e+00	1e-04	4e-05	1e-15	3e-06
7:	6.1417e+00	6.1417e+00	1e-06	4e-07	1e-15	3e-08
8:	6.1417e+00	6.1417e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6422e+00	3.6412e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8977e+00	5.8972e+00	2e+00	6e-01	2e-15	5e-02
3:	6.3342e+00	6.3339e+00	6e-01	2e-01	1e-15	1e-02
4:	6.4447e+00	6.4446e+00	1e-01	4e-02	2e-15	3e-03
5:	6.4729e+00	6.4729e+00	2e-02	7e-03	1e-15	5e-04
6:	6.4783e+00	6.4783e+00	5e-04	2e-04	1e-15	1e-05
7:	6.4784e+00	6.4784e+00	5e-06	2e-06	6e-16	1e-07
8:	6.4784e+00	6.4784e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8716e+00	3.8709e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8278e+00	5.8276e+00	2e+00	5e-01	1e-15	4e-02
3:	6.5452e+00	6.5451e+00	4e-01	1e-01	2e-15	1e-02
4:	6.6505e+00	6.6505e+00	6e-02	2e-02	8e-15	2e-03
5:	6.6706e+00	6.6706e+00	9e-03	3e-03	2e-15	2e-04
6:	6.6734e+00	6.6734e+00	2e-03	8e-04	2e-15	6e-05
7:	6.6742e+00	6.6742e+00	2e-04	7e-05	8e-15	5e-06
8:	6.6743e+00	6.6743e+00	2e-06	7e-07	8e-16	5e-08
9:	6.6743e+00	6.6743e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7908e+00	2.7881e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9935e+00	4.9924e+00	1e+00	4e-01	3e-15	3e-02
3:	5.2628e+00	5.2626e+00	2e-01	5e-02	2e-15	4e-03
4:	5.3189e+00	5.3188e+00	3e-02	1e-02	1e-15	9e-04
5:	5.3297e+00	5.3297e+00	6e-04	2e-04	4e-15	2e-05
6:	5.3299e+00	5.3299e+00	6e-06	2e-06	2e-15	2e-07
7:	5.3299e+00	5.3299e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5590e+00	4.5618e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4406e+00	6.4411e+00	1e+00	3e-01	2e-15	2e-02
3:	6.8001e+00	6.8003e+00	3e-01	1e-01	8e-16	8e-03
4:	6.8998e+00	6.8999e+00	6e-02	2e-02	2e-15	1e-03
5:	6.9133e+00	6.9133e+00	5e-03	2e-03	3e-15	1e-04
6:	6.9144e+00	6.9144e+00	9e-04	3e-04	7e-14	2e-05
7:	6.9145e+00	6.9145e+00	1e-04	3e-05	2e-13	2e-06
8:	6.9145e+00	6.9145e+00	2e-06	7e-07	1e-14	5e-08
9:	6.9145e+00	6.9145e+00	2e-08	7e-09	1e-13	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7041e+00	2.7045e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7012e+00	4.7013e+00	1e+00	4e-01	8e-16	3e-02
3:	5.2453e+00	5.2454e+00	4e-01	1e-01	1e-15	9e-03
4:	5.3202e+00	5.3202e+00	1e-01	4e-02	1e-14	3e-03
5:	5.3553e+00	5.3553e+00	2e-02	8e-03	2e-15	6e-04
6:	5.3635e+00	5.3635e+00	7e-04	2e-04	6e-16	2e-05
7:	5.3636e+00	5.3636e+00	7e-06	2e-06	2e-15	2e-07
8:	5.3636e+00	5.3636e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3562e+00	1.3531e+00	5e+00	2e+00	2e-16	2e-01
2:	3.0340e+00	3.0324e+00	1e+00	4e-01	1e-15	4e-02
3:	3.3448e+00	3.3444e+00	3e-01	9e-02	1e-15	7e-03
4:	3.4095e+00	3.4093e+00	8e-02	3e-02	1e-15	2e-03
5:	3.4294e+00	3.4294e+00	3e-03	1e-03	1e-15	8e-05
6:	3.4302e+00	3.4302e+00	3e-05	1e-05	1e-15	8e-07
7:	3.4302e+00	3.4302e+00	3e-07	1e-07	1e-15	8e-09
8:	3.4302e+00	3.4302e+00	3e-09	1e-09	9e-16	8e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1172e+00	3.1172e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3486e+00	5.3486e+00	2e+00	6e-01	2e-15	5e-02
3:	5.7961e+00	5.7961e+00	6e-01	2e-01	2e-15	1e-02

4:	6.0096e+00	6.0096e+00	1e-01	4e-02	1e-15	3e-03
5:	6.0426e+00	6.0426e+00	1e-02	3e-03	5e-15	3e-04
6:	6.0452e+00	6.0452e+00	1e-04	3e-05	3e-15	3e-06
7:	6.0452e+00	6.0452e+00	1e-06	3e-07	4e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5223e+00	3.5215e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5821e+00	5.5818e+00	1e+00	5e-01	3e-15	4e-02
3:	5.9343e+00	5.9342e+00	3e-01	9e-02	1e-15	7e-03
4:	6.0234e+00	6.0234e+00	6e-02	2e-02	8e-16	1e-03
5:	6.0354e+00	6.0354e+00	9e-03	3e-03	3e-15	2e-04
6:	6.0379e+00	6.0379e+00	1e-04	4e-05	6e-16	3e-06
7:	6.0380e+00	6.0380e+00	1e-06	4e-07	6e-16	3e-08
8:	6.0380e+00	6.0380e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8290e+00	2.8273e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5593e+00	4.5586e+00	2e+00	5e-01	2e-15	4e-02
3:	5.2026e+00	5.2024e+00	4e-01	1e-01	2e-15	1e-02
4:	5.2669e+00	5.2668e+00	1e-01	4e-02	7e-15	3e-03
5:	5.3066e+00	5.3065e+00	2e-02	7e-03	2e-15	6e-04
6:	5.3133e+00	5.3133e+00	5e-04	2e-04	4e-15	1e-05
7:	5.3134e+00	5.3134e+00	5e-06	2e-06	2e-15	1e-07
8:	5.3134e+00	5.3134e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.1679e+00	3.1732e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7860e+00	5.7879e+00	2e+00	5e-01	1e-15	4e-02
3:	6.1701e+00	6.1706e+00	3e-01	1e-01	2e-15	8e-03
4:	6.2694e+00	6.2694e+00	2e-02	8e-03	1e-15	6e-04
5:	6.2752e+00	6.2752e+00	9e-04	3e-04	3e-14	2e-05
6:	6.2754e+00	6.2754e+00	9e-06	3e-06	5e-15	2e-07
7:	6.2755e+00	6.2755e+00	9e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5217e+00	2.5190e+00	5e+00	2e+00	2e-16	2e-01
2:	4.8284e+00	4.8272e+00	1e+00	4e-01	1e-15	4e-02
3:	5.2209e+00	5.2205e+00	3e-01	8e-02	1e-15	7e-03
4:	5.3041e+00	5.3041e+00	3e-02	8e-03	6e-15	7e-04
5:	5.3114e+00	5.3114e+00	5e-03	1e-03	1e-14	1e-04
6:	5.3125e+00	5.3125e+00	4e-04	1e-04	6e-14	1e-05
7:	5.3126e+00	5.3126e+00	4e-06	1e-06	6e-15	1e-07
8:	5.3126e+00	5.3126e+00	4e-08	1e-08	7e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9934e+00	3.9951e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1349e+00	7.1355e+00	1e+00	4e-01	2e-15	3e-02
3:	7.4962e+00	7.4964e+00	4e-01	1e-01	2e-15	9e-03
4:	7.5340e+00	7.5341e+00	1e-01	5e-02	1e-14	4e-03
5:	7.5765e+00	7.5765e+00	8e-03	3e-03	2e-15	2e-04
6:	7.5793e+00	7.5793e+00	9e-05	3e-05	2e-15	2e-06
7:	7.5793e+00	7.5793e+00	9e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9014e+00	3.9052e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8834e+00	5.8851e+00	2e+00	5e-01	8e-16	4e-02
3:	6.2552e+00	6.2557e+00	5e-01	1e-01	8e-16	1e-02
4:	6.3611e+00	6.3613e+00	1e-01	5e-02	8e-16	3e-03
5:	6.3924e+00	6.3925e+00	2e-02	6e-03	3e-15	4e-04
6:	6.3965e+00	6.3965e+00	7e-04	2e-04	7e-15	2e-05
7:	6.3967e+00	6.3967e+00	7e-06	2e-06	2e-15	2e-07
8:	6.3967e+00	6.3967e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9424e+00	2.9411e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9849e+00	4.9845e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3753e+00	5.3752e+00	2e-01	7e-02	9e-16	6e-03
4:	5.4476e+00	5.4476e+00	2e-02	8e-03	1e-15	6e-04
5:	5.4555e+00	5.4555e+00	5e-03	2e-03	7e-15	1e-04
6:	5.4565e+00	5.4565e+00	9e-04	3e-04	3e-14	2e-05
7:	5.4568e+00	5.4568e+00	9e-06	3e-06	2e-15	2e-07
8:	5.4568e+00	5.4568e+00	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6805e+00	2.6790e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1540e+00	5.1533e+00	2e+00	5e-01	2e-15	4e-02
3:	5.5552e+00	5.5549e+00	5e-01	1e-01	1e-15	1e-02
4:	5.6464e+00	5.6463e+00	1e-01	3e-02	3e-15	3e-03
5:	5.6733e+00	5.6733e+00	2e-02	6e-03	1e-15	5e-04
6:	5.6790e+00	5.6790e+00	2e-03	6e-04	5e-15	5e-05
7:	5.6795e+00	5.6795e+00	2e-05	6e-06	3e-14	5e-07
8:	5.6795e+00	5.6795e+00	2e-07	6e-08	2e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5451e+00	3.5466e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6214e+00	5.6219e+00	2e+00	6e-01	2e-15	4e-02
3:	6.2295e+00	6.2296e+00	4e-01	1e-01	7e-16	9e-03

4:	6.3139e+00	6.3140e+00	1e-01	4e-02	3e-15	3e-03
5:	6.3709e+00	6.3709e+00	1e-02	4e-03	9e-16	3e-04
6:	6.3739e+00	6.3739e+00	3e-03	1e-03	6e-14	8e-05
7:	6.3749e+00	6.3749e+00	5e-05	2e-05	3e-15	1e-06
8:	6.3750e+00	6.3750e+00	5e-07	2e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5444e+00	3.5515e+00	7e+00	2e+00	2e-16	2e-01
2:	5.4262e+00	5.4286e+00	2e+00	6e-01	8e-16	4e-02
3:	5.9279e+00	5.9285e+00	5e-01	2e-01	9e-16	1e-02
4:	6.0539e+00	6.0541e+00	1e-01	4e-02	2e-15	3e-03
5:	6.0941e+00	6.0942e+00	2e-02	8e-03	1e-15	6e-04
6:	6.1009e+00	6.1009e+00	1e-03	3e-04	8e-15	3e-05
7:	6.1012e+00	6.1012e+00	1e-05	3e-06	8e-16	3e-07
8:	6.1012e+00	6.1012e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4580e+00	2.4557e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5368e+00	4.5353e+00	2e+00	7e-01	5e-15	6e-02
3:	5.0710e+00	5.0705e+00	5e-01	2e-01	4e-15	1e-02
4:	5.2541e+00	5.2541e+00	4e-02	1e-02	2e-15	1e-03
5:	5.2689e+00	5.2689e+00	4e-04	1e-04	1e-15	1e-05
6:	5.2691e+00	5.2691e+00	4e-06	1e-06	1e-15	1e-07
7:	5.2691e+00	5.2691e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8453e+00	2.8426e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9243e+00	4.9233e+00	1e+00	4e-01	3e-15	4e-02
3:	5.3443e+00	5.3438e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4636e+00	5.4635e+00	6e-02	2e-02	9e-16	2e-03
5:	5.4845e+00	5.4845e+00	9e-03	3e-03	4e-15	2e-04
6:	5.4874e+00	5.4874e+00	2e-04	5e-05	1e-14	4e-06
7:	5.4875e+00	5.4875e+00	2e-06	5e-07	7e-15	4e-08
8:	5.4875e+00	5.4875e+00	2e-08	5e-09	5e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2307e+00	1.2274e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8496e+00	2.8483e+00	1e+00	3e-01	2e-15	3e-02
3:	3.1427e+00	3.1423e+00	2e-01	6e-02	2e-15	5e-03
4:	3.1879e+00	3.1879e+00	2e-02	6e-03	1e-15	6e-04
5:	3.1952e+00	3.1952e+00	3e-04	8e-05	5e-16	7e-06
6:	3.1953e+00	3.1953e+00	3e-06	8e-07	9e-16	7e-08
7:	3.1953e+00	3.1953e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.3069e+00	3.3037e+00	5e+00	2e+00	2e-16	2e-01
2:	6.0281e+00	6.0266e+00	1e+00	4e-01	2e-15	3e-02
3:	6.4101e+00	6.4096e+00	3e-01	9e-02	2e-15	8e-03
4:	6.4913e+00	6.4912e+00	5e-02	2e-02	9e-15	1e-03
5:	6.5000e+00	6.5000e+00	9e-03	3e-03	3e-14	2e-04
6:	6.5032e+00	6.5032e+00	5e-04	2e-04	3e-15	1e-05
7:	6.5033e+00	6.5033e+00	5e-06	2e-06	8e-15	1e-07
8:	6.5033e+00	6.5033e+00	5e-08	2e-08	9e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9038e+00	1.9005e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9433e+00	3.9415e+00	1e+00	3e-01	2e-15	3e-02
3:	4.2794e+00	4.2790e+00	2e-01	5e-02	2e-15	5e-03
4:	4.3059e+00	4.3057e+00	4e-02	1e-02	1e-14	1e-03
5:	4.3131e+00	4.3131e+00	6e-03	2e-03	1e-14	2e-04
6:	4.3149e+00	4.3149e+00	1e-04	3e-05	8e-16	3e-06
7:	4.3149e+00	4.3149e+00	1e-06	3e-07	2e-15	3e-08
8:	4.3149e+00	4.3149e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3809e+00	2.3785e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5483e+00	4.5470e+00	2e+00	6e-01	7e-16	5e-02
3:	5.0886e+00	5.0882e+00	5e-01	2e-01	9e-16	1e-02
4:	5.1663e+00	5.1661e+00	1e-01	4e-02	3e-15	3e-03
5:	5.1988e+00	5.1988e+00	2e-02	6e-03	8e-16	4e-04
6:	5.2044e+00	5.2044e+00	3e-03	8e-04	9e-16	6e-05
7:	5.2051e+00	5.2051e+00	3e-05	9e-06	1e-15	7e-07
8:	5.2051e+00	5.2051e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2192e+00	2.2221e+00	6e+00	2e+00	3e-16	1e-01
2:	4.4819e+00	4.4829e+00	1e+00	4e-01	7e-16	3e-02
3:	4.7537e+00	4.7539e+00	2e-01	7e-02	1e-15	5e-03
4:	4.8121e+00	4.8121e+00	1e-02	5e-03	5e-15	4e-04
5:	4.8150e+00	4.8150e+00	2e-04	6e-05	5e-15	4e-06
6:	4.8151e+00	4.8151e+00	2e-06	6e-07	8e-15	4e-08
7:	4.8151e+00	4.8151e+00	2e-08	6e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5848e+00	3.5894e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3211e+00	6.3227e+00	2e+00	5e-01	1e-15	4e-02
3:	6.7271e+00	6.7275e+00	4e-01	1e-01	1e-15	9e-03

4:	6.8454e+00	6.8455e+00	9e-02	3e-02	1e-15	2e-03
5:	6.8657e+00	6.8658e+00	1e-02	4e-03	7e-15	3e-04
6:	6.8698e+00	6.8698e+00	1e-04	5e-05	1e-15	4e-06
7:	6.8698e+00	6.8698e+00	1e-06	5e-07	1e-15	4e-08
8:	6.8698e+00	6.8698e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2490e+00	3.2475e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9744e+00	5.9738e+00	2e+00	5e-01	2e-15	4e-02
3:	6.4131e+00	6.4129e+00	3e-01	1e-01	2e-15	9e-03
4:	6.5178e+00	6.5177e+00	5e-02	2e-02	4e-15	1e-03
5:	6.5369e+00	6.5369e+00	1e-03	4e-04	7e-15	3e-05
6:	6.5373e+00	6.5373e+00	1e-05	4e-06	1e-14	3e-07
7:	6.5373e+00	6.5373e+00	1e-07	4e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5874e+00	3.5864e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9378e+00	5.9375e+00	1e+00	4e-01	2e-15	3e-02
3:	6.3767e+00	6.3766e+00	2e-01	7e-02	2e-15	6e-03
4:	6.4487e+00	6.4487e+00	6e-03	2e-03	3e-15	2e-04
5:	6.4511e+00	6.4511e+00	6e-05	2e-05	7e-16	2e-06
6:	6.4512e+00	6.4512e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7662e+00	1.7651e+00	6e+00	2e+00	3e-16	1e-01
2:	3.1447e+00	3.1443e+00	1e+00	4e-01	1e-15	3e-02
3:	3.5858e+00	3.5857e+00	4e-01	1e-01	9e-16	9e-03
4:	3.6662e+00	3.6661e+00	1e-01	4e-02	4e-15	3e-03
5:	3.7054e+00	3.7053e+00	2e-02	7e-03	2e-15	5e-04
6:	3.7126e+00	3.7126e+00	3e-03	9e-04	6e-15	7e-05
7:	3.7134e+00	3.7134e+00	2e-04	8e-05	1e-13	6e-06
8:	3.7135e+00	3.7135e+00	3e-06	8e-07	1e-14	6e-08
9:	3.7135e+00	3.7135e+00	3e-08	8e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9485e+00	2.9477e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3433e+00	5.3430e+00	2e+00	5e-01	1e-15	4e-02
3:	5.6800e+00	5.6798e+00	6e-01	2e-01	2e-15	1e-02
4:	5.8659e+00	5.8659e+00	1e-01	3e-02	1e-15	2e-03
5:	5.8949e+00	5.8948e+00	7e-03	2e-03	6e-15	2e-04
6:	5.8969e+00	5.8969e+00	7e-05	2e-05	9e-16	2e-06
7:	5.8969e+00	5.8969e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0634e+00	4.0612e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3159e+00	6.3150e+00	2e+00	5e-01	2e-15	4e-02
3:	6.8806e+00	6.8802e+00	5e-01	2e-01	2e-15	1e-02
4:	7.0634e+00	7.0633e+00	7e-02	2e-02	4e-15	2e-03
5:	7.0817e+00	7.0816e+00	1e-02	3e-03	3e-15	3e-04
6:	7.0852e+00	7.0852e+00	2e-03	5e-04	2e-15	4e-05
7:	7.0857e+00	7.0857e+00	4e-05	1e-05	9e-15	1e-06
8:	7.0857e+00	7.0857e+00	4e-07	1e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8467e+00	4.8472e+00	6e+00	2e+00	3e-16	1e-01
2:	7.3853e+00	7.3854e+00	1e+00	3e-01	2e-15	3e-02
3:	7.7367e+00	7.7368e+00	3e-01	8e-02	4e-15	6e-03
4:	7.7945e+00	7.7946e+00	6e-02	2e-02	5e-15	1e-03
5:	7.8084e+00	7.8084e+00	7e-03	2e-03	4e-15	2e-04
6:	7.8104e+00	7.8104e+00	1e-04	3e-05	1e-14	3e-06
7:	7.8104e+00	7.8104e+00	1e-06	3e-07	5e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0904e+00	4.0877e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5799e+00	6.5789e+00	1e+00	4e-01	2e-15	4e-02
3:	6.8605e+00	6.8602e+00	3e-01	1e-01	3e-15	8e-03
4:	6.9722e+00	6.9721e+00	8e-02	3e-02	2e-15	2e-03
5:	6.9952e+00	6.9952e+00	1e-02	4e-03	8e-15	4e-04
6:	7.0005e+00	7.0005e+00	3e-04	1e-04	2e-15	9e-06
7:	7.0006e+00	7.0006e+00	3e-06	1e-06	4e-15	9e-08
8:	7.0006e+00	7.0006e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.6636e+00	3.6605e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1741e+00	6.1728e+00	1e+00	4e-01	2e-15	4e-02
3:	6.6544e+00	6.6542e+00	2e-01	6e-02	3e-15	6e-03
4:	6.7146e+00	6.7146e+00	1e-02	5e-03	9e-15	4e-04
5:	6.7203e+00	6.7203e+00	2e-04	5e-05	8e-16	4e-06
6:	6.7203e+00	6.7203e+00	2e-06	5e-07	2e-15	4e-08
7:	6.7203e+00	6.7203e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5993e+00	3.6003e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7601e+00	5.7604e+00	1e+00	5e-01	1e-15	3e-02
3:	6.2747e+00	6.2748e+00	4e-01	1e-01	2e-15	9e-03
4:	6.3725e+00	6.3725e+00	1e-01	3e-02	3e-15	2e-03
5:	6.4079e+00	6.4079e+00	1e-02	4e-03	3e-15	3e-04

6:	6.4114e+00	6.4114e+00	2e-03	7e-04	3e-14	5e-05
7:	6.4121e+00	6.4121e+00	3e-05	8e-06	4e-15	7e-07
8:	6.4121e+00	6.4121e+00	3e-07	8e-08	1e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2245e+00	4.2276e+00	6e+00	2e+00	3e-16	1e-01
2:	6.3233e+00	6.3244e+00	2e+00	5e-01	1e-15	4e-02
3:	6.6636e+00	6.6640e+00	4e-01	1e-01	2e-15	9e-03
4:	6.7799e+00	6.7801e+00	1e-01	3e-02	6e-16	2e-03
5:	6.7987e+00	6.7987e+00	4e-02	1e-02	2e-15	1e-03
6:	6.8132e+00	6.8132e+00	1e-03	4e-04	6e-16	3e-05
7:	6.8136e+00	6.8136e+00	1e-05	4e-06	9e-16	3e-07
8:	6.8136e+00	6.8136e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8987e+00	2.8955e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1135e+00	5.1118e+00	2e+00	6e-01	2e-15	6e-02
3:	5.6772e+00	5.6763e+00	4e-01	1e-01	2e-15	1e-02
4:	5.7613e+00	5.7610e+00	9e-02	3e-02	4e-15	2e-03
5:	5.7870e+00	5.7869e+00	3e-02	8e-03	2e-15	7e-04
6:	5.7936e+00	5.7935e+00	4e-03	1e-03	7e-15	9e-05
7:	5.7946e+00	5.7946e+00	4e-05	1e-05	1e-15	1e-06
8:	5.7946e+00	5.7946e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5123e+00	2.5105e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5741e+00	4.5735e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9695e+00	4.9694e+00	2e-01	7e-02	1e-15	5e-03
4:	5.0097e+00	5.0096e+00	3e-02	1e-02	3e-15	9e-04
5:	5.0208e+00	5.0208e+00	7e-04	2e-04	2e-15	2e-05
6:	5.0210e+00	5.0210e+00	7e-06	2e-06	1e-15	2e-07
7:	5.0210e+00	5.0210e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9012e+00	3.8993e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7600e+00	5.7595e+00	1e+00	3e-01	3e-15	3e-02
3:	6.1219e+00	6.1218e+00	2e-01	6e-02	9e-16	5e-03
4:	6.1963e+00	6.1963e+00	4e-02	1e-02	2e-15	1e-03
5:	6.2111e+00	6.2111e+00	2e-03	7e-04	8e-15	6e-05
6:	6.2118e+00	6.2118e+00	2e-05	7e-06	9e-16	6e-07
7:	6.2119e+00	6.2119e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	4.7837e+00	4.7871e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8171e+00	6.8180e+00	1e+00	4e-01	2e-15	3e-02
3:	7.0995e+00	7.1000e+00	5e-01	2e-01	2e-15	1e-02
4:	7.2890e+00	7.2891e+00	1e-01	4e-02	1e-15	3e-03
5:	7.3234e+00	7.3234e+00	3e-02	8e-03	3e-15	6e-04
6:	7.3322e+00	7.3322e+00	3e-04	9e-05	2e-15	7e-06
7:	7.3323e+00	7.3323e+00	3e-06	9e-07	1e-15	7e-08
8:	7.3323e+00	7.3323e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3402e+00	3.3382e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7926e+00	5.7918e+00	1e+00	5e-01	3e-15	4e-02
3:	6.1299e+00	6.1296e+00	4e-01	1e-01	4e-15	1e-02
4:	6.2024e+00	6.2023e+00	9e-02	3e-02	6e-15	2e-03
5:	6.2305e+00	6.2304e+00	2e-02	8e-03	3e-15	6e-04
6:	6.2357e+00	6.2357e+00	5e-04	1e-04	1e-15	1e-05
7:	6.2358e+00	6.2358e+00	5e-06	1e-06	2e-15	1e-07
8:	6.2358e+00	6.2358e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1196e+00	4.1196e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9680e+00	5.9680e+00	9e-01	3e-01	3e-15	2e-02
3:	6.2330e+00	6.2330e+00	3e-01	9e-02	4e-15	7e-03
4:	6.3399e+00	6.3399e+00	5e-02	2e-02	2e-15	1e-03
5:	6.3566e+00	6.3566e+00	4e-03	1e-03	2e-15	9e-05
6:	6.3582e+00	6.3582e+00	4e-05	1e-05	2e-15	1e-06
7:	6.3582e+00	6.3582e+00	4e-07	1e-07	8e-16	1e-08
8:	6.3582e+00	6.3582e+00	4e-09	1e-09	7e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0211e+00	3.0206e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4631e+00	5.4629e+00	2e+00	5e-01	2e-15	4e-02
3:	5.7825e+00	5.7824e+00	5e-01	2e-01	1e-15	1e-02
4:	5.9369e+00	5.9369e+00	8e-02	3e-02	4e-16	2e-03
5:	5.9604e+00	5.9603e+00	2e-02	7e-03	4e-15	6e-04
6:	5.9658e+00	5.9658e+00	3e-03	8e-04	2e-14	6e-05
7:	5.9667e+00	5.9667e+00	3e-05	8e-06	3e-15	6e-07
8:	5.9667e+00	5.9667e+00	3e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9942e+00	3.9980e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1348e+00	7.1361e+00	1e+00	5e-01	2e-15	4e-02
3:	7.2811e+00	7.2818e+00	5e-01	2e-01	4e-15	1e-02
4:	7.4037e+00	7.4038e+00	9e-02	3e-02	1e-15	2e-03

5:	7.4293e+00	7.4293e+00	1e-02	4e-03	2e-15	3e-04
6:	7.4319e+00	7.4319e+00	2e-04	6e-05	9e-15	5e-06
7:	7.4319e+00	7.4319e+00	2e-06	6e-07	5e-15	5e-08
8:	7.4319e+00	7.4319e+00	2e-08	6e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8364e+00	3.8338e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4104e+00	6.4095e+00	1e+00	3e-01	2e-15	3e-02
3:	6.5742e+00	6.5735e+00	4e-01	1e-01	7e-15	1e-02
4:	6.6975e+00	6.6973e+00	8e-02	3e-02	2e-15	2e-03
5:	6.7203e+00	6.7203e+00	9e-03	3e-03	1e-15	2e-04
6:	6.7231e+00	6.7231e+00	8e-04	2e-04	8e-15	2e-05
7:	6.7233e+00	6.7233e+00	8e-06	3e-06	2e-14	2e-07
8:	6.7233e+00	6.7233e+00	8e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4936e+00	2.4967e+00	6e+00	2e+00	2e-16	1e-01
2:	4.2441e+00	4.2453e+00	2e+00	6e-01	1e-15	4e-02
3:	4.5393e+00	4.5395e+00	4e-01	1e-01	7e-16	9e-03
4:	4.6482e+00	4.6482e+00	7e-02	2e-02	8e-16	2e-03
5:	4.6676e+00	4.6676e+00	1e-02	4e-03	3e-15	3e-04
6:	4.6698e+00	4.6698e+00	3e-04	9e-05	1e-14	7e-06
7:	4.6698e+00	4.6698e+00	5e-05	1e-05	2e-15	1e-06
8:	4.6699e+00	4.6699e+00	8e-07	3e-07	5e-16	2e-08
9:	4.6699e+00	4.6699e+00	8e-09	3e-09	1e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7478e+00	3.7469e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2827e+00	6.2824e+00	1e+00	4e-01	4e-15	3e-02
3:	6.4253e+00	6.4251e+00	4e-01	1e-01	2e-15	1e-02
4:	6.5438e+00	6.5437e+00	7e-02	2e-02	1e-15	2e-03
5:	6.5593e+00	6.5593e+00	1e-02	4e-03	1e-15	3e-04
6:	6.5621e+00	6.5621e+00	1e-04	5e-05	1e-15	4e-06
7:	6.5622e+00	6.5622e+00	1e-06	5e-07	2e-15	4e-08
8:	6.5622e+00	6.5622e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4193e+00	4.4206e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1822e+00	7.1827e+00	2e+00	7e-01	1e-15	5e-02
3:	7.8667e+00	7.8669e+00	4e-01	1e-01	2e-15	1e-02
4:	7.9811e+00	7.9812e+00	6e-02	2e-02	3e-15	2e-03
5:	7.9976e+00	7.9976e+00	1e-02	4e-03	3e-14	3e-04
6:	7.9999e+00	7.9999e+00	3e-04	1e-04	8e-14	8e-06
7:	8.0000e+00	8.0000e+00	3e-06	1e-06	2e-14	8e-08

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8: 8.0000e+00 8.0000e+00 3e-08 1e-08 3e-14 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1394e+00 3.1413e+00 6e+00 2e+00 2e-16 1e-01
2: 5.1040e+00 5.1047e+00 1e+00 4e-01 1e-15 3e-02
3: 5.4092e+00 5.4093e+00 2e-01 6e-02 2e-15 5e-03
4: 5.4671e+00 5.4672e+00 6e-02 2e-02 7e-16 2e-03
5: 5.4859e+00 5.4859e+00 2e-03 7e-04 2e-15 6e-05
6: 5.4866e+00 5.4866e+00 2e-05 8e-06 6e-16 6e-07
7: 5.4866e+00 5.4866e+00 2e-07 8e-08 6e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.5425e+00 4.5417e+00 6e+00 2e+00 3e-16 2e-01
2: 6.6063e+00 6.6061e+00 2e+00 5e-01 2e-15 4e-02
3: 6.9736e+00 6.9735e+00 3e-01 1e-01 1e-15 9e-03
4: 7.1009e+00 7.1008e+00 1e-01 3e-02 3e-15 3e-03
5: 7.1294e+00 7.1294e+00 2e-02 8e-03 4e-15 6e-04
6: 7.1336e+00 7.1336e+00 8e-03 2e-03 2e-14 2e-04
7: 7.1356e+00 7.1356e+00 1e-03 3e-04 3e-15 3e-05
8: 7.1359e+00 7.1359e+00 1e-05 4e-06 1e-14 3e-07
9: 7.1359e+00 7.1359e+00 1e-07 4e-08 6e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7870e+00 3.7850e+00 6e+00 2e+00 2e-16 2e-01
2: 6.8522e+00 6.8513e+00 1e+00 4e-01 2e-15 3e-02
3: 7.0693e+00 7.0690e+00 3e-01 8e-02 3e-15 7e-03
4: 7.1189e+00 7.1188e+00 8e-02 2e-02 5e-15 2e-03
5: 7.1438e+00 7.1438e+00 7e-03 2e-03 3e-15 2e-04
6: 7.1455e+00 7.1455e+00 3e-04 1e-04 7e-14 9e-06
7: 7.1456e+00 7.1456e+00 4e-06 1e-06 2e-14 9e-08
8: 7.1456e+00 7.1456e+00 4e-08 1e-08 2e-14 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8521e+00 3.8517e+00 6e+00 2e+00 2e-16 2e-01
2: 6.1802e+00 6.1800e+00 1e+00 5e-01 2e-15 4e-02
3: 6.6754e+00 6.6753e+00 4e-01 1e-01 1e-15 1e-02
4: 6.8069e+00 6.8069e+00 9e-02 3e-02 9e-15 2e-03
5: 6.8385e+00 6.8385e+00 1e-02 3e-03 6e-15 3e-04
6: 6.8415e+00 6.8415e+00 2e-03 7e-04 4e-14 5e-05
7: 6.8420e+00 6.8420e+00 3e-04 9e-05 1e-13 7e-06
8: 6.8421e+00 6.8421e+00 3e-06 1e-06 1e-14 8e-08
9: 6.8421e+00 6.8421e+00 3e-08 1e-08 3e-14 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8418e+00	4.8415e+00	6e+00	2e+00	2e-16	2e-01
2:	7.4163e+00	7.4162e+00	1e+00	4e-01	2e-15	3e-02
3:	7.7898e+00	7.7898e+00	3e-01	9e-02	3e-15	7e-03
4:	7.8891e+00	7.8891e+00	6e-02	2e-02	3e-15	2e-03
5:	7.9086e+00	7.9086e+00	1e-03	5e-04	5e-15	4e-05
6:	7.9091e+00	7.9091e+00	1e-05	5e-06	2e-15	4e-07
7:	7.9091e+00	7.9091e+00	1e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6178e+00	2.6161e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7959e+00	4.7952e+00	1e+00	4e-01	1e-15	4e-02
3:	5.1777e+00	5.1774e+00	4e-01	1e-01	2e-15	1e-02
4:	5.3002e+00	5.3001e+00	7e-02	2e-02	2e-15	2e-03
5:	5.3196e+00	5.3196e+00	3e-03	9e-04	3e-15	7e-05
6:	5.3203e+00	5.3203e+00	3e-05	9e-06	3e-15	7e-07
7:	5.3203e+00	5.3203e+00	3e-07	9e-08	5e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3406e+00	3.3432e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1705e+00	6.1713e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4865e+00	6.4868e+00	4e-01	1e-01	2e-15	9e-03
4:	6.5501e+00	6.5502e+00	1e-01	4e-02	4e-15	3e-03
5:	6.5837e+00	6.5838e+00	1e-02	3e-03	3e-15	3e-04
6:	6.5862e+00	6.5862e+00	5e-04	2e-04	3e-14	1e-05
7:	6.5863e+00	6.5863e+00	5e-06	2e-06	5e-15	1e-07
8:	6.5863e+00	6.5863e+00	5e-08	2e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5756e+00	3.5852e+00	6e+00	2e+00	2e-16	1e-01
2:	5.1990e+00	5.2029e+00	2e+00	6e-01	7e-16	4e-02
3:	5.6014e+00	5.6030e+00	6e-01	2e-01	9e-16	1e-02
4:	5.7680e+00	5.7686e+00	2e-01	6e-02	1e-15	5e-03
5:	5.7923e+00	5.7925e+00	6e-02	2e-02	5e-15	1e-03
6:	5.7975e+00	5.7977e+00	5e-02	2e-02	5e-15	1e-03
7:	5.8102e+00	5.8103e+00	7e-03	2e-03	2e-15	2e-04
8:	5.8120e+00	5.8120e+00	9e-05	3e-05	2e-15	2e-06
9:	5.8121e+00	5.8121e+00	9e-07	3e-07	3e-15	2e-08
10:	5.8121e+00	5.8121e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.4499e+00	2.4562e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9862e+00	3.9890e+00	2e+00	5e-01	7e-16	4e-02
3:	4.2976e+00	4.2981e+00	3e-01	1e-01	4e-16	7e-03

4:	4.4005e+00	4.4006e+00	8e-02	2e-02	4e-16	2e-03
5:	4.4179e+00	4.4179e+00	1e-02	5e-03	1e-15	3e-04
6:	4.4211e+00	4.4211e+00	7e-04	2e-04	1e-15	2e-05
7:	4.4213e+00	4.4213e+00	7e-06	2e-06	3e-15	2e-07
8:	4.4213e+00	4.4213e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9329e+00	1.9308e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0407e+00	4.0400e+00	1e+00	4e-01	1e-15	3e-02
3:	4.3381e+00	4.3378e+00	3e-01	9e-02	2e-15	7e-03
4:	4.3834e+00	4.3832e+00	6e-02	2e-02	3e-15	2e-03
5:	4.4021e+00	4.4021e+00	5e-03	2e-03	9e-16	1e-04
6:	4.4037e+00	4.4037e+00	5e-04	1e-04	7e-16	1e-05
7:	4.4039e+00	4.4039e+00	5e-06	1e-06	6e-16	1e-07
8:	4.4039e+00	4.4039e+00	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5345e+00	2.5318e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2605e+00	4.2591e+00	2e+00	7e-01	2e-15	6e-02
3:	4.7402e+00	4.7395e+00	5e-01	2e-01	3e-15	1e-02
4:	4.9034e+00	4.9032e+00	1e-01	4e-02	1e-15	3e-03
5:	4.9376e+00	4.9376e+00	2e-02	7e-03	4e-15	5e-04
6:	4.9453e+00	4.9453e+00	9e-04	3e-04	8e-16	2e-05
7:	4.9456e+00	4.9456e+00	9e-06	3e-06	1e-15	2e-07
8:	4.9456e+00	4.9456e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5372e+00	3.5357e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3920e+00	5.3914e+00	1e+00	4e-01	2e-15	4e-02
3:	5.8113e+00	5.8112e+00	2e-01	7e-02	2e-15	6e-03
4:	5.8801e+00	5.8801e+00	2e-02	7e-03	3e-15	5e-04
5:	5.8872e+00	5.8871e+00	6e-03	2e-03	1e-15	1e-04
6:	5.8891e+00	5.8891e+00	9e-05	3e-05	1e-15	2e-06
7:	5.8891e+00	5.8891e+00	9e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.6727e+00	3.6824e+00	8e+00	2e+00	3e-16	2e-01
2:	6.0688e+00	6.0723e+00	2e+00	7e-01	6e-16	5e-02
3:	6.8269e+00	6.8277e+00	4e-01	1e-01	8e-16	1e-02
4:	6.9556e+00	6.9557e+00	5e-02	2e-02	2e-15	1e-03
5:	6.9667e+00	6.9667e+00	1e-03	5e-04	1e-14	3e-05
6:	6.9671e+00	6.9671e+00	1e-05	5e-06	6e-15	3e-07
7:	6.9671e+00	6.9671e+00	1e-07	5e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4578e+00	3.4577e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4943e+00	6.4942e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6875e+00	6.6875e+00	4e-01	1e-01	4e-15	1e-02
4:	6.8056e+00	6.8056e+00	3e-02	9e-03	1e-15	7e-04
5:	6.8151e+00	6.8151e+00	6e-03	2e-03	1e-15	1e-04
6:	6.8167e+00	6.8167e+00	6e-05	2e-05	3e-15	2e-06
7:	6.8167e+00	6.8167e+00	6e-07	2e-07	3e-15	2e-08
8:	6.8167e+00	6.8167e+00	6e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7320e+00	3.7350e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7882e+00	6.7890e+00	1e+00	4e-01	2e-15	3e-02
3:	7.0357e+00	7.0360e+00	3e-01	1e-01	6e-15	8e-03
4:	7.1289e+00	7.1290e+00	1e-01	3e-02	3e-15	3e-03
5:	7.1476e+00	7.1476e+00	3e-02	8e-03	2e-15	7e-04
6:	7.1555e+00	7.1555e+00	4e-03	1e-03	2e-15	1e-04
7:	7.1563e+00	7.1563e+00	5e-04	2e-04	1e-14	1e-05
8:	7.1565e+00	7.1565e+00	8e-06	2e-06	8e-15	2e-07
9:	7.1565e+00	7.1565e+00	8e-08	2e-08	7e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3576e+00	5.3588e+00	6e+00	2e+00	3e-16	1e-01
2:	8.1288e+00	8.1292e+00	1e+00	4e-01	2e-15	3e-02
3:	8.6321e+00	8.6322e+00	2e-01	7e-02	2e-15	6e-03
4:	8.6945e+00	8.6945e+00	2e-02	7e-03	4e-15	5e-04
5:	8.6977e+00	8.6977e+00	7e-03	2e-03	1e-13	2e-04
6:	8.6983e+00	8.6983e+00	6e-03	2e-03	2e-13	2e-04
7:	8.6998e+00	8.6998e+00	3e-04	8e-05	8e-14	7e-06
8:	8.6999e+00	8.6999e+00	3e-06	9e-07	2e-14	7e-08
9:	8.6999e+00	8.6999e+00	3e-08	9e-09	3e-14	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9045e+00	3.9123e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3313e+00	6.3340e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9450e+00	6.9459e+00	5e-01	2e-01	1e-15	1e-02
4:	7.0249e+00	7.0253e+00	2e-01	5e-02	4e-15	4e-03
5:	7.0590e+00	7.0591e+00	3e-02	1e-02	2e-15	8e-04
6:	7.0678e+00	7.0678e+00	1e-03	4e-04	4e-15	3e-05
7:	7.0682e+00	7.0682e+00	1e-05	4e-06	1e-15	3e-07
8:	7.0682e+00	7.0682e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.9197e+00	2.9202e+00	6e+00	2e+00	2e-16	1e-01
2:	5.5427e+00	5.5429e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7093e+00	5.7094e+00	4e-01	1e-01	2e-15	1e-02
4:	5.8120e+00	5.8120e+00	1e-01	4e-02	2e-15	3e-03
5:	5.8463e+00	5.8463e+00	6e-03	2e-03	4e-15	2e-04
6:	5.8480e+00	5.8480e+00	6e-05	2e-05	8e-16	2e-06
7:	5.8480e+00	5.8480e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5125e+00	3.5102e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3268e+00	6.3259e+00	1e+00	5e-01	2e-15	4e-02
3:	6.7880e+00	6.7878e+00	3e-01	1e-01	1e-15	9e-03
4:	6.8835e+00	6.8834e+00	8e-02	2e-02	3e-15	2e-03
5:	6.8951e+00	6.8950e+00	2e-02	7e-03	3e-14	6e-04
6:	6.9022e+00	6.9022e+00	2e-03	5e-04	7e-15	4e-05
7:	6.9027e+00	6.9027e+00	2e-05	6e-06	4e-15	5e-07
8:	6.9027e+00	6.9027e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7081e+00	3.7060e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9839e+00	5.9831e+00	2e+00	5e-01	2e-15	4e-02
3:	6.4165e+00	6.4161e+00	6e-01	2e-01	4e-15	2e-02
4:	6.5420e+00	6.5419e+00	1e-01	4e-02	4e-15	3e-03
5:	6.5833e+00	6.5833e+00	2e-03	7e-04	9e-16	6e-05
6:	6.5840e+00	6.5840e+00	2e-05	7e-06	7e-16	6e-07
7:	6.5841e+00	6.5841e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6056e+00	3.6050e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6800e+00	4.6796e+00	1e+00	5e-01	3e-15	4e-02
3:	5.1751e+00	5.1750e+00	3e-01	1e-01	8e-16	8e-03
4:	5.2815e+00	5.2815e+00	5e-02	2e-02	7e-16	1e-03
5:	5.2963e+00	5.2963e+00	6e-03	2e-03	8e-15	1e-04
6:	5.2982e+00	5.2982e+00	6e-05	2e-05	3e-15	2e-06
7:	5.2982e+00	5.2982e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6095e+00	1.6061e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5794e+00	3.5775e+00	1e+00	4e-01	2e-15	4e-02
3:	4.0228e+00	4.0221e+00	4e-01	1e-01	8e-16	1e-02
4:	4.0458e+00	4.0450e+00	2e-01	6e-02	3e-15	5e-03
5:	4.1020e+00	4.1020e+00	1e-02	4e-03	1e-15	3e-04
6:	4.1061e+00	4.1061e+00	6e-04	2e-04	7e-16	2e-05
7:	4.1063e+00	4.1063e+00	6e-06	2e-06	2e-15	2e-07

8:	4.1063e+00	4.1063e+00	6e-08	2e-08	1e-15	2e-09
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9158e+00	1.9128e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2444e+00	3.2433e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7308e+00	3.7301e+00	4e-01	1e-01	1e-15	1e-02
4:	3.8189e+00	3.8185e+00	1e-01	4e-02	2e-15	3e-03
5:	3.8564e+00	3.8563e+00	2e-02	6e-03	2e-15	5e-04
6:	3.8613e+00	3.8613e+00	4e-03	1e-03	9e-15	9e-05
7:	3.8625e+00	3.8625e+00	1e-04	4e-05	7e-15	3e-06
8:	3.8625e+00	3.8625e+00	1e-06	4e-07	2e-15	3e-08
9:	3.8625e+00	3.8625e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8194e+00	4.8255e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0955e+00	7.0983e+00	2e+00	7e-01	2e-15	5e-02
3:	7.5092e+00	7.5098e+00	4e-01	1e-01	2e-15	1e-02
4:	7.6529e+00	7.6531e+00	1e-01	3e-02	7e-16	2e-03
5:	7.6825e+00	7.6825e+00	3e-03	1e-03	8e-16	8e-05
6:	7.6834e+00	7.6834e+00	3e-05	1e-05	8e-16	8e-07
7:	7.6834e+00	7.6834e+00	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7745e+00	3.7729e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3856e+00	6.3849e+00	2e+00	5e-01	1e-15	4e-02
3:	6.7916e+00	6.7915e+00	2e-01	7e-02	2e-15	6e-03
4:	6.8720e+00	6.8720e+00	3e-02	1e-02	2e-15	9e-04
5:	6.8822e+00	6.8822e+00	4e-04	1e-04	2e-15	9e-06
6:	6.8823e+00	6.8823e+00	4e-06	1e-06	4e-15	9e-08
7:	6.8823e+00	6.8823e+00	4e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6882e+00	3.6869e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3784e+00	6.3778e+00	2e+00	5e-01	2e-15	4e-02
3:	6.7449e+00	6.7448e+00	4e-01	1e-01	2e-15	1e-02
4:	6.8911e+00	6.8911e+00	7e-02	2e-02	1e-15	2e-03
5:	6.9042e+00	6.9041e+00	2e-02	6e-03	2e-14	4e-04
6:	6.9096e+00	6.9096e+00	6e-04	2e-04	2e-15	1e-05
7:	6.9098e+00	6.9098e+00	6e-06	2e-06	8e-15	1e-07
8:	6.9098e+00	6.9098e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.4179e+00	4.4281e+00	7e+00	2e+00	3e-16	2e-01



2:	7.1007e+00	7.1041e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5179e+00	7.5188e+00	4e-01	1e-01	2e-15	8e-03
4:	7.6170e+00	7.6173e+00	1e-01	4e-02	1e-15	3e-03
5:	7.6382e+00	7.6383e+00	2e-02	8e-03	9e-15	6e-04
6:	7.6455e+00	7.6455e+00	3e-04	8e-05	1e-15	6e-06
7:	7.6456e+00	7.6456e+00	3e-06	8e-07	7e-16	6e-08
8:	7.6456e+00	7.6456e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2127e+00	5.2138e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5887e+00	7.5891e+00	2e+00	5e-01	1e-15	4e-02
3:	8.1485e+00	8.1486e+00	4e-01	1e-01	4e-15	1e-02
4:	8.2538e+00	8.2538e+00	8e-02	3e-02	3e-15	2e-03
5:	8.2781e+00	8.2782e+00	1e-02	4e-03	3e-15	3e-04
6:	8.2815e+00	8.2815e+00	9e-04	3e-04	1e-14	2e-05
7:	8.2818e+00	8.2818e+00	1e-05	3e-06	1e-15	2e-07
8:	8.2818e+00	8.2818e+00	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3936e+00	3.3952e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5964e+00	5.5969e+00	1e+00	3e-01	7e-16	3e-02
3:	5.8804e+00	5.8806e+00	2e-01	8e-02	9e-16	6e-03
4:	5.9500e+00	5.9500e+00	6e-02	2e-02	7e-16	2e-03
5:	5.9608e+00	5.9608e+00	1e-02	4e-03	4e-15	3e-04
6:	5.9645e+00	5.9645e+00	1e-04	4e-05	8e-16	3e-06
7:	5.9646e+00	5.9646e+00	1e-06	4e-07	1e-15	3e-08
8:	5.9646e+00	5.9646e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6412e+00	2.6390e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9189e+00	4.9181e+00	1e+00	4e-01	1e-15	3e-02
3:	5.3349e+00	5.3347e+00	3e-01	9e-02	2e-15	7e-03
4:	5.4221e+00	5.4221e+00	3e-02	9e-03	3e-15	8e-04
5:	5.4282e+00	5.4281e+00	5e-03	1e-03	2e-14	1e-04
6:	5.4295e+00	5.4295e+00	5e-05	1e-05	2e-15	1e-06
7:	5.4295e+00	5.4295e+00	5e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9884e+00	2.9890e+00	6e+00	2e+00	2e-16	1e-01
2:	5.0521e+00	5.0523e+00	1e+00	4e-01	7e-16	3e-02
3:	5.3399e+00	5.3400e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4631e+00	5.4631e+00	7e-02	2e-02	2e-15	2e-03
5:	5.4792e+00	5.4792e+00	2e-02	6e-03	7e-15	5e-04
6:	5.4839e+00	5.4839e+00	2e-03	7e-04	1e-14	6e-05

7:	5.4846e+00	5.4846e+00	2e-05	7e-06	2e-15	6e-07
8:	5.4846e+00	5.4846e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1248e+00	3.1271e+00	6e+00	2e+00	2e-16	1e-01
2:	5.1180e+00	5.1188e+00	2e+00	5e-01	3e-15	4e-02
3:	5.6604e+00	5.6607e+00	4e-01	1e-01	2e-15	1e-02
4:	5.7481e+00	5.7481e+00	9e-02	3e-02	1e-15	2e-03
5:	5.7702e+00	5.7702e+00	2e-03	6e-04	4e-15	5e-05
6:	5.7708e+00	5.7708e+00	2e-05	6e-06	2e-15	5e-07
7:	5.7709e+00	5.7709e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2383e+00	3.2382e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3406e+00	5.3405e+00	2e+00	7e-01	4e-15	6e-02
3:	5.6796e+00	5.6796e+00	6e-01	2e-01	1e-15	2e-02
4:	5.8957e+00	5.8957e+00	8e-02	2e-02	1e-15	2e-03
5:	5.9210e+00	5.9210e+00	3e-03	9e-04	7e-16	7e-05
6:	5.9220e+00	5.9220e+00	3e-05	9e-06	5e-16	7e-07
7:	5.9220e+00	5.9220e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1184e+00	2.1155e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5792e+00	3.5779e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9746e+00	3.9742e+00	4e-01	1e-01	1e-15	1e-02
4:	4.0886e+00	4.0884e+00	2e-01	5e-02	2e-15	4e-03
5:	4.1440e+00	4.1439e+00	3e-02	1e-02	2e-15	9e-04
6:	4.1542e+00	4.1542e+00	6e-04	2e-04	3e-15	2e-05
7:	4.1544e+00	4.1544e+00	6e-06	2e-06	1e-15	2e-07
8:	4.1544e+00	4.1544e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2328e+00	4.2316e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3101e+00	6.3097e+00	2e+00	5e-01	2e-15	4e-02
3:	6.7804e+00	6.7803e+00	4e-01	1e-01	3e-15	1e-02
4:	6.9004e+00	6.9004e+00	1e-01	3e-02	3e-15	2e-03
5:	6.9427e+00	6.9427e+00	2e-02	5e-03	1e-15	4e-04
6:	6.9484e+00	6.9484e+00	8e-04	3e-04	8e-15	2e-05
7:	6.9486e+00	6.9486e+00	8e-06	3e-06	2e-14	2e-07
8:	6.9486e+00	6.9486e+00	8e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2017e+00	4.2035e+00	7e+00	2e+00	3e-16	2e-01

2:	6.1785e+00	6.1792e+00	2e+00	6e-01	6e-15	5e-02
3:	6.6468e+00	6.6470e+00	4e-01	1e-01	4e-15	9e-03
4:	6.7804e+00	6.7805e+00	8e-02	3e-02	1e-15	2e-03
5:	6.8020e+00	6.8020e+00	6e-03	2e-03	6e-15	2e-04
6:	6.8037e+00	6.8037e+00	6e-05	2e-05	2e-15	2e-06
7:	6.8037e+00	6.8037e+00	6e-07	2e-07	2e-15	2e-08
8:	6.8037e+00	6.8037e+00	6e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2825e+00	2.2800e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2879e+00	4.2870e+00	1e+00	4e-01	1e-15	3e-02
3:	4.6446e+00	4.6442e+00	4e-01	1e-01	1e-15	1e-02
4:	4.7373e+00	4.7371e+00	1e-01	3e-02	1e-15	3e-03
5:	4.7687e+00	4.7687e+00	1e-02	3e-03	2e-15	3e-04
6:	4.7714e+00	4.7714e+00	1e-04	3e-05	5e-15	3e-06
7:	4.7715e+00	4.7715e+00	1e-06	3e-07	5e-15	3e-08
8:	4.7715e+00	4.7715e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0765e+00	2.0733e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9853e+00	3.9840e+00	1e+00	3e-01	1e-15	3e-02
3:	4.2650e+00	4.2645e+00	2e-01	7e-02	9e-16	6e-03
4:	4.3037e+00	4.3036e+00	2e-02	7e-03	3e-15	6e-04
5:	4.3089e+00	4.3089e+00	2e-03	8e-04	1e-15	6e-05
6:	4.3097e+00	4.3097e+00	8e-05	3e-05	1e-15	2e-06
7:	4.3097e+00	4.3097e+00	8e-07	3e-07	8e-16	2e-08
8:	4.3097e+00	4.3097e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9083e+00	2.9056e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9048e+00	4.9035e+00	2e+00	5e-01	3e-15	4e-02
3:	5.3556e+00	5.3551e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4423e+00	5.4421e+00	1e-01	3e-02	3e-15	3e-03
5:	5.4706e+00	5.4706e+00	3e-02	9e-03	4e-15	8e-04
6:	5.4746e+00	5.4746e+00	8e-03	3e-03	2e-14	2e-04
7:	5.4762e+00	5.4762e+00	1e-03	5e-04	2e-14	4e-05
8:	5.4766e+00	5.4766e+00	3e-05	8e-06	2e-15	7e-07
9:	5.4766e+00	5.4766e+00	3e-07	8e-08	7e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3196e+00	4.3256e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5526e+00	7.5544e+00	1e+00	4e-01	1e-15	3e-02
3:	7.6517e+00	7.6532e+00	9e-01	3e-01	2e-15	2e-02
4:	7.9064e+00	7.9068e+00	2e-01	7e-02	2e-15	5e-03

5:	7.9595e+00	7.9595e+00	1e-02	3e-03	2e-15	2e-04
6:	7.9622e+00	7.9622e+00	1e-03	4e-04	1e-14	3e-05
7:	7.9625e+00	7.9625e+00	1e-04	4e-05	2e-13	3e-06
8:	7.9625e+00	7.9625e+00	1e-06	4e-07	2e-14	3e-08
9:	7.9625e+00	7.9625e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3350e+00	3.3330e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4956e+00	5.4949e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7626e+00	5.7624e+00	2e-01	7e-02	3e-15	6e-03
4:	5.8263e+00	5.8263e+00	5e-02	1e-02	5e-15	1e-03
5:	5.8354e+00	5.8354e+00	1e-02	4e-03	7e-15	3e-04
6:	5.8400e+00	5.8400e+00	6e-04	2e-04	5e-16	1e-05
7:	5.8401e+00	5.8401e+00	6e-06	2e-06	3e-15	1e-07
8:	5.8401e+00	5.8401e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1687e+00	4.1719e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1446e+00	6.1455e+00	2e+00	5e-01	1e-15	4e-02
3:	6.6505e+00	6.6508e+00	4e-01	1e-01	1e-15	1e-02
4:	6.7754e+00	6.7754e+00	6e-02	2e-02	2e-15	1e-03
5:	6.7908e+00	6.7908e+00	8e-03	3e-03	5e-15	2e-04
6:	6.7936e+00	6.7936e+00	2e-04	5e-05	8e-16	4e-06
7:	6.7937e+00	6.7937e+00	2e-06	5e-07	9e-16	4e-08
8:	6.7937e+00	6.7937e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4971e+00	5.5006e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9793e+00	7.9805e+00	2e+00	5e-01	1e-15	4e-02
3:	8.3159e+00	8.3162e+00	3e-01	8e-02	2e-15	6e-03
4:	8.4053e+00	8.4053e+00	4e-02	1e-02	6e-16	1e-03
5:	8.4149e+00	8.4149e+00	7e-03	2e-03	4e-15	2e-04
6:	8.4173e+00	8.4173e+00	9e-05	3e-05	3e-16	2e-06
7:	8.4173e+00	8.4173e+00	9e-07	3e-07	5e-16	2e-08
8:	8.4173e+00	8.4173e+00	9e-09	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5328e+00	3.5331e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7491e+00	5.7492e+00	1e+00	4e-01	2e-15	3e-02
3:	6.0113e+00	6.0113e+00	5e-01	1e-01	3e-15	1e-02
4:	6.1151e+00	6.1151e+00	3e-02	9e-03	1e-15	7e-04
5:	6.1229e+00	6.1229e+00	4e-03	1e-03	8e-16	1e-04
6:	6.1240e+00	6.1240e+00	1e-03	3e-04	8e-16	2e-05
7:	6.1242e+00	6.1242e+00	2e-05	6e-06	2e-15	5e-07

8: 6.1242e+00 6.1242e+00 2e-07 6e-08 8e-16 5e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6735e+00	4.6767e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7665e+00	7.7676e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9559e+00	7.9565e+00	7e-01	2e-01	5e-15	2e-02
4:	8.0617e+00	8.0623e+00	5e-01	2e-01	3e-15	1e-02
5:	8.1453e+00	8.1455e+00	2e-01	5e-02	8e-15	4e-03
6:	8.1849e+00	8.1849e+00	6e-03	2e-03	2e-15	1e-04
7:	8.1864e+00	8.1864e+00	6e-05	2e-05	4e-15	1e-06
8:	8.1864e+00	8.1864e+00	6e-07	2e-07	3e-15	1e-08
9:	8.1864e+00	8.1864e+00	6e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5563e+00	3.5567e+00	7e+00	2e+00	3e-16	2e-01
2:	5.2752e+00	5.2754e+00	2e+00	6e-01	4e-15	5e-02
3:	5.8176e+00	5.8176e+00	5e-01	2e-01	1e-15	1e-02
4:	5.9308e+00	5.9308e+00	1e-01	3e-02	2e-15	3e-03
5:	5.9661e+00	5.9661e+00	2e-02	7e-03	1e-15	5e-04
6:	5.9719e+00	5.9719e+00	2e-03	7e-04	4e-15	5e-05
7:	5.9726e+00	5.9726e+00	2e-05	7e-06	8e-16	6e-07
8:	5.9726e+00	5.9726e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9458e+00	2.9440e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3279e+00	5.3273e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6672e+00	5.6671e+00	2e-01	7e-02	2e-15	6e-03
4:	5.7173e+00	5.7172e+00	4e-02	1e-02	5e-15	1e-03
5:	5.7302e+00	5.7302e+00	6e-03	2e-03	9e-15	2e-04
6:	5.7321e+00	5.7321e+00	4e-04	1e-04	2e-14	1e-05
7:	5.7322e+00	5.7322e+00	4e-06	1e-06	4e-15	1e-07
8:	5.7322e+00	5.7322e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9430e+00	2.9425e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3501e+00	5.3498e+00	2e+00	6e-01	1e-15	5e-02
3:	5.7140e+00	5.7139e+00	4e-01	1e-01	2e-15	1e-02
4:	5.8105e+00	5.8105e+00	8e-02	2e-02	2e-15	2e-03
5:	5.8355e+00	5.8355e+00	1e-02	5e-03	8e-16	4e-04
6:	5.8395e+00	5.8395e+00	2e-04	5e-05	9e-16	4e-06
7:	5.8395e+00	5.8395e+00	2e-06	5e-07	1e-15	4e-08
8:	5.8395e+00	5.8395e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4691e+00	5.4686e+00	6e+00	2e+00	3e-16	1e-01
2:	7.6763e+00	7.6761e+00	2e+00	6e-01	1e-15	5e-02
3:	8.2593e+00	8.2593e+00	3e-01	9e-02	5e-15	7e-03
4:	8.3149e+00	8.3149e+00	4e-02	1e-02	6e-15	1e-03
5:	8.3313e+00	8.3313e+00	8e-03	3e-03	1e-15	2e-04
6:	8.3336e+00	8.3336e+00	6e-04	2e-04	1e-14	2e-05
7:	8.3338e+00	8.3338e+00	6e-06	2e-06	2e-15	2e-07
8:	8.3338e+00	8.3338e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2928e+00	4.2960e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0154e+00	7.0168e+00	2e+00	7e-01	2e-15	5e-02
3:	7.5577e+00	7.5581e+00	5e-01	2e-01	2e-15	1e-02
4:	7.6262e+00	7.6264e+00	1e-01	5e-02	5e-15	4e-03
5:	7.6679e+00	7.6679e+00	3e-02	1e-02	2e-15	8e-04
6:	7.6747e+00	7.6747e+00	4e-04	1e-04	3e-15	9e-06
7:	7.6748e+00	7.6748e+00	2e-05	6e-06	1e-15	4e-07
8:	7.6748e+00	7.6748e+00	3e-06	9e-07	1e-15	7e-08
9:	7.6748e+00	7.6748e+00	3e-08	9e-09	6e-14	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2118e+00	3.2147e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5758e+00	5.5767e+00	2e+00	5e-01	1e-15	4e-02
3:	6.0875e+00	6.0878e+00	4e-01	1e-01	2e-15	1e-02
4:	6.1770e+00	6.1771e+00	8e-02	3e-02	2e-15	2e-03
5:	6.2022e+00	6.2022e+00	7e-03	2e-03	4e-15	2e-04
6:	6.2045e+00	6.2045e+00	7e-05	2e-05	8e-16	2e-06
7:	6.2046e+00	6.2046e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0097e+00	3.0072e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8255e+00	4.8247e+00	1e+00	4e-01	2e-15	4e-02
3:	5.3756e+00	5.3753e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4954e+00	5.4953e+00	9e-02	3e-02	6e-15	2e-03
5:	5.5256e+00	5.5256e+00	3e-03	9e-04	3e-15	7e-05
6:	5.5265e+00	5.5265e+00	3e-05	9e-06	2e-15	7e-07
7:	5.5265e+00	5.5265e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3714e+00	3.3710e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6618e+00	5.6617e+00	1e+00	5e-01	2e-15	4e-02
3:	6.0827e+00	6.0826e+00	3e-01	9e-02	2e-15	7e-03
4:	6.1424e+00	6.1424e+00	7e-02	2e-02	5e-15	2e-03

5:	6.1654e+00	6.1654e+00	1e-02	4e-03	2e-15	3e-04
6:	6.1690e+00	6.1690e+00	1e-04	5e-05	3e-15	4e-06
7:	6.1691e+00	6.1691e+00	1e-06	5e-07	2e-15	4e-08
8:	6.1691e+00	6.1691e+00	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2357e+00	3.2335e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7248e+00	5.7240e+00	1e+00	3e-01	2e-15	3e-02
3:	6.0960e+00	6.0958e+00	2e-01	6e-02	1e-15	5e-03
4:	6.1446e+00	6.1445e+00	5e-02	2e-02	4e-15	1e-03
5:	6.1569e+00	6.1568e+00	6e-03	2e-03	1e-14	1e-04
6:	6.1588e+00	6.1588e+00	6e-05	2e-05	9e-16	1e-06
7:	6.1588e+00	6.1588e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7842e+00	4.7851e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9477e+00	7.9480e+00	2e+00	5e-01	3e-15	4e-02
3:	8.2512e+00	8.2512e+00	3e-01	8e-02	3e-15	7e-03
4:	8.3255e+00	8.3255e+00	5e-02	1e-02	2e-15	1e-03
5:	8.3420e+00	8.3420e+00	2e-03	7e-04	1e-15	5e-05
6:	8.3426e+00	8.3426e+00	2e-05	7e-06	1e-15	5e-07
7:	8.3426e+00	8.3426e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7990e+00	2.7963e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8428e+00	4.8416e+00	2e+00	5e-01	1e-15	5e-02
3:	5.2771e+00	5.2768e+00	2e-01	7e-02	1e-15	6e-03
4:	5.3480e+00	5.3479e+00	5e-02	2e-02	7e-16	1e-03
5:	5.3579e+00	5.3579e+00	1e-02	4e-03	1e-15	4e-04
6:	5.3608e+00	5.3608e+00	1e-03	3e-04	5e-15	3e-05
7:	5.3611e+00	5.3611e+00	2e-05	5e-06	2e-15	4e-07
8:	5.3611e+00	5.3611e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.1182e+00	3.1233e+00	7e+00	2e+00	3e-16	2e-01
2:	5.1689e+00	5.1704e+00	2e+00	5e-01	2e-15	4e-02
3:	5.4902e+00	5.4908e+00	5e-01	1e-01	2e-15	1e-02
4:	5.6101e+00	5.6103e+00	1e-01	4e-02	1e-15	3e-03
5:	5.6455e+00	5.6455e+00	4e-02	1e-02	7e-16	9e-04
6:	5.6562e+00	5.6562e+00	1e-03	4e-04	9e-16	3e-05
7:	5.6565e+00	5.6565e+00	1e-05	4e-06	8e-16	3e-07
8:	5.6565e+00	5.6565e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7521e+00	2.7539e+00	6e+00	2e+00	2e-16	1e-01
2:	4.3532e+00	4.3540e+00	2e+00	6e-01	6e-16	4e-02
3:	4.7948e+00	4.7950e+00	4e-01	1e-01	6e-16	1e-02
4:	4.8874e+00	4.8875e+00	1e-01	4e-02	9e-16	3e-03
5:	4.9119e+00	4.9119e+00	3e-02	8e-03	3e-15	7e-04
6:	4.9160e+00	4.9160e+00	5e-03	2e-03	1e-14	1e-04
7:	4.9173e+00	4.9173e+00	7e-04	2e-04	1e-15	2e-05
8:	4.9175e+00	4.9175e+00	7e-06	2e-06	5e-15	2e-07
9:	4.9175e+00	4.9175e+00	7e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5558e+00	2.5535e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4511e+00	4.4504e+00	1e+00	3e-01	4e-15	3e-02
3:	4.7297e+00	4.7295e+00	2e-01	7e-02	2e-15	6e-03
4:	4.8123e+00	4.8123e+00	5e-02	1e-02	2e-15	1e-03
5:	4.8238e+00	4.8238e+00	7e-04	2e-04	2e-15	2e-05
6:	4.8239e+00	4.8239e+00	7e-06	2e-06	4e-15	2e-07
7:	4.8239e+00	4.8239e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1135e+00	3.1122e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5203e+00	5.5200e+00	1e+00	3e-01	2e-15	3e-02
3:	5.7776e+00	5.7775e+00	2e-01	5e-02	1e-15	4e-03
4:	5.8287e+00	5.8287e+00	4e-02	1e-02	3e-15	1e-03
5:	5.8383e+00	5.8383e+00	5e-04	2e-04	5e-15	1e-05
6:	5.8384e+00	5.8384e+00	5e-06	2e-06	3e-15	1e-07
7:	5.8384e+00	5.8384e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4364e+00	3.4401e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3570e+00	6.3584e+00	2e+00	6e-01	2e-15	5e-02
3:	6.8314e+00	6.8319e+00	7e-01	2e-01	1e-15	2e-02
4:	6.9447e+00	6.9450e+00	2e-01	6e-02	2e-15	4e-03
5:	7.0004e+00	7.0004e+00	9e-03	3e-03	1e-15	2e-04
6:	7.0028e+00	7.0028e+00	9e-05	3e-05	1e-15	2e-06
7:	7.0029e+00	7.0029e+00	9e-07	3e-07	2e-15	2e-08
8:	7.0029e+00	7.0029e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4613e+00	2.4585e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6486e+00	4.6475e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9931e+00	4.9929e+00	1e-01	5e-02	1e-15	4e-03
4:	5.0234e+00	5.0233e+00	5e-02	2e-02	4e-15	1e-03



5:	5.0418e+00	5.0418e+00	1e-03	4e-04	2e-15	3e-05
6:	5.0422e+00	5.0422e+00	1e-05	4e-06	2e-15	3e-07
7:	5.0422e+00	5.0422e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.9313e+00	3.9447e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8596e+00	5.8659e+00	3e+00	8e-01	5e-16	6e-02
3:	6.2598e+00	6.2625e+00	7e-01	2e-01	1e-15	2e-02
4:	6.4486e+00	6.4490e+00	1e-01	3e-02	7e-16	2e-03
5:	6.4748e+00	6.4748e+00	1e-02	4e-03	6e-16	3e-04
6:	6.4780e+00	6.4780e+00	2e-04	7e-05	1e-15	5e-06
7:	6.4780e+00	6.4780e+00	2e-06	7e-07	1e-15	5e-08
8:	6.4780e+00	6.4780e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6937e+00	3.6926e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8347e+00	5.8343e+00	2e+00	5e-01	2e-15	4e-02
3:	6.1831e+00	6.1828e+00	6e-01	2e-01	3e-15	2e-02
4:	6.3555e+00	6.3555e+00	8e-02	3e-02	2e-15	2e-03
5:	6.3823e+00	6.3823e+00	2e-02	7e-03	3e-15	6e-04
6:	6.3875e+00	6.3874e+00	4e-03	1e-03	2e-14	9e-05
7:	6.3887e+00	6.3887e+00	4e-05	1e-05	2e-15	1e-06
8:	6.3887e+00	6.3887e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7574e+00	4.7582e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3796e+00	7.3799e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9573e+00	7.9574e+00	3e-01	1e-01	1e-15	8e-03
4:	8.0193e+00	8.0193e+00	6e-02	2e-02	3e-15	1e-03
5:	8.0324e+00	8.0324e+00	1e-03	3e-04	3e-15	3e-05
6:	8.0327e+00	8.0327e+00	1e-05	3e-06	2e-15	3e-07
7:	8.0327e+00	8.0327e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6588e+00	4.6624e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9159e+00	6.9171e+00	2e+00	5e-01	2e-15	4e-02
3:	7.5490e+00	7.5493e+00	4e-01	1e-01	1e-15	1e-02
4:	7.6672e+00	7.6674e+00	7e-02	2e-02	8e-15	2e-03
5:	7.6859e+00	7.6859e+00	1e-02	3e-03	7e-15	3e-04
6:	7.6897e+00	7.6897e+00	1e-04	5e-05	2e-15	4e-06
7:	7.6897e+00	7.6897e+00	1e-06	5e-07	2e-15	4e-08
8:	7.6897e+00	7.6897e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9513e+00	4.9550e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8862e+00	7.8872e+00	1e+00	4e-01	1e-15	3e-02
3:	8.1281e+00	8.1283e+00	2e-01	6e-02	2e-15	4e-03
4:	8.1619e+00	8.1619e+00	3e-02	9e-03	6e-15	7e-04
5:	8.1712e+00	8.1712e+00	2e-03	6e-04	2e-15	4e-05
6:	8.1717e+00	8.1717e+00	2e-05	6e-06	2e-15	5e-07
7:	8.1717e+00	8.1717e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3156e+00	3.3160e+00	6e+00	2e+00	2e-16	1e-01
2:	5.2434e+00	5.2436e+00	3e+00	8e-01	9e-16	7e-02
3:	5.7010e+00	5.7012e+00	8e-01	2e-01	9e-16	2e-02
4:	5.9176e+00	5.9177e+00	1e-01	4e-02	1e-15	3e-03
5:	5.9477e+00	5.9477e+00	2e-02	5e-03	1e-15	4e-04
6:	5.9525e+00	5.9525e+00	3e-03	1e-03	4e-16	8e-05
7:	5.9532e+00	5.9532e+00	4e-04	1e-04	1e-14	1e-05
8:	5.9534e+00	5.9534e+00	5e-06	1e-06	8e-16	1e-07
9:	5.9534e+00	5.9534e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6388e+00	4.6410e+00	6e+00	2e+00	2e-16	1e-01
2:	6.8052e+00	6.8059e+00	1e+00	4e-01	1e-15	3e-02
3:	7.2544e+00	7.2546e+00	2e-01	8e-02	4e-15	6e-03
4:	7.3220e+00	7.3220e+00	4e-02	1e-02	5e-15	1e-03
5:	7.3367e+00	7.3367e+00	7e-03	2e-03	2e-15	2e-04
6:	7.3395e+00	7.3395e+00	7e-04	2e-04	3e-15	2e-05
7:	7.3398e+00	7.3398e+00	7e-06	2e-06	7e-15	2e-07
8:	7.3398e+00	7.3398e+00	7e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3765e+00	4.3765e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7451e+00	6.7451e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1769e+00	7.1769e+00	3e-01	9e-02	1e-15	7e-03
4:	7.2656e+00	7.2656e+00	4e-02	1e-02	6e-15	1e-03
5:	7.2794e+00	7.2794e+00	5e-04	2e-04	1e-15	1e-05
6:	7.2796e+00	7.2796e+00	5e-06	2e-06	1e-15	1e-07
7:	7.2796e+00	7.2796e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4203e+00	4.4202e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8687e+00	6.8687e+00	2e+00	6e-01	1e-15	5e-02
3:	7.1282e+00	7.1281e+00	6e-01	2e-01	4e-15	1e-02
4:	7.3153e+00	7.3153e+00	2e-01	6e-02	2e-15	5e-03

5:	7.3391e+00	7.3390e+00	5e-02	2e-02	2e-15	1e-03
6:	7.3553e+00	7.3553e+00	9e-04	3e-04	5e-16	2e-05
7:	7.3556e+00	7.3556e+00	1e-05	3e-06	3e-15	2e-07
8:	7.3556e+00	7.3556e+00	1e-07	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0304e+00	3.0280e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5256e+00	4.5238e+00	2e+00	6e-01	4e-15	5e-02
3:	4.8429e+00	4.8420e+00	8e-01	2e-01	2e-15	2e-02
4:	5.0019e+00	5.0017e+00	7e-02	2e-02	3e-15	2e-03
5:	5.0192e+00	5.0192e+00	8e-03	2e-03	3e-15	2e-04
6:	5.0214e+00	5.0214e+00	2e-04	6e-05	5e-15	5e-06
7:	5.0215e+00	5.0215e+00	2e-06	6e-07	5e-15	5e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7293e+00	4.7316e+00	6e+00	2e+00	3e-16	1e-01
2:	6.5159e+00	6.5168e+00	2e+00	5e-01	3e-15	4e-02
3:	7.1142e+00	7.1144e+00	3e-01	1e-01	8e-16	8e-03
4:	7.2304e+00	7.2305e+00	4e-02	1e-02	8e-15	9e-04
5:	7.2450e+00	7.2450e+00	3e-03	8e-04	1e-15	6e-05
6:	7.2460e+00	7.2460e+00	4e-05	1e-05	9e-16	1e-06
7:	7.2460e+00	7.2460e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3897e+00	4.3979e+00	8e+00	2e+00	2e-16	2e-01
2:	6.4625e+00	6.4657e+00	2e+00	7e-01	1e-15	5e-02
3:	6.9604e+00	6.9614e+00	5e-01	2e-01	1e-15	1e-02
4:	7.0977e+00	7.0981e+00	2e-01	5e-02	1e-15	4e-03
5:	7.1577e+00	7.1578e+00	3e-02	1e-02	1e-15	8e-04
6:	7.1673e+00	7.1674e+00	1e-03	4e-04	7e-15	3e-05
7:	7.1677e+00	7.1677e+00	1e-05	4e-06	9e-16	3e-07
8:	7.1677e+00	7.1677e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.9526e+00	3.9652e+00	8e+00	3e+00	2e-16	2e-01
2:	6.1751e+00	6.1782e+00	2e+00	5e-01	1e-15	3e-02
3:	6.5857e+00	6.5865e+00	4e-01	1e-01	6e-16	8e-03
4:	6.6691e+00	6.6692e+00	5e-02	1e-02	7e-16	1e-03
5:	6.6805e+00	6.6805e+00	8e-03	2e-03	2e-15	2e-04
6:	6.6822e+00	6.6822e+00	2e-04	6e-05	2e-15	5e-06
7:	6.6823e+00	6.6823e+00	2e-06	6e-07	7e-16	5e-08
8:	6.6823e+00	6.6823e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3719e+00	3.3697e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9303e+00	5.9296e+00	9e-01	3e-01	3e-15	2e-02
3:	6.2201e+00	6.2199e+00	2e-01	7e-02	5e-15	6e-03
4:	6.2571e+00	6.2570e+00	6e-02	2e-02	9e-15	2e-03
5:	6.2776e+00	6.2776e+00	1e-03	4e-04	2e-15	3e-05
6:	6.2780e+00	6.2780e+00	1e-05	4e-06	1e-15	3e-07
7:	6.2780e+00	6.2780e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7946e+00	5.7935e+00	6e+00	2e+00	3e-16	2e-01
2:	8.3936e+00	8.3932e+00	1e+00	5e-01	2e-15	4e-02
3:	8.6916e+00	8.6914e+00	6e-01	2e-01	5e-15	1e-02
4:	8.8801e+00	8.8801e+00	1e-01	4e-02	5e-15	3e-03
5:	8.9102e+00	8.9102e+00	5e-02	2e-02	9e-15	1e-03
6:	8.9238e+00	8.9238e+00	8e-03	2e-03	2e-14	2e-04
7:	8.9267e+00	8.9267e+00	8e-05	3e-05	2e-15	2e-06
8:	8.9267e+00	8.9267e+00	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0004e+00	4.0101e+00	8e+00	2e+00	2e-16	2e-01
2:	6.6481e+00	6.6512e+00	2e+00	6e-01	2e-15	4e-02
3:	7.2089e+00	7.2096e+00	3e-01	1e-01	1e-15	7e-03
4:	7.2517e+00	7.2519e+00	8e-02	2e-02	8e-15	2e-03
5:	7.2705e+00	7.2706e+00	4e-02	1e-02	4e-15	9e-04
6:	7.2794e+00	7.2794e+00	5e-03	2e-03	4e-15	1e-04
7:	7.2805e+00	7.2805e+00	4e-04	1e-04	3e-14	1e-05
8:	7.2806e+00	7.2806e+00	9e-06	3e-06	4e-15	2e-07
9:	7.2806e+00	7.2806e+00	9e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0775e+00	5.0781e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5044e+00	7.5046e+00	1e+00	5e-01	2e-15	4e-02
3:	7.9566e+00	7.9566e+00	2e-01	7e-02	2e-15	5e-03
4:	8.0257e+00	8.0257e+00	2e-02	6e-03	3e-15	5e-04
5:	8.0305e+00	8.0305e+00	2e-04	6e-05	7e-16	5e-06
6:	8.0306e+00	8.0306e+00	2e-06	6e-07	5e-16	5e-08
7:	8.0306e+00	8.0306e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.2129e+00	5.2239e+00	8e+00	2e+00	3e-16	2e-01
2:	8.0029e+00	8.0082e+00	3e+00	9e-01	1e-15	6e-02
3:	8.7157e+00	8.7173e+00	5e-01	2e-01	1e-15	1e-02
4:	8.8925e+00	8.8926e+00	3e-02	9e-03	6e-16	7e-04

5:	8.9009e+00	8.9009e+00	3e-04	9e-05	8e-16	7e-06
6:	8.9009e+00	8.9009e+00	3e-06	9e-07	6e-16	7e-08
7:	8.9009e+00	8.9009e+00	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2672e+00	5.2680e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7600e+00	7.7602e+00	1e+00	4e-01	3e-15	3e-02
3:	8.2024e+00	8.2024e+00	2e-01	6e-02	1e-15	5e-03
4:	8.2708e+00	8.2708e+00	3e-02	9e-03	4e-15	7e-04
5:	8.2784e+00	8.2784e+00	5e-04	2e-04	7e-15	1e-05
6:	8.2786e+00	8.2786e+00	5e-06	2e-06	5e-15	1e-07
7:	8.2786e+00	8.2786e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4264e+00	3.4283e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7098e+00	5.7104e+00	1e+00	4e-01	1e-15	3e-02
3:	6.0822e+00	6.0824e+00	2e-01	8e-02	2e-15	6e-03
4:	6.1670e+00	6.1670e+00	4e-02	1e-02	3e-15	1e-03
5:	6.1785e+00	6.1785e+00	7e-03	2e-03	6e-15	2e-04
6:	6.1801e+00	6.1801e+00	4e-04	1e-04	4e-14	9e-06
7:	6.1802e+00	6.1802e+00	4e-06	1e-06	7e-15	9e-08
8:	6.1802e+00	6.1802e+00	4e-08	1e-08	7e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5163e+00	3.5204e+00	7e+00	2e+00	2e-16	2e-01
2:	6.0289e+00	6.0303e+00	1e+00	4e-01	1e-15	3e-02
3:	6.3157e+00	6.3163e+00	5e-01	2e-01	1e-15	1e-02
4:	6.4096e+00	6.4098e+00	1e-01	3e-02	1e-15	2e-03
5:	6.4397e+00	6.4397e+00	5e-03	1e-03	7e-16	1e-04
6:	6.4408e+00	6.4408e+00	5e-05	1e-05	1e-15	1e-06
7:	6.4408e+00	6.4408e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0243e+00	4.0224e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3325e+00	6.3318e+00	1e+00	5e-01	4e-15	4e-02
3:	6.8131e+00	6.8129e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9117e+00	6.9116e+00	3e-02	1e-02	6e-15	9e-04
5:	6.9264e+00	6.9264e+00	4e-04	1e-04	1e-15	1e-05
6:	6.9266e+00	6.9266e+00	4e-06	1e-06	9e-16	1e-07
7:	6.9266e+00	6.9266e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7665e+00	3.7707e+00	7e+00	2e+00	2e-16	2e-01

2:	5.9161e+00	5.9175e+00	1e+00	5e-01	1e-15	4e-02
3:	6.3901e+00	6.3903e+00	2e-01	5e-02	5e-16	4e-03
4:	6.4124e+00	6.4125e+00	6e-02	2e-02	6e-15	1e-03
5:	6.4300e+00	6.4300e+00	2e-03	6e-04	1e-15	5e-05
6:	6.4305e+00	6.4305e+00	2e-05	6e-06	7e-16	5e-07
7:	6.4305e+00	6.4305e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7827e+00	4.7863e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5907e+00	7.5923e+00	2e+00	7e-01	1e-15	6e-02
3:	8.1633e+00	8.1642e+00	8e-01	2e-01	2e-15	2e-02
4:	8.3112e+00	8.3115e+00	2e-01	6e-02	3e-15	4e-03
5:	8.3697e+00	8.3698e+00	4e-02	1e-02	8e-16	1e-03
6:	8.3807e+00	8.3807e+00	2e-03	5e-04	7e-15	4e-05
7:	8.3811e+00	8.3811e+00	2e-05	6e-06	4e-15	4e-07
8:	8.3811e+00	8.3811e+00	2e-07	6e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8875e+00	3.8860e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4300e+00	6.4295e+00	1e+00	4e-01	2e-15	3e-02
3:	6.8378e+00	6.8376e+00	3e-01	8e-02	3e-15	7e-03
4:	6.9077e+00	6.9077e+00	8e-02	2e-02	8e-15	2e-03
5:	6.9309e+00	6.9309e+00	1e-02	4e-03	2e-14	3e-04
6:	6.9346e+00	6.9346e+00	2e-04	5e-05	4e-15	4e-06
7:	6.9346e+00	6.9346e+00	2e-06	5e-07	3e-15	4e-08
8:	6.9346e+00	6.9346e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9067e+00	1.9039e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7947e+00	3.7938e+00	1e+00	3e-01	2e-15	3e-02
3:	4.0854e+00	4.0850e+00	3e-01	8e-02	3e-15	7e-03
4:	4.1810e+00	4.1809e+00	3e-02	1e-02	9e-16	9e-04
5:	4.1916e+00	4.1916e+00	4e-04	1e-04	1e-15	9e-06
6:	4.1917e+00	4.1917e+00	4e-06	1e-06	1e-15	9e-08
7:	4.1917e+00	4.1917e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1418e+00	4.1435e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1589e+00	6.1594e+00	1e+00	4e-01	1e-15	3e-02
3:	6.5610e+00	6.5612e+00	3e-01	8e-02	1e-15	6e-03
4:	6.6504e+00	6.6504e+00	4e-02	1e-02	1e-15	9e-04
5:	6.6610e+00	6.6610e+00	4e-04	1e-04	1e-15	9e-06
6:	6.6611e+00	6.6611e+00	4e-06	1e-06	1e-15	9e-08
7:	6.6611e+00	6.6611e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9811e+00	4.9833e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6865e+00	7.6872e+00	1e+00	5e-01	2e-15	4e-02
3:	8.0532e+00	8.0534e+00	3e-01	1e-01	2e-15	8e-03
4:	8.1247e+00	8.1247e+00	5e-02	2e-02	3e-15	1e-03
5:	8.1397e+00	8.1397e+00	1e-02	3e-03	7e-15	3e-04
6:	8.1412e+00	8.1412e+00	1e-03	4e-04	1e-13	3e-05
7:	8.1415e+00	8.1415e+00	2e-04	6e-05	2e-14	5e-06
8:	8.1416e+00	8.1416e+00	6e-06	2e-06	8e-16	1e-07
9:	8.1416e+00	8.1416e+00	6e-08	2e-08	9e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5502e+00	3.5552e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9195e+00	5.9216e+00	3e+00	8e-01	2e-15	6e-02
3:	6.7412e+00	6.7423e+00	9e-01	3e-01	3e-15	2e-02
4:	6.8558e+00	6.8562e+00	2e-01	7e-02	4e-15	6e-03
5:	6.9155e+00	6.9156e+00	5e-02	2e-02	5e-15	1e-03
6:	6.9326e+00	6.9326e+00	1e-02	4e-03	4e-15	3e-04
7:	6.9357e+00	6.9357e+00	1e-03	3e-04	2e-14	2e-05
8:	6.9359e+00	6.9359e+00	1e-05	3e-06	1e-14	2e-07
9:	6.9359e+00	6.9359e+00	1e-07	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9434e+00	3.9417e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8871e+00	5.8865e+00	1e+00	4e-01	3e-15	4e-02
3:	6.4287e+00	6.4285e+00	2e-01	6e-02	2e-15	5e-03
4:	6.4877e+00	6.4876e+00	4e-02	1e-02	6e-15	1e-03
5:	6.5037e+00	6.5037e+00	5e-04	1e-04	1e-15	1e-05
6:	6.5038e+00	6.5038e+00	5e-06	1e-06	2e-15	1e-07
7:	6.5038e+00	6.5038e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5424e+00	3.5417e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2490e+00	6.2487e+00	2e+00	6e-01	1e-15	5e-02
3:	6.6824e+00	6.6823e+00	6e-01	2e-01	3e-15	1e-02
4:	6.8067e+00	6.8067e+00	2e-01	5e-02	7e-15	4e-03
5:	6.8402e+00	6.8402e+00	3e-02	1e-02	4e-15	8e-04
6:	6.8495e+00	6.8495e+00	5e-03	1e-03	1e-15	1e-04
7:	6.8507e+00	6.8507e+00	5e-05	2e-05	2e-15	1e-06
8:	6.8507e+00	6.8507e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.0331e+00	2.0304e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3313e+00	4.3303e+00	1e+00	3e-01	2e-15	3e-02
3:	4.6099e+00	4.6094e+00	3e-01	1e-01	1e-15	9e-03
4:	4.7024e+00	4.7023e+00	7e-02	2e-02	2e-15	2e-03
5:	4.7171e+00	4.7171e+00	2e-02	6e-03	1e-14	5e-04
6:	4.7226e+00	4.7226e+00	2e-03	6e-04	2e-15	5e-05
7:	4.7230e+00	4.7230e+00	2e-05	6e-06	5e-15	5e-07
8:	4.7230e+00	4.7230e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7102e+00	5.7146e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4910e+00	8.4924e+00	2e+00	5e-01	1e-15	4e-02
3:	8.8641e+00	8.8643e+00	2e-01	6e-02	2e-15	5e-03
4:	8.9354e+00	8.9355e+00	4e-02	1e-02	2e-15	1e-03
5:	8.9477e+00	8.9477e+00	2e-03	5e-04	1e-14	4e-05
6:	8.9482e+00	8.9482e+00	2e-05	5e-06	2e-15	4e-07
7:	8.9482e+00	8.9482e+00	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1649e+00	2.1645e+00	6e+00	2e+00	2e-16	1e-01
2:	3.8638e+00	3.8635e+00	2e+00	7e-01	9e-16	5e-02
3:	4.3211e+00	4.3211e+00	5e-01	1e-01	9e-16	1e-02
4:	4.4560e+00	4.4560e+00	2e-01	5e-02	8e-16	4e-03
5:	4.4818e+00	4.4818e+00	5e-02	2e-02	3e-15	1e-03
6:	4.4972e+00	4.4972e+00	1e-03	4e-04	2e-15	3e-05
7:	4.4976e+00	4.4976e+00	1e-05	4e-06	1e-15	3e-07
8:	4.4976e+00	4.4976e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6412e+00	3.6406e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3413e+00	6.3411e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6145e+00	6.6144e+00	3e-01	1e-01	3e-15	8e-03
4:	6.6939e+00	6.6939e+00	6e-02	2e-02	2e-15	1e-03
5:	6.7140e+00	6.7140e+00	1e-02	4e-03	3e-15	3e-04
6:	6.7171e+00	6.7171e+00	2e-04	7e-05	1e-14	6e-06
7:	6.7172e+00	6.7172e+00	2e-06	7e-07	4e-15	6e-08
8:	6.7172e+00	6.7172e+00	2e-08	7e-09	6e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2637e+00	2.2636e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1421e+00	4.1420e+00	1e+00	4e-01	1e-15	3e-02
3:	4.6291e+00	4.6291e+00	3e-01	8e-02	9e-16	7e-03
4:	4.6875e+00	4.6875e+00	5e-02	2e-02	3e-15	1e-03
5:	4.7009e+00	4.7009e+00	4e-03	1e-03	2e-15	1e-04



6:	4.7021e+00	4.7021e+00	7e-05	2e-05	5e-16	2e-06
7:	4.7021e+00	4.7021e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3601e+00	4.3665e+00	8e+00	2e+00	2e-16	2e-01
2:	7.3870e+00	7.3892e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9334e+00	7.9341e+00	5e-01	2e-01	2e-15	1e-02
4:	8.0817e+00	8.0818e+00	8e-02	2e-02	3e-15	2e-03
5:	8.1028e+00	8.1028e+00	3e-03	9e-04	1e-14	7e-05
6:	8.1036e+00	8.1036e+00	3e-05	1e-05	1e-14	7e-07
7:	8.1036e+00	8.1036e+00	3e-07	1e-07	1e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4613e+00	3.4599e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2415e+00	5.2408e+00	2e+00	5e-01	2e-15	4e-02
3:	5.5950e+00	5.5946e+00	7e-01	2e-01	1e-15	2e-02
4:	5.8260e+00	5.8259e+00	1e-01	3e-02	8e-16	3e-03
5:	5.8553e+00	5.8553e+00	1e-02	4e-03	3e-15	3e-04
6:	5.8595e+00	5.8595e+00	2e-03	6e-04	7e-16	5e-05
7:	5.8600e+00	5.8600e+00	2e-05	6e-06	1e-15	5e-07
8:	5.8600e+00	5.8600e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9637e+00	3.9642e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4350e+00	6.4352e+00	2e+00	7e-01	9e-16	5e-02
3:	6.8860e+00	6.8861e+00	3e-01	1e-01	2e-15	8e-03
4:	6.9581e+00	6.9581e+00	6e-02	2e-02	1e-15	2e-03
5:	6.9771e+00	6.9771e+00	9e-03	3e-03	5e-16	2e-04
6:	6.9790e+00	6.9790e+00	5e-04	2e-04	1e-15	1e-05
7:	6.9792e+00	6.9792e+00	5e-06	2e-06	3e-16	1e-07
8:	6.9792e+00	6.9792e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2709e+00	4.2721e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9281e+00	6.9285e+00	2e+00	6e-01	4e-15	4e-02
3:	7.4141e+00	7.4143e+00	5e-01	2e-01	3e-15	1e-02
4:	7.5180e+00	7.5181e+00	2e-01	5e-02	6e-15	4e-03
5:	7.5674e+00	7.5674e+00	5e-02	2e-02	2e-15	1e-03
6:	7.5748e+00	7.5748e+00	2e-02	5e-03	1e-14	4e-04
7:	7.5799e+00	7.5799e+00	4e-04	1e-04	1e-15	1e-05
8:	7.5800e+00	7.5800e+00	4e-06	1e-06	2e-15	1e-07
9:	7.5800e+00	7.5800e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6643e+00	3.6667e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5360e+00	5.5367e+00	1e+00	4e-01	2e-15	3e-02
3:	6.0162e+00	6.0165e+00	4e-01	1e-01	1e-15	8e-03
4:	6.1346e+00	6.1346e+00	6e-02	2e-02	2e-15	1e-03
5:	6.1590e+00	6.1590e+00	1e-03	4e-04	8e-16	3e-05
6:	6.1594e+00	6.1594e+00	1e-05	4e-06	8e-16	3e-07
7:	6.1594e+00	6.1594e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2138e+00	5.2154e+00	6e+00	2e+00	3e-16	1e-01
2:	7.4258e+00	7.4263e+00	1e+00	4e-01	3e-15	3e-02
3:	7.8315e+00	7.8316e+00	3e-01	8e-02	1e-15	7e-03
4:	7.8771e+00	7.8772e+00	1e-01	4e-02	2e-15	3e-03
5:	7.9190e+00	7.9190e+00	1e-02	4e-03	1e-15	3e-04
6:	7.9221e+00	7.9221e+00	2e-03	7e-04	2e-14	5e-05
7:	7.9228e+00	7.9228e+00	2e-05	7e-06	2e-15	6e-07
8:	7.9228e+00	7.9228e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2569e+00	4.2586e+00	7e+00	2e+00	3e-16	2e-01
2:	6.0772e+00	6.0777e+00	1e+00	5e-01	2e-15	4e-02
3:	6.6892e+00	6.6894e+00	4e-01	1e-01	9e-16	1e-02
4:	6.8143e+00	6.8144e+00	9e-02	3e-02	4e-15	2e-03
5:	6.8361e+00	6.8362e+00	2e-02	5e-03	2e-15	4e-04
6:	6.8419e+00	6.8419e+00	1e-03	3e-04	1e-15	2e-05
7:	6.8421e+00	6.8421e+00	4e-05	1e-05	6e-14	1e-06
8:	6.8421e+00	6.8421e+00	4e-07	1e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4756e+00	4.4804e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7663e+00	6.7680e+00	2e+00	5e-01	2e-15	4e-02
3:	7.1758e+00	7.1763e+00	4e-01	1e-01	1e-15	1e-02
4:	7.2722e+00	7.2723e+00	7e-02	2e-02	2e-15	2e-03
5:	7.3017e+00	7.3017e+00	7e-03	2e-03	5e-16	2e-04
6:	7.3033e+00	7.3033e+00	1e-03	4e-04	2e-14	3e-05
7:	7.3036e+00	7.3036e+00	2e-05	7e-06	8e-15	5e-07
8:	7.3036e+00	7.3036e+00	2e-07	7e-08	2e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5832e+00	3.5805e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2396e+00	6.2386e+00	1e+00	4e-01	2e-15	3e-02
3:	6.4929e+00	6.4926e+00	2e-01	7e-02	3e-15	6e-03
4:	6.5722e+00	6.5722e+00	3e-02	1e-02	5e-15	8e-04

5:	6.5810e+00	6.5810e+00	4e-04	1e-04	7e-15	1e-05
6:	6.5812e+00	6.5812e+00	4e-06	1e-06	5e-15	1e-07
7:	6.5812e+00	6.5812e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6204e+00	3.6265e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7000e+00	5.7025e+00	2e+00	6e-01	6e-16	4e-02
3:	6.1342e+00	6.1352e+00	7e-01	2e-01	1e-15	2e-02
4:	6.2906e+00	6.2908e+00	1e-01	4e-02	2e-15	3e-03
5:	6.3149e+00	6.3150e+00	2e-02	7e-03	3e-15	5e-04
6:	6.3203e+00	6.3203e+00	3e-03	8e-04	9e-15	6e-05
7:	6.3211e+00	6.3211e+00	3e-05	9e-06	8e-16	7e-07
8:	6.3212e+00	6.3212e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3274e+00	3.3257e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2723e+00	5.2717e+00	1e+00	4e-01	3e-15	3e-02
3:	5.7799e+00	5.7797e+00	2e-01	8e-02	1e-15	6e-03
4:	5.8246e+00	5.8245e+00	4e-02	1e-02	2e-15	1e-03
5:	5.8316e+00	5.8316e+00	1e-02	3e-03	6e-15	3e-04
6:	5.8335e+00	5.8335e+00	3e-03	1e-03	2e-15	8e-05
7:	5.8342e+00	5.8342e+00	3e-05	1e-05	7e-15	9e-07
8:	5.8342e+00	5.8342e+00	3e-07	1e-07	6e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0144e+00	4.0141e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1365e+00	6.1363e+00	2e+00	5e-01	2e-15	4e-02
3:	6.6207e+00	6.6206e+00	4e-01	1e-01	9e-16	9e-03
4:	6.7171e+00	6.7171e+00	4e-02	1e-02	3e-15	1e-03
5:	6.7325e+00	6.7325e+00	9e-04	3e-04	9e-16	2e-05
6:	6.7327e+00	6.7327e+00	9e-06	3e-06	9e-16	2e-07
7:	6.7327e+00	6.7327e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9565e+00	2.9552e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9312e+00	4.9307e+00	2e+00	5e-01	2e-15	4e-02
3:	5.2766e+00	5.2765e+00	3e-01	1e-01	2e-15	9e-03
4:	5.3628e+00	5.3628e+00	6e-02	2e-02	2e-15	2e-03
5:	5.3837e+00	5.3837e+00	2e-02	6e-03	4e-15	5e-04
6:	5.3862e+00	5.3862e+00	9e-03	3e-03	1e-14	2e-04
7:	5.3890e+00	5.3890e+00	4e-04	1e-04	2e-15	1e-05
8:	5.3892e+00	5.3892e+00	4e-06	1e-06	9e-16	1e-07
9:	5.3892e+00	5.3892e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8934e+00	2.8923e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1094e+00	5.1090e+00	1e+00	5e-01	2e-15	4e-02
3:	5.4779e+00	5.4778e+00	4e-01	1e-01	8e-16	9e-03
4:	5.5976e+00	5.5975e+00	5e-02	2e-02	9e-16	1e-03
5:	5.6107e+00	5.6106e+00	6e-03	2e-03	7e-15	2e-04
6:	5.6127e+00	5.6127e+00	7e-05	2e-05	1e-15	2e-06
7:	5.6128e+00	5.6128e+00	7e-07	2e-07	1e-15	2e-08
8:	5.6128e+00	5.6128e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0958e-01	6.0622e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9606e-01	6e-01	2e-01	7e-16	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	6e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3636e-01	5.3321e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9706e-01	9.9533e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9988e-01	9.9985e-01	1e-02	4e-03	5e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	7e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	2e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8287e-01	4.8008e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9690e-01	9.9480e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9895e-01	9.9873e-01	3e-02	8e-03	2e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	4e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	6e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8823e-01	4.8541e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9485e-01	1e+00	5e-01	1e-15	5e-02
3:	9.9944e-01	9.9932e-01	2e-02	6e-03	2e-15	6e-04
4:	9.9999e-01	9.9999e-01	2e-04	6e-05	2e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	6e-07	5e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	6e-09	2e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8249e-01	6.7948e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9702e-01	9.9679e-01	2e-01	5e-02	2e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9599e-01	5.9264e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9593e-01	6e-01	2e-01	1e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	3.8344e-01	3.8159e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9648e-01	9.9382e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9063e-01	9.8855e-01	2e-01	5e-02	3e-15	4e-03
4:	9.9991e-01	9.9989e-01	2e-03	5e-04	3e-16	4e-05
5:	1.0000e+00	1.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7612e-01	5.7280e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9573e-01	7e-01	2e-01	4e-15	2e-02
3:	9.9996e-01	9.9995e-01	8e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.4770e-01	5.4448e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9701e-01	9.9544e-01	1e+00	3e-01	4e-15	3e-02
3:	9.9989e-01	9.9987e-01	1e-02	4e-03	6e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	5e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	7e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6794e-01	6.6480e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9696e-01	9.9665e-01	2e-01	5e-02	1e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	4e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	5e-07

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5: 1.0000e+00 1.0000e+00 2e-07 5e-08 3e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.3817e-01 6.3488e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9692e-01 9.9635e-01 3e-01 1e-01 1e-15 9e-03
3: 9.9997e-01 9.9996e-01 3e-03 1e-03 2e-16 9e-05
4: 1.0000e+00 1.0000e+00 3e-05 1e-05 2e-16 9e-07
5: 1.0000e+00 1.0000e+00 3e-07 1e-07 2e-16 9e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.0437e-01 6.0101e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9697e-01 9.9601e-01 5e-01 2e-01 2e-15 2e-02
3: 9.9997e-01 9.9996e-01 5e-03 2e-03 4e-16 2e-04
4: 1.0000e+00 1.0000e+00 5e-05 2e-05 5e-16 2e-06
5: 1.0000e+00 1.0000e+00 5e-07 2e-07 8e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 5.6671e-01 5.6342e-01 5e+00 2e+00 1e-16 2e-01
2: 9.9704e-01 9.9563e-01 8e-01 3e-01 5e-16 3e-02
3: 9.9995e-01 9.9993e-01 9e-03 3e-03 7e-16 3e-04
4: 1.0000e+00 1.0000e+00 9e-05 3e-05 4e-16 3e-06
5: 1.0000e+00 1.0000e+00 9e-07 3e-07 4e-16 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.0621e-01 7.0346e-01 5e+00 2e+00 3e-16 1e-01
2: 9.9674e-01 9.9661e-01 1e-01 3e-02 3e-15 3e-03
3: 9.9997e-01 9.9997e-01 1e-03 3e-04 3e-16 3e-05
4: 1.0000e+00 1.0000e+00 1e-05 3e-06 2e-16 3e-07
5: 1.0000e+00 1.0000e+00 1e-07 3e-08 2e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 5.6575e-01 5.6247e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9707e-01 9.9562e-01 9e-01 3e-01 3e-15 3e-02
3: 9.9995e-01 9.9994e-01 9e-03 3e-03 8e-16 3e-04
4: 1.0000e+00 1.0000e+00 9e-05 3e-05 1e-15 3e-06
5: 1.0000e+00 1.0000e+00 9e-07 3e-07 5e-16 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.0846e-01 6.0511e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9697e-01 9.9605e-01 5e-01 1e-01 1e-15 1e-02
3: 9.9997e-01 9.9996e-01 5e-03 1e-03 2e-16 1e-04
4: 1.0000e+00 1.0000e+00 5e-05 1e-05 3e-16 1e-06

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5:	1.0000e+00	1.0000e+00	5e-07	1e-07	4e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0569e-01	6.0234e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9602e-01	5e-01	1e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	1e-03	2e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	1e-07	5e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.4836e-01	5.4514e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9545e-01	1e+00	3e-01	3e-15	3e-02
3:	9.9988e-01	9.9986e-01	1e-02	4e-03	5e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	4e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	5e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1087e-01	7.0819e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9720e-01	9.9708e-01	1e-01	3e-02	4e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4220e-01	5.3902e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9539e-01	1e+00	3e-01	3e-15	3e-02
3:	9.9990e-01	9.9987e-01	1e-02	4e-03	8e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	5e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6223e-01	5.5896e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9559e-01	9e-01	3e-01	1e-15	3e-02
3:	9.9995e-01	9.9993e-01	9e-03	3e-03	7e-16	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	6e-16	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	9e-16	3e-08
6:	1.0000e+00	1.0000e+00	9e-09	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	4.5820e-01	4.5563e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9701e-01	9.9456e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9874e-01	9.9844e-01	3e-02	9e-03	1e-15	7e-04
4:	9.9999e-01	9.9998e-01	3e-04	9e-05	4e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9768e-01	6.9483e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9671e-01	9.9656e-01	1e-01	4e-02	5e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3422e-01	6.3091e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9631e-01	3e-01	1e-01	1e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	4e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7335e-01	6.7026e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9670e-01	2e-01	5e-02	4e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9260e-01	5.8924e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9698e-01	9.9589e-01	7e-01	2e-01	1e-15	2e-02
3:	9.9996e-01	9.9995e-01	7e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2722e-01	5.2411e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9694e-01	9.9524e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9976e-01	9.9971e-01	1e-02	5e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	6e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	4e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	3e-16	4e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6205e-01	4.5944e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9692e-01	9.9459e-01	2e+00	5e-01	9e-16	5e-02
3:	9.9848e-01	9.9813e-01	3e-02	1e-02	1e-15	8e-04
4:	9.9998e-01	9.9998e-01	3e-04	1e-04	4e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	1e-06	2e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	1e-08	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7318e-01	5.6987e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9570e-01	8e-01	3e-01	2e-15	3e-02
3:	9.9994e-01	9.9993e-01	9e-03	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	3e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6437e-01	5.6109e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9561e-01	9e-01	3e-01	2e-15	3e-02
3:	9.9994e-01	9.9992e-01	9e-03	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	1e-15	3e-08
6:	1.0000e+00	1.0000e+00	9e-09	3e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8522e-01	4.8242e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9482e-01	1e+00	5e-01	1e-15	5e-02
3:	9.9923e-01	9.9906e-01	2e-02	7e-03	9e-16	6e-04
4:	9.9999e-01	9.9999e-01	2e-04	7e-05	3e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	7e-07	3e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1074e-01	4.0862e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9663e-01	9.9409e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9412e-01	9.9280e-01	1e-01	3e-02	2e-15	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	3e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6345e-01	6.6029e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9660e-01	2e-01	6e-02	3e-15	5e-03

3:	9.9997e-01	9.9997e-01	2e-03	6e-04	2e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3916e-01	6.3586e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9692e-01	9.9636e-01	3e-01	9e-02	1e-15	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	2e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	3e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	9e-08	2e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6738e-01	5.6409e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9709e-01	9.9564e-01	8e-01	3e-01	3e-15	3e-02
3:	9.9996e-01	9.9994e-01	8e-03	3e-03	4e-16	3e-04
4:	1.0000e+00	1.0000e+00	8e-05	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	8e-07	3e-07	8e-16	3e-08
6:	1.0000e+00	1.0000e+00	8e-09	3e-09	2e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0445e-01	6.0109e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9698e-01	9.9601e-01	5e-01	2e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	5e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2312e-01	6.1979e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9620e-01	3e-01	1e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	2e-16	1e-04
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6478e-01	4.6215e-01	5e+00	1e+00	3e-16	2e-01
2:	9.9696e-01	9.9462e-01	2e+00	5e-01	3e-15	5e-02
3:	9.9874e-01	9.9845e-01	3e-02	9e-03	1e-15	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	9e-05	2e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	2e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	2.9454e-01	2.9351e-01	3e+00	1e+00	2e-16	1e-01
2:	9.9533e-01	9.9294e-01	1e+00	3e-01	4e-16	4e-02
3:	9.4668e-01	9.4166e-01	3e-01	1e-01	3e-15	9e-03
4:	9.9949e-01	9.9942e-01	5e-03	1e-03	3e-16	1e-04
5:	9.9999e-01	9.9999e-01	5e-05	1e-05	3e-16	1e-06
6:	1.0000e+00	1.0000e+00	5e-07	1e-07	3e-16	1e-08
7:	1.0000e+00	1.0000e+00	5e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5900e-01	4.5642e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9681e-01	9.9456e-01	2e+00	5e-01	7e-16	5e-02
3:	9.9780e-01	9.9731e-01	5e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9997e-01	5e-04	1e-04	3e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9397e-01	5.9062e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9591e-01	6e-01	2e-01	1e-15	2e-02
3:	9.9997e-01	9.9995e-01	6e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5134e-01	6.4810e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9693e-01	9.9648e-01	2e-01	7e-02	3e-15	6e-03
3:	9.9997e-01	9.9996e-01	2e-03	7e-04	3e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	2e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3031e-01	6.2699e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9693e-01	9.9627e-01	4e-01	1e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3335e-01	6.3004e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9630e-01	3e-01	9e-02	3e-15	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	4e-16	8e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	2e-16	8e-07

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5: 1.0000e+00 1.0000e+00 3e-07 9e-08 2e-16 8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.3344e-01 6.3013e-01 5e+00 2e+00 3e-16 2e-01
2: 9.9692e-01 9.9630e-01 3e-01 1e-01 3e-15 9e-03
3: 9.9997e-01 9.9996e-01 3e-03 1e-03 3e-16 9e-05
4: 1.0000e+00 1.0000e+00 3e-05 1e-05 2e-16 9e-07
5: 1.0000e+00 1.0000e+00 3e-07 1e-07 2e-16 9e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 5.4460e-01 5.4140e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9712e-01 9.9541e-01 1e+00 3e-01 2e-15 3e-02
3: 9.9993e-01 9.9990e-01 1e-02 3e-03 5e-16 3e-04
4: 1.0000e+00 1.0000e+00 1e-04 3e-05 9e-16 3e-06
5: 1.0000e+00 1.0000e+00 1e-06 3e-07 6e-16 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 4.9892e-01 4.9602e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9703e-01 9.9496e-01 1e+00 4e-01 4e-16 5e-02
3: 9.9964e-01 9.9956e-01 2e-02 5e-03 7e-16 5e-04
4: 1.0000e+00 1.0000e+00 2e-04 5e-05 5e-16 5e-06
5: 1.0000e+00 1.0000e+00 2e-06 5e-07 4e-16 5e-08
6: 1.0000e+00 1.0000e+00 2e-08 5e-09 5e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.5379e-01 6.5057e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9693e-01 9.9651e-01 2e-01 7e-02 2e-15 7e-03
3: 9.9997e-01 9.9997e-01 2e-03 7e-04 3e-16 7e-05
4: 1.0000e+00 1.0000e+00 2e-05 7e-06 5e-16 7e-07
5: 1.0000e+00 1.0000e+00 2e-07 7e-08 2e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.1076e-01 7.0807e-01 5e+00 2e+00 2e-16 1e-01
2: 9.9720e-01 9.9708e-01 1e-01 3e-02 9e-16 3e-03
3: 9.9997e-01 9.9997e-01 1e-03 3e-04 2e-16 3e-05
4: 1.0000e+00 1.0000e+00 1e-05 3e-06 3e-16 3e-07
5: 1.0000e+00 1.0000e+00 1e-07 3e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 4.7225e-01 4.6955e-01 5e+00 1e+00 2e-16 2e-01
2: 9.9691e-01 9.9470e-01 1e+00 5e-01 2e-15 5e-02
3: 9.9874e-01 9.9846e-01 3e-02 9e-03 3e-15 8e-04

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4:	9.9999e-01	9.9998e-01	3e-04	9e-05	2e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	3e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2805e+00	1.2772e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9874e+00	1.9868e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	2e-03	9e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2225e+00	1.2193e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9743e+00	1.9734e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9997e+00	1.9996e+00	9e-03	3e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	2e-15	3e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1904e+00	1.1872e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9129e+00	1.9118e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9983e+00	1.9982e+00	3e-02	9e-03	1e-15	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	6e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	6e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6613e-01	9.6292e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9117e+00	1.9097e+00	2e+00	5e-01	9e-16	5e-02
3:	1.9865e+00	1.9857e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	2e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3616e+00	1.3586e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9921e+00	1.9917e+00	4e-01	1e-01	9e-16	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	2e-15	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	2e-15	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00

1:	7.0109e-01	6.9917e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9866e+00	1.9843e+00	1e+00	4e-01	5e-16	5e-02
3:	1.9332e+00	1.9288e+00	3e-01	1e-01	4e-15	9e-03
4:	1.9993e+00	1.9993e+00	5e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	1e-05	4e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	1e-07	5e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3492e+00	1.3462e+00	5e+00	2e+00	1e-16	2e-01
2:	1.9896e+00	1.9894e+00	2e-01	8e-02	3e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	8e-04	5e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	4e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0475e+00	1.0443e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9818e+00	1.9801e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9986e+00	1.9985e+00	2e-02	6e-03	7e-16	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	1e-15	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	7e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2472e+00	1.2448e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9410e+00	1.9403e+00	1e+00	4e-01	3e-15	3e-02
3:	1.9994e+00	1.9993e+00	1e-02	4e-03	2e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	6e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0533e+00	1.0503e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8728e+00	1.8710e+00	2e+00	7e-01	1e-15	6e-02
3:	1.9914e+00	1.9909e+00	1e-01	3e-02	1e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0118e+00	1.0086e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9365e+00	1.9346e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9955e+00	1.9953e+00	4e-02	1e-02	2e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05

5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1655e+00	1.1628e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9008e+00	1.8996e+00	2e+00	6e-01	7e-16	5e-02
3:	1.9981e+00	1.9980e+00	4e-02	1e-02	1e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	6e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3501e+00	1.3472e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9931e+00	1.9928e+00	2e-01	6e-02	2e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1708e+00	1.1675e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9519e+00	1.9507e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9993e+00	1.9992e+00	1e-02	4e-03	6e-16	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	7e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	6e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2568e+00	1.2543e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9359e+00	1.9352e+00	1e+00	4e-01	1e-15	3e-02
3:	1.9993e+00	1.9993e+00	1e-02	4e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	8e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	9e-16	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1992e+00	1.1975e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9165e+00	1.9158e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9984e+00	1.9984e+00	3e-02	9e-03	2e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	5e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	3e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	8.3942e-01	8.3607e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9015e+00	1.8996e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9285e+00	1.9256e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9992e+00	1.9992e+00	7e-03	2e-03	3e-16	2e-04
5:	2.0000e+00	2.0000e+00	7e-05	2e-05	4e-16	2e-06
6:	2.0000e+00	2.0000e+00	7e-07	2e-07	4e-16	2e-08
7:	2.0000e+00	2.0000e+00	7e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1515e+00	1.1487e+00	6e+00	2e+00	2e-16	2e-01
2:	1.8995e+00	1.8982e+00	2e+00	6e-01	2e-15	5e-02
3:	1.9977e+00	1.9976e+00	4e-02	1e-02	2e-15	9e-04
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	3e-16	9e-06
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	9e-08
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0673e+00	1.0641e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9347e+00	1.9337e+00	1e+00	3e-01	4e-15	3e-02
3:	1.9835e+00	1.9829e+00	1e-01	4e-02	3e-15	3e-03
4:	1.9998e+00	1.9998e+00	1e-03	5e-04	4e-16	4e-05
5:	2.0000e+00	2.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	2.0000e+00	2.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1998e+00	1.1965e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9396e+00	1.9386e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9991e+00	1.9991e+00	2e-02	5e-03	9e-16	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	6e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2077e+00	1.2046e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9220e+00	1.9209e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9991e+00	1.9990e+00	2e-02	6e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	9e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0847e+00	1.0814e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9729e+00	1.9714e+00	1e+00	4e-01	2e-15	4e-02



3:	1.9984e+00	1.9983e+00	2e-02	7e-03	3e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	8e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	5e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0816e+00	1.0784e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9856e+00	1.9841e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9990e+00	1.9990e+00	2e-02	5e-03	2e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	1e-15	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	1e-15	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.6103e-01	9.5798e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9762e+00	1.9744e+00	1e+00	4e-01	7e-16	4e-02
3:	1.9884e+00	1.9875e+00	1e-01	3e-02	3e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.5341e-01	8.5085e-01	4e+00	1e+00	3e-16	2e-01
2:	1.9503e+00	1.9479e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9715e+00	1.9702e+00	1e-01	5e-02	4e-15	4e-03
4:	1.9997e+00	1.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.5760e-01	9.5432e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8974e+00	1.8954e+00	2e+00	6e-01	9e-16	6e-02
3:	1.9834e+00	1.9824e+00	1e-01	4e-02	2e-15	3e-03
4:	1.9998e+00	1.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3695e+00	1.3671e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9765e+00	1.9762e+00	4e-01	1e-01	3e-15	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	4e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2149e+00	1.2116e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9666e+00	1.9657e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	9e-03	3e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4044e+00	1.4026e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9604e+00	1.9601e+00	6e-01	2e-01	3e-15	2e-02
3:	1.9996e+00	1.9996e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2523e+00	1.2491e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9589e+00	1.9582e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9995e+00	1.9995e+00	1e-02	3e-03	8e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.7756e-01	9.7459e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9701e+00	1.9682e+00	1e+00	4e-01	5e-16	5e-02
3:	1.9934e+00	1.9930e+00	5e-02	2e-02	2e-15	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3910e+00	1.3887e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9856e+00	1.9854e+00	3e-01	9e-02	3e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	4e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	6e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	6.2985e-01	6.2781e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9177e+00	1.9155e+00	1e+00	3e-01	1e-15	4e-02
3:	1.9090e+00	1.9060e+00	3e-01	1e-01	4e-15	1e-02
4:	1.9990e+00	1.9990e+00	5e-03	2e-03	4e-16	1e-04

5:	2.0000e+00	2.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	2e-07	6e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.2166e-01	8.1929e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9867e+00	1.9845e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9741e+00	1.9723e+00	2e-01	5e-02	2e-15	4e-03
4:	1.9997e+00	1.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1968e+00	1.1939e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9579e+00	1.9569e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	4e-03	7e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4798e+00	1.4783e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9901e+00	1.9900e+00	2e-01	5e-02	3e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	7e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2913e+00	1.2884e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9866e+00	1.9862e+00	5e-01	2e-01	8e-16	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	2e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2515e+00	1.2507e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9201e+00	1.9198e+00	2e+00	5e-01	1e-15	4e-02
3:	1.9984e+00	1.9984e+00	3e-02	9e-03	4e-16	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	3e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.2759e+00	1.2727e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9728e+00	1.9722e+00	5e-01	2e-01	3e-15	2e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	5e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	9e-16	2e-08
6:	2.0000e+00	2.0000e+00	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1523e+00	1.1506e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9061e+00	1.9053e+00	2e+00	6e-01	6e-16	5e-02
3:	1.9967e+00	1.9966e+00	5e-02	1e-02	1e-15	1e-03
4:	2.0000e+00	2.0000e+00	5e-04	1e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	1e-06	2e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3212e+00	1.3181e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9920e+00	1.9916e+00	3e-01	9e-02	3e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	6e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	5e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0733e+00	1.0699e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9218e+00	1.9200e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9964e+00	1.9962e+00	4e-02	1e-02	2e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3371e+00	1.3349e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9659e+00	1.9655e+00	6e-01	2e-01	1e-15	2e-02
3:	1.9997e+00	1.9996e+00	6e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	5e-16	2e-08
6:	2.0000e+00	2.0000e+00	6e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0657e+00	1.0624e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8892e+00	1.8873e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9967e+00	1.9965e+00	5e-02	1e-02	2e-15	1e-03
4:	2.0000e+00	2.0000e+00	5e-04	1e-04	3e-16	1e-05

5:	2.0000e+00	2.0000e+00	5e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4260e+00	1.4234e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9930e+00	1.9929e+00	1e-01	5e-02	4e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	5e-04	6e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	5e-06	6e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.3437e-01	8.3115e-01	6e+00	2e+00	2e-16	2e-01
2:	1.6861e+00	1.6850e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9798e+00	1.9794e+00	3e-01	1e-01	5e-16	9e-03
4:	1.9672e+00	1.9666e+00	1e-01	4e-02	7e-15	3e-03
5:	1.9997e+00	1.9996e+00	2e-03	6e-04	4e-16	5e-05
6:	2.0000e+00	2.0000e+00	2e-05	6e-06	1e-15	5e-07
7:	2.0000e+00	2.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0240e+00	1.0208e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9614e+00	1.9595e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9964e+00	1.9963e+00	3e-02	1e-02	2e-15	1e-03
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	5e-16	1e-05
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.0028e-01	8.9701e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9378e+00	1.9366e+00	9e-01	3e-01	3e-15	3e-02
3:	1.9322e+00	1.9306e+00	3e-01	1e-01	2e-15	8e-03
4:	1.9993e+00	1.9993e+00	5e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	1e-05	4e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	1e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2678e+00	1.2656e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9458e+00	1.9452e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9994e+00	1.9994e+00	1e-02	4e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1270e+00	1.1236e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9237e+00	1.9222e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9988e+00	1.9988e+00	2e-02	6e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	4e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5491e+00	1.5459e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8321e+00	2.8305e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9806e+00	2.9803e+00	1e-01	3e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2485e+00	1.2456e+00	5e+00	2e+00	1e-16	2e-01
2:	2.9277e+00	2.9258e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9152e+00	2.9127e+00	4e-01	1e-01	5e-15	1e-02
4:	2.9991e+00	2.9991e+00	5e-03	2e-03	5e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	9e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	6e-16	1e-08
7:	3.0000e+00	3.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6076e+00	1.6056e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8689e+00	2.8682e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9206e+00	2.9200e+00	3e-01	1e-01	1e-15	9e-03
4:	2.9986e+00	2.9985e+00	7e-03	2e-03	3e-16	2e-04
5:	3.0000e+00	3.0000e+00	7e-05	2e-05	1e-15	2e-06
6:	3.0000e+00	3.0000e+00	7e-07	2e-07	5e-16	2e-08
7:	3.0000e+00	3.0000e+00	7e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6016e+00	1.5993e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9071e+00	2.9064e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9602e+00	2.9596e+00	2e-01	8e-02	3e-15	6e-03
4:	2.9996e+00	2.9996e+00	3e-03	9e-04	3e-16	7e-05
5:	3.0000e+00	3.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	3.0000e+00	3.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4848e+00	1.4830e+00	5e+00	2e+00	3e-16	1e-01
2:	2.8741e+00	2.8733e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9525e+00	2.9523e+00	2e-01	7e-02	5e-15	5e-03
4:	2.9995e+00	2.9995e+00	2e-03	7e-04	3e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4366e+00	1.4333e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7328e+00	2.7304e+00	2e+00	7e-01	1e-15	6e-02
3:	2.9328e+00	2.9306e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9993e+00	2.9992e+00	5e-03	2e-03	2e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	4e-16	1e-08
7:	3.0000e+00	3.0000e+00	5e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5437e+00	1.5405e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8443e+00	2.8429e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9663e+00	2.9653e+00	2e-01	7e-02	3e-15	6e-03
4:	2.9997e+00	2.9996e+00	2e-03	8e-04	4e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	8e-06	3e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3900e+00	1.3868e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8190e+00	2.8178e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9492e+00	2.9483e+00	3e-01	8e-02	5e-15	7e-03
4:	2.9994e+00	2.9993e+00	4e-03	1e-03	4e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4650e+00	1.4626e+00	5e+00	2e+00	2e-16	1e-01
2:	2.8677e+00	2.8665e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9681e+00	2.9677e+00	2e-01	5e-02	3e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3095e+00	2.3097e+00	5e+00	2e+00	2e-16	1e-01

2:	2.9853e+00	2.9853e+00	1e-01	5e-02	3e-15	4e-03
3:	2.9999e+00	2.9999e+00	1e-03	5e-04	1e-15	4e-05
4:	3.0000e+00	3.0000e+00	1e-05	5e-06	6e-16	4e-07
5:	3.0000e+00	3.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4944e+00	1.4910e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8244e+00	2.8225e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9719e+00	2.9709e+00	2e-01	5e-02	3e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.4605e+00	1.4573e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9315e+00	2.9297e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9850e+00	2.9843e+00	1e-01	3e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8382e+00	1.8359e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8386e+00	2.8378e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9970e+00	2.9969e+00	4e-02	1e-02	2e-15	1e-03
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	1e-15	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3739e+00	1.3711e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8822e+00	2.8812e+00	1e+00	3e-01	2e-15	3e-02
3:	2.8984e+00	2.8974e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9988e+00	2.9988e+00	5e-03	2e-03	5e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	6e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	4e-16	1e-08
7:	3.0000e+00	3.0000e+00	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8754e+00	1.8745e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8785e+00	2.8781e+00	2e+00	5e-01	7e-16	4e-02
3:	2.9983e+00	2.9983e+00	2e-02	6e-03	7e-16	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	6e-16	5e-06



5:	3.0000e+00	3.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4447e+00	1.4414e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8716e+00	2.8696e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9690e+00	2.9680e+00	1e-01	5e-02	3e-15	4e-03
4:	2.9997e+00	2.9997e+00	1e-03	5e-04	6e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	5e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6109e+00	1.6077e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8366e+00	2.8352e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9643e+00	2.9639e+00	2e-01	5e-02	3e-15	5e-03
4:	2.9996e+00	2.9996e+00	2e-03	6e-04	4e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6910e+00	1.6890e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8798e+00	2.8790e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9943e+00	2.9942e+00	4e-02	1e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	8e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5074e+00	1.5068e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8859e+00	2.8856e+00	2e+00	5e-01	9e-16	4e-02
3:	2.9316e+00	2.9314e+00	4e-01	1e-01	3e-15	9e-03
4:	2.9993e+00	2.9993e+00	5e-03	2e-03	4e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	3e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	4e-16	1e-08
7:	3.0000e+00	3.0000e+00	5e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8559e+00	1.8553e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8598e+00	2.8595e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9960e+00	2.9960e+00	4e-02	1e-02	1e-15	1e-03
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8924e+00	1.8903e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9180e+00	2.9175e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	2e-15	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6699e+00	1.6665e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9332e+00	2.9318e+00	1e+00	4e-01	3e-15	4e-02
3:	2.9950e+00	2.9949e+00	3e-02	1e-02	3e-15	9e-04
4:	3.0000e+00	2.9999e+00	3e-04	1e-04	4e-16	9e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	6e-16	9e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4130e+00	1.4097e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8296e+00	2.8278e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9832e+00	2.9825e+00	2e-01	7e-02	4e-15	7e-03
4:	2.9998e+00	2.9998e+00	3e-03	8e-04	4e-15	8e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	2e-15	8e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3524e+00	1.3491e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7067e+00	2.7046e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9744e+00	2.9736e+00	5e-01	1e-01	6e-16	1e-02
4:	2.9837e+00	2.9829e+00	1e-01	3e-02	5e-15	2e-03
5:	2.9998e+00	2.9998e+00	1e-03	4e-04	4e-16	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	1e-15	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4199e+00	1.4166e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7652e+00	2.7627e+00	2e+00	6e-01	8e-16	6e-02
3:	2.9691e+00	2.9679e+00	2e-01	5e-02	3e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6779e+00	1.6746e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9308e+00	2.9295e+00	1e+00	4e-01	3e-15	4e-02
3:	2.9982e+00	2.9982e+00	2e-02	5e-03	7e-16	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	6e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	8e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0208e+00	2.0192e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9164e+00	2.9161e+00	9e-01	3e-01	6e-16	2e-02
3:	2.9991e+00	2.9991e+00	1e-02	3e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	4e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.7980e-01	8.7714e-01	5e+00	1e+00	2e-16	2e-01
2:	2.4492e+00	2.4474e+00	7e-01	2e-01	8e-16	2e-02
3:	2.5939e+00	2.5932e+00	2e-01	6e-02	1e-15	7e-03
4:	2.6528e+00	2.6526e+00	5e-02	2e-02	1e-15	2e-03
5:	2.6680e+00	2.6679e+00	8e-03	3e-03	2e-15	2e-04
6:	2.6702e+00	2.6702e+00	2e-04	5e-05	5e-15	5e-06
7:	2.6702e+00	2.6702e+00	2e-06	5e-07	6e-15	5e-08
8:	2.6702e+00	2.6702e+00	2e-08	5e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1599e+00	1.1567e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8015e+00	2.7997e+00	1e+00	3e-01	9e-16	3e-02
3:	2.9884e+00	2.9874e+00	3e-01	1e-01	2e-15	1e-02
4:	2.9950e+00	2.9948e+00	3e-02	8e-03	7e-15	6e-04
5:	3.0000e+00	2.9999e+00	3e-04	8e-05	8e-16	6e-06
6:	3.0000e+00	3.0000e+00	3e-06	8e-07	1e-15	6e-08
7:	3.0000e+00	3.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9034e+00	1.9005e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9330e+00	2.9322e+00	9e-01	3e-01	3e-15	3e-02
3:	2.9992e+00	2.9992e+00	1e-02	3e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9966e+00	1.9948e+00	6e+00	2e+00	2e-16	2e-01

2:	2.8750e+00	2.8745e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9982e+00	2.9981e+00	2e-02	6e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	8e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1968e+00	1.1934e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4703e+00	2.4690e+00	1e+00	4e-01	9e-16	3e-02
3:	2.8459e+00	2.8455e+00	2e-01	8e-02	1e-15	7e-03
4:	2.9350e+00	2.9349e+00	4e-02	1e-02	1e-15	1e-03
5:	2.9441e+00	2.9440e+00	5e-03	2e-03	5e-15	1e-04
6:	2.9460e+00	2.9460e+00	6e-05	2e-05	1e-15	2e-06
7:	2.9460e+00	2.9460e+00	6e-07	2e-07	3e-15	2e-08
8:	2.9460e+00	2.9460e+00	6e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0659e+00	1.0626e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5324e+00	2.5304e+00	1e+00	4e-01	8e-16	4e-02
3:	2.9086e+00	2.9081e+00	2e-01	6e-02	8e-16	6e-03
4:	2.9588e+00	2.9586e+00	5e-02	2e-02	1e-15	1e-03
5:	2.9748e+00	2.9747e+00	2e-03	6e-04	4e-15	5e-05
6:	2.9753e+00	2.9753e+00	2e-05	6e-06	1e-14	5e-07
7:	2.9753e+00	2.9753e+00	2e-07	6e-08	1e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7745e+00	1.7717e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8529e+00	2.8519e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9968e+00	2.9967e+00	3e-02	9e-03	1e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	3e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	4e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7340e+00	1.7307e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8628e+00	2.8614e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9971e+00	2.9970e+00	3e-02	8e-03	1e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	8e-05	5e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	8e-07	5e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	8e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5644e+00	1.5611e+00	5e+00	2e+00	3e-16	2e-01

2:	2.9211e+00	2.9198e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9785e+00	2.9777e+00	1e-01	4e-02	4e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5452e+00	1.5418e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9238e+00	2.9223e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9918e+00	2.9915e+00	5e-02	2e-02	3e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9736e+00	1.9709e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9172e+00	2.9167e+00	8e-01	2e-01	2e-15	2e-02
3:	2.9990e+00	2.9990e+00	1e-02	3e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8250e-01	9.7921e-01	5e+00	2e+00	2e-16	2e-01
2:	2.6613e+00	2.6594e+00	1e+00	3e-01	8e-16	3e-02
3:	2.9802e+00	2.9796e+00	3e-01	9e-02	2e-15	9e-03
4:	2.9493e+00	2.9484e+00	2e-01	5e-02	1e-14	4e-03
5:	2.9994e+00	2.9994e+00	3e-03	1e-03	1e-15	9e-05
6:	3.0000e+00	3.0000e+00	3e-05	1e-05	2e-15	9e-07
7:	3.0000e+00	3.0000e+00	3e-07	1e-07	5e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7079e+00	1.7049e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8284e+00	2.8271e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9898e+00	2.9896e+00	6e-02	2e-02	3e-15	2e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5145e+00	1.5115e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8663e+00	2.8649e+00	2e+00	5e-01	3e-15	5e-02
3:	2.9838e+00	2.9835e+00	1e-01	3e-02	3e-15	2e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	4e-16	2e-05

5:	3.0000e+00	3.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6282e+00	1.6259e+00	5e+00	2e+00	2e-16	1e-01
2:	2.7858e+00	2.7844e+00	2e+00	7e-01	2e-15	6e-02
3:	2.9376e+00	2.9366e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9993e+00	2.9993e+00	5e-03	2e-03	3e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0073e+00	1.0042e+00	5e+00	2e+00	2e-16	2e-01
2:	2.3856e+00	2.3839e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8286e+00	2.8278e+00	4e-01	1e-01	1e-15	1e-02
4:	2.9247e+00	2.9244e+00	9e-02	3e-02	2e-15	3e-03
5:	2.9493e+00	2.9492e+00	9e-03	3e-03	5e-15	3e-04
6:	2.9522e+00	2.9522e+00	1e-04	5e-05	1e-15	4e-06
7:	2.9523e+00	2.9523e+00	1e-06	5e-07	3e-15	4e-08
8:	2.9523e+00	2.9523e+00	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4526e+00	1.4492e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8858e+00	2.8838e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9790e+00	2.9781e+00	1e-01	4e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	4e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3944e+00	1.3911e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8684e+00	2.8665e+00	1e+00	5e-01	2e-15	5e-02
3:	2.9525e+00	2.9514e+00	2e-01	8e-02	3e-15	7e-03
4:	2.9995e+00	2.9995e+00	3e-03	9e-04	4e-16	8e-05
5:	3.0000e+00	3.0000e+00	3e-05	9e-06	8e-16	8e-07
6:	3.0000e+00	3.0000e+00	3e-07	9e-08	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8633e+00	1.8604e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9144e+00	2.9137e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9986e+00	2.9986e+00	2e-02	6e-03	2e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	1e-15	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	1e-15	5e-08

6: 3.0000e+00 3.0000e+00 2e-08 6e-09 1e-15 5e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2901e+00	1.2867e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8465e+00	2.8449e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9183e+00	2.9168e+00	3e-01	1e-01	4e-15	9e-03
4:	2.9991e+00	2.9991e+00	6e-03	2e-03	7e-16	2e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	1e-15	2e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4434e+00	1.4402e+00	6e+00	2e+00	2e-16	2e-01
2:	2.6709e+00	2.6698e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9545e+00	2.9540e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9830e+00	2.9826e+00	9e-02	3e-02	6e-15	2e-03
5:	2.9998e+00	2.9998e+00	1e-03	3e-04	8e-16	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	3e-06	1e-15	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6759e+00	1.6750e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8928e+00	2.8924e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9927e+00	2.9927e+00	5e-02	2e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.1960e-01	9.1624e-01	5e+00	2e+00	2e-16	2e-01
2:	2.2678e+00	2.2661e+00	1e+00	4e-01	9e-16	4e-02
3:	2.4987e+00	2.4975e+00	6e-01	2e-01	6e-16	2e-02
4:	2.5604e+00	2.5599e+00	2e-01	5e-02	1e-15	4e-03
5:	2.5982e+00	2.5980e+00	3e-02	1e-02	5e-16	8e-04
6:	2.6048e+00	2.6048e+00	6e-03	2e-03	5e-16	2e-04
7:	2.6060e+00	2.6060e+00	1e-03	4e-04	2e-15	3e-05
8:	2.6063e+00	2.6063e+00	1e-04	3e-05	1e-15	2e-06
9:	2.6063e+00	2.6063e+00	1e-06	3e-07	3e-15	2e-08
10:	2.6063e+00	2.6063e+00	1e-08	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5436e+00	1.5408e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8988e+00	2.8975e+00	1e+00	4e-01	1e-15	4e-02
3:	3.3773e+00	3.3768e+00	5e-01	1e-01	8e-16	1e-02

4:	3.4624e+00	3.4620e+00	2e-01	5e-02	2e-15	4e-03
5:	3.5151e+00	3.5150e+00	2e-02	5e-03	1e-15	4e-04
6:	3.5206e+00	3.5206e+00	6e-04	2e-04	9e-16	2e-05
7:	3.5208e+00	3.5208e+00	6e-06	2e-06	8e-16	2e-07
8:	3.5208e+00	3.5208e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0885e+00	2.0853e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8046e+00	3.8032e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9630e+00	3.9625e+00	1e-01	5e-02	3e-15	4e-03
4:	3.9996e+00	3.9996e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	6e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2307e+00	2.2275e+00	6e+00	2e+00	3e-16	2e-01
2:	3.6547e+00	3.6529e+00	2e+00	7e-01	1e-15	6e-02
3:	3.9743e+00	3.9734e+00	2e-01	6e-02	2e-15	5e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	6e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6369e+00	1.6341e+00	6e+00	2e+00	2e-16	2e-01
2:	3.2462e+00	3.2452e+00	1e+00	3e-01	2e-15	3e-02
3:	3.6034e+00	3.6031e+00	2e-01	5e-02	9e-16	4e-03
4:	3.6410e+00	3.6408e+00	6e-02	2e-02	2e-15	1e-03
5:	3.6465e+00	3.6464e+00	3e-02	1e-02	7e-15	9e-04
6:	3.6531e+00	3.6531e+00	2e-02	5e-03	4e-15	4e-04
7:	3.6574e+00	3.6574e+00	4e-04	1e-04	4e-15	1e-05
8:	3.6575e+00	3.6575e+00	4e-06	1e-06	1e-15	1e-07
9:	3.6575e+00	3.6575e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4976e+00	1.4942e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3224e+00	3.3208e+00	1e+00	4e-01	1e-15	3e-02
3:	3.6435e+00	3.6429e+00	3e-01	1e-01	3e-15	9e-03
4:	3.6881e+00	3.6879e+00	4e-02	1e-02	3e-15	1e-03
5:	3.7024e+00	3.7023e+00	9e-03	3e-03	7e-16	3e-04
6:	3.7049e+00	3.7049e+00	4e-03	1e-03	7e-16	1e-04
7:	3.7059e+00	3.7059e+00	3e-04	9e-05	4e-15	7e-06
8:	3.7060e+00	3.7060e+00	3e-06	9e-07	2e-15	8e-08
9:	3.7060e+00	3.7060e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0175e+00	2.0148e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7446e+00	3.7433e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9647e+00	3.9642e+00	2e-01	5e-02	3e-15	4e-03
4:	3.9996e+00	3.9996e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1229e+00	2.1202e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6884e+00	3.6876e+00	1e+00	4e-01	9e-16	3e-02
3:	3.9667e+00	3.9663e+00	2e-01	8e-02	3e-15	6e-03
4:	3.9994e+00	3.9993e+00	4e-03	1e-03	2e-15	9e-05
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	1e-15	9e-07
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6918e+00	2.6902e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9133e+00	3.9130e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9991e+00	3.9991e+00	8e-03	2e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1695e+00	2.1665e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7651e+00	3.7637e+00	2e+00	5e-01	9e-16	5e-02
3:	3.9704e+00	3.9698e+00	2e-01	5e-02	2e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8680e-01	9.8353e-01	5e+00	2e+00	2e-16	2e-01
2:	2.4613e+00	2.4596e+00	1e+00	3e-01	2e-15	3e-02
3:	2.6893e+00	2.6889e+00	2e-01	7e-02	7e-16	7e-03
4:	2.7324e+00	2.7322e+00	4e-02	1e-02	2e-15	1e-03
5:	2.7421e+00	2.7421e+00	8e-03	2e-03	9e-16	2e-04
6:	2.7437e+00	2.7437e+00	9e-05	3e-05	1e-15	3e-06
7:	2.7437e+00	2.7437e+00	9e-07	3e-07	8e-16	3e-08
8:	2.7437e+00	2.7437e+00	9e-09	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.1857e+00	2.1834e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8685e+00	3.8677e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9855e+00	3.9854e+00	7e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	7e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5900e+00	1.5885e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5230e+00	3.5223e+00	2e+00	6e-01	5e-16	5e-02
3:	3.9161e+00	3.9159e+00	4e-01	1e-01	1e-15	1e-02
4:	3.9874e+00	3.9874e+00	1e-01	4e-02	8e-16	3e-03
5:	3.9895e+00	3.9895e+00	4e-02	1e-02	1e-14	1e-03
6:	3.9999e+00	3.9999e+00	7e-04	2e-04	2e-15	2e-05
7:	4.0000e+00	4.0000e+00	7e-06	2e-06	5e-15	2e-07
8:	4.0000e+00	4.0000e+00	7e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2698e+00	2.2716e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8672e+00	3.8678e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9694e+00	3.9695e+00	2e-01	5e-02	2e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0057e+00	2.0045e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6580e+00	3.6576e+00	2e+00	5e-01	7e-16	4e-02
3:	3.9517e+00	3.9515e+00	6e-01	2e-01	2e-15	1e-02
4:	3.9966e+00	3.9966e+00	2e-02	7e-03	2e-15	5e-04
5:	4.0000e+00	4.0000e+00	2e-04	7e-05	9e-16	5e-06
6:	4.0000e+00	4.0000e+00	2e-06	7e-07	5e-16	5e-08
7:	4.0000e+00	4.0000e+00	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9370e+00	1.9342e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7583e+00	3.7568e+00	1e+00	5e-01	3e-15	4e-02
3:	3.8522e+00	3.8505e+00	6e-01	2e-01	3e-15	2e-02
4:	3.9981e+00	3.9980e+00	1e-02	4e-03	3e-16	3e-04
5:	4.0000e+00	4.0000e+00	1e-04	4e-05	8e-16	3e-06
6:	4.0000e+00	4.0000e+00	1e-06	4e-07	7e-16	3e-08
7:	4.0000e+00	4.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4442e+00	1.4409e+00	5e+00	2e+00	3e-16	2e-01
2:	3.2006e+00	3.1989e+00	1e+00	4e-01	2e-15	3e-02
3:	3.5771e+00	3.5767e+00	2e-01	5e-02	2e-15	5e-03
4:	3.6350e+00	3.6350e+00	8e-03	2e-03	2e-15	2e-04
5:	3.6379e+00	3.6379e+00	8e-05	2e-05	8e-16	2e-06
6:	3.6380e+00	3.6380e+00	8e-07	2e-07	6e-16	2e-08
7:	3.6380e+00	3.6380e+00	8e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4325e+00	1.4320e+00	5e+00	2e+00	3e-16	1e-01
2:	3.0281e+00	3.0280e+00	8e-01	3e-01	1e-15	2e-02
3:	3.1404e+00	3.1404e+00	2e-01	7e-02	1e-15	6e-03
4:	3.1954e+00	3.1954e+00	5e-02	2e-02	1e-15	1e-03
5:	3.2100e+00	3.2100e+00	2e-02	6e-03	1e-15	5e-04
6:	3.2130e+00	3.2130e+00	8e-03	2e-03	5e-15	2e-04
7:	3.2153e+00	3.2153e+00	1e-03	4e-04	2e-15	3e-05
8:	3.2157e+00	3.2157e+00	1e-05	4e-06	2e-15	3e-07
9:	3.2157e+00	3.2157e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9194e+00	1.9164e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8354e+00	3.8342e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8612e+00	3.8596e+00	5e-01	2e-01	3e-15	1e-02
4:	3.9982e+00	3.9982e+00	9e-03	3e-03	3e-16	2e-04
5:	4.0000e+00	4.0000e+00	1e-04	3e-05	7e-16	2e-06
6:	4.0000e+00	4.0000e+00	1e-06	3e-07	5e-16	2e-08
7:	4.0000e+00	4.0000e+00	1e-08	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4358e+00	2.4334e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8461e+00	3.8453e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9971e+00	3.9971e+00	2e-02	7e-03	1e-15	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	1e-15	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	7e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1466e+00	1.1445e+00	5e+00	2e+00	2e-16	1e-01
2:	2.2643e+00	2.2636e+00	9e-01	3e-01	3e-15	2e-02
3:	2.6155e+00	2.6153e+00	2e-01	7e-02	1e-15	6e-03
4:	2.6857e+00	2.6856e+00	5e-02	1e-02	1e-15	1e-03
5:	2.6998e+00	2.6998e+00	1e-02	3e-03	3e-15	3e-04
6:	2.7031e+00	2.7031e+00	4e-04	1e-04	5e-15	1e-05

7:	2.7032e+00	2.7032e+00	4e-06	1e-06	2e-15	1e-07
8:	2.7032e+00	2.7032e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3098e+00	1.3070e+00	5e+00	1e+00	3e-16	2e-01
2:	3.3808e+00	3.3787e+00	1e+00	4e-01	1e-15	4e-02
3:	3.5889e+00	3.5878e+00	3e-01	9e-02	1e-15	8e-03
4:	3.6864e+00	3.6861e+00	7e-02	2e-02	7e-16	2e-03
5:	3.6944e+00	3.6941e+00	3e-02	1e-02	9e-15	9e-04
6:	3.7047e+00	3.7047e+00	2e-03	6e-04	1e-15	5e-05
7:	3.7053e+00	3.7053e+00	2e-05	6e-06	2e-15	5e-07
8:	3.7053e+00	3.7053e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1667e+00	2.1639e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7626e+00	3.7614e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9787e+00	3.9782e+00	1e-01	4e-02	2e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3200e+00	2.3171e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7076e+00	3.7060e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9754e+00	3.9748e+00	1e-01	5e-02	2e-15	4e-03
4:	3.9998e+00	3.9997e+00	2e-03	5e-04	5e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0173e+00	2.0141e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6317e+00	3.6303e+00	1e+00	4e-01	4e-15	4e-02
3:	3.9448e+00	3.9442e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9772e+00	3.9767e+00	1e-01	3e-02	5e-15	3e-03
5:	3.9998e+00	3.9997e+00	1e-03	4e-04	1e-15	3e-05
6:	4.0000e+00	4.0000e+00	1e-05	4e-06	1e-15	3e-07
7:	4.0000e+00	4.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4345e+00	2.4327e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7916e+00	3.7910e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9599e+00	3.9595e+00	2e-01	7e-02	3e-15	5e-03
4:	3.9996e+00	3.9996e+00	2e-03	7e-04	3e-16	6e-05

5:	4.0000e+00	4.0000e+00	2e-05	7e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1999e+00	1.1969e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6300e+00	2.6284e+00	1e+00	4e-01	1e-15	4e-02
3:	3.0643e+00	3.0638e+00	3e-01	1e-01	1e-15	1e-02
4:	3.1702e+00	3.1699e+00	8e-02	3e-02	3e-15	3e-03
5:	3.1864e+00	3.1863e+00	3e-02	8e-03	2e-15	8e-04
6:	3.1936e+00	3.1936e+00	5e-03	2e-03	4e-15	1e-04
7:	3.1950e+00	3.1950e+00	6e-05	2e-05	4e-15	2e-06
8:	3.1951e+00	3.1951e+00	6e-07	2e-07	6e-15	2e-08
9:	3.1951e+00	3.1951e+00	6e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2079e+00	2.2054e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7183e+00	3.7170e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9749e+00	3.9746e+00	2e-01	6e-02	3e-15	5e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	7e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8871e+00	1.8851e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5924e+00	3.5914e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9415e+00	3.9411e+00	6e-01	2e-01	1e-15	2e-02
4:	3.9822e+00	3.9820e+00	9e-02	3e-02	3e-15	2e-03
5:	3.9998e+00	3.9998e+00	1e-03	3e-04	6e-16	2e-05
6:	4.0000e+00	4.0000e+00	1e-05	3e-06	5e-16	2e-07
7:	4.0000e+00	4.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2179e+00	2.2161e+00	5e+00	2e+00	2e-16	1e-01
2:	3.6471e+00	3.6464e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9511e+00	3.9508e+00	4e-01	1e-01	3e-15	1e-02
4:	3.9986e+00	3.9986e+00	8e-03	3e-03	3e-15	2e-04
5:	4.0000e+00	4.0000e+00	8e-05	3e-05	1e-15	2e-06
6:	4.0000e+00	4.0000e+00	8e-07	3e-07	1e-15	2e-08
7:	4.0000e+00	4.0000e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8832e+00	1.8815e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7293e+00	3.7287e+00	1e+00	3e-01	2e-15	3e-02

3:	3.9692e+00	3.9690e+00	3e-01	1e-01	1e-15	8e-03
4:	3.9797e+00	3.9796e+00	8e-02	2e-02	1e-14	2e-03
5:	3.9998e+00	3.9998e+00	1e-03	3e-04	6e-16	2e-05
6:	4.0000e+00	4.0000e+00	1e-05	3e-06	1e-15	2e-07
7:	4.0000e+00	4.0000e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2425e+00	2.2404e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8396e+00	3.8388e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9915e+00	3.9914e+00	5e-02	2e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5200e+00	2.5190e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8431e+00	3.8427e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9933e+00	3.9933e+00	4e-02	1e-02	4e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5337e+00	1.5312e+00	6e+00	2e+00	2e-16	2e-01
2:	3.0094e+00	3.0085e+00	1e+00	4e-01	2e-15	3e-02
3:	3.5172e+00	3.5169e+00	3e-01	8e-02	1e-15	7e-03
4:	3.5750e+00	3.5749e+00	8e-02	2e-02	1e-15	2e-03
5:	3.5865e+00	3.5865e+00	2e-02	8e-03	8e-15	6e-04
6:	3.5939e+00	3.5939e+00	8e-04	3e-04	9e-16	2e-05
7:	3.5941e+00	3.5941e+00	8e-06	3e-06	3e-15	2e-07
8:	3.5941e+00	3.5941e+00	8e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6482e+00	1.6451e+00	5e+00	2e+00	2e-16	2e-01
2:	3.3941e+00	3.3923e+00	2e+00	5e-01	3e-15	5e-02
3:	3.8413e+00	3.8409e+00	3e-01	8e-02	7e-16	7e-03
4:	3.9384e+00	3.9382e+00	5e-02	2e-02	2e-15	2e-03
5:	3.9482e+00	3.9481e+00	3e-02	8e-03	8e-15	7e-04
6:	3.9570e+00	3.9570e+00	2e-03	7e-04	2e-14	6e-05
7:	3.9578e+00	3.9578e+00	3e-05	9e-06	3e-14	7e-07
8:	3.9578e+00	3.9578e+00	3e-07	9e-08	4e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.2674e+00	2.2665e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7779e+00	3.7777e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9044e+00	3.9042e+00	3e-01	1e-01	4e-15	8e-03
4:	3.9989e+00	3.9989e+00	4e-03	1e-03	6e-16	1e-04
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3172e+00	1.3142e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1471e+00	3.1452e+00	1e+00	4e-01	5e-16	4e-02
3:	3.5481e+00	3.5477e+00	2e-01	5e-02	8e-16	5e-03
4:	3.5890e+00	3.5889e+00	2e-02	6e-03	4e-15	5e-04
5:	3.5944e+00	3.5944e+00	5e-04	2e-04	2e-15	1e-05
6:	3.5945e+00	3.5945e+00	5e-06	2e-06	2e-15	1e-07
7:	3.5945e+00	3.5945e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9977e+00	1.9955e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4145e+00	3.4135e+00	1e+00	4e-01	5e-15	4e-02
3:	3.7540e+00	3.7537e+00	4e-01	1e-01	1e-15	9e-03
4:	3.8654e+00	3.8653e+00	8e-02	3e-02	1e-15	2e-03
5:	3.8823e+00	3.8823e+00	3e-02	8e-03	4e-15	7e-04
6:	3.8912e+00	3.8912e+00	8e-04	3e-04	2e-15	2e-05
7:	3.8914e+00	3.8914e+00	8e-06	3e-06	2e-15	2e-07
8:	3.8914e+00	3.8914e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6397e+00	1.6364e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1851e+00	3.1837e+00	1e+00	4e-01	1e-15	4e-02
3:	3.6271e+00	3.6265e+00	4e-01	1e-01	3e-15	1e-02
4:	3.7411e+00	3.7408e+00	1e-01	4e-02	4e-15	3e-03
5:	3.7692e+00	3.7691e+00	1e-02	5e-03	3e-15	4e-04
6:	3.7741e+00	3.7741e+00	2e-03	5e-04	1e-15	4e-05
7:	3.7745e+00	3.7745e+00	2e-05	5e-06	2e-15	4e-07
8:	3.7745e+00	3.7745e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4163e+00	2.4158e+00	7e+00	2e+00	3e-16	2e-01
2:	3.8471e+00	3.8470e+00	1e+00	4e-01	9e-16	3e-02
3:	3.9945e+00	3.9945e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5484e+00	2.5454e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9104e+00	3.9097e+00	9e-01	3e-01	1e-15	3e-02
3:	3.9989e+00	3.9989e+00	1e-02	3e-03	2e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	2e-15	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5665e+00	1.5631e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4737e+00	3.4723e+00	1e+00	3e-01	1e-15	3e-02
3:	3.7975e+00	3.7971e+00	2e-01	6e-02	2e-15	5e-03
4:	3.8424e+00	3.8424e+00	2e-02	7e-03	2e-15	6e-04
5:	3.8493e+00	3.8493e+00	7e-03	2e-03	8e-16	2e-04
6:	3.8512e+00	3.8512e+00	6e-04	2e-04	2e-15	2e-05
7:	3.8514e+00	3.8514e+00	7e-06	2e-06	8e-16	2e-07
8:	3.8514e+00	3.8514e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6083e+00	1.6052e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7483e+00	3.7471e+00	8e-01	2e-01	9e-16	2e-02
3:	3.9177e+00	3.9174e+00	2e-01	5e-02	9e-16	4e-03
4:	3.9657e+00	3.9656e+00	6e-02	2e-02	1e-15	2e-03
5:	3.9780e+00	3.9780e+00	5e-03	2e-03	8e-15	1e-04
6:	3.9797e+00	3.9797e+00	6e-04	2e-04	1e-15	2e-05
7:	3.9799e+00	3.9799e+00	6e-06	2e-06	5e-15	2e-07
8:	3.9799e+00	3.9799e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0439e+00	1.0408e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8470e+00	2.8450e+00	9e-01	3e-01	1e-15	3e-02
3:	3.1309e+00	3.1302e+00	2e-01	6e-02	6e-16	6e-03
4:	3.1828e+00	3.1827e+00	2e-02	7e-03	4e-15	7e-04
5:	3.1894e+00	3.1894e+00	4e-03	1e-03	8e-15	1e-04
6:	3.1903e+00	3.1903e+00	4e-04	1e-04	5e-14	1e-05
7:	3.1904e+00	3.1904e+00	4e-06	1e-06	6e-15	1e-07
8:	3.1904e+00	3.1904e+00	4e-08	1e-08	7e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4403e+00	2.4376e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7105e+00	3.7093e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9880e+00	3.9877e+00	9e-02	3e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	9e-04	3e-04	6e-16	2e-05



5:	4.0000e+00	4.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6413e+00	1.6379e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6070e+00	3.6055e+00	9e-01	3e-01	2e-15	3e-02
3:	3.8136e+00	3.8130e+00	2e-01	6e-02	2e-15	6e-03
4:	3.8406e+00	3.8405e+00	4e-02	1e-02	2e-15	1e-03
5:	3.8506e+00	3.8505e+00	1e-02	3e-03	1e-15	3e-04
6:	3.8530e+00	3.8530e+00	4e-04	1e-04	2e-15	1e-05
7:	3.8531e+00	3.8531e+00	4e-06	1e-06	1e-15	1e-07
8:	3.8531e+00	3.8531e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4308e+00	2.4308e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7984e+00	3.7984e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9968e+00	3.9968e+00	3e-02	8e-03	1e-15	7e-04
4:	4.0000e+00	4.0000e+00	3e-04	8e-05	6e-16	7e-06
5:	4.0000e+00	4.0000e+00	3e-06	8e-07	8e-16	7e-08
6:	4.0000e+00	4.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2071e+00	2.2055e+00	6e+00	2e+00	3e-16	2e-01
2:	3.3182e+00	3.3178e+00	1e+00	4e-01	2e-15	3e-02
3:	3.7259e+00	3.7258e+00	2e-01	7e-02	1e-15	6e-03
4:	3.7810e+00	3.7809e+00	6e-02	2e-02	2e-15	2e-03
5:	3.8040e+00	3.8040e+00	6e-03	2e-03	2e-15	2e-04
6:	3.8063e+00	3.8063e+00	2e-04	6e-05	2e-15	5e-06
7:	3.8064e+00	3.8064e+00	2e-06	6e-07	4e-15	5e-08
8:	3.8064e+00	3.8064e+00	2e-08	6e-09	6e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9510e+00	1.9496e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6880e+00	3.6875e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9325e+00	3.9322e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9977e+00	3.9977e+00	1e-02	3e-03	2e-15	3e-04
5:	4.0000e+00	4.0000e+00	1e-04	3e-05	5e-16	3e-06
6:	4.0000e+00	4.0000e+00	1e-06	3e-07	1e-15	3e-08
7:	4.0000e+00	4.0000e+00	1e-08	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9188e+00	1.9166e+00	5e+00	2e+00	3e-16	1e-01
2:	3.4929e+00	3.4921e+00	1e+00	4e-01	1e-15	3e-02

3:	3.9421e+00	3.9418e+00	4e-01	1e-01	9e-16	1e-02
4:	3.9488e+00	3.9485e+00	2e-01	5e-02	1e-14	4e-03
5:	3.9994e+00	3.9994e+00	3e-03	8e-04	1e-15	6e-05
6:	4.0000e+00	4.0000e+00	3e-05	8e-06	2e-15	6e-07
7:	4.0000e+00	4.0000e+00	3e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2681e+00	2.2658e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7913e+00	3.7903e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9933e+00	3.9932e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9383e+00	2.9372e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6817e+00	4.6813e+00	1e+00	5e-01	1e-15	4e-02
3:	4.8864e+00	4.8861e+00	4e-01	1e-01	2e-15	9e-03
4:	4.9987e+00	4.9987e+00	5e-03	2e-03	5e-16	1e-04
5:	5.0000e+00	5.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	5.0000e+00	5.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1276e+00	3.1256e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7113e+00	4.7106e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9899e+00	4.9899e+00	5e-02	2e-02	3e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9295e+00	1.9283e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8104e+00	3.8100e+00	1e+00	4e-01	9e-16	3e-02
3:	4.1710e+00	4.1709e+00	2e-01	7e-02	7e-16	6e-03
4:	4.2531e+00	4.2530e+00	6e-02	2e-02	9e-16	2e-03
5:	4.2608e+00	4.2608e+00	3e-02	8e-03	5e-15	7e-04
6:	4.2687e+00	4.2687e+00	2e-03	5e-04	2e-15	4e-05
7:	4.2693e+00	4.2693e+00	2e-05	5e-06	7e-16	4e-07
8:	4.2693e+00	4.2693e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3468e+00	2.3438e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7231e+00	4.7218e+00	1e+00	3e-01	2e-15	3e-02

3:	4.9627e+00	4.9620e+00	3e-01	1e-01	2e-15	8e-03
4:	4.9958e+00	4.9958e+00	2e-02	5e-03	5e-15	4e-04
5:	5.0000e+00	5.0000e+00	2e-04	5e-05	1e-15	4e-06
6:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
7:	5.0000e+00	5.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1539e+00	2.1514e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4394e+00	4.4383e+00	1e+00	5e-01	1e-15	4e-02
3:	4.7076e+00	4.7072e+00	4e-01	1e-01	2e-15	1e-02
4:	4.8127e+00	4.8126e+00	8e-02	3e-02	2e-15	2e-03
5:	4.8381e+00	4.8381e+00	1e-02	5e-03	2e-15	4e-04
6:	4.8427e+00	4.8427e+00	5e-04	1e-04	2e-15	1e-05
7:	4.8429e+00	4.8429e+00	5e-06	1e-06	1e-15	1e-07
8:	4.8429e+00	4.8429e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3923e+00	2.3903e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6391e+00	4.6384e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9616e+00	4.9614e+00	3e-01	1e-01	1e-15	9e-03
4:	4.9836e+00	4.9835e+00	6e-02	2e-02	9e-15	2e-03
5:	4.9998e+00	4.9998e+00	7e-04	2e-04	8e-16	2e-05
6:	5.0000e+00	5.0000e+00	7e-06	2e-06	9e-16	2e-07
7:	5.0000e+00	5.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9639e+00	2.9651e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6004e+00	4.6010e+00	2e+00	7e-01	1e-15	6e-02
3:	4.9596e+00	4.9598e+00	2e-01	8e-02	1e-15	6e-03
4:	4.9996e+00	4.9996e+00	3e-03	8e-04	5e-16	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	8e-06	4e-16	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1808e+00	1.1774e+00	5e+00	2e+00	2e-16	2e-01
2:	2.5873e+00	2.5857e+00	9e-01	3e-01	2e-15	3e-02
3:	2.8142e+00	2.8139e+00	2e-01	6e-02	1e-15	6e-03
4:	2.8843e+00	2.8841e+00	5e-02	1e-02	1e-15	1e-03
5:	2.8979e+00	2.8978e+00	9e-03	3e-03	5e-15	2e-04
6:	2.9001e+00	2.9001e+00	8e-04	3e-04	3e-15	2e-05
7:	2.9004e+00	2.9004e+00	9e-06	3e-06	1e-15	2e-07
8:	2.9004e+00	2.9004e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9942e-01	9.9606e-01	5e+00	2e+00	2e-16	2e-01
2:	2.4808e+00	2.4789e+00	1e+00	4e-01	2e-15	3e-02
3:	2.7579e+00	2.7574e+00	3e-01	8e-02	9e-16	8e-03
4:	2.8222e+00	2.8220e+00	8e-02	3e-02	1e-15	2e-03
5:	2.8388e+00	2.8388e+00	2e-02	5e-03	1e-15	4e-04
6:	2.8437e+00	2.8436e+00	4e-03	1e-03	5e-16	1e-04
7:	2.8445e+00	2.8445e+00	6e-04	2e-04	3e-15	2e-05
8:	2.8447e+00	2.8447e+00	7e-06	2e-06	7e-16	2e-07
9:	2.8447e+00	2.8447e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6689e+00	2.6698e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6314e+00	4.6318e+00	2e+00	5e-01	8e-16	4e-02
3:	4.9431e+00	4.9432e+00	5e-01	2e-01	8e-16	1e-02
4:	4.9850e+00	4.9851e+00	6e-02	2e-02	3e-15	2e-03
5:	4.9998e+00	4.9998e+00	7e-04	2e-04	5e-16	2e-05
6:	5.0000e+00	5.0000e+00	7e-06	2e-06	7e-16	2e-07
7:	5.0000e+00	5.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3617e+00	2.3590e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4859e+00	4.4847e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9079e+00	4.9076e+00	3e-01	1e-01	9e-16	8e-03
4:	4.9902e+00	4.9901e+00	9e-02	3e-02	5e-15	2e-03
5:	4.9980e+00	4.9980e+00	7e-03	2e-03	2e-14	2e-04
6:	5.0000e+00	5.0000e+00	7e-05	2e-05	4e-15	2e-06
7:	5.0000e+00	5.0000e+00	7e-07	2e-07	3e-15	2e-08
8:	5.0000e+00	5.0000e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8700e+00	2.8683e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8099e+00	4.8093e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9878e+00	4.9877e+00	7e-02	2e-02	3e-15	2e-03
4:	4.9999e+00	4.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	5.0000e+00	5.0000e+00	7e-06	2e-06	7e-16	2e-07
6:	5.0000e+00	5.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7305e+00	2.7276e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7450e+00	4.7436e+00	2e+00	5e-01	1e-15	5e-02
3:	4.9869e+00	4.9867e+00	6e-02	2e-02	2e-15	2e-03
4:	4.9999e+00	4.9999e+00	6e-04	2e-04	5e-16	2e-05
5:	5.0000e+00	5.0000e+00	6e-06	2e-06	4e-16	2e-07

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6: 5.0000e+00 5.0000e+00 6e-08 2e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.9348e+00 2.9335e+00 6e+00 2e+00 2e-16 2e-01
2: 4.6546e+00 4.6540e+00 2e+00 7e-01 7e-16 5e-02
3: 4.9800e+00 4.9799e+00 9e-02 3e-02 1e-15 2e-03
4: 4.9998e+00 4.9998e+00 9e-04 3e-04 4e-16 2e-05
5: 5.0000e+00 5.0000e+00 9e-06 3e-06 2e-16 2e-07
6: 5.0000e+00 5.0000e+00 9e-08 3e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 9.1695e-01 9.1434e-01 4e+00 1e+00 2e-16 2e-01
2: 2.5255e+00 2.5234e+00 1e+00 3e-01 6e-16 3e-02
3: 2.7930e+00 2.7923e+00 2e-01 6e-02 6e-16 6e-03
4: 2.8180e+00 2.8177e+00 4e-02 1e-02 3e-15 1e-03
5: 2.8299e+00 2.8298e+00 1e-02 3e-03 7e-16 3e-04
6: 2.8322e+00 2.8322e+00 1e-04 3e-05 2e-15 3e-06
7: 2.8322e+00 2.8322e+00 1e-06 3e-07 2e-15 3e-08
8: 2.8322e+00 2.8322e+00 1e-08 3e-09 2e-15 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.4601e+00 2.4578e+00 6e+00 2e+00 2e-16 2e-01
2: 4.7251e+00 4.7239e+00 2e+00 5e-01 2e-15 4e-02
3: 4.9601e+00 4.9597e+00 2e-01 7e-02 2e-15 5e-03
4: 4.9996e+00 4.9996e+00 2e-03 7e-04 6e-16 6e-05
5: 5.0000e+00 5.0000e+00 2e-05 7e-06 7e-16 6e-07
6: 5.0000e+00 5.0000e+00 2e-07 7e-08 9e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.3771e+00 2.3774e+00 6e+00 2e+00 2e-16 2e-01
2: 4.5213e+00 4.5214e+00 1e+00 4e-01 1e-15 3e-02
3: 4.9423e+00 4.9423e+00 2e-01 7e-02 9e-16 5e-03
4: 4.9873e+00 4.9873e+00 8e-02 2e-02 1e-14 2e-03
5: 4.9988e+00 4.9988e+00 4e-03 1e-03 1e-14 1e-04
6: 5.0000e+00 5.0000e+00 4e-05 1e-05 4e-15 1e-06
7: 5.0000e+00 5.0000e+00 4e-07 1e-07 4e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.2887e+00 2.2857e+00 5e+00 2e+00 2e-16 2e-01
2: 4.1433e+00 4.1421e+00 1e+00 4e-01 1e-15 3e-02
3: 4.4875e+00 4.4871e+00 3e-01 9e-02 1e-15 8e-03
4: 4.5669e+00 4.5669e+00 3e-02 9e-03 2e-15 8e-04
5: 4.5761e+00 4.5761e+00 4e-03 1e-03 1e-15 1e-04

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6:  4.5772e+00  4.5772e+00  4e-05  1e-05  2e-15  1e-06
7:  4.5773e+00  4.5773e+00  4e-07  1e-07  2e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  2.1691e+00  2.1658e+00  5e+00  2e+00  2e-16  2e-01
2:  4.3665e+00  4.3650e+00  1e+00  4e-01  2e-15  4e-02
3:  4.7379e+00  4.7375e+00  2e-01  7e-02  2e-15  7e-03
4:  4.7921e+00  4.7920e+00  4e-02  1e-02  4e-15  1e-03
5:  4.8027e+00  4.8026e+00  1e-02  4e-03  2e-15  4e-04
6:  4.8067e+00  4.8067e+00  2e-04  7e-05  2e-15  6e-06
7:  4.8068e+00  4.8068e+00  2e-06  7e-07  8e-16  6e-08
8:  4.8068e+00  4.8068e+00  2e-08  7e-09  1e-15  6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.3415e+00  2.3394e+00  5e+00  2e+00  2e-16  1e-01
2:  3.8287e+00  3.8280e+00  1e+00  4e-01  2e-15  4e-02
3:  4.3574e+00  4.3571e+00  5e-01  2e-01  2e-15  1e-02
4:  4.4984e+00  4.4982e+00  1e-01  3e-02  6e-15  3e-03
5:  4.5366e+00  4.5366e+00  9e-03  3e-03  2e-15  2e-04
6:  4.5405e+00  4.5405e+00  9e-05  3e-05  6e-16  2e-06
7:  4.5405e+00  4.5405e+00  9e-07  3e-07  7e-16  2e-08
8:  4.5405e+00  4.5405e+00  9e-09  3e-09  7e-16  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  2.0310e+00  2.0280e+00  6e+00  2e+00  2e-16  2e-01
2:  3.9671e+00  3.9655e+00  1e+00  4e-01  2e-15  4e-02
3:  4.4937e+00  4.4932e+00  3e-01  9e-02  9e-16  8e-03
4:  4.5599e+00  4.5598e+00  5e-02  2e-02  3e-15  1e-03
5:  4.5692e+00  4.5692e+00  1e-02  5e-03  5e-15  4e-04
6:  4.5738e+00  4.5738e+00  8e-04  3e-04  1e-14  2e-05
7:  4.5740e+00  4.5740e+00  1e-05  4e-06  5e-14  3e-07
8:  4.5740e+00  4.5740e+00  1e-07  4e-08  3e-14  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.7543e+00  2.7567e+00  6e+00  2e+00  2e-16  1e-01
2:  4.4954e+00  4.4962e+00  1e+00  4e-01  2e-15  3e-02
3:  4.9248e+00  4.9250e+00  3e-01  1e-01  1e-15  8e-03
4:  4.9931e+00  4.9931e+00  5e-02  1e-02  1e-14  1e-03
5:  4.9998e+00  4.9998e+00  1e-03  3e-04  2e-14  2e-05
6:  5.0000e+00  5.0000e+00  1e-05  3e-06  6e-15  2e-07
7:  5.0000e+00  5.0000e+00  1e-07  3e-08  7e-15  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00

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1:	1.7097e+00	1.7064e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4645e+00	3.4633e+00	9e-01	3e-01	2e-15	3e-02
3:	3.8172e+00	3.8168e+00	2e-01	7e-02	2e-15	6e-03
4:	3.8951e+00	3.8951e+00	3e-02	9e-03	3e-15	8e-04
5:	3.9066e+00	3.9065e+00	3e-03	1e-03	3e-15	9e-05
6:	3.9076e+00	3.9076e+00	6e-05	2e-05	3e-14	2e-06
7:	3.9076e+00	3.9076e+00	6e-07	2e-07	9e-15	2e-08
8:	3.9076e+00	3.9076e+00	6e-09	2e-09	9e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9240e+00	2.9235e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2002e+00	4.1999e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9234e+00	4.9233e+00	5e-01	2e-01	2e-15	1e-02
4:	4.9658e+00	4.9657e+00	2e-01	5e-02	7e-15	4e-03
5:	4.9991e+00	4.9991e+00	4e-03	1e-03	3e-15	9e-05
6:	5.0000e+00	5.0000e+00	4e-05	1e-05	3e-15	9e-07
7:	5.0000e+00	5.0000e+00	4e-07	1e-07	2e-15	9e-09
8:	5.0000e+00	5.0000e+00	4e-09	1e-09	2e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7057e+00	2.7043e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6975e+00	4.6969e+00	1e+00	4e-01	1e-15	4e-02
3:	4.9629e+00	4.9626e+00	3e-01	1e-01	2e-15	8e-03
4:	4.9989e+00	4.9989e+00	7e-03	2e-03	3e-15	2e-04
5:	5.0000e+00	5.0000e+00	7e-05	2e-05	1e-15	2e-06
6:	5.0000e+00	5.0000e+00	7e-07	2e-07	2e-15	2e-08
7:	5.0000e+00	5.0000e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0979e+00	3.0988e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7339e+00	4.7342e+00	2e+00	5e-01	4e-15	4e-02
3:	4.9903e+00	4.9903e+00	5e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	1e-15	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9021e+00	2.9007e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7386e+00	4.7380e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9416e+00	4.9412e+00	3e-01	9e-02	2e-15	7e-03
4:	4.9994e+00	4.9994e+00	3e-03	1e-03	3e-16	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8740e+00	2.8740e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6990e+00	4.6989e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9912e+00	4.9912e+00	5e-02	2e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9685e+00	1.9681e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9982e+00	3.9981e+00	1e+00	4e-01	2e-15	4e-02
3:	4.5275e+00	4.5275e+00	2e-01	7e-02	7e-16	5e-03
4:	4.5826e+00	4.5826e+00	6e-02	2e-02	9e-15	2e-03
5:	4.6049e+00	4.6049e+00	3e-03	8e-04	4e-15	7e-05
6:	4.6057e+00	4.6057e+00	3e-05	9e-06	6e-15	7e-07
7:	4.6058e+00	4.6058e+00	3e-07	9e-08	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7501e+00	2.7492e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8287e+00	4.8283e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9892e+00	4.9892e+00	5e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	7e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5917e+00	1.5886e+00	5e+00	2e+00	2e-16	2e-01
2:	3.2287e+00	3.2268e+00	2e+00	5e-01	9e-16	5e-02
3:	3.6992e+00	3.6986e+00	5e-01	1e-01	1e-15	1e-02
4:	3.8422e+00	3.8420e+00	9e-02	3e-02	3e-15	2e-03
5:	3.8604e+00	3.8604e+00	1e-02	3e-03	7e-15	3e-04
6:	3.8622e+00	3.8622e+00	1e-03	4e-04	2e-14	3e-05
7:	3.8625e+00	3.8625e+00	1e-04	3e-05	4e-15	3e-06
8:	3.8625e+00	3.8625e+00	1e-06	3e-07	2e-14	3e-08
9:	3.8625e+00	3.8625e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5471e+00	2.5461e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7920e+00	4.7917e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9284e+00	4.9281e+00	3e-01	9e-02	3e-15	8e-03
4:	4.9992e+00	4.9992e+00	4e-03	1e-03	4e-16	9e-05
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	4e-16	9e-09



Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8168e+00	2.8149e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4027e+00	4.4021e+00	2e+00	5e-01	3e-15	4e-02
3:	4.9282e+00	4.9279e+00	5e-01	1e-01	2e-15	1e-02
4:	4.9967e+00	4.9967e+00	2e-02	5e-03	4e-15	4e-04
5:	5.0000e+00	5.0000e+00	2e-04	5e-05	9e-16	4e-06
6:	5.0000e+00	5.0000e+00	2e-06	5e-07	9e-16	4e-08
7:	5.0000e+00	5.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7128e+00	2.7101e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7264e+00	4.7255e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9725e+00	4.9721e+00	2e-01	7e-02	5e-15	6e-03
4:	4.9997e+00	4.9997e+00	2e-03	7e-04	4e-15	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	2e-15	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1922e+00	2.1892e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4740e+00	4.4727e+00	1e+00	3e-01	9e-16	3e-02
3:	4.8305e+00	4.8300e+00	3e-01	1e-01	8e-16	8e-03
4:	4.9088e+00	4.9087e+00	4e-02	1e-02	3e-15	1e-03
5:	4.9166e+00	4.9166e+00	7e-03	2e-03	2e-14	2e-04
6:	4.9187e+00	4.9187e+00	1e-03	4e-04	4e-15	3e-05
7:	4.9191e+00	4.9191e+00	1e-05	4e-06	3e-15	4e-07
8:	4.9191e+00	4.9191e+00	1e-07	4e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7328e+00	2.7345e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6408e+00	4.6413e+00	1e+00	4e-01	9e-16	3e-02
3:	4.9498e+00	4.9499e+00	4e-01	1e-01	1e-15	9e-03
4:	4.9797e+00	4.9798e+00	8e-02	2e-02	6e-15	2e-03
5:	4.9998e+00	4.9998e+00	9e-04	3e-04	5e-16	2e-05
6:	5.0000e+00	5.0000e+00	9e-06	3e-06	7e-16	2e-07
7:	5.0000e+00	5.0000e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2797e+00	2.2764e+00	5e+00	2e+00	2e-16	2e-01
2:	4.6908e+00	4.6892e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9196e+00	4.9193e+00	2e-01	5e-02	1e-15	5e-03
4:	4.9718e+00	4.9718e+00	2e-02	7e-03	5e-15	7e-04
5:	4.9775e+00	4.9775e+00	3e-03	9e-04	2e-14	9e-05

6:	4.9781e+00	4.9781e+00	1e-04	3e-05	5e-14	3e-06
7:	4.9781e+00	4.9781e+00	1e-06	3e-07	2e-14	3e-08
8:	4.9781e+00	4.9781e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9151e+00	1.9126e+00	5e+00	2e+00	2e-16	1e-01
2:	4.0113e+00	4.0104e+00	1e+00	3e-01	1e-15	3e-02
3:	4.2617e+00	4.2615e+00	1e-01	5e-02	7e-16	4e-03
4:	4.2942e+00	4.2942e+00	2e-02	8e-03	1e-15	7e-04
5:	4.2985e+00	4.2985e+00	3e-04	1e-04	2e-15	9e-06
6:	4.2985e+00	4.2985e+00	3e-06	1e-06	2e-15	9e-08
7:	4.2985e+00	4.2985e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8069e+00	2.8045e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5765e+00	4.5750e+00	2e+00	7e-01	1e-15	6e-02
3:	4.9577e+00	4.9571e+00	2e-01	7e-02	2e-15	6e-03
4:	4.9996e+00	4.9996e+00	3e-03	8e-04	4e-16	6e-05
5:	5.0000e+00	5.0000e+00	3e-05	8e-06	3e-16	6e-07
6:	5.0000e+00	5.0000e+00	3e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5913e+00	1.5881e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6890e+00	3.6876e+00	1e+00	4e-01	9e-16	3e-02
3:	3.9981e+00	3.9976e+00	4e-01	1e-01	1e-15	1e-02
4:	4.1119e+00	4.1117e+00	1e-01	4e-02	9e-16	4e-03
5:	4.1420e+00	4.1419e+00	3e-02	8e-03	6e-15	7e-04
6:	4.1510e+00	4.1510e+00	4e-04	1e-04	1e-15	1e-05
7:	4.1511e+00	4.1511e+00	4e-06	1e-06	1e-15	1e-07
8:	4.1511e+00	4.1511e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4967e+00	1.4933e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1850e+00	3.1832e+00	2e+00	5e-01	2e-15	5e-02
3:	3.5360e+00	3.5353e+00	3e-01	1e-01	2e-15	9e-03
4:	3.6020e+00	3.6018e+00	8e-02	2e-02	9e-16	2e-03
5:	3.6211e+00	3.6211e+00	1e-02	4e-03	9e-16	3e-04
6:	3.6247e+00	3.6247e+00	5e-04	2e-04	1e-15	1e-05
7:	3.6248e+00	3.6248e+00	5e-06	2e-06	4e-15	1e-07
8:	3.6248e+00	3.6248e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4301e+00	2.4289e+00	6e+00	2e+00	3e-16	2e-01

2:	4.2073e+00	4.2068e+00	1e+00	4e-01	1e-15	3e-02
3:	4.5920e+00	4.5919e+00	3e-01	1e-01	1e-15	9e-03
4:	4.6776e+00	4.6775e+00	6e-02	2e-02	2e-15	1e-03
5:	4.6964e+00	4.6964e+00	7e-03	2e-03	1e-15	2e-04
6:	4.6985e+00	4.6985e+00	8e-05	2e-05	1e-15	2e-06
7:	4.6986e+00	4.6986e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4657e+00	2.4636e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7747e+00	4.7739e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9229e+00	4.9224e+00	3e-01	8e-02	5e-15	6e-03
4:	4.9990e+00	4.9990e+00	4e-03	1e-03	3e-16	1e-04
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	1e-15	1e-06
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8503e+00	1.8481e+00	6e+00	2e+00	3e-16	2e-01
2:	3.5649e+00	3.5639e+00	1e+00	4e-01	1e-15	4e-02
3:	3.8385e+00	3.8383e+00	2e-01	7e-02	7e-16	6e-03
4:	3.8991e+00	3.8990e+00	8e-02	3e-02	7e-16	2e-03
5:	3.9185e+00	3.9184e+00	2e-02	5e-03	1e-15	4e-04
6:	3.9235e+00	3.9235e+00	2e-04	6e-05	6e-16	5e-06
7:	3.9235e+00	3.9235e+00	2e-06	6e-07	7e-16	5e-08
8:	3.9235e+00	3.9235e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2991e+00	2.3006e+00	7e+00	2e+00	2e-16	2e-01
2:	4.1689e+00	4.1695e+00	2e+00	5e-01	2e-15	4e-02
3:	4.6305e+00	4.6307e+00	5e-01	1e-01	8e-16	1e-02
4:	4.7742e+00	4.7742e+00	1e-01	4e-02	1e-15	3e-03
5:	4.8070e+00	4.8070e+00	2e-02	5e-03	5e-15	4e-04
6:	4.8093e+00	4.8093e+00	5e-03	2e-03	1e-14	1e-04
7:	4.8108e+00	4.8108e+00	2e-04	6e-05	2e-15	5e-06
8:	4.8108e+00	4.8108e+00	2e-06	6e-07	5e-15	5e-08
9:	4.8108e+00	4.8108e+00	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1146e+00	2.1127e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0197e+00	4.0190e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3586e+00	4.3584e+00	3e-01	9e-02	2e-15	8e-03
4:	4.4342e+00	4.4341e+00	5e-02	2e-02	2e-15	1e-03
5:	4.4521e+00	4.4521e+00	8e-03	3e-03	3e-15	2e-04
6:	4.4536e+00	4.4536e+00	3e-03	9e-04	2e-14	7e-05
7:	4.4545e+00	4.4545e+00	4e-05	1e-05	1e-15	1e-06

8:	4.4545e+00	4.4545e+00	4e-07	1e-07	2e-15	1e-08
9:	4.4545e+00	4.4545e+00	4e-09	1e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1648e+00	2.1621e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6100e+00	4.6085e+00	2e+00	5e-01	1e-15	4e-02
3:	4.8535e+00	4.8525e+00	5e-01	2e-01	1e-15	1e-02
4:	4.9922e+00	4.9920e+00	9e-02	3e-02	2e-15	2e-03
5:	4.9999e+00	4.9998e+00	1e-03	4e-04	4e-15	3e-05
6:	5.0000e+00	5.0000e+00	1e-05	4e-06	4e-15	3e-07
7:	5.0000e+00	5.0000e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8834e+00	2.8827e+00	7e+00	2e+00	2e-16	2e-01
2:	4.5759e+00	4.5757e+00	1e+00	4e-01	9e-16	4e-02
3:	4.9402e+00	4.9401e+00	4e-01	1e-01	1e-15	1e-02
4:	4.9980e+00	4.9980e+00	1e-02	3e-03	3e-15	3e-04
5:	5.0000e+00	5.0000e+00	1e-04	3e-05	8e-16	3e-06
6:	5.0000e+00	5.0000e+00	1e-06	3e-07	6e-16	3e-08
7:	5.0000e+00	5.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7155e+00	1.7184e+00	6e+00	2e+00	2e-16	1e-01
2:	3.8181e+00	3.8191e+00	1e+00	4e-01	5e-16	3e-02
3:	4.1319e+00	4.1322e+00	3e-01	1e-01	7e-16	8e-03
4:	4.2242e+00	4.2243e+00	6e-02	2e-02	3e-15	2e-03
5:	4.2323e+00	4.2323e+00	2e-02	6e-03	7e-15	5e-04
6:	4.2352e+00	4.2352e+00	2e-02	6e-03	9e-15	4e-04
7:	4.2382e+00	4.2382e+00	3e-03	8e-04	9e-15	6e-05
8:	4.2386e+00	4.2386e+00	9e-04	3e-04	6e-15	2e-05
9:	4.2388e+00	4.2388e+00	1e-05	3e-06	5e-15	3e-07
10:	4.2388e+00	4.2388e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2550e+00	2.2539e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5427e+00	4.5423e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9747e+00	4.9746e+00	2e-01	7e-02	1e-15	6e-03
4:	4.9756e+00	4.9756e+00	7e-02	2e-02	1e-14	2e-03
5:	4.9997e+00	4.9997e+00	1e-03	3e-04	2e-15	2e-05
6:	5.0000e+00	5.0000e+00	1e-05	3e-06	4e-15	2e-07
7:	5.0000e+00	5.0000e+00	1e-07	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.0128e+00	3.0128e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2729e+00	5.2729e+00	2e+00	5e-01	1e-15	4e-02
3:	5.7453e+00	5.7453e+00	4e-01	1e-01	8e-16	9e-03
4:	5.8031e+00	5.8031e+00	1e-01	3e-02	3e-15	2e-03
5:	5.8342e+00	5.8342e+00	6e-03	2e-03	8e-16	1e-04
6:	5.8361e+00	5.8361e+00	4e-04	1e-04	7e-16	1e-05
7:	5.8362e+00	5.8362e+00	4e-06	1e-06	6e-16	1e-07
8:	5.8363e+00	5.8363e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9296e+00	2.9281e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1972e+00	5.1967e+00	1e+00	3e-01	2e-15	3e-02
3:	5.5500e+00	5.5499e+00	1e-01	4e-02	1e-15	4e-03
4:	5.5900e+00	5.5900e+00	7e-03	2e-03	3e-15	2e-04
5:	5.5916e+00	5.5916e+00	7e-05	2e-05	8e-15	2e-06
6:	5.5916e+00	5.5916e+00	7e-07	2e-07	9e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4604e+00	2.4575e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8702e+00	4.8690e+00	1e+00	5e-01	2e-15	4e-02
3:	5.3249e+00	5.3242e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4512e+00	5.4510e+00	8e-02	3e-02	2e-15	2e-03
5:	5.4745e+00	5.4744e+00	2e-02	6e-03	7e-15	5e-04
6:	5.4810e+00	5.4810e+00	3e-03	1e-03	2e-15	8e-05
7:	5.4820e+00	5.4820e+00	3e-05	1e-05	6e-15	8e-07
8:	5.4820e+00	5.4820e+00	3e-07	1e-07	8e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2264e+00	2.2234e+00	5e+00	2e+00	3e-16	2e-01
2:	4.1445e+00	4.1436e+00	1e+00	3e-01	1e-15	3e-02
3:	4.5359e+00	4.5357e+00	2e-01	6e-02	1e-15	5e-03
4:	4.5925e+00	4.5925e+00	3e-02	8e-03	5e-15	7e-04
5:	4.6030e+00	4.6030e+00	2e-03	7e-04	6e-16	6e-05
6:	4.6036e+00	4.6036e+00	2e-05	7e-06	2e-15	6e-07
7:	4.6036e+00	4.6036e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.5382e+00	1.5352e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6730e+00	3.6710e+00	1e+00	3e-01	1e-15	4e-02
3:	3.8396e+00	3.8383e+00	3e-01	1e-01	1e-15	1e-02
4:	3.9185e+00	3.9182e+00	6e-02	2e-02	1e-15	2e-03
5:	3.9384e+00	3.9383e+00	9e-03	3e-03	7e-16	3e-04
6:	3.9410e+00	3.9410e+00	2e-04	5e-05	5e-15	5e-06
7:	3.9411e+00	3.9411e+00	2e-06	5e-07	2e-15	5e-08

8:	3.9411e+00	3.9411e+00	2e-08	5e-09	2e-15	5e-10
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5661e+00	2.5677e+00	6e+00	2e+00	2e-16	1e-01
2:	4.4270e+00	4.4275e+00	1e+00	5e-01	2e-15	4e-02
3:	4.8633e+00	4.8635e+00	5e-01	2e-01	1e-15	1e-02
4:	4.9452e+00	4.9453e+00	1e-01	4e-02	3e-15	3e-03
5:	4.9848e+00	4.9848e+00	2e-02	7e-03	1e-15	5e-04
6:	4.9931e+00	4.9931e+00	3e-04	9e-05	1e-15	7e-06
7:	4.9932e+00	4.9932e+00	3e-06	9e-07	6e-16	7e-08
8:	4.9932e+00	4.9932e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5270e+00	3.5258e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6154e+00	5.6149e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9191e+00	5.9189e+00	5e-01	2e-01	2e-15	1e-02
4:	5.9891e+00	5.9890e+00	5e-02	2e-02	4e-15	1e-03
5:	5.9999e+00	5.9999e+00	5e-04	2e-04	9e-16	1e-05
6:	6.0000e+00	6.0000e+00	5e-06	2e-06	9e-16	1e-07
7:	6.0000e+00	6.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6207e+00	1.6174e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7106e+00	3.7089e+00	9e-01	3e-01	2e-15	3e-02
3:	3.8398e+00	3.8395e+00	2e-01	5e-02	1e-15	5e-03
4:	3.8930e+00	3.8929e+00	4e-02	1e-02	9e-16	1e-03
5:	3.8996e+00	3.8996e+00	7e-03	2e-03	1e-14	2e-04
6:	3.9019e+00	3.9019e+00	1e-04	3e-05	2e-15	3e-06
7:	3.9019e+00	3.9019e+00	1e-06	3e-07	1e-15	3e-08
8:	3.9019e+00	3.9019e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9380e+00	2.9368e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9642e+00	4.9635e+00	2e+00	7e-01	1e-15	6e-02
3:	5.6334e+00	5.6332e+00	5e-01	2e-01	8e-16	1e-02
4:	5.7792e+00	5.7792e+00	1e-01	4e-02	2e-15	4e-03
5:	5.8206e+00	5.8205e+00	3e-02	8e-03	2e-15	7e-04
6:	5.8273e+00	5.8273e+00	5e-04	1e-04	5e-15	1e-05
7:	5.8274e+00	5.8274e+00	5e-06	1e-06	4e-15	1e-07
8:	5.8274e+00	5.8274e+00	5e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8790e+00	2.8757e+00	5e+00	2e+00	3e-16	2e-01

2:	5.3621e+00	5.3602e+00	1e+00	5e-01	2e-15	4e-02
3:	5.6973e+00	5.6956e+00	6e-01	2e-01	3e-15	2e-02
4:	5.9057e+00	5.9052e+00	1e-01	5e-02	1e-15	4e-03
5:	5.9504e+00	5.9503e+00	1e-02	4e-03	8e-15	3e-04
6:	5.9545e+00	5.9545e+00	1e-04	4e-05	4e-15	3e-06
7:	5.9546e+00	5.9546e+00	1e-06	4e-07	3e-15	3e-08
8:	5.9546e+00	5.9546e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9942e+00	2.9942e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4319e+00	5.4319e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7250e+00	5.7250e+00	3e-01	1e-01	2e-15	8e-03
4:	5.7865e+00	5.7865e+00	4e-02	1e-02	3e-15	1e-03
5:	5.7977e+00	5.7977e+00	5e-03	2e-03	1e-15	1e-04
6:	5.7996e+00	5.7996e+00	9e-04	3e-04	1e-15	2e-05
7:	5.7998e+00	5.7998e+00	3e-05	1e-05	5e-14	8e-07
8:	5.7998e+00	5.7998e+00	3e-07	1e-07	4e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0648e+00	3.0628e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4071e+00	5.4065e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8052e+00	5.8050e+00	3e-01	1e-01	2e-15	8e-03
4:	5.8996e+00	5.8995e+00	6e-02	2e-02	3e-15	2e-03
5:	5.9156e+00	5.9156e+00	8e-03	2e-03	1e-14	2e-04
6:	5.9182e+00	5.9182e+00	9e-05	3e-05	2e-15	2e-06
7:	5.9182e+00	5.9182e+00	9e-07	3e-07	2e-15	2e-08
8:	5.9182e+00	5.9182e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9517e+00	2.9507e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6844e+00	4.6840e+00	1e+00	5e-01	1e-15	4e-02
3:	5.1565e+00	5.1563e+00	3e-01	1e-01	7e-16	9e-03
4:	5.2402e+00	5.2401e+00	1e-01	4e-02	4e-15	3e-03
5:	5.2783e+00	5.2783e+00	6e-03	2e-03	5e-16	1e-04
6:	5.2801e+00	5.2801e+00	8e-04	3e-04	1e-14	2e-05
7:	5.2804e+00	5.2804e+00	3e-05	1e-05	8e-14	8e-07
8:	5.2804e+00	5.2804e+00	3e-07	1e-07	1e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6171e+00	3.6173e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5441e+00	5.5442e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9556e+00	5.9556e+00	3e-01	1e-01	8e-16	9e-03
4:	5.9850e+00	5.9850e+00	5e-02	2e-02	8e-15	1e-03
5:	5.9998e+00	5.9998e+00	5e-04	2e-04	6e-16	1e-05

6:	6.0000e+00	6.0000e+00	5e-06	2e-06	8e-16	1e-07
7:	6.0000e+00	6.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8938e+00	2.8927e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9630e+00	4.9625e+00	2e+00	5e-01	2e-15	4e-02
3:	5.3125e+00	5.3124e+00	4e-01	1e-01	3e-15	9e-03
4:	5.4217e+00	5.4216e+00	1e-01	4e-02	2e-15	3e-03
5:	5.4560e+00	5.4560e+00	1e-02	3e-03	2e-15	3e-04
6:	5.4591e+00	5.4591e+00	1e-04	4e-05	1e-15	3e-06
7:	5.4592e+00	5.4592e+00	1e-06	4e-07	2e-15	3e-08
8:	5.4592e+00	5.4592e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5562e+00	3.5564e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5080e+00	5.5081e+00	2e+00	5e-01	3e-15	4e-02
3:	5.9165e+00	5.9166e+00	5e-01	2e-01	2e-15	1e-02
4:	5.9836e+00	5.9836e+00	6e-02	2e-02	6e-15	2e-03
5:	5.9998e+00	5.9998e+00	7e-04	2e-04	1e-15	2e-05
6:	6.0000e+00	6.0000e+00	7e-06	2e-06	7e-16	2e-07
7:	6.0000e+00	6.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6980e+00	3.6983e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6867e+00	5.6868e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9864e+00	5.9864e+00	6e-02	2e-02	3e-15	2e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	1e-15	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4850e+00	2.4821e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6421e+00	4.6409e+00	1e+00	4e-01	1e-15	3e-02
3:	4.8818e+00	4.8812e+00	4e-01	1e-01	2e-15	1e-02
4:	5.0346e+00	5.0344e+00	9e-02	3e-02	1e-15	2e-03
5:	5.0601e+00	5.0600e+00	2e-02	6e-03	4e-15	5e-04
6:	5.0662e+00	5.0662e+00	2e-04	6e-05	1e-15	5e-06
7:	5.0663e+00	5.0663e+00	2e-06	6e-07	8e-16	5e-08
8:	5.0663e+00	5.0663e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7556e+00	2.7543e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1420e+00	5.1415e+00	2e+00	5e-01	1e-15	4e-02



3:	5.5478e+00	5.5476e+00	3e-01	1e-01	1e-15	8e-03
4:	5.6457e+00	5.6457e+00	3e-02	1e-02	2e-15	9e-04
5:	5.6572e+00	5.6572e+00	9e-04	3e-04	1e-15	2e-05
6:	5.6574e+00	5.6574e+00	3e-04	8e-05	4e-13	6e-06
7:	5.6575e+00	5.6575e+00	3e-05	1e-05	8e-13	8e-07
8:	5.6575e+00	5.6575e+00	4e-07	1e-07	7e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6218e+00	3.6205e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7746e+00	5.7743e+00	1e+00	3e-01	1e-15	3e-02
3:	5.9334e+00	5.9333e+00	2e-01	7e-02	4e-15	6e-03
4:	5.9993e+00	5.9993e+00	2e-03	8e-04	2e-15	6e-05
5:	6.0000e+00	6.0000e+00	2e-05	8e-06	8e-16	6e-07
6:	6.0000e+00	6.0000e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5138e+00	3.5134e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6380e+00	5.6379e+00	1e+00	3e-01	1e-15	2e-02
3:	5.9363e+00	5.9363e+00	2e-01	5e-02	1e-15	4e-03
4:	5.9929e+00	5.9929e+00	4e-02	1e-02	5e-15	1e-03
5:	5.9969e+00	5.9969e+00	1e-02	3e-03	8e-14	2e-04
6:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-14	3e-06
7:	6.0000e+00	6.0000e+00	1e-06	3e-07	1e-14	3e-08
8:	6.0000e+00	6.0000e+00	1e-08	3e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3361e+00	3.3369e+00	7e+00	2e+00	3e-16	2e-01
2:	5.3745e+00	5.3749e+00	2e+00	7e-01	2e-15	5e-02
3:	5.8253e+00	5.8254e+00	5e-01	2e-01	2e-15	1e-02
4:	5.9734e+00	5.9734e+00	2e-01	5e-02	3e-15	4e-03
5:	5.9953e+00	5.9953e+00	2e-02	6e-03	1e-14	5e-04
6:	6.0000e+00	6.0000e+00	2e-04	7e-05	2e-15	5e-06
7:	6.0000e+00	6.0000e+00	2e-06	7e-07	2e-15	5e-08
8:	6.0000e+00	6.0000e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4744e+00	3.4776e+00	6e+00	2e+00	3e-16	1e-01
2:	5.5680e+00	5.5691e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9678e+00	5.9681e+00	3e-01	1e-01	1e-15	8e-03
4:	5.9956e+00	5.9956e+00	2e-02	6e-03	9e-15	4e-04
5:	6.0000e+00	6.0000e+00	2e-04	6e-05	9e-16	4e-06
6:	6.0000e+00	6.0000e+00	2e-06	6e-07	6e-16	4e-08
7:	6.0000e+00	6.0000e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2478e+00	3.2454e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4934e+00	5.4925e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9058e+00	5.9053e+00	5e-01	2e-01	1e-15	1e-02
4:	5.9672e+00	5.9669e+00	1e-01	4e-02	6e-15	3e-03
5:	5.9996e+00	5.9996e+00	2e-03	5e-04	9e-16	4e-05
6:	6.0000e+00	6.0000e+00	2e-05	5e-06	1e-15	4e-07
7:	6.0000e+00	6.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9202e+00	3.9200e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6937e+00	5.6936e+00	1e+00	3e-01	1e-15	3e-02
3:	5.9761e+00	5.9761e+00	1e-01	4e-02	5e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	1e-15	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	7e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2032e+00	2.2005e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9513e+00	3.9502e+00	1e+00	4e-01	2e-15	4e-02
3:	4.3794e+00	4.3792e+00	2e-01	6e-02	8e-16	5e-03
4:	4.4465e+00	4.4464e+00	4e-02	1e-02	8e-16	1e-03
5:	4.4581e+00	4.4580e+00	5e-03	2e-03	2e-15	1e-04
6:	4.4597e+00	4.4597e+00	5e-05	2e-05	8e-16	1e-06
7:	4.4597e+00	4.4597e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3313e+00	2.3283e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5326e+00	4.5315e+00	9e-01	3e-01	2e-15	2e-02
3:	4.8143e+00	4.8140e+00	2e-01	7e-02	8e-16	6e-03
4:	4.8488e+00	4.8487e+00	6e-02	2e-02	4e-15	2e-03
5:	4.8684e+00	4.8684e+00	6e-03	2e-03	1e-15	2e-04
6:	4.8704e+00	4.8704e+00	1e-04	3e-05	1e-15	3e-06
7:	4.8704e+00	4.8704e+00	1e-06	3e-07	1e-15	3e-08
8:	4.8704e+00	4.8704e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9393e+00	2.9370e+00	6e+00	2e+00	1e-16	2e-01
2:	5.2394e+00	5.2386e+00	1e+00	5e-01	2e-15	4e-02
3:	5.5887e+00	5.5884e+00	3e-01	1e-01	2e-15	8e-03
4:	5.6957e+00	5.6956e+00	6e-02	2e-02	1e-15	1e-03
5:	5.7121e+00	5.7121e+00	2e-03	6e-04	2e-15	5e-05
6:	5.7127e+00	5.7127e+00	2e-05	6e-06	1e-15	5e-07

7: 5.7127e+00 5.7127e+00 2e-07 6e-08 1e-15 5e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5955e+00	1.5922e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4524e+00	3.4508e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9037e+00	3.9029e+00	3e-01	1e-01	1e-15	1e-02
4:	3.9580e+00	3.9575e+00	1e-01	4e-02	4e-15	3e-03
5:	3.9933e+00	3.9932e+00	2e-02	6e-03	2e-15	5e-04
6:	3.9969e+00	3.9968e+00	4e-03	1e-03	1e-14	1e-04
7:	3.9983e+00	3.9983e+00	6e-05	2e-05	1e-15	2e-06
8:	3.9983e+00	3.9983e+00	6e-07	2e-07	4e-15	2e-08
9:	3.9983e+00	3.9983e+00	6e-09	2e-09	7e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1021e+00	3.1026e+00	6e+00	2e+00	3e-16	1e-01
2:	4.2924e+00	4.2926e+00	2e+00	5e-01	2e-15	4e-02
3:	4.8274e+00	4.8275e+00	6e-01	2e-01	1e-15	2e-02
4:	5.0589e+00	5.0589e+00	9e-02	3e-02	2e-15	2e-03
5:	5.0844e+00	5.0844e+00	1e-02	4e-03	2e-15	4e-04
6:	5.0877e+00	5.0877e+00	1e-03	4e-04	1e-14	3e-05
7:	5.0880e+00	5.0880e+00	1e-05	4e-06	6e-15	3e-07
8:	5.0880e+00	5.0880e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6471e+00	2.6440e+00	5e+00	2e+00	3e-16	2e-01
2:	5.3755e+00	5.3739e+00	1e+00	4e-01	2e-15	4e-02
3:	5.5676e+00	5.5666e+00	5e-01	2e-01	2e-15	1e-02
4:	5.7000e+00	5.6998e+00	1e-01	3e-02	3e-15	3e-03
5:	5.7230e+00	5.7230e+00	2e-02	5e-03	2e-15	5e-04
6:	5.7283e+00	5.7283e+00	5e-03	2e-03	1e-15	1e-04
7:	5.7297e+00	5.7297e+00	3e-04	8e-05	4e-15	7e-06
8:	5.7298e+00	5.7298e+00	3e-06	8e-07	2e-15	7e-08
9:	5.7298e+00	5.7298e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9325e+00	2.9318e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2899e+00	5.2897e+00	1e+00	3e-01	1e-15	3e-02
3:	5.5994e+00	5.5994e+00	2e-01	8e-02	1e-15	6e-03
4:	5.6935e+00	5.6935e+00	3e-02	8e-03	1e-15	7e-04
5:	5.7019e+00	5.7019e+00	4e-03	1e-03	2e-14	1e-04
6:	5.7034e+00	5.7034e+00	5e-05	1e-05	1e-15	1e-06
7:	5.7034e+00	5.7034e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2820e+00	3.2803e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7654e+00	5.7647e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9076e+00	5.9071e+00	3e-01	1e-01	2e-15	8e-03
4:	5.9990e+00	5.9990e+00	4e-03	1e-03	3e-16	1e-04
5:	6.0000e+00	6.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	6.0000e+00	6.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6537e+00	2.6537e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8297e+00	4.8296e+00	2e+00	5e-01	1e-15	4e-02
3:	5.2201e+00	5.2201e+00	5e-01	1e-01	3e-15	1e-02
4:	5.3695e+00	5.3695e+00	8e-02	2e-02	2e-15	2e-03
5:	5.3890e+00	5.3890e+00	1e-02	5e-03	2e-15	4e-04
6:	5.3926e+00	5.3926e+00	5e-04	2e-04	4e-15	1e-05
7:	5.3928e+00	5.3928e+00	5e-06	2e-06	2e-15	1e-07
8:	5.3928e+00	5.3928e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5990e+00	1.5957e+00	5e+00	2e+00	3e-16	2e-01
2:	3.3007e+00	3.2984e+00	2e+00	5e-01	2e-15	5e-02
3:	3.6611e+00	3.6604e+00	4e-01	1e-01	1e-15	1e-02
4:	3.7794e+00	3.7792e+00	8e-02	2e-02	5e-16	2e-03
5:	3.8006e+00	3.8005e+00	2e-02	6e-03	2e-15	6e-04
6:	3.8053e+00	3.8052e+00	2e-03	5e-04	8e-15	4e-05
7:	3.8058e+00	3.8058e+00	2e-05	5e-06	1e-15	4e-07
8:	3.8058e+00	3.8058e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7522e+00	1.7491e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7828e+00	3.7815e+00	1e+00	4e-01	2e-15	3e-02
3:	4.1870e+00	4.1867e+00	2e-01	8e-02	1e-15	7e-03
4:	4.2485e+00	4.2485e+00	3e-02	9e-03	3e-15	8e-04
5:	4.2565e+00	4.2565e+00	6e-04	2e-04	5e-15	2e-05
6:	4.2567e+00	4.2567e+00	6e-06	2e-06	4e-15	2e-07
7:	4.2567e+00	4.2567e+00	6e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3474e+00	3.3476e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3160e+00	5.3161e+00	2e+00	6e-01	1e-15	5e-02
3:	5.8216e+00	5.8216e+00	4e-01	1e-01	8e-16	9e-03
4:	5.9414e+00	5.9414e+00	9e-02	3e-02	2e-15	2e-03
5:	5.9702e+00	5.9702e+00	2e-02	6e-03	4e-15	4e-04
6:	5.9752e+00	5.9752e+00	1e-03	4e-04	7e-15	3e-05

7:	5.9755e+00	5.9755e+00	1e-05	4e-06	3e-15	3e-07
8:	5.9756e+00	5.9756e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8039e+00	3.8057e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8093e+00	5.8097e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9945e+00	5.9945e+00	3e-02	8e-03	2e-15	6e-04
4:	5.9999e+00	5.9999e+00	3e-04	8e-05	6e-16	6e-06
5:	6.0000e+00	6.0000e+00	3e-06	8e-07	8e-16	6e-08
6:	6.0000e+00	6.0000e+00	3e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7879e+00	2.7914e+00	6e+00	2e+00	3e-16	1e-01
2:	4.8361e+00	4.8374e+00	1e+00	4e-01	9e-16	3e-02
3:	5.2673e+00	5.2677e+00	3e-01	1e-01	9e-16	8e-03
4:	5.3204e+00	5.3205e+00	9e-02	3e-02	2e-15	2e-03
5:	5.3410e+00	5.3410e+00	2e-02	5e-03	9e-15	4e-04
6:	5.3445e+00	5.3445e+00	1e-03	4e-04	4e-14	3e-05
7:	5.3449e+00	5.3449e+00	1e-05	4e-06	2e-15	3e-07
8:	5.3449e+00	5.3449e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8779e+00	1.8765e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9044e+00	3.9038e+00	2e+00	5e-01	7e-16	4e-02
3:	4.3190e+00	4.3188e+00	5e-01	1e-01	9e-16	1e-02
4:	4.4311e+00	4.4310e+00	1e-01	4e-02	8e-16	3e-03
5:	4.4557e+00	4.4557e+00	2e-02	5e-03	2e-15	4e-04
6:	4.4604e+00	4.4604e+00	5e-04	2e-04	9e-16	1e-05
7:	4.4605e+00	4.4605e+00	5e-06	2e-06	6e-16	1e-07
8:	4.4605e+00	4.4605e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2872e+00	3.2874e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5692e+00	5.5692e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9452e+00	5.9452e+00	4e-01	1e-01	2e-15	9e-03
4:	5.9972e+00	5.9972e+00	1e-02	4e-03	4e-15	3e-04
5:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	6.0000e+00	6.0000e+00	1e-06	4e-07	2e-15	3e-08
7:	6.0000e+00	6.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8952e+00	3.8979e+00	6e+00	2e+00	3e-16	1e-01
2:	5.5264e+00	5.5275e+00	2e+00	6e-01	1e-15	5e-02

3:	5.9063e+00	5.9066e+00	3e-01	1e-01	2e-15	8e-03
4:	5.9889e+00	5.9890e+00	6e-02	2e-02	1e-14	2e-03
5:	5.9999e+00	5.9999e+00	7e-04	2e-04	6e-15	2e-05
6:	6.0000e+00	6.0000e+00	7e-06	2e-06	6e-15	2e-07
7:	6.0000e+00	6.0000e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6661e+00	2.6643e+00	6e+00	2e+00	3e-16	1e-01
2:	4.7051e+00	4.7045e+00	1e+00	4e-01	1e-15	4e-02
3:	5.0804e+00	5.0801e+00	4e-01	1e-01	2e-15	1e-02
4:	5.2325e+00	5.2325e+00	4e-02	1e-02	2e-15	1e-03
5:	5.2455e+00	5.2455e+00	1e-03	4e-04	5e-15	3e-05
6:	5.2459e+00	5.2459e+00	1e-05	4e-06	5e-15	3e-07
7:	5.2459e+00	5.2459e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0763e+00	4.0770e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8340e+00	5.8342e+00	1e+00	3e-01	2e-15	3e-02
3:	5.9973e+00	5.9973e+00	2e-02	5e-03	6e-16	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	7e-16	4e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9597e+00	2.9599e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7699e+00	4.7700e+00	2e+00	5e-01	1e-15	4e-02
3:	5.1965e+00	5.1966e+00	4e-01	1e-01	1e-15	1e-02
4:	5.3174e+00	5.3174e+00	1e-01	3e-02	1e-15	3e-03
5:	5.3475e+00	5.3475e+00	3e-02	1e-02	1e-15	8e-04
6:	5.3605e+00	5.3605e+00	5e-03	2e-03	6e-16	1e-04
7:	5.3619e+00	5.3619e+00	8e-04	2e-04	2e-14	2e-05
8:	5.3622e+00	5.3622e+00	8e-06	2e-06	9e-16	2e-07
9:	5.3622e+00	5.3622e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9506e+00	2.9539e+00	7e+00	2e+00	3e-16	2e-01
2:	5.0350e+00	5.0364e+00	2e+00	7e-01	1e-15	5e-02
3:	5.3656e+00	5.3661e+00	5e-01	2e-01	1e-15	1e-02
4:	5.5258e+00	5.5259e+00	1e-01	4e-02	8e-16	3e-03
5:	5.5462e+00	5.5463e+00	3e-02	8e-03	5e-15	7e-04
6:	5.5537e+00	5.5537e+00	4e-03	1e-03	1e-15	9e-05
7:	5.5550e+00	5.5550e+00	9e-04	3e-04	1e-15	2e-05
8:	5.5552e+00	5.5552e+00	1e-04	4e-05	9e-15	3e-06
9:	5.5552e+00	5.5552e+00	1e-06	4e-07	2e-15	3e-08

10: 5.5552e+00 5.5552e+00 1e-08 4e-09 1e-14 3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7107e+00	2.7107e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7667e+00	4.7667e+00	1e+00	4e-01	6e-16	3e-02
3:	5.0783e+00	5.0783e+00	3e-01	9e-02	9e-16	7e-03
4:	5.1803e+00	5.1803e+00	3e-02	1e-02	1e-15	8e-04
5:	5.1881e+00	5.1881e+00	3e-03	1e-03	7e-15	8e-05
6:	5.1893e+00	5.1893e+00	4e-05	1e-05	8e-16	9e-07
7:	5.1893e+00	5.1893e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7842e+00	1.7831e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8136e+00	2.8132e+00	1e+00	5e-01	1e-15	4e-02
3:	3.2994e+00	3.2993e+00	3e-01	9e-02	7e-16	8e-03
4:	3.3902e+00	3.3901e+00	6e-02	2e-02	7e-16	1e-03
5:	3.4045e+00	3.4045e+00	7e-03	2e-03	1e-15	2e-04
6:	3.4061e+00	3.4061e+00	7e-05	2e-05	4e-15	2e-06
7:	3.4061e+00	3.4061e+00	7e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3710e+00	3.3738e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8148e+00	5.8158e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9122e+00	5.9127e+00	3e-01	9e-02	3e-15	7e-03
4:	5.9990e+00	5.9990e+00	4e-03	1e-03	5e-16	9e-05
5:	6.0000e+00	6.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	6.0000e+00	6.0000e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3659e+00	2.3626e+00	5e+00	2e+00	2e-16	2e-01
2:	4.5005e+00	4.4991e+00	1e+00	3e-01	2e-15	3e-02
3:	4.8950e+00	4.8945e+00	3e-01	1e-01	3e-15	9e-03
4:	4.9673e+00	4.9669e+00	1e-01	4e-02	4e-15	4e-03
5:	4.9931e+00	4.9930e+00	4e-02	1e-02	7e-15	1e-03
6:	5.0067e+00	5.0067e+00	1e-03	5e-04	2e-15	4e-05
7:	5.0071e+00	5.0071e+00	6e-05	2e-05	2e-13	2e-06
8:	5.0072e+00	5.0072e+00	7e-07	2e-07	1e-13	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2497e+00	3.2512e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5933e+00	5.5938e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9931e+00	5.9932e+00	2e-01	6e-02	2e-15	4e-03
4:	6.0539e+00	6.0539e+00	3e-02	9e-03	2e-15	7e-04

5:	6.0655e+00	6.0655e+00	6e-03	2e-03	5e-15	2e-04
6:	6.0675e+00	6.0675e+00	1e-04	4e-05	2e-14	4e-06
7:	6.0675e+00	6.0675e+00	1e-06	4e-07	4e-15	4e-08
8:	6.0675e+00	6.0675e+00	1e-08	4e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4080e+00	3.4059e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5622e+00	5.5614e+00	2e+00	5e-01	9e-16	4e-02
3:	5.9366e+00	5.9360e+00	5e-01	2e-01	2e-15	1e-02
4:	6.1068e+00	6.1067e+00	5e-02	2e-02	7e-16	1e-03
5:	6.1255e+00	6.1255e+00	6e-04	2e-04	9e-16	2e-05
6:	6.1258e+00	6.1258e+00	6e-06	2e-06	7e-16	2e-07
7:	6.1258e+00	6.1258e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7223e+00	1.7191e+00	5e+00	2e+00	2e-16	2e-01
2:	3.5442e+00	3.5426e+00	2e+00	5e-01	1e-15	5e-02
3:	3.8977e+00	3.8972e+00	3e-01	1e-01	1e-15	1e-02
4:	3.9861e+00	3.9859e+00	1e-01	4e-02	1e-15	3e-03
5:	4.0224e+00	4.0223e+00	2e-02	6e-03	1e-15	6e-04
6:	4.0292e+00	4.0292e+00	3e-04	1e-04	2e-15	8e-06
7:	4.0293e+00	4.0293e+00	3e-06	1e-06	7e-16	8e-08
8:	4.0293e+00	4.0293e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6216e+00	2.6240e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7445e+00	4.7451e+00	1e+00	4e-01	9e-16	3e-02
3:	5.1626e+00	5.1628e+00	3e-01	1e-01	7e-16	8e-03
4:	5.2630e+00	5.2631e+00	7e-02	2e-02	1e-15	2e-03
5:	5.2822e+00	5.2822e+00	3e-03	8e-04	4e-15	6e-05
6:	5.2830e+00	5.2830e+00	3e-05	8e-06	1e-15	6e-07
7:	5.2830e+00	5.2830e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1925e+00	4.1958e+00	6e+00	2e+00	2e-16	1e-01
2:	6.6708e+00	6.6717e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9576e+00	6.9578e+00	2e-01	7e-02	3e-15	5e-03
4:	6.9981e+00	6.9981e+00	7e-03	2e-03	5e-15	2e-04
5:	7.0000e+00	7.0000e+00	7e-05	2e-05	3e-15	2e-06
6:	7.0000e+00	7.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6979e+00	2.6960e+00	6e+00	2e+00	2e-16	2e-01



2:	4.6407e+00	4.6401e+00	1e+00	4e-01	1e-15	4e-02
3:	5.0769e+00	5.0767e+00	3e-01	1e-01	2e-15	8e-03
4:	5.2155e+00	5.2155e+00	6e-02	2e-02	2e-15	2e-03
5:	5.2377e+00	5.2377e+00	5e-03	2e-03	8e-15	1e-04
6:	5.2391e+00	5.2391e+00	1e-04	4e-05	8e-14	3e-06
7:	5.2391e+00	5.2391e+00	1e-06	4e-07	2e-14	3e-08
8:	5.2391e+00	5.2391e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9713e+00	2.9681e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2607e+00	5.2592e+00	2e+00	5e-01	3e-15	5e-02
3:	5.8077e+00	5.8074e+00	3e-01	9e-02	2e-15	8e-03
4:	5.8724e+00	5.8723e+00	5e-02	2e-02	2e-15	1e-03
5:	5.8907e+00	5.8907e+00	4e-03	1e-03	1e-15	1e-04
6:	5.8919e+00	5.8919e+00	4e-05	1e-05	1e-15	1e-06
7:	5.8919e+00	5.8919e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3934e+00	3.3933e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6333e+00	5.6332e+00	2e+00	7e-01	1e-15	6e-02
3:	6.5274e+00	6.5274e+00	7e-01	2e-01	1e-15	2e-02
4:	6.6938e+00	6.6938e+00	2e-01	7e-02	4e-15	6e-03
5:	6.7718e+00	6.7718e+00	5e-02	2e-02	4e-15	1e-03
6:	6.7850e+00	6.7850e+00	1e-02	3e-03	9e-15	2e-04
7:	6.7887e+00	6.7887e+00	2e-04	5e-05	4e-15	4e-06
8:	6.7888e+00	6.7888e+00	2e-06	5e-07	5e-15	4e-08
9:	6.7888e+00	6.7888e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6240e+00	2.6234e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9968e+00	4.9966e+00	9e-01	3e-01	1e-15	2e-02
3:	5.2815e+00	5.2815e+00	2e-01	5e-02	1e-15	4e-03
4:	5.3240e+00	5.3240e+00	4e-02	1e-02	7e-15	9e-04
5:	5.3371e+00	5.3371e+00	6e-04	2e-04	8e-16	2e-05
6:	5.3373e+00	5.3373e+00	6e-06	2e-06	3e-15	2e-07
7:	5.3373e+00	5.3373e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1732e+00	2.1700e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2777e+00	4.2763e+00	1e+00	4e-01	1e-15	4e-02
3:	4.7068e+00	4.7064e+00	3e-01	9e-02	1e-15	8e-03
4:	4.7684e+00	4.7683e+00	7e-02	2e-02	3e-15	2e-03
5:	4.7860e+00	4.7859e+00	2e-02	6e-03	2e-14	5e-04
6:	4.7917e+00	4.7917e+00	5e-03	2e-03	6e-15	1e-04

7:	4.7928e+00	4.7928e+00	3e-04	1e-04	2e-14	8e-06
8:	4.7929e+00	4.7929e+00	3e-06	1e-06	9e-15	8e-08
9:	4.7929e+00	4.7929e+00	3e-08	1e-08	9e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3096e+00	2.3084e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5009e+00	4.5005e+00	1e+00	4e-01	2e-15	3e-02
3:	4.8149e+00	4.8147e+00	3e-01	1e-01	2e-15	8e-03
4:	4.8928e+00	4.8927e+00	7e-02	2e-02	2e-15	2e-03
5:	4.9153e+00	4.9153e+00	1e-02	4e-03	2e-15	3e-04
6:	4.9184e+00	4.9184e+00	1e-03	5e-04	7e-15	4e-05
7:	4.9189e+00	4.9189e+00	2e-05	5e-06	1e-15	4e-07
8:	4.9189e+00	4.9189e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4913e+00	2.4905e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7305e+00	4.7303e+00	1e+00	4e-01	8e-16	3e-02
3:	5.1251e+00	5.1251e+00	2e-01	6e-02	1e-15	5e-03
4:	5.1744e+00	5.1744e+00	3e-02	1e-02	2e-15	8e-04
5:	5.1862e+00	5.1862e+00	2e-03	6e-04	2e-15	4e-05
6:	5.1868e+00	5.1868e+00	2e-05	6e-06	6e-16	5e-07
7:	5.1868e+00	5.1868e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0222e+00	4.0216e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6227e+00	6.6225e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9109e+00	6.9108e+00	3e-01	1e-01	3e-15	8e-03
4:	6.9935e+00	6.9935e+00	3e-02	9e-03	1e-14	7e-04
5:	6.9999e+00	6.9999e+00	3e-04	1e-04	3e-15	8e-06
6:	7.0000e+00	7.0000e+00	3e-06	1e-06	2e-15	8e-08
7:	7.0000e+00	7.0000e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6177e+00	3.6155e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6360e+00	5.6353e+00	1e+00	5e-01	2e-15	4e-02
3:	6.2558e+00	6.2556e+00	2e-01	8e-02	1e-15	6e-03
4:	6.3176e+00	6.3175e+00	6e-02	2e-02	6e-15	1e-03
5:	6.3349e+00	6.3349e+00	5e-03	2e-03	2e-15	1e-04
6:	6.3363e+00	6.3363e+00	6e-05	2e-05	1e-15	1e-06
7:	6.3363e+00	6.3363e+00	6e-07	2e-07	1e-15	1e-08
8:	6.3363e+00	6.3363e+00	6e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.6117e+00	3.6105e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3052e+00	6.3048e+00	1e+00	4e-01	1e-15	3e-02
3:	6.6964e+00	6.6963e+00	3e-01	1e-01	1e-15	9e-03
4:	6.7883e+00	6.7883e+00	8e-02	3e-02	2e-15	2e-03
5:	6.8083e+00	6.8083e+00	1e-02	3e-03	1e-14	3e-04
6:	6.8114e+00	6.8114e+00	1e-04	3e-05	2e-15	3e-06
7:	6.8114e+00	6.8114e+00	1e-06	3e-07	1e-15	3e-08
8:	6.8114e+00	6.8114e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6792e+00	2.6829e+00	6e+00	2e+00	3e-16	1e-01
2:	4.3670e+00	4.3685e+00	2e+00	5e-01	1e-15	4e-02
3:	4.8365e+00	4.8372e+00	6e-01	2e-01	7e-16	1e-02
4:	4.9150e+00	4.9154e+00	2e-01	6e-02	3e-15	4e-03
5:	4.9564e+00	4.9565e+00	8e-02	2e-02	1e-15	2e-03
6:	4.9762e+00	4.9762e+00	6e-03	2e-03	2e-15	2e-04
7:	4.9781e+00	4.9781e+00	1e-03	4e-04	1e-15	3e-05
8:	4.9784e+00	4.9784e+00	1e-04	4e-05	1e-14	3e-06
9:	4.9785e+00	4.9785e+00	1e-06	4e-07	2e-15	3e-08
10:	4.9785e+00	4.9785e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2226e+00	3.2220e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1309e+00	5.1307e+00	2e+00	6e-01	2e-15	4e-02
3:	5.6606e+00	5.6605e+00	4e-01	1e-01	1e-15	9e-03
4:	5.7480e+00	5.7479e+00	1e-01	3e-02	4e-15	3e-03
5:	5.7749e+00	5.7749e+00	7e-03	2e-03	2e-15	2e-04
6:	5.7771e+00	5.7771e+00	1e-03	5e-04	2e-15	4e-05
7:	5.7775e+00	5.7775e+00	2e-05	7e-06	4e-15	5e-07
8:	5.7775e+00	5.7775e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0320e+00	4.0322e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3446e+00	6.3447e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9115e+00	6.9115e+00	3e-01	8e-02	1e-15	6e-03
4:	6.9928e+00	6.9928e+00	4e-02	1e-02	8e-15	1e-03
5:	6.9990e+00	6.9990e+00	3e-03	1e-03	6e-14	8e-05
6:	7.0000e+00	7.0000e+00	3e-05	1e-05	5e-15	8e-07
7:	7.0000e+00	7.0000e+00	3e-07	1e-07	6e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2850e+00	2.2825e+00	6e+00	2e+00	3e-16	2e-01
2:	4.1523e+00	4.1512e+00	1e+00	4e-01	2e-15	4e-02
3:	4.5270e+00	4.5268e+00	2e-01	7e-02	7e-16	6e-03

4:	4.5984e+00	4.5984e+00	4e-02	1e-02	2e-15	1e-03
5:	4.6118e+00	4.6118e+00	3e-03	1e-03	1e-15	8e-05
6:	4.6127e+00	4.6127e+00	3e-05	1e-05	1e-15	8e-07
7:	4.6127e+00	4.6127e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6206e+00	2.6173e+00	5e+00	2e+00	2e-16	2e-01
2:	4.7694e+00	4.7681e+00	1e+00	3e-01	2e-15	3e-02
3:	5.1760e+00	5.1757e+00	2e-01	5e-02	2e-15	5e-03
4:	5.2277e+00	5.2276e+00	3e-02	1e-02	3e-14	1e-03
5:	5.2402e+00	5.2402e+00	2e-03	6e-04	4e-15	5e-05
6:	5.2408e+00	5.2408e+00	2e-05	6e-06	7e-15	5e-07
7:	5.2408e+00	5.2408e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8249e+00	2.8220e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1237e+00	5.1222e+00	2e+00	5e-01	3e-15	4e-02
3:	5.5414e+00	5.5409e+00	4e-01	1e-01	4e-15	1e-02
4:	5.6163e+00	5.6162e+00	1e-01	3e-02	4e-15	3e-03
5:	5.6494e+00	5.6494e+00	6e-03	2e-03	1e-15	2e-04
6:	5.6517e+00	5.6517e+00	6e-05	2e-05	6e-16	2e-06
7:	5.6517e+00	5.6517e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5833e+00	4.5841e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5585e+00	6.5588e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9257e+00	6.9258e+00	4e-01	1e-01	2e-15	9e-03
4:	6.9987e+00	6.9987e+00	6e-03	2e-03	3e-15	1e-04
5:	7.0000e+00	7.0000e+00	6e-05	2e-05	9e-16	1e-06
6:	7.0000e+00	7.0000e+00	6e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3155e+00	2.3124e+00	5e+00	2e+00	3e-16	2e-01
2:	4.0817e+00	4.0807e+00	1e+00	3e-01	2e-15	3e-02
3:	4.4323e+00	4.4320e+00	2e-01	7e-02	1e-15	6e-03
4:	4.5370e+00	4.5370e+00	2e-02	5e-03	8e-16	5e-04
5:	4.5436e+00	4.5436e+00	9e-04	3e-04	2e-14	2e-05
6:	4.5438e+00	4.5438e+00	1e-05	4e-06	3e-14	3e-07
7:	4.5438e+00	4.5438e+00	1e-07	4e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1734e+00	4.1758e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1729e+00	6.1738e+00	2e+00	6e-01	1e-15	4e-02

3:	6.7248e+00	6.7251e+00	4e-01	1e-01	9e-16	1e-02
4:	6.8532e+00	6.8532e+00	8e-02	3e-02	2e-15	2e-03
5:	6.8769e+00	6.8769e+00	1e-02	3e-03	2e-15	3e-04
6:	6.8797e+00	6.8797e+00	3e-03	9e-04	6e-15	7e-05
7:	6.8804e+00	6.8804e+00	4e-04	1e-04	5e-14	1e-05
8:	6.8805e+00	6.8805e+00	5e-06	1e-06	2e-15	1e-07
9:	6.8805e+00	6.8805e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3380e+00	3.3416e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6983e+00	5.7000e+00	2e+00	6e-01	1e-15	5e-02
3:	6.3608e+00	6.3615e+00	5e-01	2e-01	9e-16	1e-02
4:	6.4588e+00	6.4591e+00	2e-01	6e-02	3e-15	4e-03
5:	6.4963e+00	6.4964e+00	5e-02	1e-02	2e-15	1e-03
6:	6.5114e+00	6.5114e+00	2e-03	6e-04	1e-15	5e-05
7:	6.5118e+00	6.5118e+00	2e-04	7e-05	9e-14	5e-06
8:	6.5119e+00	6.5119e+00	5e-06	2e-06	3e-13	1e-07
9:	6.5119e+00	6.5119e+00	5e-08	2e-08	2e-13	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2140e+00	3.2141e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2468e+00	5.2469e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8623e+00	5.8623e+00	3e-01	9e-02	3e-15	7e-03
4:	5.9249e+00	5.9249e+00	8e-02	3e-02	1e-14	2e-03
5:	5.9542e+00	5.9542e+00	2e-02	6e-03	3e-15	5e-04
6:	5.9579e+00	5.9579e+00	7e-03	2e-03	2e-14	2e-04
7:	5.9602e+00	5.9602e+00	8e-05	3e-05	2e-15	2e-06
8:	5.9602e+00	5.9602e+00	8e-07	3e-07	4e-15	2e-08
9:	5.9602e+00	5.9602e+00	8e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2034e+00	3.2023e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4098e+00	5.4095e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9512e+00	5.9511e+00	2e-01	7e-02	1e-15	5e-03
4:	5.9823e+00	5.9822e+00	9e-02	3e-02	7e-15	2e-03
5:	6.0070e+00	6.0070e+00	2e-02	6e-03	2e-15	5e-04
6:	6.0129e+00	6.0129e+00	6e-03	2e-03	9e-16	1e-04
7:	6.0145e+00	6.0145e+00	2e-04	6e-05	3e-15	5e-06
8:	6.0145e+00	6.0145e+00	4e-06	1e-06	2e-14	9e-08
9:	6.0145e+00	6.0145e+00	4e-08	1e-08	9e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4445e+00	3.4434e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2205e+00	6.2201e+00	1e+00	4e-01	1e-15	3e-02

3:	6.5732e+00	6.5730e+00	2e-01	7e-02	4e-15	6e-03
4:	6.6037e+00	6.6037e+00	3e-02	1e-02	3e-15	8e-04
5:	6.6116e+00	6.6116e+00	1e-02	4e-03	2e-15	3e-04
6:	6.6134e+00	6.6134e+00	4e-03	1e-03	1e-14	1e-04
7:	6.6146e+00	6.6146e+00	9e-05	3e-05	1e-15	2e-06
8:	6.6146e+00	6.6146e+00	9e-07	3e-07	2e-15	2e-08
9:	6.6146e+00	6.6146e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8844e+00	2.8843e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9504e+00	4.9503e+00	2e+00	6e-01	1e-15	5e-02
3:	5.4898e+00	5.4898e+00	4e-01	1e-01	1e-15	1e-02
4:	5.5883e+00	5.5883e+00	1e-01	3e-02	4e-15	3e-03
5:	5.6239e+00	5.6239e+00	2e-02	5e-03	3e-15	4e-04
6:	5.6299e+00	5.6299e+00	2e-04	7e-05	6e-16	6e-06
7:	5.6300e+00	5.6300e+00	2e-06	7e-07	6e-16	6e-08
8:	5.6300e+00	5.6300e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4898e+00	3.4873e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4014e+00	5.4004e+00	2e+00	5e-01	2e-15	4e-02
3:	5.8701e+00	5.8697e+00	3e-01	1e-01	3e-15	9e-03
4:	5.9779e+00	5.9779e+00	4e-02	1e-02	2e-15	1e-03
5:	5.9895e+00	5.9895e+00	8e-03	3e-03	5e-15	2e-04
6:	5.9928e+00	5.9928e+00	9e-04	3e-04	8e-15	2e-05
7:	5.9931e+00	5.9931e+00	1e-05	4e-06	4e-14	3e-07
8:	5.9931e+00	5.9931e+00	1e-07	4e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4547e+00	3.4548e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7608e+00	5.7608e+00	1e+00	4e-01	1e-15	3e-02
3:	6.1003e+00	6.1003e+00	3e-01	9e-02	7e-16	7e-03
4:	6.2153e+00	6.2153e+00	3e-02	9e-03	6e-16	7e-04
5:	6.2203e+00	6.2203e+00	1e-02	3e-03	4e-14	3e-04
6:	6.2239e+00	6.2239e+00	2e-04	6e-05	2e-15	5e-06
7:	6.2239e+00	6.2239e+00	2e-06	6e-07	2e-15	5e-08
8:	6.2239e+00	6.2239e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9643e+00	3.9637e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0243e+00	6.0242e+00	9e-01	3e-01	2e-15	2e-02
3:	6.3703e+00	6.3702e+00	9e-02	3e-02	9e-16	2e-03
4:	6.4012e+00	6.4012e+00	2e-02	7e-03	2e-15	6e-04
5:	6.4083e+00	6.4083e+00	4e-04	1e-04	1e-15	9e-06

6:	6.4084e+00	6.4084e+00	4e-06	1e-06	1e-15	9e-08
7:	6.4084e+00	6.4084e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1892e+00	2.1865e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3684e+00	4.3673e+00	1e+00	4e-01	1e-15	3e-02
3:	4.6874e+00	4.6871e+00	2e-01	7e-02	1e-15	6e-03
4:	4.7483e+00	4.7483e+00	5e-02	1e-02	2e-15	1e-03
5:	4.7646e+00	4.7646e+00	5e-04	2e-04	6e-16	1e-05
6:	4.7648e+00	4.7648e+00	5e-06	2e-06	8e-16	1e-07
7:	4.7648e+00	4.7648e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6583e+00	3.6584e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7963e+00	5.7963e+00	2e+00	5e-01	9e-16	4e-02
3:	6.5611e+00	6.5611e+00	4e-01	1e-01	1e-15	9e-03
4:	6.6189e+00	6.6189e+00	2e-01	5e-02	7e-15	4e-03
5:	6.6712e+00	6.6712e+00	3e-02	9e-03	2e-15	7e-04
6:	6.6825e+00	6.6825e+00	2e-03	6e-04	3e-15	5e-05
7:	6.6832e+00	6.6832e+00	2e-05	7e-06	9e-15	5e-07
8:	6.6832e+00	6.6832e+00	2e-07	7e-08	8e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2321e+00	3.2335e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5188e+00	5.5192e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8244e+00	5.8245e+00	2e-01	7e-02	1e-15	5e-03
4:	5.8915e+00	5.8915e+00	2e-02	7e-03	1e-15	5e-04
5:	5.8987e+00	5.8987e+00	7e-03	2e-03	7e-16	2e-04
6:	5.8995e+00	5.8995e+00	4e-03	1e-03	5e-15	9e-05
7:	5.9007e+00	5.9007e+00	7e-05	2e-05	9e-16	2e-06
8:	5.9007e+00	5.9007e+00	7e-07	2e-07	2e-15	2e-08
9:	5.9007e+00	5.9007e+00	7e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6465e+00	4.6486e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7324e+00	6.7330e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9830e+00	6.9831e+00	6e-02	2e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	6e-04	2e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4780e+00	3.4759e+00	6e+00	2e+00	3e-16	2e-01

2:	6.1099e+00	6.1091e+00	1e+00	4e-01	3e-15	3e-02
3:	6.4863e+00	6.4858e+00	4e-01	1e-01	4e-15	1e-02
4:	6.6520e+00	6.6519e+00	7e-02	2e-02	2e-15	2e-03
5:	6.6711e+00	6.6711e+00	2e-02	6e-03	6e-15	5e-04
6:	6.6760e+00	6.6760e+00	5e-04	2e-04	1e-14	1e-05
7:	6.6761e+00	6.6761e+00	5e-06	2e-06	5e-15	1e-07
8:	6.6761e+00	6.6761e+00	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1876e+00	3.1893e+00	7e+00	2e+00	3e-16	2e-01
2:	5.1305e+00	5.1311e+00	2e+00	5e-01	1e-15	4e-02
3:	5.5109e+00	5.5110e+00	2e-01	7e-02	8e-16	6e-03
4:	5.5833e+00	5.5834e+00	8e-02	3e-02	1e-15	2e-03
5:	5.6042e+00	5.6042e+00	9e-03	3e-03	2e-15	2e-04
6:	5.6069e+00	5.6069e+00	2e-04	5e-05	3e-15	4e-06
7:	5.6070e+00	5.6070e+00	2e-06	5e-07	2e-15	4e-08
8:	5.6070e+00	5.6070e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0007e+00	3.0013e+00	6e+00	2e+00	2e-16	1e-01
2:	4.7138e+00	4.7141e+00	2e+00	6e-01	8e-16	5e-02
3:	5.1481e+00	5.1482e+00	6e-01	2e-01	7e-16	2e-02
4:	5.3392e+00	5.3392e+00	6e-02	2e-02	7e-16	2e-03
5:	5.3570e+00	5.3570e+00	3e-03	8e-04	1e-15	7e-05
6:	5.3577e+00	5.3577e+00	3e-05	8e-06	2e-15	7e-07
7:	5.3577e+00	5.3577e+00	3e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8737e+00	2.8777e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8704e+00	4.8714e+00	1e+00	4e-01	2e-15	3e-02
3:	5.1567e+00	5.1570e+00	3e-01	9e-02	1e-15	7e-03
4:	5.2952e+00	5.2952e+00	3e-02	1e-02	8e-16	8e-04
5:	5.3009e+00	5.3010e+00	1e-02	4e-03	9e-15	3e-04
6:	5.3053e+00	5.3053e+00	2e-04	7e-05	1e-15	5e-06
7:	5.3054e+00	5.3054e+00	2e-06	7e-07	6e-15	5e-08
8:	5.3054e+00	5.3054e+00	2e-08	7e-09	7e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9696e+00	2.9676e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0530e+00	5.0521e+00	2e+00	5e-01	2e-15	4e-02
3:	5.4653e+00	5.4652e+00	3e-01	9e-02	1e-15	8e-03
4:	5.5565e+00	5.5564e+00	8e-02	3e-02	2e-15	2e-03
5:	5.5782e+00	5.5782e+00	1e-02	4e-03	3e-15	3e-04
6:	5.5813e+00	5.5813e+00	2e-04	5e-05	6e-15	4e-06



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7:  5.5813e+00  5.5813e+00  2e-06  5e-07  3e-15  4e-08
8:  5.5813e+00  5.5813e+00  2e-08  5e-09  3e-15  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.7167e+00  3.7185e+00  7e+00  2e+00  2e-16  2e-01
2:  6.4173e+00  6.4179e+00  2e+00  5e-01  2e-15  4e-02
3:  6.8214e+00  6.8218e+00  5e-01  2e-01  5e-15  1e-02
4:  6.9678e+00  6.9679e+00  9e-02  3e-02  1e-15  2e-03
5:  6.9960e+00  6.9961e+00  2e-02  7e-03  1e-15  5e-04
6:  6.9963e+00  6.9963e+00  1e-02  4e-03  1e-13  3e-04
7:  6.9999e+00  6.9999e+00  5e-04  2e-04  3e-14  1e-05
8:  7.0000e+00  7.0000e+00  5e-06  2e-06  9e-14  1e-07
9:  7.0000e+00  7.0000e+00  5e-08  2e-08  6e-14  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.5533e+00  3.5508e+00  6e+00  2e+00  2e-16  2e-01
2:  5.7004e+00  5.6996e+00  1e+00  3e-01  3e-15  3e-02
3:  6.0168e+00  6.0163e+00  4e-01  1e-01  2e-15  1e-02
4:  6.0928e+00  6.0926e+00  1e-01  5e-02  5e-15  4e-03
5:  6.1464e+00  6.1463e+00  6e-03  2e-03  7e-16  2e-04
6:  6.1482e+00  6.1482e+00  6e-05  2e-05  7e-16  2e-06
7:  6.1482e+00  6.1482e+00  6e-07  2e-07  6e-16  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  2.8193e+00  2.8160e+00  5e+00  2e+00  2e-16  2e-01
2:  5.4451e+00  5.4432e+00  1e+00  4e-01  2e-15  4e-02
3:  5.8462e+00  5.8455e+00  3e-01  1e-01  2e-15  9e-03
4:  5.9451e+00  5.9449e+00  6e-02  2e-02  5e-15  2e-03
5:  5.9598e+00  5.9597e+00  8e-03  2e-03  1e-14  2e-04
6:  5.9615e+00  5.9614e+00  4e-03  1e-03  6e-15  9e-05
7:  5.9625e+00  5.9625e+00  4e-05  1e-05  3e-15  1e-06
8:  5.9626e+00  5.9626e+00  4e-07  1e-07  4e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.9096e+00  3.9121e+00  7e+00  2e+00  2e-16  2e-01
2:  6.7288e+00  6.7295e+00  1e+00  5e-01  1e-15  4e-02
3:  6.9704e+00  6.9705e+00  1e-01  3e-02  3e-15  3e-03
4:  6.9997e+00  6.9997e+00  1e-03  3e-04  6e-16  3e-05
5:  7.0000e+00  7.0000e+00  1e-05  3e-06  7e-16  3e-07
6:  7.0000e+00  7.0000e+00  1e-07  3e-08  5e-16  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.1382e+00  3.1400e+00  6e+00  2e+00  2e-16  2e-01

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2:	5.4915e+00	5.4921e+00	1e+00	5e-01	1e-15	4e-02
3:	5.9404e+00	5.9406e+00	4e-01	1e-01	9e-16	1e-02
4:	6.0118e+00	6.0119e+00	1e-01	5e-02	3e-15	4e-03
5:	6.0665e+00	6.0665e+00	4e-03	1e-03	6e-16	9e-05
6:	6.0678e+00	6.0678e+00	4e-05	1e-05	6e-16	9e-07
7:	6.0678e+00	6.0678e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1613e+00	4.1621e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7021e+00	6.7024e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9807e+00	6.9807e+00	9e-02	3e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	9e-04	3e-04	7e-16	2e-05
5:	7.0000e+00	7.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	7.0000e+00	7.0000e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7021e+00	2.6988e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9345e+00	4.9330e+00	1e+00	4e-01	2e-15	4e-02
3:	5.3239e+00	5.3233e+00	4e-01	1e-01	2e-15	1e-02
4:	5.4237e+00	5.4235e+00	1e-01	4e-02	4e-15	3e-03
5:	5.4562e+00	5.4561e+00	2e-02	8e-03	5e-15	7e-04
6:	5.4631e+00	5.4631e+00	1e-03	5e-04	7e-15	4e-05
7:	5.4636e+00	5.4636e+00	2e-05	7e-06	1e-15	6e-07
8:	5.4637e+00	5.4637e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3197e+00	3.3178e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0187e+00	6.0179e+00	2e+00	5e-01	1e-15	4e-02
3:	6.6947e+00	6.6944e+00	4e-01	1e-01	2e-15	9e-03
4:	6.7826e+00	6.7825e+00	1e-01	3e-02	3e-15	3e-03
5:	6.8109e+00	6.8109e+00	6e-03	2e-03	7e-15	2e-04
6:	6.8131e+00	6.8131e+00	6e-05	2e-05	2e-15	2e-06
7:	6.8132e+00	6.8132e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0903e+00	4.0925e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5378e+00	6.5386e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9052e+00	6.9055e+00	5e-01	2e-01	2e-15	1e-02
4:	6.9935e+00	6.9935e+00	2e-02	7e-03	4e-15	6e-04
5:	6.9999e+00	6.9999e+00	2e-04	7e-05	7e-16	6e-06
6:	7.0000e+00	7.0000e+00	2e-06	7e-07	9e-16	6e-08
7:	7.0000e+00	7.0000e+00	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8594e+00	3.8581e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0274e+00	6.0269e+00	2e+00	6e-01	7e-16	5e-02
3:	6.4589e+00	6.4586e+00	5e-01	2e-01	3e-15	1e-02
4:	6.6482e+00	6.6482e+00	1e-01	3e-02	2e-15	2e-03
5:	6.6772e+00	6.6772e+00	2e-02	5e-03	5e-15	4e-04
6:	6.6833e+00	6.6833e+00	4e-03	1e-03	3e-15	1e-04
7:	6.6848e+00	6.6848e+00	8e-05	3e-05	3e-15	2e-06
8:	6.6848e+00	6.6848e+00	8e-07	3e-07	3e-15	2e-08
9:	6.6848e+00	6.6848e+00	8e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6960e+00	3.6955e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5344e+00	5.5342e+00	2e+00	5e-01	2e-15	4e-02
3:	6.0146e+00	6.0145e+00	3e-01	1e-01	1e-15	9e-03
4:	6.1134e+00	6.1134e+00	1e-01	4e-02	1e-15	3e-03
5:	6.1461e+00	6.1461e+00	2e-02	6e-03	2e-15	5e-04
6:	6.1518e+00	6.1518e+00	6e-04	2e-04	4e-15	2e-05
7:	6.1520e+00	6.1520e+00	6e-06	2e-06	2e-15	2e-07
8:	6.1520e+00	6.1520e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6890e+00	3.6895e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7508e+00	5.7510e+00	2e+00	5e-01	2e-15	4e-02
3:	6.5553e+00	6.5553e+00	3e-01	1e-01	1e-15	8e-03
4:	6.6440e+00	6.6441e+00	9e-02	3e-02	4e-15	2e-03
5:	6.6633e+00	6.6633e+00	2e-02	8e-03	1e-14	6e-04
6:	6.6707e+00	6.6707e+00	3e-03	1e-03	4e-15	8e-05
7:	6.6717e+00	6.6717e+00	6e-05	2e-05	8e-15	1e-06
8:	6.6717e+00	6.6717e+00	6e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2678e+00	2.2645e+00	5e+00	2e+00	2e-16	2e-01
2:	4.6588e+00	4.6571e+00	1e+00	4e-01	1e-15	4e-02
3:	5.0502e+00	5.0499e+00	2e-01	6e-02	2e-15	6e-03
4:	5.1174e+00	5.1173e+00	3e-02	1e-02	2e-15	9e-04
5:	5.1253e+00	5.1252e+00	1e-03	3e-04	6e-15	3e-05
6:	5.1256e+00	5.1256e+00	1e-05	3e-06	2e-15	3e-07
7:	5.1256e+00	5.1256e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.4142e+00	3.4110e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2094e+00	6.2082e+00	1e+00	3e-01	3e-15	3e-02
3:	6.4274e+00	6.4271e+00	2e-01	6e-02	4e-15	5e-03

4:	6.4930e+00	6.4929e+00	4e-02	1e-02	1e-15	1e-03
5:	6.5047e+00	6.5047e+00	7e-04	2e-04	1e-15	2e-05
6:	6.5049e+00	6.5049e+00	7e-06	2e-06	1e-15	2e-07
7:	6.5049e+00	6.5049e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0698e+00	4.0676e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9162e+00	6.9152e+00	2e+00	5e-01	2e-15	4e-02
3:	7.1812e+00	7.1805e+00	5e-01	2e-01	5e-15	1e-02
4:	7.3264e+00	7.3262e+00	2e-01	6e-02	3e-15	5e-03
5:	7.3935e+00	7.3934e+00	3e-02	1e-02	3e-15	9e-04
6:	7.4014e+00	7.4013e+00	6e-03	2e-03	2e-14	2e-04
7:	7.4032e+00	7.4032e+00	1e-03	4e-04	4e-15	3e-05
8:	7.4036e+00	7.4036e+00	2e-05	5e-06	6e-15	4e-07
9:	7.4036e+00	7.4036e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7057e+00	4.7063e+00	6e+00	2e+00	3e-16	2e-01
2:	7.3532e+00	7.3534e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9458e+00	7.9458e+00	1e-01	5e-02	2e-15	4e-03
4:	7.9944e+00	7.9944e+00	2e-02	8e-03	9e-15	6e-04
5:	7.9986e+00	7.9986e+00	4e-03	1e-03	2e-13	1e-04
6:	8.0000e+00	8.0000e+00	5e-05	1e-05	8e-15	1e-06
7:	8.0000e+00	8.0000e+00	5e-07	1e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6190e+00	3.6193e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6048e+00	6.6049e+00	1e+00	4e-01	3e-15	4e-02
3:	6.9528e+00	6.9528e+00	4e-01	1e-01	3e-15	1e-02
4:	7.0244e+00	7.0244e+00	1e-01	4e-02	2e-15	3e-03
5:	7.0688e+00	7.0688e+00	1e-02	4e-03	9e-16	3e-04
6:	7.0727e+00	7.0727e+00	1e-04	4e-05	1e-15	3e-06
7:	7.0727e+00	7.0727e+00	1e-06	4e-07	1e-15	3e-08
8:	7.0727e+00	7.0727e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1945e+00	4.1967e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1986e+00	7.1994e+00	1e+00	5e-01	8e-16	3e-02
3:	7.7269e+00	7.7271e+00	3e-01	9e-02	1e-15	7e-03
4:	7.7723e+00	7.7724e+00	1e-01	4e-02	1e-14	3e-03
5:	7.8119e+00	7.8119e+00	2e-02	7e-03	9e-15	5e-04
6:	7.8175e+00	7.8175e+00	3e-03	1e-03	3e-14	8e-05
7:	7.8187e+00	7.8187e+00	4e-05	1e-05	2e-14	1e-06
8:	7.8187e+00	7.8187e+00	4e-07	1e-07	2e-14	1e-08

9: 7.8187e+00 7.8187e+00 4e-09 1e-09 2e-14 1e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3973e+00	4.3970e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2457e+00	7.2456e+00	1e+00	3e-01	3e-15	3e-02
3:	7.5201e+00	7.5200e+00	3e-01	9e-02	3e-15	7e-03
4:	7.6278e+00	7.6278e+00	6e-02	2e-02	3e-15	2e-03
5:	7.6507e+00	7.6507e+00	3e-03	8e-04	3e-15	6e-05
6:	7.6517e+00	7.6517e+00	3e-05	8e-06	6e-16	6e-07
7:	7.6517e+00	7.6517e+00	3e-07	8e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5089e+00	4.5118e+00	6e+00	2e+00	3e-16	1e-01
2:	6.2758e+00	6.2771e+00	2e+00	6e-01	1e-15	4e-02
3:	6.8201e+00	6.8203e+00	2e-01	7e-02	8e-16	5e-03
4:	6.8996e+00	6.8996e+00	6e-02	2e-02	1e-15	2e-03
5:	6.9016e+00	6.9017e+00	5e-02	2e-02	4e-15	1e-03
6:	6.9154e+00	6.9154e+00	4e-03	1e-03	2e-15	1e-04
7:	6.9167e+00	6.9167e+00	4e-05	1e-05	1e-15	1e-06
8:	6.9167e+00	6.9167e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.0052e+00	3.0159e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9837e+00	4.9874e+00	2e+00	6e-01	1e-15	4e-02
3:	5.4991e+00	5.5000e+00	4e-01	1e-01	2e-15	9e-03
4:	5.5996e+00	5.5998e+00	1e-01	3e-02	2e-15	2e-03
5:	5.6315e+00	5.6315e+00	2e-02	7e-03	2e-15	5e-04
6:	5.6355e+00	5.6355e+00	7e-03	2e-03	2e-14	2e-04
7:	5.6377e+00	5.6377e+00	1e-04	4e-05	5e-15	3e-06
8:	5.6377e+00	5.6377e+00	1e-06	4e-07	8e-15	3e-08
9:	5.6377e+00	5.6377e+00	1e-08	4e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3260e+00	3.3252e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8439e+00	5.8436e+00	1e+00	4e-01	2e-15	3e-02
3:	6.2055e+00	6.2054e+00	5e-01	2e-01	2e-15	1e-02
4:	6.3134e+00	6.3134e+00	1e-01	4e-02	3e-15	3e-03
5:	6.3418e+00	6.3418e+00	2e-02	7e-03	3e-15	5e-04
6:	6.3487e+00	6.3487e+00	3e-03	9e-04	2e-15	7e-05
7:	6.3495e+00	6.3495e+00	3e-05	1e-05	2e-15	8e-07
8:	6.3495e+00	6.3495e+00	3e-07	1e-07	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.5503e+00	4.5510e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9443e+00	6.9445e+00	1e+00	3e-01	1e-15	2e-02
3:	7.2704e+00	7.2705e+00	3e-01	1e-01	2e-15	8e-03
4:	7.3515e+00	7.3516e+00	1e-01	4e-02	3e-15	3e-03
5:	7.3808e+00	7.3808e+00	2e-02	6e-03	5e-15	5e-04
6:	7.3862e+00	7.3862e+00	6e-03	2e-03	2e-15	2e-04
7:	7.3880e+00	7.3880e+00	6e-05	2e-05	3e-15	2e-06
8:	7.3880e+00	7.3880e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9462e+00	4.9470e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3986e+00	7.3988e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9600e+00	7.9600e+00	1e-01	4e-02	1e-15	3e-03
4:	7.9928e+00	7.9928e+00	3e-02	9e-03	1e-14	7e-04
5:	7.9999e+00	7.9999e+00	4e-04	1e-04	9e-15	9e-06
6:	8.0000e+00	8.0000e+00	4e-06	1e-06	1e-14	9e-08
7:	8.0000e+00	8.0000e+00	4e-08	1e-08	1e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0430e+00	2.0425e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7323e+00	3.7321e+00	1e+00	5e-01	1e-15	4e-02
3:	4.1309e+00	4.1308e+00	4e-01	1e-01	7e-16	9e-03
4:	4.2175e+00	4.2175e+00	1e-01	4e-02	9e-16	4e-03
5:	4.2522e+00	4.2522e+00	1e-02	4e-03	1e-15	3e-04
6:	4.2555e+00	4.2555e+00	6e-04	2e-04	7e-16	2e-05
7:	4.2557e+00	4.2557e+00	6e-06	2e-06	7e-16	2e-07
8:	4.2557e+00	4.2557e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9994e+00	3.0017e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2462e+00	5.2468e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6658e+00	5.6660e+00	4e-01	1e-01	1e-15	9e-03
4:	5.7428e+00	5.7428e+00	7e-02	2e-02	2e-15	2e-03
5:	5.7685e+00	5.7686e+00	2e-02	5e-03	6e-16	4e-04
6:	5.7711e+00	5.7711e+00	7e-03	2e-03	3e-15	2e-04
7:	5.7731e+00	5.7731e+00	1e-04	3e-05	2e-15	3e-06
8:	5.7732e+00	5.7732e+00	1e-06	3e-07	1e-15	3e-08
9:	5.7732e+00	5.7732e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6544e+00	1.6510e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6700e+00	3.6683e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9653e+00	3.9649e+00	2e-01	7e-02	8e-16	6e-03
4:	4.0155e+00	4.0154e+00	1e-02	4e-03	2e-15	4e-04

5:	4.0198e+00	4.0198e+00	7e-04	2e-04	5e-16	2e-05
6:	4.0200e+00	4.0200e+00	7e-06	2e-06	1e-15	2e-07
7:	4.0200e+00	4.0200e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1785e+00	3.1790e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7071e+00	5.7072e+00	1e+00	4e-01	1e-15	3e-02
3:	6.2891e+00	6.2892e+00	3e-01	1e-01	3e-15	8e-03
4:	6.3436e+00	6.3436e+00	1e-01	4e-02	4e-15	3e-03
5:	6.3574e+00	6.3574e+00	3e-02	1e-02	9e-15	9e-04
6:	6.3677e+00	6.3677e+00	3e-03	1e-03	2e-15	8e-05
7:	6.3683e+00	6.3683e+00	5e-04	2e-04	8e-14	1e-05
8:	6.3685e+00	6.3685e+00	6e-06	2e-06	4e-15	1e-07
9:	6.3685e+00	6.3685e+00	6e-08	2e-08	8e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7740e+00	3.7749e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9495e+00	5.9498e+00	1e+00	5e-01	1e-15	3e-02
3:	6.3213e+00	6.3213e+00	3e-01	1e-01	2e-15	8e-03
4:	6.4390e+00	6.4391e+00	1e-01	3e-02	1e-15	3e-03
5:	6.4752e+00	6.4752e+00	1e-02	4e-03	4e-15	3e-04
6:	6.4804e+00	6.4804e+00	2e-04	5e-05	7e-16	4e-06
7:	6.4805e+00	6.4805e+00	2e-06	5e-07	5e-16	4e-08
8:	6.4805e+00	6.4805e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5574e+00	4.5586e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9600e+00	6.9604e+00	2e+00	6e-01	2e-15	5e-02
3:	7.5709e+00	7.5710e+00	4e-01	1e-01	4e-15	9e-03
4:	7.6653e+00	7.6654e+00	1e-01	3e-02	6e-15	3e-03
5:	7.6927e+00	7.6927e+00	2e-02	5e-03	2e-15	4e-04
6:	7.6982e+00	7.6982e+00	2e-03	7e-04	8e-16	5e-05
7:	7.6989e+00	7.6989e+00	3e-05	9e-06	1e-14	7e-07
8:	7.6989e+00	7.6989e+00	3e-07	9e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1033e+00	2.1017e+00	6e+00	2e+00	2e-16	1e-01
2:	4.0322e+00	4.0316e+00	2e+00	5e-01	1e-15	4e-02
3:	4.4644e+00	4.4642e+00	4e-01	1e-01	1e-15	1e-02
4:	4.5609e+00	4.5608e+00	1e-01	4e-02	3e-15	3e-03
5:	4.5834e+00	4.5833e+00	3e-02	1e-02	3e-15	8e-04
6:	4.5928e+00	4.5928e+00	8e-04	3e-04	1e-15	2e-05
7:	4.5931e+00	4.5931e+00	8e-06	3e-06	1e-15	2e-07
8:	4.5931e+00	4.5931e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2208e+00	3.2201e+00	6e+00	2e+00	2e-16	1e-01
2:	5.4128e+00	5.4125e+00	2e+00	5e-01	2e-15	4e-02
3:	5.8113e+00	5.8112e+00	4e-01	1e-01	1e-15	1e-02
4:	5.9384e+00	5.9383e+00	9e-02	3e-02	2e-15	2e-03
5:	5.9717e+00	5.9717e+00	7e-03	2e-03	2e-15	2e-04
6:	5.9740e+00	5.9740e+00	8e-05	2e-05	8e-15	2e-06
7:	5.9741e+00	5.9741e+00	8e-07	2e-07	5e-15	2e-08
8:	5.9741e+00	5.9741e+00	8e-09	2e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4486e+00	3.4466e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6866e+00	5.6859e+00	1e+00	4e-01	2e-15	3e-02
3:	6.1558e+00	6.1557e+00	2e-01	5e-02	1e-15	4e-03
4:	6.1985e+00	6.1985e+00	3e-02	9e-03	8e-15	7e-04
5:	6.2047e+00	6.2047e+00	4e-03	1e-03	1e-14	1e-04
6:	6.2062e+00	6.2062e+00	5e-05	2e-05	9e-16	1e-06
7:	6.2062e+00	6.2062e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0878e+00	3.0865e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4402e+00	5.4398e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9147e+00	5.9146e+00	2e-01	7e-02	2e-15	5e-03
4:	5.9727e+00	5.9727e+00	2e-02	6e-03	3e-15	5e-04
5:	5.9796e+00	5.9796e+00	2e-04	6e-05	1e-15	5e-06
6:	5.9796e+00	5.9796e+00	2e-06	6e-07	7e-16	5e-08
7:	5.9796e+00	5.9796e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9774e+00	2.9797e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1857e+00	5.1864e+00	2e+00	5e-01	1e-15	4e-02
3:	5.6060e+00	5.6064e+00	5e-01	1e-01	2e-15	1e-02
4:	5.7083e+00	5.7084e+00	7e-02	2e-02	9e-16	2e-03
5:	5.7196e+00	5.7196e+00	1e-02	4e-03	4e-15	3e-04
6:	5.7230e+00	5.7230e+00	2e-03	6e-04	8e-16	5e-05
7:	5.7235e+00	5.7235e+00	2e-05	6e-06	1e-15	5e-07
8:	5.7235e+00	5.7235e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8962e+00	3.8986e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4852e+00	6.4859e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9002e+00	6.9003e+00	2e-01	7e-02	1e-15	6e-03



4:	6.9658e+00	6.9658e+00	8e-02	3e-02	8e-16	2e-03
5:	6.9889e+00	6.9890e+00	9e-03	3e-03	2e-15	2e-04
6:	6.9917e+00	6.9917e+00	3e-04	1e-04	2e-15	8e-06
7:	6.9918e+00	6.9918e+00	3e-06	1e-06	6e-15	8e-08
8:	6.9918e+00	6.9918e+00	3e-08	1e-08	4e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2105e+00	2.2090e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5999e+00	4.5994e+00	1e+00	4e-01	1e-15	4e-02
3:	4.9998e+00	4.9997e+00	2e-01	7e-02	1e-15	6e-03
4:	5.0517e+00	5.0517e+00	3e-02	1e-02	1e-15	9e-04
5:	5.0604e+00	5.0604e+00	4e-03	1e-03	2e-15	1e-04
6:	5.0613e+00	5.0613e+00	4e-05	1e-05	3e-15	1e-06
7:	5.0613e+00	5.0613e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1406e+00	5.1435e+00	6e+00	2e+00	2e-16	2e-01
2:	7.4865e+00	7.4875e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9617e+00	7.9619e+00	1e-01	5e-02	2e-15	4e-03
4:	7.9996e+00	7.9996e+00	1e-03	5e-04	4e-16	4e-05
5:	8.0000e+00	8.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	8.0000e+00	8.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1410e+00	4.1462e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9443e+00	5.9464e+00	2e+00	7e-01	1e-15	5e-02
3:	6.9986e+00	6.9991e+00	5e-01	1e-01	1e-15	1e-02
4:	7.1064e+00	7.1068e+00	2e-01	7e-02	5e-15	5e-03
5:	7.1861e+00	7.1862e+00	3e-02	9e-03	2e-15	7e-04
6:	7.1924e+00	7.1924e+00	6e-03	2e-03	3e-14	1e-04
7:	7.1943e+00	7.1943e+00	4e-04	1e-04	2e-14	9e-06
8:	7.1944e+00	7.1944e+00	4e-06	1e-06	5e-14	9e-08
9:	7.1944e+00	7.1944e+00	4e-08	1e-08	4e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8842e+00	3.8836e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4927e+00	6.4925e+00	1e+00	4e-01	2e-15	3e-02
3:	6.7107e+00	6.7105e+00	4e-01	1e-01	5e-15	1e-02
4:	6.8681e+00	6.8680e+00	8e-02	2e-02	1e-15	2e-03
5:	6.8944e+00	6.8944e+00	9e-03	3e-03	2e-15	2e-04
6:	6.8979e+00	6.8979e+00	2e-04	5e-05	1e-15	4e-06
7:	6.8980e+00	6.8980e+00	2e-06	5e-07	3e-15	4e-08
8:	6.8980e+00	6.8980e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3171e+00	2.3164e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4226e+00	4.4223e+00	1e+00	4e-01	1e-15	3e-02
3:	4.8859e+00	4.8858e+00	3e-01	9e-02	1e-15	7e-03
4:	4.9685e+00	4.9684e+00	9e-02	3e-02	2e-15	2e-03
5:	4.9833e+00	4.9833e+00	2e-02	7e-03	9e-15	6e-04
6:	4.9906e+00	4.9906e+00	3e-04	8e-05	9e-16	7e-06
7:	4.9907e+00	4.9907e+00	3e-06	8e-07	1e-15	7e-08
8:	4.9907e+00	4.9907e+00	3e-08	8e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4210e+00	3.4186e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5186e+00	5.5177e+00	1e+00	4e-01	3e-15	4e-02
3:	5.9348e+00	5.9345e+00	3e-01	1e-01	2e-15	9e-03
4:	6.0312e+00	6.0311e+00	9e-02	3e-02	2e-15	2e-03
5:	6.0529e+00	6.0529e+00	1e-02	5e-03	1e-15	4e-04
6:	6.0577e+00	6.0577e+00	2e-03	7e-04	1e-15	6e-05
7:	6.0582e+00	6.0582e+00	5e-04	1e-04	4e-14	1e-05
8:	6.0583e+00	6.0583e+00	5e-06	1e-06	1e-15	1e-07
9:	6.0583e+00	6.0583e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9040e+00	1.9006e+00	5e+00	2e+00	2e-16	2e-01
2:	4.1756e+00	4.1739e+00	1e+00	4e-01	1e-15	4e-02
3:	4.4699e+00	4.4692e+00	4e-01	1e-01	2e-15	1e-02
4:	4.5179e+00	4.5175e+00	1e-01	4e-02	4e-15	3e-03
5:	4.5534e+00	4.5534e+00	2e-02	5e-03	1e-15	5e-04
6:	4.5587e+00	4.5587e+00	2e-04	6e-05	3e-15	5e-06
7:	4.5588e+00	4.5588e+00	2e-06	6e-07	2e-15	5e-08
8:	4.5588e+00	4.5588e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7460e+00	3.7439e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0936e+00	6.0929e+00	1e+00	4e-01	2e-15	3e-02
3:	6.5167e+00	6.5166e+00	1e-01	4e-02	1e-15	4e-03
4:	6.5666e+00	6.5666e+00	5e-03	2e-03	2e-15	1e-04
5:	6.5683e+00	6.5683e+00	5e-05	2e-05	5e-15	1e-06
6:	6.5683e+00	6.5683e+00	5e-07	2e-07	2e-15	1e-08
7:	6.5683e+00	6.5683e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9365e+00	1.9339e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7152e+00	3.7140e+00	1e+00	4e-01	2e-15	3e-02

3:	4.0078e+00	4.0076e+00	2e-01	6e-02	7e-16	6e-03
4:	4.0878e+00	4.0877e+00	3e-02	1e-02	8e-16	9e-04
5:	4.0976e+00	4.0976e+00	4e-03	1e-03	2e-15	1e-04
6:	4.0980e+00	4.0980e+00	2e-03	8e-04	6e-14	6e-05
7:	4.0985e+00	4.0985e+00	1e-03	4e-04	4e-14	3e-05
8:	4.0988e+00	4.0988e+00	2e-05	8e-06	5e-14	6e-07
9:	4.0988e+00	4.0988e+00	2e-07	8e-08	2e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.2645e+00	3.2615e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5861e+00	5.5853e+00	9e-01	3e-01	2e-15	3e-02
3:	5.9517e+00	5.9515e+00	1e-01	4e-02	1e-15	4e-03
4:	6.0008e+00	6.0008e+00	3e-03	9e-04	3e-15	8e-05
5:	6.0018e+00	6.0018e+00	3e-05	9e-06	2e-15	8e-07
6:	6.0018e+00	6.0018e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0334e+00	5.0355e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5804e+00	7.5812e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9684e+00	7.9685e+00	1e-01	4e-02	2e-15	3e-03
4:	7.9997e+00	7.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5339e+00	2.5316e+00	6e+00	2e+00	3e-16	1e-01
2:	4.0382e+00	4.0374e+00	1e+00	4e-01	1e-15	4e-02
3:	4.4602e+00	4.4598e+00	4e-01	1e-01	1e-15	1e-02
4:	4.5523e+00	4.5522e+00	8e-02	2e-02	1e-15	2e-03
5:	4.5766e+00	4.5766e+00	2e-02	6e-03	1e-15	5e-04
6:	4.5827e+00	4.5827e+00	4e-04	1e-04	2e-15	1e-05
7:	4.5828e+00	4.5828e+00	4e-06	1e-06	1e-15	1e-07
8:	4.5828e+00	4.5828e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5118e+00	3.5121e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1033e+00	6.1035e+00	2e+00	7e-01	1e-15	5e-02
3:	6.5992e+00	6.5993e+00	5e-01	2e-01	2e-15	1e-02
4:	6.6982e+00	6.6982e+00	2e-01	6e-02	3e-15	5e-03
5:	6.7598e+00	6.7598e+00	6e-02	2e-02	2e-15	2e-03
6:	6.7745e+00	6.7745e+00	1e-02	4e-03	5e-15	3e-04
7:	6.7784e+00	6.7784e+00	1e-04	4e-05	1e-15	4e-06
8:	6.7785e+00	6.7785e+00	1e-06	4e-07	2e-15	4e-08
9:	6.7785e+00	6.7785e+00	1e-08	4e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2057e+00	3.2034e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0918e+00	5.0905e+00	2e+00	5e-01	2e-15	4e-02
3:	5.8365e+00	5.8361e+00	4e-01	1e-01	1e-15	1e-02
4:	5.9560e+00	5.9558e+00	2e-01	5e-02	2e-15	4e-03
5:	6.0224e+00	6.0224e+00	3e-02	1e-02	2e-15	8e-04
6:	6.0289e+00	6.0289e+00	1e-02	4e-03	4e-14	3e-04
7:	6.0334e+00	6.0334e+00	2e-04	6e-05	3e-15	4e-06
8:	6.0334e+00	6.0334e+00	2e-06	6e-07	7e-15	4e-08
9:	6.0334e+00	6.0334e+00	2e-08	6e-09	5e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0032e+00	5.0044e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9533e+00	6.9538e+00	2e+00	6e-01	3e-15	4e-02
3:	7.8656e+00	7.8657e+00	3e-01	1e-01	1e-15	8e-03
4:	7.9765e+00	7.9765e+00	8e-02	3e-02	4e-15	2e-03
5:	7.9975e+00	7.9975e+00	1e-02	3e-03	3e-14	2e-04
6:	7.9999e+00	7.9999e+00	2e-04	7e-05	5e-14	6e-06
7:	8.0000e+00	8.0000e+00	2e-06	7e-07	2e-14	6e-08
8:	8.0000e+00	8.0000e+00	2e-08	7e-09	3e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6201e+00	3.6201e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0371e+00	6.0371e+00	2e+00	6e-01	1e-15	5e-02
3:	6.5149e+00	6.5149e+00	5e-01	2e-01	2e-15	1e-02
4:	6.6393e+00	6.6393e+00	1e-01	4e-02	2e-15	3e-03
5:	6.6921e+00	6.6921e+00	6e-03	2e-03	1e-15	1e-04
6:	6.6938e+00	6.6938e+00	6e-05	2e-05	6e-16	1e-06
7:	6.6938e+00	6.6938e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4848e+00	3.4892e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8192e+00	5.8204e+00	1e+00	5e-01	7e-16	3e-02
3:	6.1811e+00	6.1817e+00	6e-01	2e-01	1e-15	1e-02
4:	6.3258e+00	6.3260e+00	1e-01	3e-02	2e-15	2e-03
5:	6.3620e+00	6.3621e+00	2e-02	7e-03	7e-16	5e-04
6:	6.3684e+00	6.3684e+00	1e-03	3e-04	5e-15	3e-05
7:	6.3687e+00	6.3687e+00	1e-05	3e-06	1e-15	3e-07
8:	6.3687e+00	6.3687e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4422e+00	4.4433e+00	7e+00	2e+00	2e-16	2e-01

2:	6.8994e+00	6.8998e+00	2e+00	6e-01	2e-15	4e-02
3:	7.2968e+00	7.2970e+00	4e-01	1e-01	5e-15	1e-02
4:	7.4381e+00	7.4382e+00	8e-02	2e-02	1e-15	2e-03
5:	7.4639e+00	7.4639e+00	2e-02	8e-03	9e-16	6e-04
6:	7.4715e+00	7.4715e+00	2e-03	7e-04	4e-15	6e-05
7:	7.4723e+00	7.4723e+00	2e-05	8e-06	1e-15	6e-07
8:	7.4723e+00	7.4723e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9839e+00	2.9862e+00	6e+00	2e+00	2e-16	1e-01
2:	5.2817e+00	5.2827e+00	2e+00	6e-01	2e-15	5e-02
3:	5.8064e+00	5.8066e+00	3e-01	1e-01	1e-15	7e-03
4:	5.8875e+00	5.8875e+00	4e-02	1e-02	1e-15	1e-03
5:	5.9019e+00	5.9019e+00	4e-03	1e-03	1e-15	1e-04
6:	5.9038e+00	5.9038e+00	4e-04	1e-04	2e-15	1e-05
7:	5.9039e+00	5.9039e+00	4e-06	1e-06	4e-15	1e-07
8:	5.9039e+00	5.9039e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6109e+00	4.6145e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3463e+00	7.3474e+00	1e+00	5e-01	2e-15	4e-02
3:	7.7372e+00	7.7375e+00	4e-01	1e-01	1e-15	9e-03
4:	7.7756e+00	7.7759e+00	2e-01	6e-02	3e-15	4e-03
5:	7.8275e+00	7.8276e+00	2e-02	6e-03	1e-15	5e-04
6:	7.8336e+00	7.8336e+00	3e-04	9e-05	1e-15	7e-06
7:	7.8337e+00	7.8337e+00	3e-06	9e-07	1e-15	7e-08
8:	7.8337e+00	7.8337e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8340e+00	2.8324e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9356e+00	4.9348e+00	1e+00	5e-01	2e-15	4e-02
3:	5.3958e+00	5.3956e+00	4e-01	1e-01	1e-15	1e-02
4:	5.5028e+00	5.5027e+00	1e-01	4e-02	4e-15	3e-03
5:	5.5188e+00	5.5187e+00	4e-02	1e-02	2e-14	1e-03
6:	5.5256e+00	5.5256e+00	2e-02	7e-03	1e-14	6e-04
7:	5.5314e+00	5.5314e+00	4e-03	1e-03	4e-15	1e-04
8:	5.5326e+00	5.5326e+00	1e-04	3e-05	3e-15	3e-06
9:	5.5327e+00	5.5327e+00	1e-06	3e-07	3e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2315e+00	3.2319e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6728e+00	5.6729e+00	1e+00	4e-01	2e-15	3e-02
3:	6.0606e+00	6.0607e+00	2e-01	8e-02	9e-16	6e-03
4:	6.1415e+00	6.1415e+00	2e-02	7e-03	6e-15	6e-04

5:	6.1499e+00	6.1499e+00	3e-04	8e-05	2e-15	6e-06
6:	6.1500e+00	6.1500e+00	3e-06	8e-07	2e-15	6e-08
7:	6.1500e+00	6.1500e+00	3e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6423e+00	3.6441e+00	7e+00	2e+00	2e-16	2e-01
2:	6.0021e+00	6.0027e+00	1e+00	5e-01	8e-16	4e-02
3:	6.4460e+00	6.4461e+00	3e-01	8e-02	9e-16	6e-03
4:	6.5405e+00	6.5406e+00	6e-02	2e-02	1e-15	2e-03
5:	6.5515e+00	6.5516e+00	2e-02	6e-03	1e-14	5e-04
6:	6.5575e+00	6.5575e+00	1e-03	4e-04	1e-14	3e-05
7:	6.5578e+00	6.5578e+00	1e-05	4e-06	2e-14	3e-07
8:	6.5579e+00	6.5579e+00	1e-07	4e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4073e+00	2.4039e+00	5e+00	2e+00	2e-16	2e-01
2:	4.8399e+00	4.8384e+00	8e-01	3e-01	1e-15	2e-02
3:	5.1261e+00	5.1258e+00	1e-01	3e-02	2e-15	3e-03
4:	5.1551e+00	5.1551e+00	1e-02	4e-03	1e-14	3e-04
5:	5.1574e+00	5.1574e+00	1e-03	4e-04	3e-14	4e-05
6:	5.1578e+00	5.1578e+00	2e-04	7e-05	5e-15	5e-06
7:	5.1579e+00	5.1579e+00	2e-06	7e-07	1e-14	6e-08
8:	5.1579e+00	5.1579e+00	2e-08	7e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6377e+00	2.6410e+00	7e+00	2e+00	3e-16	2e-01
2:	4.5484e+00	4.5496e+00	2e+00	6e-01	2e-15	5e-02
3:	5.1946e+00	5.1950e+00	5e-01	2e-01	4e-15	1e-02
4:	5.3099e+00	5.3100e+00	8e-02	2e-02	1e-15	2e-03
5:	5.3403e+00	5.3403e+00	4e-03	1e-03	4e-16	1e-04
6:	5.3416e+00	5.3416e+00	1e-04	3e-05	2e-14	3e-06
7:	5.3416e+00	5.3416e+00	1e-06	3e-07	7e-15	3e-08
8:	5.3416e+00	5.3416e+00	1e-08	3e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7351e+00	3.7362e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9852e+00	5.9855e+00	1e+00	4e-01	2e-15	3e-02
3:	6.3128e+00	6.3128e+00	3e-01	8e-02	1e-15	6e-03
4:	6.4112e+00	6.4113e+00	6e-02	2e-02	1e-15	2e-03
5:	6.4328e+00	6.4328e+00	1e-02	4e-03	2e-15	3e-04
6:	6.4370e+00	6.4370e+00	7e-04	2e-04	2e-14	2e-05
7:	6.4372e+00	6.4372e+00	7e-06	2e-06	8e-16	2e-07
8:	6.4372e+00	6.4372e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0877e+00	4.0922e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3172e+00	6.3187e+00	1e+00	5e-01	1e-15	3e-02
3:	6.7348e+00	6.7354e+00	5e-01	2e-01	1e-15	1e-02
4:	6.8484e+00	6.8487e+00	1e-01	4e-02	3e-15	3e-03
5:	6.8877e+00	6.8878e+00	3e-02	1e-02	2e-15	7e-04
6:	6.8964e+00	6.8964e+00	2e-03	7e-04	5e-15	6e-05
7:	6.8970e+00	6.8970e+00	2e-05	8e-06	4e-15	6e-07
8:	6.8970e+00	6.8970e+00	2e-07	8e-08	4e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7613e+00	4.7722e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6560e+00	7.6598e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9933e+00	7.9943e+00	4e-01	1e-01	2e-15	9e-03
4:	8.0997e+00	8.1000e+00	9e-02	3e-02	1e-15	2e-03
5:	8.1089e+00	8.1091e+00	4e-02	1e-02	5e-15	1e-03
6:	8.1210e+00	8.1210e+00	8e-04	3e-04	2e-15	2e-05
7:	8.1212e+00	8.1212e+00	8e-06	3e-06	3e-15	2e-07
8:	8.1212e+00	8.1212e+00	8e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2096e+00	3.2085e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5847e+00	5.5843e+00	2e+00	5e-01	1e-15	4e-02
3:	6.2282e+00	6.2281e+00	4e-01	1e-01	1e-15	1e-02
4:	6.3695e+00	6.3695e+00	9e-02	3e-02	3e-15	2e-03
5:	6.4080e+00	6.4080e+00	4e-03	1e-03	7e-15	1e-04
6:	6.4094e+00	6.4094e+00	9e-05	3e-05	8e-14	2e-06
7:	6.4094e+00	6.4094e+00	9e-07	3e-07	4e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5269e+00	2.5241e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7197e+00	4.7184e+00	2e+00	5e-01	2e-15	4e-02
3:	5.1508e+00	5.1500e+00	6e-01	2e-01	7e-15	2e-02
4:	5.2336e+00	5.2331e+00	2e-01	5e-02	4e-15	4e-03
5:	5.2827e+00	5.2826e+00	2e-02	6e-03	2e-15	5e-04
6:	5.2869e+00	5.2869e+00	5e-03	2e-03	7e-15	1e-04
7:	5.2888e+00	5.2888e+00	1e-04	3e-05	7e-16	3e-06
8:	5.2888e+00	5.2888e+00	1e-06	3e-07	4e-15	3e-08
9:	5.2888e+00	5.2888e+00	1e-08	3e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3040e+00	3.3013e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5480e+00	5.5472e+00	1e+00	3e-01	2e-15	3e-02

3:	5.7971e+00	5.7966e+00	4e-01	1e-01	2e-15	1e-02
4:	5.9261e+00	5.9260e+00	6e-02	2e-02	1e-15	2e-03
5:	5.9406e+00	5.9406e+00	3e-03	1e-03	6e-15	8e-05
6:	5.9415e+00	5.9415e+00	3e-05	1e-05	7e-16	8e-07
7:	5.9415e+00	5.9415e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1094e+00	3.1134e+00	7e+00	2e+00	2e-16	2e-01
2:	5.3584e+00	5.3598e+00	1e+00	5e-01	1e-15	4e-02
3:	5.6929e+00	5.6937e+00	6e-01	2e-01	1e-15	1e-02
4:	5.9185e+00	5.9186e+00	1e-01	3e-02	7e-16	3e-03
5:	5.9490e+00	5.9491e+00	7e-03	2e-03	4e-15	2e-04
6:	5.9516e+00	5.9516e+00	7e-05	2e-05	1e-15	2e-06
7:	5.9516e+00	5.9516e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7066e+00	3.7066e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3591e+00	6.3591e+00	2e+00	5e-01	2e-15	4e-02
3:	6.8481e+00	6.8481e+00	3e-01	1e-01	8e-15	8e-03
4:	6.9362e+00	6.9362e+00	7e-02	2e-02	3e-15	2e-03
5:	6.9535e+00	6.9535e+00	1e-02	5e-03	7e-15	4e-04
6:	6.9588e+00	6.9588e+00	2e-04	5e-05	1e-15	4e-06
7:	6.9589e+00	6.9589e+00	2e-06	5e-07	1e-15	4e-08
8:	6.9589e+00	6.9589e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6415e+00	4.6424e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0898e+00	8.0901e+00	1e+00	4e-01	1e-15	3e-02
3:	8.4296e+00	8.4298e+00	3e-01	1e-01	2e-15	8e-03
4:	8.5433e+00	8.5433e+00	3e-02	9e-03	2e-15	7e-04
5:	8.5542e+00	8.5542e+00	4e-04	1e-04	6e-16	1e-05
6:	8.5543e+00	8.5543e+00	4e-06	1e-06	8e-16	1e-07
7:	8.5543e+00	8.5543e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5004e+00	3.4998e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3857e+00	5.3855e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9623e+00	5.9623e+00	3e-01	1e-01	3e-15	8e-03
4:	6.0833e+00	6.0833e+00	3e-02	9e-03	2e-15	7e-04
5:	6.0912e+00	6.0912e+00	7e-03	2e-03	2e-14	2e-04
6:	6.0938e+00	6.0938e+00	7e-05	2e-05	1e-15	2e-06
7:	6.0939e+00	6.0939e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6993e+00	3.7010e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5925e+00	6.5931e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9123e+00	6.9124e+00	2e-01	7e-02	1e-15	5e-03
4:	6.9623e+00	6.9624e+00	2e-02	6e-03	2e-15	5e-04
5:	6.9672e+00	6.9672e+00	5e-03	2e-03	1e-14	1e-04
6:	6.9683e+00	6.9683e+00	4e-04	1e-04	5e-14	9e-06
7:	6.9684e+00	6.9684e+00	4e-06	1e-06	3e-15	9e-08
8:	6.9684e+00	6.9684e+00	4e-08	1e-08	5e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.4140e+00	3.4110e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0451e+00	6.0437e+00	2e+00	5e-01	4e-15	4e-02
3:	6.5639e+00	6.5632e+00	4e-01	1e-01	5e-15	1e-02
4:	6.6597e+00	6.6595e+00	1e-01	3e-02	2e-15	3e-03
5:	6.6927e+00	6.6927e+00	3e-02	8e-03	4e-15	7e-04
6:	6.6988e+00	6.6988e+00	4e-03	1e-03	2e-14	9e-05
7:	6.6999e+00	6.6999e+00	4e-04	1e-04	3e-15	1e-05
8:	6.7001e+00	6.7001e+00	7e-06	2e-06	1e-15	2e-07
9:	6.7001e+00	6.7001e+00	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0754e+00	4.0798e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1662e+00	7.1682e+00	2e+00	6e-01	2e-15	5e-02
3:	7.5201e+00	7.5212e+00	8e-01	3e-01	2e-15	2e-02
4:	7.7371e+00	7.7374e+00	2e-01	6e-02	1e-15	5e-03
5:	7.7924e+00	7.7925e+00	5e-02	2e-02	4e-15	1e-03
6:	7.8019e+00	7.8019e+00	1e-02	4e-03	3e-14	3e-04
7:	7.8054e+00	7.8054e+00	2e-04	6e-05	4e-15	5e-06
8:	7.8055e+00	7.8055e+00	2e-06	6e-07	3e-15	5e-08
9:	7.8055e+00	7.8055e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1593e+00	4.1582e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5959e+00	6.5955e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9170e+00	6.9169e+00	3e-01	1e-01	1e-15	9e-03
4:	7.0268e+00	7.0267e+00	1e-01	3e-02	3e-15	3e-03
5:	7.0451e+00	7.0450e+00	4e-02	1e-02	1e-14	1e-03
6:	7.0594e+00	7.0594e+00	5e-03	2e-03	3e-15	1e-04
7:	7.0599e+00	7.0599e+00	3e-03	8e-04	5e-14	7e-05
8:	7.0607e+00	7.0607e+00	3e-05	1e-05	2e-14	9e-07
9:	7.0607e+00	7.0607e+00	3e-07	1e-07	2e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	5.1804e+00	5.1793e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9775e+00	7.9772e+00	1e+00	4e-01	3e-15	4e-02
3:	8.2727e+00	8.2725e+00	4e-01	1e-01	5e-15	1e-02
4:	8.4115e+00	8.4115e+00	6e-02	2e-02	2e-15	2e-03
5:	8.4403e+00	8.4403e+00	1e-02	4e-03	9e-16	3e-04
6:	8.4453e+00	8.4453e+00	4e-04	1e-04	8e-15	1e-05
7:	8.4454e+00	8.4454e+00	4e-06	1e-06	2e-14	1e-07
8:	8.4454e+00	8.4454e+00	4e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9717e+00	4.9738e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9641e+00	7.9647e+00	1e+00	4e-01	1e-15	3e-02
3:	8.3409e+00	8.3410e+00	1e-01	5e-02	2e-15	3e-03
4:	8.3837e+00	8.3837e+00	2e-02	6e-03	3e-14	5e-04
5:	8.3898e+00	8.3898e+00	2e-03	7e-04	1e-14	5e-05
6:	8.3903e+00	8.3903e+00	2e-05	8e-06	3e-14	6e-07
7:	8.3903e+00	8.3903e+00	2e-07	8e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2911e+00	5.2951e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9670e+00	6.9690e+00	2e+00	7e-01	1e-15	5e-02
3:	7.6688e+00	7.6696e+00	7e-01	2e-01	1e-15	2e-02
4:	7.9208e+00	7.9210e+00	1e-01	5e-02	1e-15	4e-03
5:	7.9660e+00	7.9661e+00	2e-02	5e-03	1e-15	4e-04
6:	7.9706e+00	7.9706e+00	2e-04	5e-05	2e-15	4e-06
7:	7.9707e+00	7.9707e+00	2e-06	5e-07	3e-15	4e-08
8:	7.9707e+00	7.9707e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1082e+00	5.1073e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7083e+00	7.7081e+00	1e+00	4e-01	1e-15	3e-02
3:	8.0533e+00	8.0532e+00	4e-01	1e-01	4e-15	1e-02
4:	8.1776e+00	8.1775e+00	6e-02	2e-02	3e-15	2e-03
5:	8.2028e+00	8.2028e+00	1e-03	4e-04	3e-15	3e-05
6:	8.2033e+00	8.2033e+00	1e-05	4e-06	1e-15	3e-07
7:	8.2033e+00	8.2033e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0678e+00	3.0658e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3833e+00	5.3826e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7867e+00	5.7865e+00	2e-01	7e-02	9e-16	6e-03
4:	5.8527e+00	5.8527e+00	3e-02	1e-02	4e-15	8e-04
5:	5.8651e+00	5.8651e+00	8e-04	2e-04	6e-15	2e-05
6:	5.8654e+00	5.8654e+00	8e-06	2e-06	7e-15	2e-07

7: 5.8654e+00 5.8654e+00 8e-08 2e-08 5e-15 2e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0845e+00	4.0838e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8512e+00	6.8510e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1920e+00	7.1919e+00	3e-01	9e-02	2e-15	7e-03
4:	7.3112e+00	7.3112e+00	4e-02	1e-02	2e-15	9e-04
5:	7.3226e+00	7.3226e+00	4e-03	1e-03	5e-14	1e-04
6:	7.3237e+00	7.3237e+00	9e-05	3e-05	7e-14	2e-06
7:	7.3237e+00	7.3237e+00	9e-07	3e-07	4e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6330e+00	3.6330e+00	6e+00	2e+00	2e-16	1e-01
2:	5.3640e+00	5.3639e+00	2e+00	6e-01	1e-15	4e-02
3:	5.8619e+00	5.8619e+00	4e-01	1e-01	6e-16	1e-02
4:	5.9979e+00	5.9979e+00	9e-02	3e-02	1e-15	2e-03
5:	6.0196e+00	6.0196e+00	2e-02	5e-03	6e-15	4e-04
6:	6.0254e+00	6.0254e+00	2e-04	6e-05	8e-16	5e-06
7:	6.0255e+00	6.0255e+00	2e-06	6e-07	6e-16	5e-08
8:	6.0255e+00	6.0255e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.8717e+00	3.8769e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2409e+00	7.2430e+00	2e+00	7e-01	3e-15	5e-02
3:	7.7806e+00	7.7817e+00	7e-01	2e-01	2e-15	2e-02
4:	8.0066e+00	8.0068e+00	1e-01	3e-02	8e-16	2e-03
5:	8.0435e+00	8.0435e+00	1e-02	4e-03	5e-15	3e-04
6:	8.0474e+00	8.0474e+00	7e-04	2e-04	1e-14	2e-05
7:	8.0476e+00	8.0476e+00	7e-06	2e-06	3e-15	2e-07
8:	8.0476e+00	8.0476e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2912e+00	3.2951e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5106e+00	5.5117e+00	2e+00	5e-01	1e-15	4e-02
3:	6.0872e+00	6.0875e+00	3e-01	9e-02	7e-16	7e-03
4:	6.1750e+00	6.1750e+00	4e-02	1e-02	1e-15	1e-03
5:	6.1866e+00	6.1866e+00	1e-03	3e-04	3e-15	2e-05
6:	6.1869e+00	6.1869e+00	1e-05	3e-06	1e-15	2e-07
7:	6.1869e+00	6.1869e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.9281e+00	2.9334e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9586e+00	4.9602e+00	1e+00	4e-01	1e-15	3e-02

3:	5.2486e+00	5.2491e+00	3e-01	1e-01	1e-15	8e-03
4:	5.3414e+00	5.3416e+00	1e-01	4e-02	3e-15	3e-03
5:	5.3677e+00	5.3678e+00	2e-02	8e-03	4e-15	6e-04
6:	5.3763e+00	5.3764e+00	2e-03	6e-04	8e-16	5e-05
7:	5.3769e+00	5.3769e+00	2e-05	6e-06	2e-15	5e-07
8:	5.3769e+00	5.3769e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2693e+00	4.2751e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4311e+00	6.4332e+00	2e+00	6e-01	9e-16	4e-02
3:	6.9314e+00	6.9322e+00	5e-01	2e-01	1e-15	1e-02
4:	7.1219e+00	7.1220e+00	6e-02	2e-02	7e-16	1e-03
5:	7.1417e+00	7.1417e+00	3e-03	8e-04	2e-15	6e-05
6:	7.1423e+00	7.1423e+00	2e-04	7e-05	2e-13	5e-06
7:	7.1424e+00	7.1424e+00	5e-06	2e-06	2e-13	1e-07
8:	7.1424e+00	7.1424e+00	5e-08	2e-08	1e-13	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5581e+00	3.5568e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5518e+00	5.5512e+00	2e+00	6e-01	7e-16	5e-02
3:	6.2293e+00	6.2291e+00	4e-01	1e-01	8e-16	1e-02
4:	6.3931e+00	6.3931e+00	7e-02	2e-02	2e-15	2e-03
5:	6.4135e+00	6.4135e+00	3e-03	9e-04	4e-15	7e-05
6:	6.4145e+00	6.4145e+00	3e-05	9e-06	2e-15	7e-07
7:	6.4145e+00	6.4145e+00	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0453e+00	1.0427e+00	4e+00	1e+00	2e-16	2e-01
2:	2.7443e+00	2.7420e+00	1e+00	4e-01	7e-16	4e-02
3:	3.0257e+00	3.0248e+00	3e-01	9e-02	8e-16	9e-03
4:	3.0919e+00	3.0917e+00	5e-02	2e-02	7e-16	2e-03
5:	3.1087e+00	3.1087e+00	5e-03	1e-03	1e-15	1e-04
6:	3.1098e+00	3.1098e+00	6e-04	2e-04	4e-14	2e-05
7:	3.1100e+00	3.1100e+00	6e-06	2e-06	3e-15	2e-07
8:	3.1100e+00	3.1100e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6553e+00	3.6551e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9337e+00	5.9337e+00	2e+00	5e-01	1e-15	4e-02
3:	6.3820e+00	6.3820e+00	4e-01	1e-01	2e-15	1e-02
4:	6.4989e+00	6.4989e+00	1e-01	4e-02	2e-15	3e-03
5:	6.5405e+00	6.5404e+00	8e-03	3e-03	2e-15	2e-04
6:	6.5429e+00	6.5429e+00	9e-05	3e-05	3e-15	2e-06
7:	6.5430e+00	6.5430e+00	9e-07	3e-07	2e-15	2e-08

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8: 6.5430e+00 6.5430e+00 9e-09 3e-09 2e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.2594e+00 4.2569e+00 6e+00 2e+00 2e-16 2e-01
2: 7.0932e+00 7.0920e+00 1e+00 5e-01 2e-15 4e-02
3: 7.5142e+00 7.5138e+00 3e-01 9e-02 2e-15 8e-03
4: 7.6318e+00 7.6317e+00 6e-02 2e-02 6e-15 2e-03
5: 7.6501e+00 7.6501e+00 2e-03 5e-04 9e-15 4e-05
6: 7.6507e+00 7.6507e+00 2e-05 5e-06 5e-15 4e-07
7: 7.6507e+00 7.6507e+00 2e-07 5e-08 3e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 3.8528e+00 3.8623e+00 8e+00 2e+00 2e-16 2e-01
2: 6.5948e+00 6.5978e+00 2e+00 6e-01 2e-15 4e-02
3: 6.9692e+00 6.9700e+00 4e-01 1e-01 3e-15 9e-03
4: 7.0981e+00 7.0983e+00 1e-01 3e-02 2e-15 2e-03
5: 7.1234e+00 7.1234e+00 2e-02 5e-03 2e-15 4e-04
6: 7.1289e+00 7.1289e+00 3e-04 9e-05 9e-16 7e-06
7: 7.1290e+00 7.1290e+00 3e-06 9e-07 6e-16 7e-08
8: 7.1290e+00 7.1290e+00 3e-08 9e-09 9e-16 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.4933e+00 5.4922e+00 6e+00 2e+00 2e-16 2e-01
2: 8.4869e+00 8.4865e+00 1e+00 4e-01 2e-15 3e-02
3: 8.9004e+00 8.9003e+00 3e-01 8e-02 3e-15 7e-03
4: 8.9959e+00 8.9958e+00 2e-02 5e-03 1e-14 4e-04
5: 9.0000e+00 9.0000e+00 2e-04 5e-05 9e-15 4e-06
6: 9.0000e+00 9.0000e+00 2e-06 5e-07 6e-15 4e-08
7: 9.0000e+00 9.0000e+00 2e-08 5e-09 8e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.3735e+00 5.3777e+00 7e+00 2e+00 2e-16 2e-01
2: 7.9214e+00 7.9227e+00 1e+00 5e-01 1e-15 3e-02
3: 8.4378e+00 8.4381e+00 3e-01 9e-02 2e-15 7e-03
4: 8.5157e+00 8.5157e+00 2e-02 6e-03 7e-15 4e-04
5: 8.5214e+00 8.5214e+00 2e-03 7e-04 2e-15 5e-05
6: 8.5220e+00 8.5220e+00 2e-05 7e-06 3e-15 6e-07
7: 8.5220e+00 8.5220e+00 2e-07 7e-08 4e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 4.0239e+00 4.0328e+00 8e+00 2e+00 3e-16 2e-01
2: 6.5955e+00 6.5981e+00 2e+00 5e-01 9e-16 4e-02
3: 7.1431e+00 7.1439e+00 5e-01 1e-01 2e-15 1e-02

```

4:	7.2562e+00	7.2565e+00	2e-01	5e-02	3e-15	4e-03
5:	7.2885e+00	7.2886e+00	3e-02	9e-03	8e-15	7e-04
6:	7.2958e+00	7.2958e+00	1e-02	3e-03	3e-15	2e-04
7:	7.2985e+00	7.2985e+00	2e-04	5e-05	2e-15	4e-06
8:	7.2986e+00	7.2986e+00	2e-06	5e-07	2e-15	4e-08
9:	7.2986e+00	7.2986e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.4918e+00	3.4989e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4066e+00	6.4087e+00	1e+00	4e-01	1e-15	3e-02
3:	6.8659e+00	6.8664e+00	3e-01	8e-02	9e-16	6e-03
4:	6.8957e+00	6.8960e+00	1e-01	4e-02	4e-15	3e-03
5:	6.9295e+00	6.9295e+00	5e-03	2e-03	1e-15	1e-04
6:	6.9312e+00	6.9312e+00	5e-05	2e-05	8e-16	1e-06
7:	6.9312e+00	6.9312e+00	5e-07	2e-07	8e-16	1e-08
8:	6.9312e+00	6.9312e+00	5e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5280e+00	4.5332e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2301e+00	7.2322e+00	2e+00	6e-01	1e-15	5e-02
3:	7.6994e+00	7.7000e+00	4e-01	1e-01	1e-15	1e-02
4:	7.8178e+00	7.8180e+00	1e-01	3e-02	2e-15	2e-03
5:	7.8493e+00	7.8493e+00	3e-02	1e-02	1e-15	7e-04
6:	7.8568e+00	7.8568e+00	2e-03	8e-04	5e-15	6e-05
7:	7.8576e+00	7.8576e+00	2e-05	8e-06	1e-15	6e-07
8:	7.8576e+00	7.8576e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2131e+00	4.2130e+00	6e+00	2e+00	2e-16	2e-01
2:	6.8238e+00	6.8238e+00	2e+00	6e-01	2e-15	5e-02
3:	7.4132e+00	7.4132e+00	3e-01	1e-01	1e-15	8e-03
4:	7.5191e+00	7.5191e+00	1e-01	3e-02	1e-15	3e-03
5:	7.5526e+00	7.5526e+00	3e-03	9e-04	3e-15	7e-05
6:	7.5534e+00	7.5534e+00	3e-05	9e-06	2e-15	7e-07
7:	7.5534e+00	7.5534e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6586e+00	3.6563e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6808e+00	5.6800e+00	1e+00	4e-01	2e-15	4e-02
3:	6.1494e+00	6.1491e+00	3e-01	1e-01	2e-15	9e-03
4:	6.3121e+00	6.3120e+00	5e-02	2e-02	1e-15	1e-03
5:	6.3307e+00	6.3306e+00	8e-03	3e-03	2e-14	2e-04
6:	6.3329e+00	6.3329e+00	1e-03	4e-04	4e-14	3e-05
7:	6.3334e+00	6.3334e+00	3e-05	1e-05	7e-15	9e-07

8: 6.3334e+00 6.3334e+00 3e-07 1e-07 1e-14 9e-09  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2418e+00	4.2455e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7035e+00	6.7046e+00	1e+00	5e-01	2e-15	3e-02
3:	7.2315e+00	7.2318e+00	3e-01	9e-02	2e-15	7e-03
4:	7.3303e+00	7.3304e+00	3e-02	8e-03	2e-15	6e-04
5:	7.3401e+00	7.3401e+00	1e-03	3e-04	2e-15	3e-05
6:	7.3403e+00	7.3403e+00	4e-04	1e-04	9e-13	9e-06
7:	7.3404e+00	7.3404e+00	4e-06	1e-06	3e-14	1e-07
8:	7.3404e+00	7.3404e+00	4e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5850e+00	4.5852e+00	6e+00	2e+00	2e-16	2e-01
2:	6.8507e+00	6.8507e+00	1e+00	4e-01	2e-15	3e-02
3:	7.2939e+00	7.2940e+00	3e-01	1e-01	1e-15	8e-03
4:	7.4305e+00	7.4305e+00	4e-02	1e-02	3e-15	1e-03
5:	7.4457e+00	7.4457e+00	8e-04	3e-04	8e-15	2e-05
6:	7.4461e+00	7.4461e+00	8e-06	3e-06	3e-15	2e-07
7:	7.4461e+00	7.4461e+00	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0844e+00	4.0981e+00	8e+00	2e+00	3e-16	2e-01
2:	6.7443e+00	6.7490e+00	2e+00	6e-01	1e-15	4e-02
3:	7.2734e+00	7.2746e+00	4e-01	1e-01	8e-16	1e-02
4:	7.4190e+00	7.4192e+00	9e-02	3e-02	2e-15	2e-03
5:	7.4440e+00	7.4440e+00	5e-03	2e-03	1e-14	1e-04
6:	7.4457e+00	7.4457e+00	5e-05	2e-05	2e-15	1e-06
7:	7.4457e+00	7.4457e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5241e+00	3.5253e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6155e+00	5.6160e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9784e+00	5.9786e+00	4e-01	1e-01	2e-15	1e-02
4:	6.0790e+00	6.0790e+00	5e-02	1e-02	1e-15	1e-03
5:	6.0926e+00	6.0926e+00	1e-02	4e-03	2e-15	3e-04
6:	6.0954e+00	6.0955e+00	2e-03	7e-04	2e-14	6e-05
7:	6.0959e+00	6.0959e+00	4e-04	1e-04	9e-15	1e-05
8:	6.0961e+00	6.0961e+00	5e-06	1e-06	4e-15	1e-07
9:	6.0961e+00	6.0961e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6658e+00	3.6693e+00	7e+00	2e+00	2e-16	2e-01

2:	6.2458e+00	6.2471e+00	2e+00	6e-01	1e-15	5e-02
3:	6.8314e+00	6.8317e+00	3e-01	1e-01	2e-15	8e-03
4:	6.9145e+00	6.9146e+00	4e-02	1e-02	2e-15	9e-04
5:	6.9244e+00	6.9244e+00	2e-03	8e-04	2e-15	6e-05
6:	6.9252e+00	6.9252e+00	4e-04	1e-04	2e-15	8e-06
7:	6.9253e+00	6.9253e+00	4e-06	1e-06	2e-15	9e-08
8:	6.9253e+00	6.9253e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5836e+00	4.5853e+00	6e+00	2e+00	2e-16	1e-01
2:	6.5212e+00	6.5219e+00	2e+00	5e-01	9e-16	4e-02
3:	6.9355e+00	6.9357e+00	3e-01	8e-02	1e-15	6e-03
4:	7.0228e+00	7.0228e+00	1e-02	5e-03	1e-15	4e-04
5:	7.0270e+00	7.0270e+00	1e-04	5e-05	6e-16	4e-06
6:	7.0270e+00	7.0270e+00	1e-06	5e-07	7e-16	4e-08
7:	7.0270e+00	7.0270e+00	1e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8109e+00	2.8076e+00	5e+00	2e+00	2e-16	2e-01
2:	5.3566e+00	5.3551e+00	1e+00	3e-01	3e-15	3e-02
3:	5.7471e+00	5.7467e+00	2e-01	6e-02	2e-15	5e-03
4:	5.7959e+00	5.7958e+00	3e-02	1e-02	1e-14	9e-04
5:	5.8054e+00	5.8054e+00	2e-03	8e-04	1e-14	7e-05
6:	5.8063e+00	5.8063e+00	3e-05	8e-06	2e-15	7e-07
7:	5.8063e+00	5.8063e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2507e+00	4.2505e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1645e+00	7.1645e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5039e+00	7.5039e+00	3e-01	1e-01	5e-15	8e-03
4:	7.5943e+00	7.5943e+00	3e-02	1e-02	2e-15	8e-04
5:	7.6029e+00	7.6029e+00	1e-02	5e-03	1e-15	4e-04
6:	7.6071e+00	7.6071e+00	2e-03	8e-04	2e-15	6e-05
7:	7.6078e+00	7.6078e+00	3e-05	1e-05	7e-16	9e-07
8:	7.6078e+00	7.6078e+00	3e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.4928e+00	3.4987e+00	7e+00	2e+00	2e-16	2e-01
2:	6.0151e+00	6.0171e+00	1e+00	5e-01	6e-16	3e-02
3:	6.4263e+00	6.4273e+00	6e-01	2e-01	6e-16	1e-02
4:	6.5093e+00	6.5098e+00	2e-01	7e-02	2e-15	5e-03
5:	6.5804e+00	6.5805e+00	3e-02	9e-03	6e-16	7e-04
6:	6.5900e+00	6.5900e+00	6e-03	2e-03	4e-15	2e-04
7:	6.5918e+00	6.5918e+00	2e-04	8e-05	2e-14	6e-06



8:	6.5919e+00	6.5919e+00	2e-06	8e-07	6e-15	6e-08
9:	6.5919e+00	6.5919e+00	2e-08	8e-09	8e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8855e+00	2.8875e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9015e+00	4.9021e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3642e+00	5.3643e+00	2e-01	8e-02	8e-16	6e-03
4:	5.4398e+00	5.4399e+00	6e-02	2e-02	1e-15	2e-03
5:	5.4561e+00	5.4561e+00	7e-03	2e-03	8e-15	2e-04
6:	5.4579e+00	5.4579e+00	5e-04	1e-04	3e-14	1e-05
7:	5.4580e+00	5.4580e+00	5e-06	1e-06	3e-15	1e-07
8:	5.4580e+00	5.4580e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2608e+00	4.2604e+00	6e+00	2e+00	2e-16	2e-01
2:	7.2214e+00	7.2213e+00	1e+00	4e-01	2e-15	3e-02
3:	7.4811e+00	7.4811e+00	3e-01	1e-01	3e-15	8e-03
4:	7.5807e+00	7.5807e+00	5e-02	2e-02	7e-16	1e-03
5:	7.5918e+00	7.5918e+00	2e-02	5e-03	6e-15	4e-04
6:	7.5973e+00	7.5973e+00	2e-04	7e-05	7e-16	6e-06
7:	7.5974e+00	7.5974e+00	2e-06	7e-07	7e-16	6e-08
8:	7.5974e+00	7.5974e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6062e+00	4.6142e+00	8e+00	2e+00	3e-16	2e-01
2:	7.2373e+00	7.2405e+00	2e+00	7e-01	1e-15	5e-02
3:	7.8932e+00	7.8942e+00	6e-01	2e-01	1e-15	1e-02
4:	8.0556e+00	8.0560e+00	1e-01	4e-02	5e-15	3e-03
5:	8.0938e+00	8.0938e+00	3e-03	9e-04	9e-16	7e-05
6:	8.0947e+00	8.0947e+00	3e-05	9e-06	8e-16	7e-07
7:	8.0947e+00	8.0947e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6968e+00	4.6997e+00	6e+00	2e+00	3e-16	1e-01
2:	7.2052e+00	7.2064e+00	2e+00	6e-01	2e-15	4e-02
3:	7.6714e+00	7.6719e+00	5e-01	2e-01	1e-15	1e-02
4:	7.8093e+00	7.8094e+00	8e-02	3e-02	3e-15	2e-03
5:	7.8318e+00	7.8318e+00	9e-03	3e-03	5e-15	2e-04
6:	7.8349e+00	7.8349e+00	9e-05	3e-05	2e-15	2e-06
7:	7.8349e+00	7.8349e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6268e+00	5.6288e+00	7e+00	2e+00	3e-16	2e-01

2:	8.3788e+00	8.3795e+00	2e+00	5e-01	1e-15	4e-02
3:	8.8209e+00	8.8210e+00	3e-01	8e-02	2e-15	6e-03
4:	8.9029e+00	8.9030e+00	6e-02	2e-02	3e-15	1e-03
5:	8.9202e+00	8.9202e+00	8e-04	3e-04	7e-15	2e-05
6:	8.9204e+00	8.9204e+00	8e-06	3e-06	4e-15	2e-07
7:	8.9204e+00	8.9204e+00	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8892e+00	4.8952e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8104e+00	6.8122e+00	1e+00	4e-01	7e-16	3e-02
3:	7.2775e+00	7.2780e+00	3e-01	9e-02	9e-16	7e-03
4:	7.3685e+00	7.3686e+00	6e-02	2e-02	7e-16	1e-03
5:	7.3850e+00	7.3850e+00	6e-03	2e-03	7e-15	2e-04
6:	7.3870e+00	7.3870e+00	7e-05	2e-05	1e-15	2e-06
7:	7.3871e+00	7.3871e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.6354e+00	3.6516e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5875e+00	5.5936e+00	2e+00	7e-01	8e-16	5e-02
3:	6.0036e+00	6.0051e+00	5e-01	2e-01	7e-16	1e-02
4:	6.1218e+00	6.1222e+00	1e-01	4e-02	9e-16	3e-03
5:	6.1434e+00	6.1435e+00	2e-02	6e-03	1e-15	4e-04
6:	6.1495e+00	6.1495e+00	2e-03	6e-04	1e-15	5e-05
7:	6.1501e+00	6.1501e+00	2e-05	7e-06	8e-16	5e-07
8:	6.1501e+00	6.1501e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4939e+00	3.4916e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6924e+00	5.6915e+00	2e+00	5e-01	2e-15	4e-02
3:	6.2859e+00	6.2855e+00	4e-01	1e-01	2e-15	9e-03
4:	6.3966e+00	6.3965e+00	7e-02	2e-02	2e-15	2e-03
5:	6.4206e+00	6.4206e+00	8e-04	3e-04	4e-16	2e-05
6:	6.4208e+00	6.4208e+00	8e-06	3e-06	4e-16	2e-07
7:	6.4208e+00	6.4208e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4433e+00	3.4412e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6090e+00	5.6082e+00	1e+00	5e-01	2e-15	4e-02
3:	6.1560e+00	6.1559e+00	2e-01	6e-02	7e-16	5e-03
4:	6.1790e+00	6.1789e+00	9e-02	3e-02	9e-15	2e-03
5:	6.2075e+00	6.2075e+00	9e-03	3e-03	1e-15	2e-04
6:	6.2104e+00	6.2104e+00	9e-05	3e-05	6e-16	2e-06
7:	6.2104e+00	6.2104e+00	9e-07	3e-07	7e-16	2e-08
8:	6.2104e+00	6.2104e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9043e+00	3.9085e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4857e+00	6.4874e+00	2e+00	6e-01	2e-15	5e-02
3:	7.0792e+00	7.0797e+00	4e-01	1e-01	2e-15	9e-03
4:	7.2248e+00	7.2249e+00	4e-02	1e-02	2e-15	8e-04
5:	7.2349e+00	7.2349e+00	3e-03	1e-03	2e-14	8e-05
6:	7.2361e+00	7.2361e+00	3e-05	1e-05	1e-15	8e-07
7:	7.2361e+00	7.2361e+00	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1369e+00	3.1342e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7337e+00	5.7323e+00	2e+00	5e-01	2e-15	4e-02
3:	6.1702e+00	6.1698e+00	3e-01	1e-01	2e-15	9e-03
4:	6.2511e+00	6.2510e+00	6e-02	2e-02	2e-15	2e-03
5:	6.2746e+00	6.2746e+00	2e-02	7e-03	2e-15	6e-04
6:	6.2810e+00	6.2810e+00	9e-04	3e-04	5e-15	2e-05
7:	6.2813e+00	6.2813e+00	1e-05	3e-06	8e-16	2e-07
8:	6.2813e+00	6.2813e+00	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7725e+00	4.7763e+00	7e+00	2e+00	2e-16	2e-01
2:	8.1011e+00	8.1026e+00	2e+00	5e-01	2e-15	4e-02
3:	8.4826e+00	8.4832e+00	4e-01	1e-01	1e-15	1e-02
4:	8.6176e+00	8.6177e+00	5e-02	2e-02	2e-15	1e-03
5:	8.6305e+00	8.6306e+00	9e-03	3e-03	2e-14	2e-04
6:	8.6340e+00	8.6340e+00	9e-05	3e-05	1e-15	2e-06
7:	8.6340e+00	8.6340e+00	9e-07	3e-07	1e-15	2e-08
8:	8.6340e+00	8.6340e+00	9e-09	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2803e+00	3.2793e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7217e+00	5.7214e+00	1e+00	4e-01	2e-15	4e-02
3:	6.1523e+00	6.1523e+00	2e-01	8e-02	2e-15	6e-03
4:	6.2207e+00	6.2207e+00	6e-02	2e-02	3e-15	2e-03
5:	6.2358e+00	6.2358e+00	1e-02	3e-03	2e-14	3e-04
6:	6.2396e+00	6.2396e+00	2e-04	7e-05	1e-15	5e-06
7:	6.2397e+00	6.2397e+00	2e-06	7e-07	2e-15	5e-08
8:	6.2397e+00	6.2397e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0218e+00	3.0217e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5549e+00	5.5549e+00	2e+00	6e-01	2e-15	4e-02

3:	5.8317e+00	5.8316e+00	5e-01	1e-01	1e-15	1e-02
4:	5.9370e+00	5.9370e+00	9e-02	3e-02	9e-16	2e-03
5:	5.9686e+00	5.9686e+00	1e-02	4e-03	1e-15	3e-04
6:	5.9729e+00	5.9729e+00	4e-04	1e-04	5e-16	1e-05
7:	5.9731e+00	5.9731e+00	4e-06	1e-06	6e-16	1e-07
8:	5.9731e+00	5.9731e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6591e+00	4.6651e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2491e+00	7.2507e+00	1e+00	5e-01	2e-15	3e-02
3:	7.8456e+00	7.8460e+00	4e-01	1e-01	1e-15	9e-03
4:	7.9665e+00	7.9666e+00	5e-02	2e-02	3e-15	1e-03
5:	7.9859e+00	7.9859e+00	6e-04	2e-04	2e-15	1e-05
6:	7.9862e+00	7.9862e+00	6e-06	2e-06	2e-15	1e-07
7:	7.9862e+00	7.9862e+00	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9714e+00	2.9681e+00	5e+00	2e+00	3e-16	2e-01
2:	5.4306e+00	5.4289e+00	1e+00	4e-01	2e-15	4e-02
3:	5.8444e+00	5.8438e+00	4e-01	1e-01	2e-15	1e-02
4:	5.9428e+00	5.9427e+00	8e-02	3e-02	5e-15	2e-03
5:	5.9635e+00	5.9634e+00	8e-03	3e-03	4e-15	2e-04
6:	5.9660e+00	5.9660e+00	3e-03	1e-03	2e-15	8e-05
7:	5.9668e+00	5.9668e+00	2e-04	6e-05	9e-15	5e-06
8:	5.9668e+00	5.9668e+00	2e-06	6e-07	2e-15	5e-08
9:	5.9668e+00	5.9668e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9930e+00	3.9931e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1898e+00	6.1898e+00	2e+00	5e-01	7e-16	4e-02
3:	6.8191e+00	6.8191e+00	4e-01	1e-01	1e-15	1e-02
4:	6.9310e+00	6.9310e+00	4e-02	1e-02	2e-15	1e-03
5:	6.9433e+00	6.9433e+00	6e-04	2e-04	2e-15	2e-05
6:	6.9434e+00	6.9434e+00	6e-06	2e-06	1e-15	2e-07
7:	6.9434e+00	6.9434e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3938e+00	4.3927e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0544e+00	6.0538e+00	2e+00	6e-01	3e-15	5e-02
3:	6.6508e+00	6.6506e+00	4e-01	1e-01	3e-15	1e-02
4:	6.7948e+00	6.7947e+00	1e-01	4e-02	1e-15	3e-03
5:	6.8307e+00	6.8307e+00	9e-03	3e-03	1e-15	2e-04
6:	6.8342e+00	6.8342e+00	1e-04	3e-05	8e-16	3e-06
7:	6.8342e+00	6.8342e+00	1e-06	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3533e+00	4.3575e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7610e+00	6.7626e+00	2e+00	5e-01	1e-15	4e-02
3:	7.1727e+00	7.1730e+00	3e-01	1e-01	1e-15	7e-03
4:	7.2920e+00	7.2920e+00	2e-02	8e-03	9e-16	6e-04
5:	7.2994e+00	7.2994e+00	3e-04	8e-05	1e-15	6e-06
6:	7.2995e+00	7.2995e+00	3e-06	8e-07	9e-16	6e-08
7:	7.2995e+00	7.2995e+00	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7507e+00	4.7521e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5801e+00	7.5805e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9780e+00	7.9781e+00	1e-01	5e-02	1e-15	4e-03
4:	8.0213e+00	8.0213e+00	5e-03	2e-03	7e-15	1e-04
5:	8.0230e+00	8.0230e+00	5e-05	2e-05	2e-15	1e-06
6:	8.0230e+00	8.0230e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9866e+00	4.9847e+00	6e+00	2e+00	2e-16	2e-01
2:	7.3909e+00	7.3901e+00	1e+00	5e-01	2e-15	4e-02
3:	8.0188e+00	8.0185e+00	4e-01	1e-01	1e-15	1e-02
4:	8.1262e+00	8.1261e+00	9e-02	3e-02	4e-15	2e-03
5:	8.1535e+00	8.1535e+00	1e-02	5e-03	8e-16	4e-04
6:	8.1579e+00	8.1579e+00	2e-04	5e-05	1e-15	4e-06
7:	8.1579e+00	8.1579e+00	2e-06	5e-07	1e-15	4e-08
8:	8.1579e+00	8.1579e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2128e+00	4.2132e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9618e+00	6.9619e+00	2e+00	5e-01	2e-15	4e-02
3:	7.4160e+00	7.4161e+00	3e-01	8e-02	3e-15	6e-03
4:	7.5085e+00	7.5086e+00	4e-02	1e-02	2e-15	1e-03
5:	7.5199e+00	7.5199e+00	8e-04	3e-04	8e-15	2e-05
6:	7.5202e+00	7.5202e+00	8e-06	3e-06	3e-15	2e-07
7:	7.5202e+00	7.5202e+00	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0479e+00	5.0511e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0707e+00	8.0720e+00	2e+00	6e-01	2e-15	5e-02
3:	8.6064e+00	8.6070e+00	5e-01	2e-01	2e-15	1e-02
4:	8.7573e+00	8.7574e+00	7e-02	2e-02	1e-15	2e-03
5:	8.7774e+00	8.7774e+00	1e-02	4e-03	1e-14	3e-04

6:	8.7799e+00	8.7799e+00	2e-03	5e-04	5e-14	4e-05
7:	8.7805e+00	8.7805e+00	2e-05	6e-06	4e-15	5e-07
8:	8.7806e+00	8.7806e+00	2e-07	6e-08	7e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.2373e+00	5.2453e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1207e+00	7.1227e+00	1e+00	4e-01	1e-15	3e-02
3:	7.6430e+00	7.6435e+00	3e-01	1e-01	9e-16	7e-03
4:	7.7410e+00	7.7412e+00	8e-02	3e-02	4e-15	2e-03
5:	7.7549e+00	7.7549e+00	2e-02	7e-03	2e-14	5e-04
6:	7.7605e+00	7.7606e+00	9e-03	3e-03	8e-15	2e-04
7:	7.7634e+00	7.7634e+00	1e-04	3e-05	4e-15	3e-06
8:	7.7634e+00	7.7634e+00	1e-06	3e-07	2e-15	3e-08
9:	7.7634e+00	7.7634e+00	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8599e+00	3.8637e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9285e+00	6.9297e+00	2e+00	5e-01	1e-15	4e-02
3:	7.3149e+00	7.3154e+00	5e-01	2e-01	1e-15	1e-02
4:	7.4351e+00	7.4352e+00	5e-02	2e-02	6e-15	1e-03
5:	7.4518e+00	7.4518e+00	6e-04	2e-04	1e-15	1e-05
6:	7.4520e+00	7.4520e+00	6e-06	2e-06	2e-15	1e-07
7:	7.4520e+00	7.4520e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4694e+00	3.4695e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3928e+00	6.3928e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6818e+00	6.6819e+00	4e-01	1e-01	2e-15	1e-02
4:	6.8000e+00	6.8000e+00	6e-02	2e-02	3e-15	2e-03
5:	6.8147e+00	6.8147e+00	9e-03	3e-03	5e-15	2e-04
6:	6.8176e+00	6.8176e+00	1e-03	4e-04	1e-15	3e-05
7:	6.8179e+00	6.8179e+00	1e-05	4e-06	2e-15	3e-07
8:	6.8179e+00	6.8179e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1152e+00	3.1167e+00	7e+00	2e+00	3e-16	2e-01
2:	5.4170e+00	5.4176e+00	2e+00	7e-01	2e-15	5e-02
3:	6.0546e+00	6.0547e+00	4e-01	1e-01	3e-15	9e-03
4:	6.2087e+00	6.2087e+00	6e-02	2e-02	1e-15	1e-03
5:	6.2277e+00	6.2278e+00	8e-03	3e-03	2e-14	2e-04
6:	6.2312e+00	6.2312e+00	1e-04	4e-05	3e-15	3e-06
7:	6.2312e+00	6.2312e+00	1e-06	4e-07	9e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3884e+00	4.4010e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1375e+00	7.1415e+00	2e+00	5e-01	2e-15	4e-02
3:	7.5141e+00	7.5159e+00	6e-01	2e-01	1e-15	1e-02
4:	7.6458e+00	7.6461e+00	1e-01	3e-02	2e-15	2e-03
5:	7.6718e+00	7.6718e+00	3e-03	9e-04	2e-15	7e-05
6:	7.6727e+00	7.6727e+00	3e-05	9e-06	9e-16	7e-07
7:	7.6727e+00	7.6727e+00	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3648e+00	2.3616e+00	5e+00	2e+00	2e-16	2e-01
2:	4.4449e+00	4.4435e+00	1e+00	4e-01	4e-15	3e-02
3:	4.7781e+00	4.7779e+00	2e-01	5e-02	3e-15	5e-03
4:	4.8424e+00	4.8424e+00	3e-02	1e-02	9e-16	9e-04
5:	4.8502e+00	4.8502e+00	5e-04	2e-04	6e-15	1e-05
6:	4.8503e+00	4.8503e+00	5e-06	2e-06	2e-15	1e-07
7:	4.8503e+00	4.8503e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2806e+00	2.2817e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8944e+00	3.8949e+00	2e+00	7e-01	5e-16	6e-02
3:	4.2992e+00	4.2995e+00	5e-01	2e-01	7e-16	1e-02
4:	4.4649e+00	4.4650e+00	1e-01	4e-02	5e-16	3e-03
5:	4.5033e+00	4.5033e+00	1e-02	3e-03	6e-16	2e-04
6:	4.5064e+00	4.5064e+00	1e-04	3e-05	5e-16	3e-06
7:	4.5065e+00	4.5065e+00	1e-06	3e-07	5e-16	3e-08
8:	4.5065e+00	4.5065e+00	1e-08	3e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4294e+00	4.4292e+00	6e+00	2e+00	3e-16	2e-01
2:	7.4158e+00	7.4157e+00	2e+00	5e-01	3e-15	4e-02
3:	7.8593e+00	7.8593e+00	2e-01	7e-02	1e-15	6e-03
4:	7.9153e+00	7.9153e+00	2e-02	6e-03	5e-15	5e-04
5:	7.9216e+00	7.9216e+00	2e-04	7e-05	2e-15	6e-06
6:	7.9217e+00	7.9217e+00	2e-06	7e-07	2e-15	6e-08
7:	7.9217e+00	7.9217e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6343e+00	4.6367e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0519e+00	7.0528e+00	2e+00	5e-01	3e-15	4e-02
3:	7.4709e+00	7.4712e+00	4e-01	1e-01	2e-15	9e-03
4:	7.5676e+00	7.5676e+00	5e-02	2e-02	1e-15	1e-03
5:	7.5808e+00	7.5808e+00	4e-03	1e-03	6e-15	9e-05
6:	7.5822e+00	7.5822e+00	2e-04	5e-05	1e-15	4e-06

7:	7.5822e+00	7.5822e+00	2e-06	5e-07	9e-16	4e-08
8:	7.5822e+00	7.5822e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9715e+00	4.9710e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6098e+00	7.6096e+00	2e+00	5e-01	2e-15	4e-02
3:	8.2705e+00	8.2705e+00	4e-01	1e-01	3e-15	1e-02
4:	8.3966e+00	8.3966e+00	5e-02	2e-02	8e-15	1e-03
5:	8.4167e+00	8.4167e+00	3e-03	8e-04	3e-15	7e-05
6:	8.4176e+00	8.4176e+00	3e-05	8e-06	2e-15	7e-07
7:	8.4177e+00	8.4177e+00	3e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5770e+00	5.5753e+00	6e+00	2e+00	3e-16	2e-01
2:	8.6153e+00	8.6147e+00	1e+00	5e-01	2e-15	4e-02
3:	8.9966e+00	8.9963e+00	4e-01	1e-01	8e-15	9e-03
4:	9.1129e+00	9.1128e+00	1e-01	3e-02	4e-15	3e-03
5:	9.1377e+00	9.1377e+00	6e-03	2e-03	3e-15	2e-04
6:	9.1395e+00	9.1395e+00	5e-04	2e-04	1e-15	1e-05
7:	9.1396e+00	9.1396e+00	5e-06	2e-06	4e-15	1e-07
8:	9.1396e+00	9.1396e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7347e+00	4.7392e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4791e+00	7.4809e+00	2e+00	7e-01	2e-15	5e-02
3:	8.1449e+00	8.1454e+00	4e-01	1e-01	1e-15	9e-03
4:	8.2705e+00	8.2705e+00	4e-02	1e-02	1e-15	1e-03
5:	8.2799e+00	8.2800e+00	7e-03	2e-03	4e-14	2e-04
6:	8.2822e+00	8.2822e+00	2e-04	7e-05	2e-15	5e-06
7:	8.2822e+00	8.2822e+00	2e-06	7e-07	9e-15	5e-08
8:	8.2822e+00	8.2822e+00	2e-08	7e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6715e+00	4.6728e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1898e+00	6.1906e+00	3e+00	8e-01	2e-15	6e-02
3:	7.2521e+00	7.2523e+00	5e-01	2e-01	8e-16	1e-02
4:	7.4446e+00	7.4447e+00	7e-02	2e-02	2e-15	2e-03
5:	7.4759e+00	7.4759e+00	2e-02	6e-03	1e-15	5e-04
6:	7.4797e+00	7.4797e+00	8e-03	3e-03	3e-14	2e-04
7:	7.4828e+00	7.4828e+00	1e-04	3e-05	3e-15	3e-06
8:	7.4828e+00	7.4828e+00	1e-06	3e-07	6e-15	3e-08
9:	7.4828e+00	7.4828e+00	1e-08	3e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8827e+00	4.8877e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6477e+00	7.6496e+00	2e+00	5e-01	2e-15	4e-02
3:	8.0647e+00	8.0654e+00	4e-01	1e-01	1e-15	9e-03
4:	8.1531e+00	8.1531e+00	2e-02	6e-03	1e-15	4e-04
5:	8.1577e+00	8.1578e+00	2e-03	7e-04	7e-16	6e-05
6:	8.1585e+00	8.1585e+00	4e-04	1e-04	8e-16	9e-06
7:	8.1586e+00	8.1586e+00	4e-06	1e-06	5e-16	9e-08
8:	8.1586e+00	8.1586e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3583e+00	4.3668e+00	8e+00	3e+00	2e-16	2e-01
2:	7.5628e+00	7.5665e+00	2e+00	7e-01	9e-16	5e-02
3:	7.8021e+00	7.8040e+00	9e-01	3e-01	1e-15	2e-02
4:	8.0681e+00	8.0685e+00	1e-01	3e-02	9e-16	2e-03
5:	8.0982e+00	8.0982e+00	3e-03	1e-03	6e-16	8e-05
6:	8.0990e+00	8.0990e+00	3e-05	1e-05	7e-16	8e-07
7:	8.0990e+00	8.0990e+00	3e-07	1e-07	8e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8643e+00	4.8705e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1514e+00	7.1537e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5716e+00	7.5725e+00	5e-01	2e-01	8e-16	1e-02
4:	7.6231e+00	7.6236e+00	2e-01	6e-02	3e-15	5e-03
5:	7.6813e+00	7.6814e+00	1e-02	4e-03	4e-16	3e-04
6:	7.6858e+00	7.6858e+00	2e-04	5e-05	6e-16	4e-06
7:	7.6859e+00	7.6859e+00	2e-06	5e-07	6e-16	4e-08
8:	7.6859e+00	7.6859e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0717e+00	3.0712e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2000e+00	5.1998e+00	2e+00	7e-01	1e-15	6e-02
3:	5.9025e+00	5.9025e+00	4e-01	1e-01	1e-15	1e-02
4:	6.0639e+00	6.0639e+00	5e-02	2e-02	5e-16	1e-03
5:	6.0780e+00	6.0780e+00	3e-03	9e-04	6e-15	7e-05
6:	6.0786e+00	6.0786e+00	1e-04	4e-05	9e-14	3e-06
7:	6.0787e+00	6.0787e+00	1e-06	4e-07	2e-14	3e-08
8:	6.0787e+00	6.0787e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2952e+00	2.2920e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6769e+00	4.6755e+00	1e+00	4e-01	1e-15	4e-02
3:	5.0127e+00	5.0124e+00	2e-01	6e-02	1e-15	6e-03
4:	5.0704e+00	5.0703e+00	3e-02	1e-02	8e-15	9e-04

5:	5.0796e+00	5.0796e+00	6e-03	2e-03	2e-15	2e-04
6:	5.0811e+00	5.0811e+00	1e-03	3e-04	4e-15	2e-05
7:	5.0813e+00	5.0813e+00	1e-05	3e-06	7e-15	3e-07
8:	5.0813e+00	5.0813e+00	1e-07	3e-08	6e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0283e+00	6.0332e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6077e+00	8.6099e+00	2e+00	6e-01	1e-15	5e-02
3:	9.2377e+00	9.2384e+00	5e-01	2e-01	8e-16	1e-02
4:	9.3925e+00	9.3926e+00	7e-02	2e-02	3e-15	2e-03
5:	9.4149e+00	9.4149e+00	9e-04	3e-04	2e-15	2e-05
6:	9.4152e+00	9.4152e+00	9e-06	3e-06	1e-15	2e-07
7:	9.4152e+00	9.4152e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2576e+00	4.2647e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9632e+00	6.9659e+00	2e+00	5e-01	1e-15	4e-02
3:	7.2100e+00	7.2118e+00	7e-01	2e-01	2e-15	2e-02
4:	7.4265e+00	7.4268e+00	1e-01	4e-02	8e-16	3e-03
5:	7.4623e+00	7.4623e+00	1e-02	3e-03	1e-15	2e-04
6:	7.4648e+00	7.4648e+00	2e-04	7e-05	1e-14	6e-06
7:	7.4649e+00	7.4649e+00	2e-06	7e-07	7e-15	6e-08
8:	7.4649e+00	7.4649e+00	2e-08	7e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6951e+00	3.6929e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1591e+00	5.1583e+00	1e+00	4e-01	4e-15	4e-02
3:	5.6767e+00	5.6764e+00	4e-01	1e-01	2e-15	1e-02
4:	5.8180e+00	5.8179e+00	1e-01	3e-02	1e-15	3e-03
5:	5.8456e+00	5.8455e+00	2e-02	6e-03	8e-15	5e-04
6:	5.8517e+00	5.8517e+00	2e-03	6e-04	6e-15	5e-05
7:	5.8524e+00	5.8524e+00	2e-05	6e-06	7e-16	5e-07
8:	5.8525e+00	5.8525e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3802e+00	4.3941e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4414e+00	6.4463e+00	2e+00	6e-01	1e-15	4e-02
3:	7.0020e+00	7.0031e+00	4e-01	1e-01	1e-15	9e-03
4:	7.0908e+00	7.0912e+00	1e-01	4e-02	8e-16	3e-03
5:	7.1255e+00	7.1256e+00	5e-03	2e-03	2e-15	1e-04
6:	7.1270e+00	7.1270e+00	5e-05	2e-05	8e-16	1e-06
7:	7.1270e+00	7.1270e+00	5e-07	2e-07	9e-16	1e-08
8:	7.1270e+00	7.1270e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7444e+00	5.7533e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6391e+00	8.6422e+00	2e+00	5e-01	2e-15	4e-02
3:	9.1760e+00	9.1769e+00	4e-01	1e-01	1e-15	9e-03
4:	9.2782e+00	9.2783e+00	4e-02	1e-02	6e-15	1e-03
5:	9.2910e+00	9.2910e+00	5e-04	2e-04	2e-15	1e-05
6:	9.2912e+00	9.2912e+00	5e-06	2e-06	2e-15	1e-07
7:	9.2912e+00	9.2912e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2686e+00	2.2661e+00	6e+00	2e+00	3e-16	2e-01
2:	4.2889e+00	4.2876e+00	2e+00	5e-01	1e-15	5e-02
3:	4.7485e+00	4.7482e+00	4e-01	1e-01	7e-16	1e-02
4:	4.9041e+00	4.9041e+00	5e-02	2e-02	2e-15	1e-03
5:	4.9174e+00	4.9174e+00	3e-03	8e-04	7e-15	7e-05
6:	4.9183e+00	4.9183e+00	3e-05	8e-06	1e-15	7e-07
7:	4.9183e+00	4.9183e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9436e+00	3.9436e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3655e+00	6.3655e+00	2e+00	5e-01	2e-15	4e-02
3:	7.1393e+00	7.1393e+00	4e-01	1e-01	2e-15	1e-02
4:	7.2468e+00	7.2468e+00	3e-02	1e-02	2e-15	9e-04
5:	7.2579e+00	7.2579e+00	4e-04	1e-04	2e-15	9e-06
6:	7.2581e+00	7.2581e+00	4e-06	1e-06	2e-15	9e-08
7:	7.2581e+00	7.2581e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3901e+00	5.3939e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8822e+00	7.8836e+00	2e+00	6e-01	4e-15	4e-02
3:	8.5671e+00	8.5675e+00	3e-01	9e-02	2e-15	7e-03
4:	8.6465e+00	8.6466e+00	9e-02	3e-02	1e-15	2e-03
5:	8.6732e+00	8.6732e+00	4e-03	1e-03	4e-15	9e-05
6:	8.6743e+00	8.6743e+00	4e-05	1e-05	6e-16	9e-07
7:	8.6743e+00	8.6743e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.8532e+00	2.8583e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8241e+00	4.8256e+00	1e+00	4e-01	1e-15	3e-02
3:	5.2034e+00	5.2038e+00	3e-01	1e-01	5e-16	7e-03
4:	5.2921e+00	5.2922e+00	8e-02	3e-02	9e-16	2e-03
5:	5.3122e+00	5.3122e+00	5e-03	2e-03	2e-15	1e-04
6:	5.3137e+00	5.3137e+00	5e-05	2e-05	6e-16	1e-06

7: 5.3137e+00 5.3137e+00 5e-07 2e-07 7e-16 1e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6346e+00	4.6402e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8495e+00	6.8510e+00	1e+00	4e-01	7e-16	3e-02
3:	7.2405e+00	7.2409e+00	3e-01	8e-02	9e-16	6e-03
4:	7.3142e+00	7.3142e+00	4e-02	1e-02	1e-15	1e-03
5:	7.3231e+00	7.3231e+00	9e-03	3e-03	1e-14	2e-04
6:	7.3259e+00	7.3259e+00	3e-04	9e-05	1e-15	7e-06
7:	7.3260e+00	7.3260e+00	3e-06	9e-07	5e-15	7e-08
8:	7.3260e+00	7.3260e+00	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8881e+00	5.8903e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2788e+00	8.2797e+00	2e+00	6e-01	2e-15	5e-02
3:	8.9056e+00	8.9058e+00	3e-01	1e-01	1e-15	8e-03
4:	8.9990e+00	8.9990e+00	6e-02	2e-02	3e-15	2e-03
5:	9.0239e+00	9.0239e+00	4e-03	1e-03	9e-16	1e-04
6:	9.0252e+00	9.0252e+00	4e-05	1e-05	1e-15	1e-06
7:	9.0252e+00	9.0252e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.0071e+00	5.0182e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1036e+00	7.1064e+00	1e+00	4e-01	3e-15	3e-02
3:	7.4095e+00	7.4103e+00	3e-01	8e-02	1e-15	6e-03
4:	7.4868e+00	7.4869e+00	3e-02	1e-02	8e-16	8e-04
5:	7.4958e+00	7.4958e+00	2e-03	7e-04	2e-15	5e-05
6:	7.4965e+00	7.4965e+00	7e-04	2e-04	1e-15	2e-05
7:	7.4967e+00	7.4967e+00	1e-05	3e-06	2e-15	2e-07
8:	7.4967e+00	7.4967e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0102e+00	5.0108e+00	6e+00	2e+00	2e-16	2e-01
2:	7.3164e+00	7.3166e+00	1e+00	5e-01	2e-15	4e-02
3:	7.8288e+00	7.8288e+00	3e-01	1e-01	2e-15	8e-03
4:	7.9357e+00	7.9357e+00	3e-02	1e-02	2e-15	8e-04
5:	7.9492e+00	7.9492e+00	4e-04	1e-04	9e-16	1e-05
6:	7.9494e+00	7.9494e+00	4e-06	1e-06	6e-16	1e-07
7:	7.9494e+00	7.9494e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7175e+00	3.7188e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2774e+00	6.2778e+00	2e+00	5e-01	1e-15	4e-02

3:	6.8100e+00	6.8101e+00	4e-01	1e-01	1e-15	9e-03
4:	6.9321e+00	6.9321e+00	8e-02	2e-02	2e-15	2e-03
5:	6.9574e+00	6.9574e+00	4e-03	1e-03	3e-15	1e-04
6:	6.9591e+00	6.9591e+00	4e-05	1e-05	1e-15	1e-06
7:	6.9591e+00	6.9591e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1320e+00	2.1320e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1679e+00	4.1679e+00	1e+00	4e-01	1e-15	3e-02
3:	4.7575e+00	4.7575e+00	3e-01	9e-02	7e-16	7e-03
4:	4.8583e+00	4.8583e+00	4e-02	1e-02	3e-15	1e-03
5:	4.8701e+00	4.8701e+00	8e-03	2e-03	1e-14	2e-04
6:	4.8718e+00	4.8718e+00	9e-04	3e-04	8e-14	2e-05
7:	4.8721e+00	4.8721e+00	2e-05	6e-06	2e-14	5e-07
8:	4.8721e+00	4.8721e+00	2e-07	6e-08	3e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3829e+00	4.3844e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9739e+00	6.9744e+00	2e+00	5e-01	2e-15	4e-02
3:	7.4031e+00	7.4033e+00	4e-01	1e-01	3e-15	1e-02
4:	7.5570e+00	7.5571e+00	1e-01	4e-02	1e-15	3e-03
5:	7.5851e+00	7.5851e+00	1e-02	4e-03	2e-15	3e-04
6:	7.5891e+00	7.5891e+00	1e-04	4e-05	1e-15	4e-06
7:	7.5891e+00	7.5891e+00	1e-06	4e-07	9e-16	4e-08
8:	7.5891e+00	7.5891e+00	1e-08	4e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6777e+00	4.6776e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5920e+00	7.5920e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9729e+00	7.9729e+00	2e-01	8e-02	1e-15	6e-03
4:	8.0523e+00	8.0523e+00	5e-02	1e-02	2e-15	1e-03
5:	8.0594e+00	8.0594e+00	2e-02	5e-03	2e-14	4e-04
6:	8.0644e+00	8.0644e+00	2e-04	7e-05	3e-15	5e-06
7:	8.0644e+00	8.0644e+00	2e-06	7e-07	2e-15	5e-08
8:	8.0644e+00	8.0644e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7092e+00	4.7106e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5885e+00	6.5891e+00	2e+00	6e-01	7e-16	5e-02
3:	7.2517e+00	7.2519e+00	5e-01	2e-01	1e-15	1e-02
4:	7.4304e+00	7.4305e+00	1e-01	5e-02	1e-15	4e-03
5:	7.4690e+00	7.4690e+00	4e-02	1e-02	9e-15	9e-04
6:	7.4804e+00	7.4805e+00	5e-03	1e-03	1e-15	1e-04
7:	7.4819e+00	7.4819e+00	5e-05	2e-05	1e-15	1e-06

8: 7.4819e+00 7.4819e+00 5e-07 2e-07 2e-15 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5842e+00	6.5883e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1942e+00	9.1956e+00	2e+00	6e-01	1e-15	4e-02
3:	9.7345e+00	9.7348e+00	3e-01	1e-01	9e-16	8e-03
4:	9.8344e+00	9.8345e+00	8e-02	3e-02	5e-15	2e-03
5:	9.8624e+00	9.8624e+00	1e-02	4e-03	3e-15	3e-04
6:	9.8656e+00	9.8656e+00	1e-04	5e-05	3e-15	4e-06
7:	9.8656e+00	9.8656e+00	1e-06	5e-07	3e-15	4e-08
8:	9.8656e+00	9.8656e+00	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0187e+00	4.0239e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7105e+00	6.7121e+00	2e+00	5e-01	1e-15	4e-02
3:	7.2283e+00	7.2289e+00	5e-01	2e-01	1e-15	1e-02
4:	7.3630e+00	7.3632e+00	1e-01	4e-02	2e-15	3e-03
5:	7.3904e+00	7.3904e+00	4e-02	1e-02	8e-15	8e-04
6:	7.4017e+00	7.4017e+00	4e-03	1e-03	7e-15	9e-05
7:	7.4024e+00	7.4024e+00	1e-03	3e-04	3e-13	3e-05
8:	7.4027e+00	7.4027e+00	1e-05	3e-06	1e-14	3e-07
9:	7.4027e+00	7.4027e+00	1e-07	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0765e+00	6.0775e+00	6e+00	2e+00	3e-16	2e-01
2:	8.8920e+00	8.8924e+00	2e+00	6e-01	4e-15	4e-02
3:	9.3029e+00	9.3031e+00	4e-01	1e-01	5e-15	1e-02
4:	9.4396e+00	9.4396e+00	8e-02	3e-02	2e-15	2e-03
5:	9.4582e+00	9.4582e+00	3e-02	9e-03	9e-15	7e-04
6:	9.4697e+00	9.4697e+00	7e-04	2e-04	4e-15	2e-05
7:	9.4699e+00	9.4699e+00	7e-06	2e-06	2e-14	2e-07
8:	9.4699e+00	9.4699e+00	7e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8542e+00	4.8573e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9408e+00	6.9417e+00	2e+00	5e-01	1e-15	4e-02
3:	7.6352e+00	7.6356e+00	5e-01	2e-01	2e-15	1e-02
4:	7.7883e+00	7.7885e+00	1e-01	4e-02	3e-15	3e-03
5:	7.8228e+00	7.8228e+00	3e-02	1e-02	9e-15	9e-04
6:	7.8356e+00	7.8356e+00	6e-04	2e-04	1e-15	1e-05
7:	7.8358e+00	7.8358e+00	6e-06	2e-06	3e-15	1e-07
8:	7.8358e+00	7.8358e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7563e+00	4.7591e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5783e+00	7.5794e+00	2e+00	6e-01	2e-15	4e-02
3:	8.2580e+00	8.2583e+00	4e-01	1e-01	2e-15	1e-02
4:	8.3580e+00	8.3580e+00	6e-02	2e-02	5e-15	2e-03
5:	8.3841e+00	8.3841e+00	2e-03	5e-04	2e-15	4e-05
6:	8.3847e+00	8.3847e+00	2e-05	5e-06	1e-15	4e-07
7:	8.3847e+00	8.3847e+00	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.1725e+00	4.1872e+00	8e+00	3e+00	2e-16	2e-01
2:	6.7347e+00	6.7395e+00	2e+00	6e-01	1e-15	4e-02
3:	7.3428e+00	7.3440e+00	3e-01	1e-01	6e-16	8e-03
4:	7.4151e+00	7.4152e+00	2e-02	5e-03	1e-15	4e-04
5:	7.4193e+00	7.4193e+00	2e-04	5e-05	1e-15	4e-06
6:	7.4193e+00	7.4193e+00	2e-06	5e-07	8e-16	4e-08
7:	7.4193e+00	7.4193e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0702e+00	6.0698e+00	6e+00	2e+00	3e-16	2e-01
2:	8.6080e+00	8.6079e+00	2e+00	5e-01	1e-15	4e-02
3:	9.0553e+00	9.0553e+00	2e-01	7e-02	2e-15	6e-03
4:	9.1701e+00	9.1701e+00	2e-02	7e-03	1e-15	5e-04
5:	9.1786e+00	9.1786e+00	2e-04	7e-05	6e-15	6e-06
6:	9.1787e+00	9.1787e+00	2e-06	7e-07	3e-15	6e-08
7:	9.1787e+00	9.1787e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3780e+00	4.3821e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8397e+00	6.8410e+00	1e+00	5e-01	2e-15	4e-02
3:	7.2779e+00	7.2783e+00	3e-01	1e-01	7e-16	7e-03
4:	7.3702e+00	7.3702e+00	2e-02	5e-03	9e-16	4e-04
5:	7.3756e+00	7.3756e+00	2e-04	5e-05	5e-16	4e-06
6:	7.3757e+00	7.3757e+00	2e-06	5e-07	7e-16	4e-08
7:	7.3757e+00	7.3757e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3344e+00	5.3405e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3426e+00	7.3448e+00	2e+00	7e-01	1e-15	5e-02
3:	8.1225e+00	8.1232e+00	6e-01	2e-01	2e-15	1e-02
4:	8.3101e+00	8.3105e+00	2e-01	6e-02	6e-15	4e-03
5:	8.3558e+00	8.3559e+00	4e-02	1e-02	5e-15	1e-03
6:	8.3708e+00	8.3708e+00	4e-03	1e-03	1e-14	1e-04
7:	8.3720e+00	8.3720e+00	5e-05	2e-05	1e-14	1e-06

8:	8.3721e+00	8.3721e+00	5e-07	2e-07	1e-14	1e-08
9:	8.3721e+00	8.3721e+00	5e-09	2e-09	1e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0450e+00	5.0524e+00	8e+00	3e+00	2e-16	2e-01
2:	7.8061e+00	7.8086e+00	2e+00	6e-01	1e-15	5e-02
3:	8.6087e+00	8.6095e+00	4e-01	1e-01	1e-15	9e-03
4:	8.7305e+00	8.7305e+00	3e-02	9e-03	1e-15	6e-04
5:	8.7363e+00	8.7363e+00	5e-03	1e-03	7e-14	1e-04
6:	8.7377e+00	8.7377e+00	6e-05	2e-05	4e-15	2e-06
7:	8.7378e+00	8.7378e+00	6e-07	2e-07	2e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7382e+00	5.7449e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3761e+00	7.3792e+00	2e+00	8e-01	2e-15	6e-02
3:	8.2504e+00	8.2513e+00	6e-01	2e-01	2e-15	1e-02
4:	8.4729e+00	8.4732e+00	1e-01	5e-02	9e-16	3e-03
5:	8.5110e+00	8.5110e+00	1e-02	3e-03	2e-15	2e-04
6:	8.5138e+00	8.5138e+00	1e-04	3e-05	8e-16	2e-06
7:	8.5138e+00	8.5138e+00	1e-06	3e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8942e+00	2.8915e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2551e+00	5.2542e+00	1e+00	3e-01	3e-15	3e-02
3:	5.6261e+00	5.6259e+00	2e-01	7e-02	3e-15	6e-03
4:	5.6725e+00	5.6725e+00	4e-02	1e-02	5e-15	1e-03
5:	5.6865e+00	5.6865e+00	4e-03	1e-03	7e-15	1e-04
6:	5.6882e+00	5.6882e+00	7e-05	2e-05	1e-15	2e-06
7:	5.6882e+00	5.6882e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7483e+00	4.7589e+00	8e+00	3e+00	3e-16	2e-01
2:	7.7685e+00	7.7724e+00	2e+00	7e-01	1e-15	5e-02
3:	8.2789e+00	8.2805e+00	6e-01	2e-01	6e-16	1e-02
4:	8.4196e+00	8.4199e+00	1e-01	3e-02	2e-15	2e-03
5:	8.4444e+00	8.4444e+00	2e-02	6e-03	1e-15	4e-04
6:	8.4497e+00	8.4497e+00	1e-03	4e-04	3e-15	3e-05
7:	8.4501e+00	8.4501e+00	1e-05	4e-06	3e-15	3e-07
8:	8.4501e+00	8.4501e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4026e+00	5.4059e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6641e+00	8.6650e+00	1e+00	5e-01	1e-15	3e-02



3:	9.0253e+00	9.0256e+00	3e-01	1e-01	3e-15	8e-03
4:	9.1229e+00	9.1230e+00	9e-02	3e-02	1e-14	2e-03
5:	9.1440e+00	9.1441e+00	1e-02	4e-03	4e-15	3e-04
6:	9.1481e+00	9.1481e+00	5e-04	1e-04	4e-15	1e-05
7:	9.1482e+00	9.1482e+00	5e-06	1e-06	5e-15	1e-07
8:	9.1482e+00	9.1482e+00	5e-08	1e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2921e+00	3.2903e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6058e+00	5.6052e+00	1e+00	4e-01	1e-15	3e-02
3:	6.0845e+00	6.0844e+00	3e-01	8e-02	1e-15	7e-03
4:	6.1537e+00	6.1537e+00	4e-02	1e-02	8e-15	1e-03
5:	6.1617e+00	6.1617e+00	8e-03	3e-03	4e-14	2e-04
6:	6.1641e+00	6.1641e+00	9e-04	3e-04	6e-15	2e-05
7:	6.1643e+00	6.1643e+00	9e-06	3e-06	1e-14	2e-07
8:	6.1643e+00	6.1643e+00	9e-08	3e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9574e+00	2.9582e+00	7e+00	2e+00	2e-16	2e-01
2:	5.4572e+00	5.4574e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8830e+00	5.8830e+00	1e-01	4e-02	1e-15	3e-03
4:	5.9298e+00	5.9298e+00	3e-03	9e-04	3e-15	7e-05
5:	5.9307e+00	5.9307e+00	3e-05	9e-06	1e-15	7e-07
6:	5.9307e+00	5.9307e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9252e+00	4.9406e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0701e+00	7.0758e+00	2e+00	6e-01	1e-15	4e-02
3:	7.7998e+00	7.8014e+00	5e-01	2e-01	6e-16	1e-02
4:	7.9139e+00	7.9143e+00	8e-02	3e-02	2e-15	2e-03
5:	7.9362e+00	7.9363e+00	8e-03	2e-03	7e-15	2e-04
6:	7.9388e+00	7.9388e+00	9e-05	3e-05	6e-15	2e-06
7:	7.9388e+00	7.9388e+00	9e-07	3e-07	5e-15	2e-08
8:	7.9388e+00	7.9388e+00	9e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1279e+00	3.1261e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2809e+00	5.2803e+00	1e+00	3e-01	3e-15	3e-02
3:	5.6241e+00	5.6239e+00	3e-01	8e-02	2e-15	7e-03
4:	5.6879e+00	5.6878e+00	5e-02	1e-02	8e-15	1e-03
5:	5.6998e+00	5.6997e+00	2e-02	5e-03	3e-15	4e-04
6:	5.7039e+00	5.7039e+00	4e-04	1e-04	2e-15	1e-05
7:	5.7040e+00	5.7040e+00	4e-06	1e-06	7e-16	1e-07
8:	5.7040e+00	5.7040e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5322e+00	4.5318e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9697e+00	6.9696e+00	2e+00	6e-01	1e-15	4e-02
3:	7.4740e+00	7.4740e+00	3e-01	1e-01	2e-15	9e-03
4:	7.6074e+00	7.6074e+00	6e-02	2e-02	2e-15	2e-03
5:	7.6285e+00	7.6285e+00	3e-03	8e-04	7e-15	6e-05
6:	7.6294e+00	7.6294e+00	3e-05	8e-06	2e-15	7e-07
7:	7.6294e+00	7.6294e+00	3e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5367e+00	5.5364e+00	6e+00	2e+00	3e-16	2e-01
2:	8.4966e+00	8.4965e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8996e+00	8.8996e+00	2e-01	7e-02	2e-15	6e-03
4:	8.9608e+00	8.9608e+00	2e-02	6e-03	8e-15	5e-04
5:	8.9664e+00	8.9664e+00	2e-04	7e-05	7e-15	5e-06
6:	8.9665e+00	8.9665e+00	2e-06	7e-07	7e-15	5e-08
7:	8.9665e+00	8.9665e+00	2e-08	7e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6810e+00	6.6861e+00	8e+00	2e+00	2e-16	2e-01
2:	9.6472e+00	9.6484e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9702e+00	9.9706e+00	3e-01	9e-02	1e-15	7e-03
4:	1.0044e+01	1.0044e+01	4e-02	1e-02	2e-15	9e-04
5:	1.0056e+01	1.0056e+01	2e-03	7e-04	2e-15	6e-05
6:	1.0057e+01	1.0057e+01	2e-05	7e-06	2e-15	6e-07
7:	1.0057e+01	1.0057e+01	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3870e+00	4.3962e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7607e+00	6.7634e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1257e+00	7.1271e+00	5e-01	2e-01	1e-15	1e-02
4:	7.2655e+00	7.2658e+00	1e-01	4e-02	1e-15	3e-03
5:	7.2960e+00	7.2960e+00	1e-02	4e-03	3e-15	3e-04
6:	7.3003e+00	7.3003e+00	1e-03	4e-04	1e-15	3e-05
7:	7.3006e+00	7.3007e+00	1e-05	4e-06	2e-15	3e-07
8:	7.3007e+00	7.3007e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0617e+00	3.0590e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4332e+00	5.4322e+00	1e+00	4e-01	2e-15	4e-02
3:	5.8455e+00	5.8451e+00	4e-01	1e-01	2e-15	1e-02
4:	5.9841e+00	5.9840e+00	6e-02	2e-02	2e-15	2e-03

5:	6.0049e+00	6.0048e+00	9e-03	3e-03	1e-14	2e-04
6:	6.0080e+00	6.0080e+00	7e-04	2e-04	2e-14	2e-05
7:	6.0082e+00	6.0082e+00	8e-06	2e-06	7e-14	2e-07
8:	6.0082e+00	6.0082e+00	8e-08	2e-08	5e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9425e+00	3.9445e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6019e+00	6.6025e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9743e+00	6.9745e+00	4e-01	1e-01	1e-15	9e-03
4:	7.0955e+00	7.0956e+00	1e-01	4e-02	3e-15	3e-03
5:	7.1288e+00	7.1288e+00	3e-03	9e-04	7e-15	7e-05
6:	7.1298e+00	7.1298e+00	3e-05	9e-06	2e-15	7e-07
7:	7.1298e+00	7.1298e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2851e+00	4.2874e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7415e+00	6.7420e+00	1e+00	3e-01	3e-15	2e-02
3:	7.0126e+00	7.0127e+00	2e-01	5e-02	7e-16	4e-03
4:	7.0660e+00	7.0660e+00	2e-02	7e-03	1e-15	5e-04
5:	7.0761e+00	7.0761e+00	9e-04	3e-04	1e-15	2e-05
6:	7.0765e+00	7.0765e+00	1e-05	3e-06	2e-15	2e-07
7:	7.0765e+00	7.0765e+00	1e-07	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0033e+00	4.0067e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8635e+00	5.8646e+00	1e+00	5e-01	1e-15	4e-02
3:	6.1977e+00	6.1979e+00	3e-01	1e-01	1e-15	8e-03
4:	6.3014e+00	6.3015e+00	7e-02	2e-02	1e-15	2e-03
5:	6.3181e+00	6.3181e+00	2e-02	7e-03	3e-15	5e-04
6:	6.3230e+00	6.3230e+00	2e-03	5e-04	6e-15	4e-05
7:	6.3235e+00	6.3235e+00	2e-05	5e-06	1e-15	4e-07
8:	6.3235e+00	6.3235e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1973e+00	6.1983e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5959e+00	9.5962e+00	1e+00	4e-01	1e-15	3e-02
3:	9.8202e+00	9.8203e+00	3e-01	1e-01	5e-15	8e-03
4:	9.9184e+00	9.9184e+00	6e-02	2e-02	2e-15	1e-03
5:	9.9391e+00	9.9391e+00	9e-03	3e-03	1e-15	2e-04
6:	9.9430e+00	9.9430e+00	3e-04	9e-05	7e-16	7e-06
7:	9.9431e+00	9.9431e+00	3e-06	9e-07	1e-15	7e-08
8:	9.9431e+00	9.9431e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5298e+00	4.5327e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1504e+00	7.1513e+00	2e+00	5e-01	2e-15	4e-02
3:	7.6336e+00	7.6338e+00	3e-01	8e-02	4e-15	6e-03
4:	7.6920e+00	7.6921e+00	5e-02	2e-02	3e-15	1e-03
5:	7.7074e+00	7.7074e+00	1e-02	4e-03	1e-15	3e-04
6:	7.7105e+00	7.7105e+00	6e-04	2e-04	7e-15	1e-05
7:	7.7107e+00	7.7107e+00	6e-06	2e-06	2e-15	1e-07
8:	7.7107e+00	7.7107e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3477e+00	4.3551e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5361e+00	7.5381e+00	1e+00	4e-01	1e-15	3e-02
3:	7.6945e+00	7.6954e+00	3e-01	1e-01	4e-15	8e-03
4:	7.8167e+00	7.8168e+00	3e-02	1e-02	7e-16	7e-04
5:	7.8253e+00	7.8253e+00	3e-04	1e-04	1e-15	8e-06
6:	7.8253e+00	7.8253e+00	3e-06	1e-06	7e-16	8e-08
7:	7.8253e+00	7.8253e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5157e+00	3.5252e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8576e+00	6.8599e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1785e+00	7.1791e+00	2e-01	7e-02	2e-15	5e-03
4:	7.2176e+00	7.2178e+00	4e-02	1e-02	5e-15	1e-03
5:	7.2282e+00	7.2282e+00	9e-03	3e-03	2e-15	2e-04
6:	7.2305e+00	7.2305e+00	1e-04	3e-05	3e-15	2e-06
7:	7.2306e+00	7.2306e+00	1e-06	3e-07	2e-15	2e-08
8:	7.2306e+00	7.2306e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3074e+00	5.3123e+00	8e+00	2e+00	2e-16	2e-01
2:	7.9892e+00	7.9908e+00	2e+00	6e-01	1e-15	5e-02
3:	8.8872e+00	8.8877e+00	5e-01	2e-01	1e-15	1e-02
4:	9.0053e+00	9.0055e+00	1e-01	4e-02	7e-15	3e-03
5:	9.0503e+00	9.0503e+00	2e-02	5e-03	3e-15	4e-04
6:	9.0556e+00	9.0556e+00	1e-03	4e-04	2e-14	3e-05
7:	9.0561e+00	9.0561e+00	1e-05	4e-06	3e-15	3e-07
8:	9.0561e+00	9.0561e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3742e+00	7.3786e+00	6e+00	2e+00	2e-16	1e-01
2:	9.6143e+00	9.6158e+00	1e+00	5e-01	2e-15	3e-02
3:	1.0208e+01	1.0208e+01	3e-01	9e-02	1e-15	7e-03
4:	1.0292e+01	1.0292e+01	4e-02	1e-02	3e-15	9e-04

5:	1.0307e+01	1.0307e+01	7e-04	2e-04	4e-15	2e-05
6:	1.0307e+01	1.0307e+01	7e-06	2e-06	3e-15	2e-07
7:	1.0307e+01	1.0307e+01	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1125e+00	3.1116e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6016e+00	5.6014e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9578e+00	5.9577e+00	3e-01	9e-02	2e-15	8e-03
4:	6.0479e+00	6.0479e+00	4e-02	1e-02	3e-15	1e-03
5:	6.0620e+00	6.0620e+00	2e-03	6e-04	1e-15	5e-05
6:	6.0626e+00	6.0626e+00	2e-05	6e-06	1e-15	5e-07
7:	6.0626e+00	6.0626e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2755e+00	6.2777e+00	7e+00	2e+00	2e-16	2e-01
2:	9.0106e+00	9.0113e+00	1e+00	4e-01	2e-15	3e-02
3:	9.3802e+00	9.3803e+00	3e-01	8e-02	2e-15	6e-03
4:	9.4825e+00	9.4825e+00	4e-02	1e-02	3e-15	1e-03
5:	9.4963e+00	9.4963e+00	9e-04	3e-04	9e-15	2e-05
6:	9.4966e+00	9.4966e+00	9e-06	3e-06	6e-15	2e-07
7:	9.4966e+00	9.4966e+00	9e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1659e+00	4.1662e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7769e+00	6.7770e+00	1e+00	5e-01	2e-15	4e-02
3:	7.1727e+00	7.1727e+00	4e-01	1e-01	3e-15	9e-03
4:	7.2663e+00	7.2663e+00	7e-02	2e-02	4e-15	2e-03
5:	7.2850e+00	7.2850e+00	1e-02	3e-03	3e-15	2e-04
6:	7.2885e+00	7.2885e+00	1e-03	4e-04	2e-15	3e-05
7:	7.2886e+00	7.2886e+00	7e-04	2e-04	1e-13	2e-05
8:	7.2888e+00	7.2888e+00	7e-06	2e-06	9e-16	2e-07
9:	7.2888e+00	7.2888e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3856e+00	4.3942e+00	8e+00	2e+00	2e-16	2e-01
2:	6.6708e+00	6.6736e+00	2e+00	6e-01	1e-15	5e-02
3:	7.4919e+00	7.4927e+00	5e-01	2e-01	1e-15	1e-02
4:	7.5782e+00	7.5789e+00	3e-01	9e-02	4e-15	6e-03
5:	7.6798e+00	7.6798e+00	1e-02	4e-03	9e-16	3e-04
6:	7.6844e+00	7.6844e+00	1e-04	4e-05	2e-15	3e-06
7:	7.6844e+00	7.6844e+00	1e-06	4e-07	2e-15	3e-08
8:	7.6844e+00	7.6844e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8866e+00	5.8896e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4317e+00	8.4331e+00	2e+00	7e-01	1e-15	5e-02
3:	8.8348e+00	8.8357e+00	7e-01	2e-01	2e-15	2e-02
4:	9.0661e+00	9.0663e+00	1e-01	3e-02	7e-16	3e-03
5:	9.1037e+00	9.1037e+00	2e-02	6e-03	1e-15	4e-04
6:	9.1090e+00	9.1090e+00	7e-04	2e-04	6e-15	2e-05
7:	9.1092e+00	9.1092e+00	7e-06	2e-06	1e-15	2e-07
8:	9.1092e+00	9.1092e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1074e+00	4.1083e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6075e+00	5.6077e+00	1e+00	4e-01	2e-15	3e-02
3:	6.1159e+00	6.1160e+00	2e-01	7e-02	1e-15	5e-03
4:	6.1994e+00	6.1994e+00	9e-03	3e-03	6e-16	2e-04
5:	6.2025e+00	6.2025e+00	1e-04	3e-05	1e-15	2e-06
6:	6.2026e+00	6.2026e+00	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5244e+00	7.5276e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0274e+01	1.0275e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0847e+01	1.0847e+01	3e-01	1e-01	2e-15	8e-03
4:	1.0917e+01	1.0917e+01	1e-01	3e-02	2e-14	3e-03
5:	1.0952e+01	1.0953e+01	6e-03	2e-03	2e-15	1e-04
6:	1.0954e+01	1.0954e+01	6e-05	2e-05	4e-15	2e-06
7:	1.0954e+01	1.0954e+01	6e-07	2e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5496e+00	3.5489e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2357e+00	6.2354e+00	1e+00	4e-01	1e-15	3e-02
3:	6.7225e+00	6.7224e+00	3e-01	1e-01	1e-15	9e-03
4:	6.8007e+00	6.8006e+00	8e-02	2e-02	4e-15	2e-03
5:	6.8271e+00	6.8271e+00	6e-03	2e-03	2e-15	1e-04
6:	6.8289e+00	6.8289e+00	6e-05	2e-05	3e-15	1e-06
7:	6.8289e+00	6.8289e+00	6e-07	2e-07	2e-15	1e-08
8:	6.8289e+00	6.8289e+00	6e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0115e+00	5.0183e+00	7e+00	2e+00	3e-16	1e-01
2:	6.6162e+00	6.6182e+00	2e+00	5e-01	3e-15	4e-02
3:	7.2371e+00	7.2377e+00	4e-01	1e-01	2e-15	9e-03
4:	7.3724e+00	7.3725e+00	5e-02	2e-02	2e-15	1e-03
5:	7.3879e+00	7.3879e+00	1e-02	4e-03	2e-15	3e-04
6:	7.3924e+00	7.3924e+00	1e-03	4e-04	8e-15	3e-05

7:	7.3928e+00	7.3928e+00	1e-05	4e-06	7e-16	3e-07
8:	7.3928e+00	7.3928e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1258e+00	5.1291e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5347e+00	7.5358e+00	2e+00	6e-01	1e-15	5e-02
3:	8.4011e+00	8.4014e+00	4e-01	1e-01	1e-15	9e-03
4:	8.5023e+00	8.5024e+00	1e-01	3e-02	4e-15	2e-03
5:	8.5332e+00	8.5332e+00	1e-02	4e-03	4e-15	3e-04
6:	8.5367e+00	8.5367e+00	1e-04	4e-05	5e-15	3e-06
7:	8.5368e+00	8.5368e+00	1e-06	4e-07	5e-15	3e-08
8:	8.5368e+00	8.5368e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3771e+00	6.3781e+00	6e+00	2e+00	4e-16	1e-01
2:	9.1825e+00	9.1829e+00	2e+00	6e-01	2e-15	5e-02
3:	9.5582e+00	9.5584e+00	5e-01	2e-01	6e-15	1e-02
4:	9.7251e+00	9.7251e+00	6e-02	2e-02	1e-15	2e-03
5:	9.7442e+00	9.7442e+00	2e-02	7e-03	9e-16	6e-04
6:	9.7516e+00	9.7516e+00	7e-04	2e-04	1e-15	2e-05
7:	9.7518e+00	9.7518e+00	7e-06	2e-06	1e-15	2e-07
8:	9.7518e+00	9.7518e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4445e-01	6.4118e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9692e-01	9.9641e-01	3e-01	9e-02	3e-15	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	2e-16	8e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	3e-16	8e-07
5:	1.0000e+00	1.0000e+00	3e-07	9e-08	2e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7164e-01	4.6895e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9699e-01	9.9469e-01	2e+00	5e-01	3e-15	5e-02
3:	9.9900e-01	9.9877e-01	3e-02	8e-03	2e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	3e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	2e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7998e-01	5.7665e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9704e-01	9.9577e-01	7e-01	2e-01	1e-15	2e-02
3:	9.9996e-01	9.9995e-01	7e-03	2e-03	7e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	3e-16	2e-06

5: 1.0000e+00 1.0000e+00 7e-07 2e-07 6e-16 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0583e-01	7.0308e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9706e-01	9.9693e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9343e-01	5.9008e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9590e-01	6e-01	2e-01	1e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6114e-01	7.5936e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9763e-01	9.9759e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0031e-01	5.9696e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9597e-01	6e-01	2e-01	3e-16	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2278e-01	5.1970e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9520e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9983e-01	9.9980e-01	1e-02	4e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	8e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	8e+00	1e-16	1e+00
1:	4.1145e-01	4.0932e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9662e-01	9.9409e-01	2e+00	5e-01	2e-15	6e-02



3:	9.9405e-01	9.9271e-01	1e-01	3e-02	3e-15	3e-03
4:	9.9994e-01	9.9993e-01	1e-03	3e-04	2e-16	3e-05
5:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0190e-01	4.9897e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9499e-01	1e+00	4e-01	2e-15	5e-02
3:	9.9964e-01	9.9957e-01	2e-02	5e-03	8e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	4e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1856e-01	5.1551e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9516e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9973e-01	9.9967e-01	2e-02	5e-03	9e-16	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	6e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7870e-01	6.7566e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9652e-01	9.9627e-01	1e-01	4e-02	8e-16	4e-03
3:	9.9997e-01	9.9996e-01	1e-03	4e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2298e-01	7.2047e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9730e-01	9.9720e-01	1e-01	3e-02	6e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2099e-01	7.1844e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9681e-01	9.9671e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4049e-01	6.3720e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9692e-01	9.9637e-01	3e-01	1e-01	1e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	5e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	2e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7115e-01	6.6804e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9668e-01	2e-01	5e-02	1e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	6e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6032e-01	5.5706e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9706e-01	9.9557e-01	9e-01	3e-01	7e-16	3e-02
3:	9.9994e-01	9.9993e-01	9e-03	3e-03	8e-16	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2021e-01	6.1686e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9617e-01	4e-01	1e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3271e-01	5.2958e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9718e-01	9.9530e-01	1e+00	3e-01	3e-15	4e-02
3:	9.9991e-01	9.9989e-01	1e-02	4e-03	9e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	3e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	1e-15	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2646e-01	6.2313e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9623e-01	4e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1800e-01	6.1465e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9615e-01	4e-01	1e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	5e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7630e-01	6.7323e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9676e-01	9.9650e-01	1e-01	4e-02	2e-15	4e-03
3:	9.9997e-01	9.9996e-01	1e-03	4e-04	4e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1126e-01	5.0827e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9508e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9975e-01	9.9969e-01	2e-02	5e-03	2e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	7e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	9e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4311e-01	5.3992e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9717e-01	9.9540e-01	1e+00	3e-01	4e-15	3e-02
3:	9.9994e-01	9.9991e-01	1e-02	3e-03	2e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	4e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	4e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.4590e-01	4.4345e-01	4e+00	1e+00	1e-16	2e-01
2:	9.9696e-01	9.9443e-01	2e+00	5e-01	2e-15	6e-02
3:	9.9816e-01	9.9771e-01	4e-02	1e-02	1e-15	1e-03
4:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7022e-01	6.6710e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9667e-01	2e-01	6e-02	2e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	6e-16	6e-05

4:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1983e-01	7.1727e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9727e-01	9.9717e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6172e-01	6.5854e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9659e-01	2e-01	6e-02	3e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	2e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	2e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2811e-01	5.2501e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9719e-01	9.9525e-01	1e+00	4e-01	4e-15	4e-02
3:	9.9990e-01	9.9987e-01	1e-02	4e-03	9e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	4e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	4e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6033e-01	6.5715e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9657e-01	2e-01	7e-02	3e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	5e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	2e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4424e-01	5.4105e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9713e-01	9.9541e-01	1e+00	3e-01	1e-15	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	4e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6583e-01	5.6254e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9698e-01	9.9563e-01	9e-01	3e-01	1e-15	3e-02

3:	9.9993e-01	9.9991e-01	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	4e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7118e-01	6.6807e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9668e-01	2e-01	6e-02	4e-16	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	5e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8189e-01	6.7887e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9671e-01	9.9648e-01	1e-01	5e-02	9e-16	4e-03
3:	9.9997e-01	9.9996e-01	1e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7283e-01	6.6973e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9670e-01	2e-01	5e-02	1e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6431e-01	5.6103e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9561e-01	9e-01	3e-01	1e-15	3e-02
3:	9.9995e-01	9.9994e-01	9e-03	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	9e-05	3e-05	1e-15	3e-06
5:	1.0000e+00	1.0000e+00	9e-07	3e-07	3e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6174e-01	6.5856e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9695e-01	9.9659e-01	2e-01	7e-02	7e-16	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	3e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	2e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9554e-01	6.9266e-01	5e+00	2e+00	2e-16	2e-01

2:	9.9703e-01	9.9686e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4858e-01	6.4533e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9645e-01	3e-01	1e-01	1e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	4e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	5e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2642e-01	6.2309e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9623e-01	4e-01	1e-01	5e-16	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08
6:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7019e-01	6.6707e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9667e-01	2e-01	6e-02	2e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	2e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.3263e-01	4.3030e-01	4e+00	1e+00	2e-16	2e-01
2:	9.9680e-01	9.9430e-01	2e+00	5e-01	7e-16	6e-02
3:	9.9668e-01	9.9589e-01	7e-02	2e-02	1e-15	2e-03
4:	9.9997e-01	9.9996e-01	7e-04	2e-04	4e-16	2e-05
5:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9630e-01	6.9343e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9710e-01	9.9693e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.7174e-01	4.6905e-01	5e+00	1e+00	1e-16	2e-01
2:	9.9696e-01	9.9469e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9891e-01	9.9866e-01	3e-02	8e-03	1e-15	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	8e-05	3e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	8e-07	3e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9659e-01	5.9324e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9593e-01	6e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1417e-01	5.1115e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9511e-01	1e+00	4e-01	8e-16	4e-02
3:	9.9977e-01	9.9972e-01	1e-02	5e-03	6e-16	5e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	4e-16	5e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7287e-01	6.6977e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9669e-01	2e-01	5e-02	2e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0560e-01	7.0284e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9716e-01	9.9703e-01	1e-01	4e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4235e-01	6.3907e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9693e-01	9.9639e-01	3e-01	1e-01	5e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	2e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	5e-16	9e-07

```

5: 1.0000e+00 1.0000e+00 3e-07 1e-07 3e-16 9e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.5329e-01 6.5006e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9693e-01 9.9650e-01 2e-01 7e-02 3e-16 6e-03
3: 9.9997e-01 9.9997e-01 2e-03 7e-04 5e-16 6e-05
4: 1.0000e+00 1.0000e+00 2e-05 7e-06 2e-16 6e-07
5: 1.0000e+00 1.0000e+00 2e-07 7e-08 5e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3230e+00 1.3225e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9687e+00 1.9686e+00 7e-01 2e-01 2e-15 2e-02
3: 1.9997e+00 1.9997e+00 8e-03 2e-03 6e-16 2e-04
4: 2.0000e+00 2.0000e+00 8e-05 2e-05 6e-16 2e-06
5: 2.0000e+00 2.0000e+00 8e-07 2e-07 6e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.0756e+00 1.0723e+00 5e+00 2e+00 2e-16 2e-01
2: 1.9717e+00 1.9700e+00 1e+00 4e-01 2e-15 4e-02
3: 1.9989e+00 1.9988e+00 2e-02 5e-03 2e-15 5e-04
4: 2.0000e+00 2.0000e+00 2e-04 5e-05 7e-16 5e-06
5: 2.0000e+00 2.0000e+00 2e-06 5e-07 7e-16 5e-08
6: 2.0000e+00 2.0000e+00 2e-08 5e-09 9e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 8.7516e-01 8.7180e-01 5e+00 2e+00 2e-16 2e-01
2: 1.8667e+00 1.8641e+00 2e+00 7e-01 1e-15 7e-02
3: 1.9648e+00 1.9629e+00 3e-01 9e-02 1e-15 7e-03
4: 1.9996e+00 1.9996e+00 3e-03 9e-04 5e-16 8e-05
5: 2.0000e+00 2.0000e+00 3e-05 9e-06 3e-16 8e-07
6: 2.0000e+00 2.0000e+00 3e-07 9e-08 4e-16 8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3182e+00 1.3177e+00 6e+00 2e+00 3e-16 2e-01
2: 1.9474e+00 1.9472e+00 1e+00 4e-01 3e-15 3e-02
3: 1.9994e+00 1.9994e+00 1e-02 4e-03 3e-16 3e-04
4: 2.0000e+00 2.0000e+00 1e-04 4e-05 5e-16 3e-06
5: 2.0000e+00 2.0000e+00 1e-06 4e-07 5e-16 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 8e+00 1e-16 1e+00
1: 4.9962e-01 4.9734e-01 4e+00 1e+00 2e-16 2e-01
2: 1.5758e+00 1.5738e+00 9e-01 3e-01 1e-15 3e-02

```



3:	1.8688e+00	1.8679e+00	2e-01	6e-02	8e-16	6e-03
4:	1.9100e+00	1.9097e+00	5e-02	2e-02	2e-15	2e-03
5:	1.9168e+00	1.9167e+00	1e-02	3e-03	8e-15	3e-04
6:	1.9196e+00	1.9196e+00	2e-03	7e-04	2e-15	6e-05
7:	1.9203e+00	1.9203e+00	3e-05	9e-06	3e-15	7e-07
8:	1.9203e+00	1.9203e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.8249e-01	8.7912e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8713e+00	1.8691e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9493e+00	1.9471e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9995e+00	1.9994e+00	5e-03	2e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	2e-05	2e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	2e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	2e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8160e-01	9.7826e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8985e+00	1.8962e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9889e+00	1.9884e+00	8e-02	3e-02	1e-15	2e-03
4:	1.9999e+00	1.9999e+00	8e-04	3e-04	2e-16	2e-05
5:	2.0000e+00	2.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	2.0000e+00	2.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1293e+00	1.1259e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9811e+00	1.9798e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	3e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	5.0634e-01	5.0510e-01	3e+00	1e+00	2e-16	1e-01
2:	1.7652e+00	1.7629e+00	7e-01	2e-01	1e-15	3e-02
3:	1.9126e+00	1.9118e+00	2e-01	5e-02	1e-15	6e-03
4:	1.9643e+00	1.9642e+00	3e-02	8e-03	1e-15	9e-04
5:	1.9733e+00	1.9733e+00	5e-03	2e-03	7e-15	2e-04
6:	1.9745e+00	1.9745e+00	5e-04	1e-04	9e-15	1e-05
7:	1.9747e+00	1.9747e+00	5e-06	2e-06	6e-15	2e-07
8:	1.9747e+00	1.9747e+00	5e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.1462e+00	1.1429e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9860e+00	1.9847e+00	9e-01	3e-01	3e-15	3e-02
3:	1.9998e+00	1.9998e+00	1e-02	3e-03	7e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.2592e-01	9.2259e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9882e+00	1.9868e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9840e+00	1.9831e+00	1e-01	4e-02	6e-15	3e-03
4:	1.9998e+00	1.9998e+00	1e-03	4e-04	4e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8246e-01	9.7912e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8811e+00	1.8788e+00	2e+00	7e-01	3e-15	6e-02
3:	1.9873e+00	1.9867e+00	1e-01	4e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.5711e-01	9.5374e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8877e+00	1.8853e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9852e+00	1.9845e+00	1e-01	4e-02	1e-15	3e-03
4:	1.9999e+00	1.9998e+00	1e-03	4e-04	4e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4029e+00	1.4012e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9668e+00	1.9666e+00	5e-01	2e-01	3e-15	1e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	1e-15	1e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.6717e-01	7.6452e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9119e+00	1.9095e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9378e+00	1.9351e+00	3e-01	1e-01	4e-15	9e-03
4:	1.9994e+00	1.9993e+00	4e-03	1e-03	6e-16	1e-04

5:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	8e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3816e+00	1.3790e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9936e+00	1.9934e+00	2e-01	6e-02	2e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	2e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.4557e-01	7.4315e-01	4e+00	1e+00	2e-16	2e-01
2:	1.9333e+00	1.9309e+00	1e+00	4e-01	6e-16	5e-02
3:	1.9260e+00	1.9229e+00	3e-01	1e-01	4e-15	9e-03
4:	1.9993e+00	1.9992e+00	4e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.3347e-01	9.3059e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9177e+00	1.9166e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9253e+00	1.9239e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9992e+00	1.9992e+00	7e-03	2e-03	4e-16	2e-04
5:	2.0000e+00	2.0000e+00	7e-05	2e-05	3e-16	2e-06
6:	2.0000e+00	2.0000e+00	7e-07	2e-07	3e-16	2e-08
7:	2.0000e+00	2.0000e+00	7e-09	2e-09	2e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3304e+00	1.3276e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9640e+00	1.9636e+00	5e-01	2e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	6e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2558e+00	1.2558e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9375e+00	1.9375e+00	2e+00	5e-01	2e-15	4e-02
3:	1.9991e+00	1.9991e+00	2e-02	6e-03	2e-15	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	3e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	7e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1532e+00	1.1499e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9752e+00	1.9739e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9996e+00	1.9995e+00	1e-02	4e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3110e+00	1.3080e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9663e+00	1.9658e+00	5e-01	2e-01	9e-16	2e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8271e-01	9.7936e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9080e+00	1.9057e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9904e+00	1.9899e+00	8e-02	2e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	8e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	8e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9253e-01	9.8920e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9035e+00	1.9019e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9769e+00	1.9758e+00	2e-01	6e-02	2e-15	5e-03
4:	1.9998e+00	1.9998e+00	2e-03	7e-04	3e-16	5e-05
5:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	5e-07
6:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	2e+01	8e+00	1e-16	1e+00
1:	5.5689e-01	5.5547e-01	3e+00	1e+00	2e-16	1e-01
2:	1.8662e+00	1.8640e+00	7e-01	2e-01	9e-16	2e-02
3:	1.9970e+00	1.9958e+00	3e-01	8e-02	2e-15	1e-02
4:	1.9895e+00	1.9888e+00	5e-02	2e-02	7e-15	1e-03
5:	1.9999e+00	1.9999e+00	6e-04	2e-04	2e-15	2e-05
6:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-15	2e-07
7:	2.0000e+00	2.0000e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0532e+00	1.0500e+00	5e+00	2e+00	2e-16	2e-01

2:	1.9097e+00	1.9078e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9953e+00	1.9951e+00	5e-02	1e-02	1e-15	1e-03
4:	2.0000e+00	2.0000e+00	5e-04	1e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	1e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1830e+00	1.1802e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9428e+00	1.9418e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9991e+00	1.9991e+00	2e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	4e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2090e+00	1.2061e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9222e+00	1.9212e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9990e+00	1.9989e+00	2e-02	6e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	7e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	3e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2783e+00	1.2756e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9834e+00	1.9829e+00	5e-01	2e-01	5e-16	1e-02
3:	1.9998e+00	1.9998e+00	5e-03	2e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	6e-16	1e-08
6:	2.0000e+00	2.0000e+00	5e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2071e+00	1.2070e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9206e+00	1.9205e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9942e+00	1.9942e+00	7e-02	2e-02	1e-15	2e-03
4:	1.9999e+00	1.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3748e+00	1.3720e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9918e+00	1.9916e+00	2e-01	6e-02	3e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	5e-07

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5: 2.0000e+00 2.0000e+00 2e-07 6e-08 5e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2913e+00 1.2887e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9638e+00 1.9633e+00 7e-01 2e-01 2e-15 2e-02
3: 1.9996e+00 1.9996e+00 7e-03 2e-03 4e-16 2e-04
4: 2.0000e+00 2.0000e+00 7e-05 2e-05 4e-16 2e-06
5: 2.0000e+00 2.0000e+00 7e-07 2e-07 9e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.1940e+00 1.1912e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9336e+00 1.9326e+00 1e+00 4e-01 2e-15 4e-02
3: 1.9991e+00 1.9991e+00 2e-02 5e-03 1e-15 4e-04
4: 2.0000e+00 2.0000e+00 2e-04 5e-05 9e-16 4e-06
5: 2.0000e+00 2.0000e+00 2e-06 5e-07 1e-15 4e-08
6: 2.0000e+00 2.0000e+00 2e-08 5e-09 8e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3589e+00 1.3561e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9792e+00 1.9789e+00 4e-01 1e-01 1e-15 1e-02
3: 1.9998e+00 1.9998e+00 4e-03 1e-03 8e-16 1e-04
4: 2.0000e+00 2.0000e+00 4e-05 1e-05 8e-16 1e-06
5: 2.0000e+00 2.0000e+00 4e-07 1e-07 7e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.1361e+00 1.1328e+00 5e+00 2e+00 3e-16 2e-01
2: 1.9447e+00 1.9433e+00 1e+00 4e-01 2e-15 3e-02
3: 1.9992e+00 1.9992e+00 1e-02 4e-03 1e-15 4e-04
4: 2.0000e+00 2.0000e+00 1e-04 4e-05 9e-16 4e-06
5: 2.0000e+00 2.0000e+00 1e-06 4e-07 5e-16 4e-08
6: 2.0000e+00 2.0000e+00 1e-08 4e-09 9e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2110e+00 1.2089e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9161e+00 1.9153e+00 2e+00 5e-01 5e-16 4e-02
3: 1.9987e+00 1.9987e+00 3e-02 8e-03 8e-16 7e-04
4: 2.0000e+00 2.0000e+00 3e-04 8e-05 6e-16 7e-06
5: 2.0000e+00 2.0000e+00 3e-06 8e-07 4e-16 7e-08
6: 2.0000e+00 2.0000e+00 3e-08 8e-09 6e-16 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 8.3219e-01 8.2882e-01 5e+00 2e+00 2e-16 2e-01

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2:	1.8556e+00	1.8529e+00	2e+00	7e-01	6e-16	7e-02
3:	1.9414e+00	1.9388e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9994e+00	1.9994e+00	5e-03	2e-03	6e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	2e-05	3e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1468e+00	1.1434e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9546e+00	1.9533e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9992e+00	1.9992e+00	1e-02	4e-03	2e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	4e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	1e-15	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9348e-01	7.9040e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8950e+00	1.8927e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9377e+00	1.9350e+00	3e-01	1e-01	4e-15	9e-03
4:	1.9994e+00	1.9993e+00	4e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	5e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0849e+00	1.0819e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9125e+00	1.9108e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9964e+00	1.9963e+00	4e-02	1e-02	9e-16	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	2e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0666e+00	1.0633e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9730e+00	1.9712e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9987e+00	1.9987e+00	2e-02	6e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	8e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1423e+00	1.1390e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9264e+00	1.9251e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9990e+00	1.9990e+00	2e-02	7e-03	1e-15	7e-04

4:	2.0000e+00	2.0000e+00	2e-04	7e-05	8e-16	7e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	9e-16	7e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.8224e-01	7.7960e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9092e+00	1.9069e+00	1e+00	5e-01	1e-15	5e-02
3:	1.9356e+00	1.9328e+00	3e-01	1e-01	4e-15	9e-03
4:	1.9993e+00	1.9993e+00	4e-03	1e-03	4e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4415e+00	1.4398e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9866e+00	1.9865e+00	2e-01	7e-02	3e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0954e+00	1.0921e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9368e+00	1.9351e+00	2e+00	5e-01	2e-15	4e-02
3:	1.9983e+00	1.9983e+00	2e-02	7e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	5e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	3e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3226e+00	1.3198e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9534e+00	1.9530e+00	6e-01	2e-01	5e-15	2e-02
3:	1.9995e+00	1.9995e+00	8e-03	2e-03	2e-15	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	2e-05	2e-15	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.9458e-01	7.9188e-01	5e+00	1e+00	2e-16	2e-01
2:	1.9427e+00	1.9407e+00	1e+00	4e-01	8e-16	4e-02
3:	1.9417e+00	1.9387e+00	3e-01	9e-02	2e-15	7e-03
4:	1.9994e+00	1.9994e+00	3e-03	1e-03	3e-16	9e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	9e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	4e-16	9e-09
7:	2.0000e+00	2.0000e+00	3e-09	1e-09	5e-16	9e-11

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0398e+00	1.0366e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9550e+00	1.9531e+00	1e+00	4e-01	3e-15	5e-02
3:	1.9969e+00	1.9968e+00	3e-02	9e-03	1e-15	9e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	4e-16	9e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	6e-16	9e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2673e+00	1.2642e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9733e+00	1.9726e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2360e+00	1.2337e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9272e+00	1.9264e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9991e+00	1.9991e+00	2e-02	6e-03	7e-16	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	4e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	4e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9320e+00	1.9300e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9700e+00	2.9696e+00	6e-01	2e-01	3e-15	2e-02
3:	2.9997e+00	2.9997e+00	6e-03	2e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3471e+00	1.3437e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7875e+00	2.7853e+00	2e+00	6e-01	6e-16	5e-02
3:	2.9338e+00	2.9321e+00	3e-01	9e-02	3e-15	7e-03
4:	2.9993e+00	2.9993e+00	3e-03	1e-03	4e-16	8e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9997e+00	2.0005e+00	5e+00	2e+00	2e-16	1e-01
2:	2.7609e+00	2.7611e+00	1e+00	3e-01	1e-15	2e-02
3:	2.9728e+00	2.9729e+00	3e-01	1e-01	2e-15	8e-03

4:	2.9986e+00	2.9986e+00	1e-02	3e-03	9e-15	3e-04
5:	3.0000e+00	3.0000e+00	1e-04	3e-05	6e-16	3e-06
6:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08
7:	3.0000e+00	3.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7120e+00	1.7120e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8206e+00	2.8206e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9860e+00	2.9860e+00	1e-01	4e-02	2e-15	4e-03
4:	2.9999e+00	2.9999e+00	1e-03	5e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	5e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6321e+00	1.6288e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8256e+00	2.8239e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9928e+00	2.9926e+00	5e-02	2e-02	1e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4159e+00	1.4127e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8107e+00	2.8091e+00	1e+00	4e-01	2e-15	4e-02
3:	2.8663e+00	2.8645e+00	5e-01	1e-01	3e-15	1e-02
4:	2.9976e+00	2.9976e+00	1e-02	3e-03	3e-16	3e-04
5:	3.0000e+00	3.0000e+00	1e-04	3e-05	4e-16	3e-06
6:	3.0000e+00	3.0000e+00	1e-06	3e-07	8e-16	3e-08
7:	3.0000e+00	3.0000e+00	1e-08	3e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9417e+00	1.9401e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8559e+00	2.8553e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9976e+00	2.9975e+00	3e-02	9e-03	2e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	5e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5433e+00	1.5404e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8288e+00	2.8273e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9774e+00	2.9769e+00	1e-01	4e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	5e-16	3e-05

5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3961e+00	1.3944e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8661e+00	2.8656e+00	9e-01	3e-01	5e-16	2e-02
3:	2.8806e+00	2.8801e+00	4e-01	1e-01	5e-15	1e-02
4:	2.9976e+00	2.9976e+00	1e-02	3e-03	4e-16	2e-04
5:	3.0000e+00	3.0000e+00	1e-04	3e-05	1e-15	3e-06
6:	3.0000e+00	3.0000e+00	1e-06	3e-07	7e-16	3e-08
7:	3.0000e+00	3.0000e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4138e+00	1.4107e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8916e+00	2.8903e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9472e+00	2.9460e+00	3e-01	9e-02	3e-15	7e-03
4:	2.9994e+00	2.9994e+00	3e-03	1e-03	4e-16	9e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	6e-16	9e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7602e+00	1.7572e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8359e+00	2.8345e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9973e+00	2.9973e+00	3e-02	8e-03	1e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	8e-05	6e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	8e-07	4e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6442e+00	1.6411e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8004e+00	2.7989e+00	2e+00	6e-01	8e-16	5e-02
3:	2.9830e+00	2.9825e+00	1e-01	4e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4226e+00	1.4193e+00	5e+00	2e+00	1e-16	2e-01
2:	2.7997e+00	2.7975e+00	2e+00	6e-01	1e-15	6e-02
3:	2.9584e+00	2.9567e+00	2e-01	7e-02	3e-15	6e-03
4:	2.9996e+00	2.9996e+00	3e-03	8e-04	6e-16	6e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	3e-16	6e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5388e+00	1.5355e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7764e+00	2.7749e+00	1e+00	5e-01	1e-15	4e-02
3:	2.9840e+00	2.9833e+00	3e-01	8e-02	4e-15	7e-03
4:	2.9998e+00	2.9998e+00	3e-03	9e-04	2e-15	8e-05
5:	3.0000e+00	3.0000e+00	3e-05	9e-06	1e-15	8e-07
6:	3.0000e+00	3.0000e+00	3e-07	9e-08	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5256e+00	1.5223e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7759e+00	2.7735e+00	2e+00	7e-01	8e-16	6e-02
3:	2.9820e+00	2.9813e+00	1e-01	4e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7575e+00	1.7546e+00	5e+00	2e+00	2e-16	1e-01
2:	2.8160e+00	2.8145e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9907e+00	2.9904e+00	7e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.2739e+00	1.2708e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9075e+00	2.9057e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9534e+00	2.9522e+00	2e-01	7e-02	5e-15	7e-03
4:	2.9995e+00	2.9995e+00	3e-03	1e-03	6e-16	9e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	1e-15	9e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	1e-15	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4500e+00	1.4467e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9002e+00	2.8986e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9677e+00	2.9670e+00	1e-01	4e-02	4e-15	4e-03
4:	2.9997e+00	2.9997e+00	1e-03	4e-04	4e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	6e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.5873e+00	1.5839e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8738e+00	2.8717e+00	2e+00	5e-01	4e-15	5e-02
3:	2.9903e+00	2.9900e+00	5e-02	2e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6601e+00	1.6570e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8801e+00	2.8787e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9964e+00	2.9963e+00	4e-02	1e-02	2e-15	1e-03
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	7e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5176e+00	1.5160e+00	6e+00	2e+00	2e-16	1e-01
2:	2.4153e+00	2.4148e+00	1e+00	5e-01	2e-15	4e-02
3:	2.8884e+00	2.8882e+00	5e-01	1e-01	5e-16	1e-02
4:	2.9797e+00	2.9796e+00	2e-01	6e-02	1e-15	5e-03
5:	2.9905e+00	2.9904e+00	5e-02	2e-02	1e-14	1e-03
6:	2.9999e+00	2.9999e+00	6e-04	2e-04	3e-15	1e-05
7:	3.0000e+00	3.0000e+00	6e-06	2e-06	3e-15	1e-07
8:	3.0000e+00	3.0000e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7619e+00	1.7590e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8217e+00	2.8205e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9954e+00	2.9952e+00	5e-02	2e-02	2e-15	1e-03
4:	3.0000e+00	3.0000e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4502e+00	1.4470e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8253e+00	2.8233e+00	2e+00	6e-01	9e-16	5e-02
3:	2.9615e+00	2.9609e+00	2e-01	6e-02	3e-15	5e-03
4:	2.9996e+00	2.9996e+00	2e-03	7e-04	4e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0785e+00	2.0775e+00	6e+00	2e+00	3e-16	2e-01

2:	2.9602e+00	2.9600e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	6e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6222e+00	1.6189e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9320e+00	2.9304e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9963e+00	2.9962e+00	3e-02	8e-03	2e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	8e-05	5e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	8e-07	7e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6994e+00	1.6962e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8877e+00	2.8864e+00	1e+00	5e-01	1e-15	4e-02
3:	2.9963e+00	2.9962e+00	3e-02	9e-03	2e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	7e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	7e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6474e+00	1.6441e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9091e+00	2.9076e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9975e+00	2.9974e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	7e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8496e+00	1.8466e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9191e+00	2.9180e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	7e-16	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	1e-15	4e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7264e+00	1.7231e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8780e+00	2.8765e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9962e+00	2.9962e+00	3e-02	9e-03	2e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	3e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	4e-16	8e-08

6: 3.0000e+00 3.0000e+00 3e-08 9e-09 6e-16 8e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5770e+00	1.5737e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7481e+00	2.7459e+00	2e+00	7e-01	1e-15	6e-02
3:	2.9762e+00	2.9753e+00	2e-01	5e-02	2e-15	4e-03
4:	2.9998e+00	2.9998e+00	2e-03	5e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6965e+00	1.6940e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8179e+00	2.8169e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9948e+00	2.9947e+00	5e-02	2e-02	1e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	7e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1556e+00	1.1524e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7779e+00	2.7759e+00	1e+00	4e-01	6e-16	5e-02
3:	2.9827e+00	2.9812e+00	3e-01	1e-01	4e-15	1e-02
4:	2.9993e+00	2.9993e+00	5e-03	2e-03	2e-15	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7661e+00	1.7642e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8143e+00	2.8134e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9877e+00	2.9875e+00	1e-01	3e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6106e+00	1.6077e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7590e+00	2.7572e+00	2e+00	7e-01	1e-15	6e-02
3:	2.9835e+00	2.9829e+00	1e-01	5e-02	1e-15	4e-03
4:	2.9998e+00	2.9998e+00	1e-03	5e-04	4e-16	4e-05
5:	3.0000e+00	3.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	3.0000e+00	3.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8861e+00	1.8830e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9330e+00	2.9324e+00	8e-01	2e-01	3e-15	2e-02
3:	2.9991e+00	2.9991e+00	1e-02	3e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2437e+00	1.2404e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8801e+00	2.8782e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9515e+00	2.9502e+00	2e-01	7e-02	3e-15	6e-03
4:	2.9995e+00	2.9995e+00	3e-03	8e-04	4e-16	7e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	4e-16	7e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1354e+00	2.1344e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9224e+00	2.9223e+00	7e-01	2e-01	9e-16	2e-02
3:	2.9992e+00	2.9992e+00	8e-03	3e-03	2e-15	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0083e+00	2.0076e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9434e+00	2.9433e+00	8e-01	3e-01	1e-15	2e-02
3:	2.9994e+00	2.9994e+00	9e-03	3e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	3e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6411e+00	1.6394e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8158e+00	2.8147e+00	2e+00	7e-01	2e-15	6e-02
3:	2.9907e+00	2.9906e+00	7e-02	2e-02	1e-15	2e-03
4:	2.9999e+00	2.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6463e+00	1.6453e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8257e+00	2.8252e+00	2e+00	7e-01	1e-15	6e-02
3:	2.9883e+00	2.9882e+00	8e-02	3e-02	1e-15	2e-03
4:	2.9999e+00	2.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	3e-06	4e-16	2e-07



6:	3.0000e+00	3.0000e+00	8e-08	3e-08	4e-16	2e-09
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0188e+00	2.0179e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9419e+00	2.9418e+00	7e-01	2e-01	2e-15	2e-02
3:	2.9994e+00	2.9994e+00	7e-03	2e-03	9e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	9e-16	2e-08
6:	3.0000e+00	3.0000e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5667e+00	1.5668e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9055e+00	2.9055e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9666e+00	2.9666e+00	2e-01	6e-02	3e-15	5e-03
4:	2.9997e+00	2.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6509e+00	1.6492e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8277e+00	2.8270e+00	2e+00	6e-01	7e-16	5e-02
3:	2.9900e+00	2.9899e+00	7e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3190e+00	1.3173e+00	5e+00	2e+00	2e-16	1e-01
2:	2.5997e+00	2.5989e+00	1e+00	5e-01	7e-16	4e-02
3:	2.9527e+00	2.9525e+00	3e-01	1e-01	1e-15	9e-03
4:	2.9671e+00	2.9670e+00	1e-01	4e-02	1e-14	3e-03
5:	2.9995e+00	2.9995e+00	2e-03	7e-04	6e-16	5e-05
6:	3.0000e+00	3.0000e+00	2e-05	7e-06	3e-15	5e-07
7:	3.0000e+00	3.0000e+00	2e-07	7e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9497e+00	1.9472e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8926e+00	2.8920e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9987e+00	2.9987e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	8e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9949e+00	1.9921e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9716e+00	2.9712e+00	4e-01	1e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	1e-15	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6950e+00	1.6926e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8918e+00	2.8909e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9977e+00	2.9976e+00	2e-02	7e-03	9e-16	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	6e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	5e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0950e+00	2.0942e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9510e+00	2.9509e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9995e+00	2.9995e+00	7e-03	2e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7381e+00	1.7350e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8205e+00	2.8191e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9962e+00	2.9961e+00	4e-02	1e-02	2e-15	9e-04
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	5e-16	9e-06
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	5e-16	9e-08
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8567e+00	1.8536e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9131e+00	2.9122e+00	9e-01	3e-01	2e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7332e+00	1.7302e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4029e+00	3.4011e+00	2e+00	6e-01	1e-15	6e-02
3:	3.8866e+00	3.8856e+00	6e-01	2e-01	8e-16	2e-02
4:	3.9632e+00	3.9626e+00	1e-01	5e-02	4e-15	4e-03

5:	3.9995e+00	3.9995e+00	3e-03	8e-04	5e-16	6e-05
6:	4.0000e+00	4.0000e+00	3e-05	8e-06	1e-15	7e-07
7:	4.0000e+00	4.0000e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7278e+00	2.7255e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9568e+00	3.9564e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9996e+00	3.9996e+00	5e-03	2e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9338e+00	1.9309e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8189e+00	3.8177e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9498e+00	3.9492e+00	2e-01	6e-02	5e-15	5e-03
4:	3.9995e+00	3.9995e+00	2e-03	6e-04	4e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9491e+00	1.9482e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6127e+00	3.6123e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9380e+00	3.9378e+00	7e-01	2e-01	1e-15	2e-02
4:	3.9930e+00	3.9930e+00	3e-02	1e-02	3e-15	8e-04
5:	3.9999e+00	3.9999e+00	3e-04	1e-04	9e-16	8e-06
6:	4.0000e+00	4.0000e+00	3e-06	1e-06	3e-16	8e-08
7:	4.0000e+00	4.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9414e+00	1.9385e+00	6e+00	2e+00	4e-16	2e-01
2:	3.8613e+00	3.8602e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9641e+00	3.9636e+00	2e-01	6e-02	3e-15	5e-03
4:	3.9996e+00	3.9996e+00	2e-03	6e-04	5e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	7e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6842e+00	2.6821e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9180e+00	3.9176e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9991e+00	3.9991e+00	8e-03	3e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8461e+00	1.8428e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6556e+00	3.6538e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9575e+00	3.9563e+00	5e-01	1e-01	5e-15	1e-02
4:	3.9936e+00	3.9935e+00	3e-02	9e-03	5e-15	7e-04
5:	3.9999e+00	3.9999e+00	3e-04	9e-05	8e-16	8e-06
6:	4.0000e+00	4.0000e+00	3e-06	9e-07	1e-15	8e-08
7:	4.0000e+00	4.0000e+00	3e-08	9e-09	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0492e+00	1.0460e+00	5e+00	2e+00	3e-16	2e-01
2:	2.5701e+00	2.5678e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9243e+00	2.9232e+00	3e-01	1e-01	9e-16	1e-02
4:	3.0414e+00	3.0412e+00	6e-02	2e-02	1e-15	2e-03
5:	3.0609e+00	3.0609e+00	8e-03	2e-03	1e-15	2e-04
6:	3.0637e+00	3.0637e+00	2e-04	5e-05	1e-15	5e-06
7:	3.0637e+00	3.0637e+00	2e-06	5e-07	2e-15	5e-08
8:	3.0637e+00	3.0637e+00	2e-08	5e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4348e+00	2.4357e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8576e+00	3.8579e+00	2e+00	5e-01	7e-16	4e-02
3:	3.9907e+00	3.9907e+00	5e-02	2e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8963e+00	1.8934e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7428e+00	3.7416e+00	1e+00	3e-01	5e-16	3e-02
3:	3.9540e+00	3.9531e+00	3e-01	1e-01	2e-15	8e-03
4:	3.9995e+00	3.9995e+00	5e-03	2e-03	2e-15	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	2e-15	1e-08
7:	4.0000e+00	4.0000e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6348e+00	2.6325e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8768e+00	3.8763e+00	9e-01	3e-01	2e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	2e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0179e+00	2.0164e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7093e+00	3.7087e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9567e+00	3.9565e+00	2e-01	5e-02	4e-15	4e-03
4:	3.9996e+00	3.9996e+00	2e-03	6e-04	3e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4348e+00	2.4337e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7627e+00	3.7622e+00	2e+00	6e-01	7e-16	5e-02
3:	3.9886e+00	3.9885e+00	7e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5762e+00	1.5728e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6238e+00	3.6224e+00	1e+00	3e-01	3e-15	3e-02
3:	3.9643e+00	3.9639e+00	2e-01	7e-02	1e-15	7e-03
4:	3.9791e+00	3.9788e+00	6e-02	2e-02	1e-14	2e-03
5:	3.9998e+00	3.9998e+00	9e-04	3e-04	1e-15	2e-05
6:	4.0000e+00	4.0000e+00	9e-06	3e-06	3e-15	2e-07
7:	4.0000e+00	4.0000e+00	9e-08	3e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1446e+00	2.1417e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7883e+00	3.7870e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9723e+00	3.9718e+00	2e-01	5e-02	2e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	1e-15	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	1e-15	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.3645e+00	1.3616e+00	5e+00	1e+00	3e-16	2e-01
2:	3.2277e+00	3.2259e+00	1e+00	4e-01	2e-15	4e-02
3:	3.6188e+00	3.6181e+00	4e-01	1e-01	1e-15	1e-02
4:	3.7021e+00	3.7016e+00	1e-01	4e-02	2e-15	4e-03
5:	3.7407e+00	3.7406e+00	2e-02	5e-03	2e-15	5e-04
6:	3.7451e+00	3.7451e+00	6e-03	2e-03	1e-15	2e-04
7:	3.7467e+00	3.7467e+00	8e-05	3e-05	2e-15	2e-06
8:	3.7467e+00	3.7467e+00	8e-07	3e-07	3e-15	2e-08
9:	3.7467e+00	3.7467e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5227e+00	1.5194e+00	5e+00	2e+00	3e-16	2e-01
2:	3.3856e+00	3.3841e+00	1e+00	4e-01	8e-16	4e-02
3:	3.7661e+00	3.7658e+00	2e-01	6e-02	3e-15	6e-03
4:	3.8198e+00	3.8197e+00	6e-02	2e-02	3e-15	2e-03
5:	3.8292e+00	3.8291e+00	2e-02	7e-03	1e-14	6e-04
6:	3.8358e+00	3.8357e+00	4e-03	1e-03	3e-15	1e-04
7:	3.8364e+00	3.8364e+00	2e-03	5e-04	9e-14	4e-05
8:	3.8369e+00	3.8369e+00	1e-04	4e-05	8e-15	3e-06
9:	3.8369e+00	3.8369e+00	1e-06	4e-07	3e-14	3e-08
10:	3.8369e+00	3.8369e+00	1e-08	4e-09	5e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9355e+00	1.9334e+00	6e+00	2e+00	1e-16	2e-01
2:	3.8412e+00	3.8404e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9015e+00	3.9007e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9989e+00	3.9989e+00	6e-03	2e-03	4e-16	2e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	6e-16	2e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2003e+00	2.1995e+00	6e+00	2e+00	3e-16	1e-01
2:	3.7798e+00	3.7794e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9704e+00	3.9703e+00	1e-01	5e-02	2e-15	4e-03
4:	3.9997e+00	3.9997e+00	1e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	1e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1652e+00	2.1643e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8342e+00	3.8339e+00	1e+00	4e-01	2e-15	3e-02
3:	3.8845e+00	3.8842e+00	5e-01	2e-01	2e-15	1e-02
4:	3.9985e+00	3.9985e+00	9e-03	3e-03	6e-16	2e-04
5:	4.0000e+00	4.0000e+00	9e-05	3e-05	9e-16	2e-06
6:	4.0000e+00	4.0000e+00	9e-07	3e-07	7e-16	2e-08
7:	4.0000e+00	4.0000e+00	9e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0831e+00	2.0820e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7324e+00	3.7318e+00	2e+00	6e-01	9e-16	5e-02
3:	3.9503e+00	3.9500e+00	2e-01	8e-02	2e-15	6e-03
4:	3.9995e+00	3.9995e+00	3e-03	8e-04	4e-16	6e-05

5:	4.0000e+00	4.0000e+00	3e-05	8e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	3e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1879e+00	2.1884e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8633e+00	3.8634e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9744e+00	3.9744e+00	1e-01	4e-02	2e-15	3e-03
4:	3.9997e+00	3.9997e+00	1e-03	4e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	2e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7455e+00	1.7422e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7096e+00	3.7078e+00	1e+00	5e-01	2e-15	4e-02
3:	3.8187e+00	3.8162e+00	7e-01	2e-01	2e-15	2e-02
4:	3.9975e+00	3.9974e+00	2e-02	6e-03	8e-16	5e-04
5:	4.0000e+00	4.0000e+00	2e-04	6e-05	9e-16	5e-06
6:	4.0000e+00	4.0000e+00	2e-06	6e-07	9e-16	5e-08
7:	4.0000e+00	4.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1575e+00	2.1551e+00	6e+00	2e+00	1e-16	2e-01
2:	3.6478e+00	3.6462e+00	2e+00	7e-01	8e-16	6e-02
3:	3.9475e+00	3.9467e+00	3e-01	9e-02	1e-15	8e-03
4:	3.9995e+00	3.9994e+00	3e-03	1e-03	4e-16	8e-05
5:	4.0000e+00	4.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	4.0000e+00	4.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0881e+00	2.0850e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7725e+00	3.7708e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9830e+00	3.9826e+00	9e-02	3e-02	2e-15	2e-03
4:	3.9998e+00	3.9998e+00	9e-04	3e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2451e+00	2.2438e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8786e+00	3.8781e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9855e+00	3.9854e+00	8e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	8e-04	2e-04	5e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5865e+00	1.5831e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8526e+00	3.8511e+00	9e-01	3e-01	2e-15	3e-02
3:	3.9054e+00	3.9039e+00	3e-01	9e-02	7e-15	8e-03
4:	3.9989e+00	3.9989e+00	5e-03	2e-03	9e-16	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	2e-15	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6334e+00	1.6308e+00	5e+00	2e+00	3e-16	1e-01
2:	3.8749e+00	3.8739e+00	1e+00	3e-01	2e-15	3e-02
3:	3.8810e+00	3.8802e+00	4e-01	1e-01	5e-15	1e-02
4:	3.9985e+00	3.9985e+00	8e-03	3e-03	9e-16	2e-04
5:	4.0000e+00	4.0000e+00	8e-05	3e-05	1e-15	2e-06
6:	4.0000e+00	4.0000e+00	8e-07	3e-07	1e-15	2e-08
7:	4.0000e+00	4.0000e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7867e+00	1.7836e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6072e+00	3.6058e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9454e+00	3.9447e+00	6e-01	2e-01	9e-16	2e-02
4:	3.9828e+00	3.9824e+00	8e-02	3e-02	6e-15	2e-03
5:	3.9998e+00	3.9998e+00	8e-04	3e-04	8e-16	2e-05
6:	4.0000e+00	4.0000e+00	8e-06	3e-06	6e-16	2e-07
7:	4.0000e+00	4.0000e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8960e+00	1.8927e+00	5e+00	2e+00	1e-16	2e-01
2:	3.5404e+00	3.5387e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9155e+00	3.9150e+00	3e-01	8e-02	1e-15	8e-03
4:	3.9897e+00	3.9894e+00	1e-01	3e-02	2e-15	3e-03
5:	3.9945e+00	3.9944e+00	2e-02	6e-03	2e-14	5e-04
6:	3.9999e+00	3.9999e+00	2e-04	7e-05	2e-15	5e-06
7:	4.0000e+00	4.0000e+00	2e-06	7e-07	4e-15	5e-08
8:	4.0000e+00	4.0000e+00	2e-08	7e-09	6e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9576e+00	1.9543e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8508e+00	3.8494e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9716e+00	3.9709e+00	1e-01	5e-02	4e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	5e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07



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6: 4.0000e+00 4.0000e+00 2e-07 5e-08 4e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.6747e+00 2.6730e+00 6e+00 2e+00 2e-16 2e-01
2: 3.8262e+00 3.8257e+00 1e+00 4e-01 8e-16 4e-02
3: 3.9975e+00 3.9975e+00 2e-02 6e-03 1e-15 5e-04
4: 4.0000e+00 4.0000e+00 2e-04 6e-05 4e-16 5e-06
5: 4.0000e+00 4.0000e+00 2e-06 6e-07 6e-16 5e-08
6: 4.0000e+00 4.0000e+00 2e-08 6e-09 8e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.8340e+00 1.8308e+00 5e+00 2e+00 2e-16 2e-01
2: 3.6658e+00 3.6645e+00 1e+00 3e-01 2e-15 3e-02
3: 3.9409e+00 3.9401e+00 5e-01 1e-01 1e-15 1e-02
4: 3.9639e+00 3.9632e+00 1e-01 5e-02 6e-15 4e-03
5: 3.9996e+00 3.9996e+00 2e-03 7e-04 8e-16 5e-05
6: 4.0000e+00 4.0000e+00 2e-05 7e-06 2e-15 5e-07
7: 4.0000e+00 4.0000e+00 2e-07 7e-08 9e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.4141e+00 2.4126e+00 6e+00 2e+00 2e-16 2e-01
2: 3.8411e+00 3.8407e+00 1e+00 5e-01 2e-15 4e-02
3: 3.9969e+00 3.9969e+00 2e-02 7e-03 1e-15 6e-04
4: 4.0000e+00 4.0000e+00 2e-04 7e-05 8e-16 6e-06
5: 4.0000e+00 4.0000e+00 2e-06 7e-07 8e-16 6e-08
6: 4.0000e+00 4.0000e+00 2e-08 7e-09 5e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.8918e+00 1.8885e+00 5e+00 2e+00 2e-16 2e-01
2: 3.3866e+00 3.3846e+00 2e+00 5e-01 2e-15 5e-02
3: 3.9071e+00 3.9067e+00 3e-01 8e-02 1e-15 7e-03
4: 3.9877e+00 3.9876e+00 7e-02 2e-02 1e-15 2e-03
5: 3.9887e+00 3.9885e+00 3e-02 1e-02 5e-14 9e-04
6: 3.9999e+00 3.9999e+00 5e-04 1e-04 1e-15 1e-05
7: 4.0000e+00 4.0000e+00 5e-06 1e-06 9e-15 1e-07
8: 4.0000e+00 4.0000e+00 5e-08 1e-08 8e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.0078e+00 2.0047e+00 5e+00 2e+00 2e-16 2e-01
2: 3.6806e+00 3.6789e+00 2e+00 5e-01 2e-15 5e-02
3: 3.9401e+00 3.9389e+00 3e-01 1e-01 3e-15 8e-03
4: 3.9994e+00 3.9993e+00 4e-03 1e-03 5e-16 1e-04
5: 4.0000e+00 4.0000e+00 4e-05 1e-05 4e-16 1e-06

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6:  4.0000e+00  4.0000e+00  4e-07  1e-07  6e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.0646e+00  2.0646e+00  6e+00  2e+00  3e-16  2e-01
2:  3.8246e+00  3.8246e+00  2e+00  5e-01  8e-16  4e-02
3:  3.9564e+00  3.9564e+00  2e-01  5e-02  3e-15  4e-03
4:  3.9996e+00  3.9996e+00  2e-03  5e-04  3e-16  4e-05
5:  4.0000e+00  4.0000e+00  2e-05  5e-06  4e-16  4e-07
6:  4.0000e+00  4.0000e+00  2e-07  5e-08  3e-16  4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  1.8530e+00  1.8527e+00  6e+00  2e+00  2e-16  2e-01
2:  3.6717e+00  3.6717e+00  1e+00  3e-01  1e-15  3e-02
3:  3.9752e+00  3.9751e+00  3e-01  8e-02  9e-16  7e-03
4:  3.9602e+00  3.9602e+00  1e-01  4e-02  2e-14  3e-03
5:  3.9993e+00  3.9993e+00  3e-03  8e-04  9e-16  6e-05
6:  4.0000e+00  4.0000e+00  3e-05  8e-06  4e-15  6e-07
7:  4.0000e+00  4.0000e+00  3e-07  8e-08  2e-15  6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.1749e+00  2.1727e+00  6e+00  2e+00  3e-16  2e-01
2:  3.6635e+00  3.6622e+00  2e+00  7e-01  8e-16  6e-02
3:  3.9340e+00  3.9332e+00  4e-01  1e-01  1e-15  9e-03
4:  3.9993e+00  3.9993e+00  4e-03  1e-03  4e-16  1e-04
5:  4.0000e+00  4.0000e+00  4e-05  1e-05  3e-16  1e-06
6:  4.0000e+00  4.0000e+00  4e-07  1e-07  5e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.6854e+00  2.6837e+00  6e+00  2e+00  2e-16  2e-01
2:  3.8957e+00  3.8953e+00  8e-01  3e-01  2e-15  2e-02
3:  3.9988e+00  3.9988e+00  9e-03  3e-03  1e-15  2e-04
4:  4.0000e+00  4.0000e+00  9e-05  3e-05  1e-15  2e-06
5:  4.0000e+00  4.0000e+00  9e-07  3e-07  2e-15  2e-08
6:  4.0000e+00  4.0000e+00  9e-09  3e-09  1e-15  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  3e+01  1e+01  1e-16  1e+00
1:  1.8995e+00  1.8961e+00  5e+00  2e+00  2e-16  2e-01
2:  3.7335e+00  3.7314e+00  2e+00  5e-01  1e-15  5e-02
3:  3.9641e+00  3.9632e+00  2e-01  6e-02  3e-15  5e-03
4:  3.9996e+00  3.9996e+00  2e-03  6e-04  5e-16  5e-05
5:  4.0000e+00  4.0000e+00  2e-05  6e-06  4e-16  5e-07
6:  4.0000e+00  4.0000e+00  2e-07  6e-08  5e-16  5e-09
Optimal solution found.

```

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9187e+00	1.9166e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7918e+00	3.7910e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9265e+00	3.9259e+00	3e-01	1e-01	3e-15	8e-03
4:	3.9992e+00	3.9992e+00	4e-03	1e-03	4e-16	1e-04
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	6e-16	1e-06
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	5e-16	1e-08
7:	4.0000e+00	4.0000e+00	4e-09	1e-09	7e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0346e+00	2.0314e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8397e+00	3.8384e+00	1e+00	5e-01	2e-15	4e-02
3:	3.9742e+00	3.9738e+00	1e-01	4e-02	4e-15	3e-03
4:	3.9997e+00	3.9997e+00	1e-03	4e-04	7e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9771e+00	1.9768e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7225e+00	3.7224e+00	1e+00	3e-01	9e-16	3e-02
3:	3.9063e+00	3.9062e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9988e+00	3.9988e+00	8e-03	3e-03	2e-15	2e-04
5:	4.0000e+00	4.0000e+00	8e-05	3e-05	1e-15	2e-06
6:	4.0000e+00	4.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2162e+00	2.2157e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8321e+00	3.8319e+00	2e+00	6e-01	1e-15	4e-02
3:	3.9899e+00	3.9899e+00	6e-02	2e-02	1e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0893e+00	2.0883e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8718e+00	3.8715e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9050e+00	3.9047e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9989e+00	3.9989e+00	6e-03	2e-03	3e-16	1e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	5e-16	1e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	2.3935e+00	2.3905e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8385e+00	3.8376e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9599e+00	3.9596e+00	1e-01	5e-02	5e-15	4e-03
4:	3.9996e+00	3.9996e+00	2e-03	5e-04	7e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4632e+00	1.4605e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4404e+00	3.4393e+00	1e+00	4e-01	1e-15	3e-02
3:	3.6491e+00	3.6485e+00	4e-01	1e-01	8e-16	1e-02
4:	3.7762e+00	3.7761e+00	5e-02	2e-02	1e-15	1e-03
5:	3.7935e+00	3.7935e+00	1e-02	4e-03	2e-15	3e-04
6:	3.7969e+00	3.7969e+00	1e-03	4e-04	3e-15	4e-05
7:	3.7974e+00	3.7974e+00	2e-05	5e-06	1e-15	4e-07
8:	3.7974e+00	3.7974e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5054e+00	2.5042e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7717e+00	3.7710e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9937e+00	3.9936e+00	5e-02	2e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3689e+00	1.3661e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8060e+00	2.8049e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9760e+00	2.9752e+00	4e-01	1e-01	4e-15	1e-02
4:	3.1129e+00	3.1126e+00	1e-01	4e-02	9e-16	3e-03
5:	3.1376e+00	3.1375e+00	3e-02	9e-03	1e-15	8e-04
6:	3.1462e+00	3.1462e+00	4e-03	1e-03	8e-16	1e-04
7:	3.1476e+00	3.1476e+00	6e-05	2e-05	2e-15	2e-06
8:	3.1476e+00	3.1476e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5310e+00	2.5309e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4782e+00	4.4781e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9314e+00	4.9314e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9623e+00	4.9622e+00	1e-01	4e-02	7e-15	3e-03
5:	4.9996e+00	4.9996e+00	2e-03	5e-04	6e-16	4e-05
6:	5.0000e+00	5.0000e+00	2e-05	5e-06	2e-15	4e-07
7:	5.0000e+00	5.0000e+00	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4779e+00	2.4759e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7458e+00	4.7449e+00	2e+00	5e-01	9e-16	5e-02
3:	4.9457e+00	4.9453e+00	2e-01	7e-02	3e-15	5e-03
4:	4.9994e+00	4.9994e+00	2e-03	7e-04	4e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8206e+00	2.8198e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3505e+00	4.3503e+00	1e+00	4e-01	9e-16	4e-02
3:	4.9031e+00	4.9030e+00	3e-01	9e-02	1e-15	7e-03
4:	4.9888e+00	4.9888e+00	9e-02	3e-02	4e-15	2e-03
5:	4.9971e+00	4.9971e+00	9e-03	3e-03	3e-14	2e-04
6:	5.0000e+00	5.0000e+00	9e-05	3e-05	6e-15	2e-06
7:	5.0000e+00	5.0000e+00	9e-07	3e-07	3e-15	2e-08
8:	5.0000e+00	5.0000e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4970e+00	2.4942e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5821e+00	4.5803e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9104e+00	4.9089e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9989e+00	4.9989e+00	7e-03	2e-03	6e-16	2e-04
5:	5.0000e+00	5.0000e+00	7e-05	2e-05	8e-16	2e-06
6:	5.0000e+00	5.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0924e+00	2.0915e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5100e+00	4.5096e+00	2e+00	5e-01	8e-16	4e-02
3:	4.8915e+00	4.8912e+00	6e-01	2e-01	2e-15	1e-02
4:	4.9782e+00	4.9781e+00	9e-02	3e-02	4e-15	2e-03
5:	4.9998e+00	4.9998e+00	1e-03	3e-04	1e-15	3e-05
6:	5.0000e+00	5.0000e+00	1e-05	3e-06	2e-15	3e-07
7:	5.0000e+00	5.0000e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7355e+00	2.7348e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7800e+00	4.7798e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9744e+00	4.9744e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4964e+00	2.4973e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5839e+00	4.5842e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9400e+00	4.9401e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9847e+00	4.9847e+00	5e-02	2e-02	6e-15	1e-03
5:	4.9998e+00	4.9998e+00	6e-04	2e-04	7e-16	1e-05
6:	5.0000e+00	5.0000e+00	6e-06	2e-06	8e-16	1e-07
7:	5.0000e+00	5.0000e+00	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4970e+00	2.4939e+00	5e+00	2e+00	2e-16	2e-01
2:	4.7245e+00	4.7232e+00	1e+00	4e-01	1e-15	4e-02
3:	4.8624e+00	4.8607e+00	4e-01	1e-01	4e-15	1e-02
4:	4.9985e+00	4.9984e+00	6e-03	2e-03	4e-16	1e-04
5:	5.0000e+00	5.0000e+00	6e-05	2e-05	5e-16	1e-06
6:	5.0000e+00	5.0000e+00	6e-07	2e-07	6e-16	1e-08
7:	5.0000e+00	5.0000e+00	6e-09	2e-09	6e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2228e+00	3.2225e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7152e+00	4.7151e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9931e+00	4.9931e+00	4e-02	1e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8562e+00	2.8542e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5713e+00	4.5706e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9571e+00	4.9569e+00	3e-01	8e-02	5e-15	7e-03
4:	4.9993e+00	4.9992e+00	4e-03	1e-03	3e-15	1e-04
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	4e-15	1e-06
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6537e+00	2.6507e+00	5e+00	2e+00	2e-16	2e-01
2:	4.6905e+00	4.6891e+00	2e+00	5e-01	3e-15	4e-02
3:	4.9614e+00	4.9607e+00	2e-01	6e-02	3e-15	5e-03
4:	4.9996e+00	4.9996e+00	2e-03	6e-04	5e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5001e+00	2.4993e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5653e+00	4.5649e+00	2e+00	6e-01	7e-16	5e-02
3:	4.8911e+00	4.8909e+00	8e-01	2e-01	1e-15	2e-02
4:	4.9878e+00	4.9878e+00	5e-02	2e-02	2e-15	1e-03
5:	4.9999e+00	4.9999e+00	5e-04	2e-04	1e-15	1e-05
6:	5.0000e+00	5.0000e+00	5e-06	2e-06	8e-16	1e-07
7:	5.0000e+00	5.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7554e+00	1.7522e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7831e+00	3.7816e+00	1e+00	4e-01	1e-15	3e-02
3:	4.2057e+00	4.2053e+00	2e-01	7e-02	1e-15	6e-03
4:	4.2616e+00	4.2615e+00	5e-02	2e-02	1e-15	1e-03
5:	4.2782e+00	4.2782e+00	1e-02	3e-03	9e-16	3e-04
6:	4.2819e+00	4.2819e+00	5e-04	2e-04	5e-15	1e-05
7:	4.2820e+00	4.2820e+00	6e-06	2e-06	1e-15	1e-07
8:	4.2820e+00	4.2820e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0038e+00	2.0005e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7414e+00	3.7395e+00	1e+00	5e-01	3e-15	4e-02
3:	4.1667e+00	4.1661e+00	4e-01	1e-01	1e-15	1e-02
4:	4.2398e+00	4.2395e+00	1e-01	4e-02	2e-15	3e-03
5:	4.2792e+00	4.2791e+00	3e-02	9e-03	6e-16	8e-04
6:	4.2888e+00	4.2888e+00	6e-04	2e-04	1e-15	2e-05
7:	4.2890e+00	4.2890e+00	6e-06	2e-06	5e-16	2e-07
8:	4.2890e+00	4.2890e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4490e+00	2.4504e+00	7e+00	2e+00	2e-16	2e-01
2:	4.5198e+00	4.5203e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9367e+00	4.9369e+00	6e-01	2e-01	8e-16	1e-02
4:	4.9793e+00	4.9794e+00	8e-02	3e-02	3e-15	2e-03
5:	4.9998e+00	4.9998e+00	9e-04	3e-04	9e-16	2e-05
6:	5.0000e+00	5.0000e+00	9e-06	3e-06	8e-16	2e-07
7:	5.0000e+00	5.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1666e+00	2.1637e+00	5e+00	2e+00	2e-16	1e-01
2:	4.6275e+00	4.6261e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9519e+00	4.9514e+00	4e-01	1e-01	3e-15	1e-02
4:	4.9848e+00	4.9847e+00	5e-02	2e-02	9e-15	1e-03
5:	4.9998e+00	4.9998e+00	5e-04	2e-04	6e-16	1e-05

6:	5.0000e+00	5.0000e+00	5e-06	2e-06	9e-16	1e-07
7:	5.0000e+00	5.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6874e+00	2.6873e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7046e+00	4.7045e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9755e+00	4.9755e+00	1e-01	3e-02	3e-15	3e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6482e+00	2.6498e+00	6e+00	2e+00	2e-16	1e-01
2:	4.7658e+00	4.7663e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9437e+00	4.9438e+00	2e-01	6e-02	4e-15	5e-03
4:	4.9994e+00	4.9994e+00	2e-03	6e-04	5e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0083e+00	3.0069e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7821e+00	4.7816e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9905e+00	4.9904e+00	5e-02	1e-02	3e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	1e-04	6e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	1e-06	7e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7411e+00	2.7387e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7557e+00	4.7546e+00	2e+00	5e-01	2e-15	5e-02
3:	4.9900e+00	4.9899e+00	5e-02	2e-02	3e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5276e+00	2.5259e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7602e+00	4.7596e+00	1e+00	4e-01	3e-15	4e-02
3:	4.9191e+00	4.9188e+00	3e-01	9e-02	2e-15	7e-03
4:	4.9992e+00	4.9991e+00	3e-03	1e-03	4e-16	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2488e+00	3.2471e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9369e+00	4.9366e+00	7e-01	2e-01	1e-15	2e-02
3:	4.9993e+00	4.9993e+00	7e-03	2e-03	2e-15	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2720e+00	3.2721e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7156e+00	4.7156e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9834e+00	4.9834e+00	9e-02	3e-02	3e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1429e+00	3.1439e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7568e+00	4.7571e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9898e+00	4.9898e+00	5e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.0787e+00	3.0757e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8327e+00	4.8318e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9974e+00	4.9973e+00	2e-02	5e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	8e-16	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8790e+00	1.8775e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7074e+00	3.7068e+00	1e+00	4e-01	1e-15	4e-02
3:	4.0250e+00	4.0248e+00	2e-01	7e-02	9e-16	6e-03
4:	4.1001e+00	4.1000e+00	5e-02	2e-02	6e-16	1e-03
5:	4.1151e+00	4.1151e+00	8e-03	3e-03	2e-15	2e-04
6:	4.1176e+00	4.1176e+00	3e-04	9e-05	3e-15	8e-06
7:	4.1177e+00	4.1177e+00	3e-06	1e-06	5e-15	8e-08
8:	4.1177e+00	4.1177e+00	3e-08	1e-08	4e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	1.9345e+00	1.9314e+00	5e+00	2e+00	3e-16	2e-01
2:	4.1911e+00	4.1892e+00	9e-01	3e-01	2e-15	3e-02
3:	4.4746e+00	4.4737e+00	3e-01	9e-02	9e-16	9e-03
4:	4.5170e+00	4.5165e+00	1e-01	3e-02	5e-15	3e-03
5:	4.5509e+00	4.5509e+00	4e-03	1e-03	1e-15	1e-04
6:	4.5524e+00	4.5524e+00	4e-05	1e-05	5e-16	1e-06
7:	4.5524e+00	4.5524e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9481e+00	1.9488e+00	7e+00	2e+00	2e-16	2e-01
2:	4.0421e+00	4.0424e+00	2e+00	5e-01	9e-16	4e-02
3:	4.5391e+00	4.5392e+00	4e-01	1e-01	1e-15	9e-03
4:	4.6058e+00	4.6058e+00	9e-02	3e-02	1e-15	2e-03
5:	4.6338e+00	4.6338e+00	2e-02	5e-03	1e-15	4e-04
6:	4.6382e+00	4.6382e+00	8e-04	3e-04	2e-15	2e-05
7:	4.6385e+00	4.6385e+00	8e-06	3e-06	1e-15	2e-07
8:	4.6385e+00	4.6385e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0933e+00	2.0913e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9049e+00	3.9042e+00	1e+00	4e-01	1e-15	3e-02
3:	4.3114e+00	4.3112e+00	3e-01	8e-02	1e-15	7e-03
4:	4.4010e+00	4.4010e+00	2e-02	7e-03	2e-15	6e-04
5:	4.4084e+00	4.4084e+00	3e-03	1e-03	1e-14	9e-05
6:	4.4092e+00	4.4092e+00	2e-04	5e-05	4e-14	4e-06
7:	4.4093e+00	4.4093e+00	5e-05	2e-05	1e-14	1e-06
8:	4.4093e+00	4.4093e+00	5e-07	2e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3455e+00	2.3439e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6643e+00	4.6638e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9435e+00	4.9433e+00	4e-01	1e-01	1e-15	1e-02
4:	4.9784e+00	4.9783e+00	7e-02	2e-02	9e-15	2e-03
5:	4.9997e+00	4.9997e+00	1e-03	3e-04	8e-16	3e-05
6:	5.0000e+00	5.0000e+00	1e-05	3e-06	1e-15	3e-07
7:	5.0000e+00	5.0000e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8606e+00	2.8612e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7678e+00	4.7680e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9805e+00	4.9805e+00	1e-01	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	7e-16	2e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	6e-16	2e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3723e+00	3.3716e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9088e+00	4.9087e+00	6e-01	2e-01	3e-15	2e-02
3:	4.9991e+00	4.9991e+00	6e-03	2e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6984e+00	1.6950e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4965e+00	3.4947e+00	1e+00	4e-01	1e-15	4e-02
3:	3.7989e+00	3.7982e+00	3e-01	1e-01	3e-15	1e-02
4:	3.9264e+00	3.9260e+00	1e-01	3e-02	9e-16	3e-03
5:	3.9429e+00	3.9427e+00	4e-02	1e-02	2e-15	1e-03
6:	3.9566e+00	3.9566e+00	2e-03	5e-04	7e-16	4e-05
7:	3.9571e+00	3.9571e+00	2e-05	5e-06	1e-15	4e-07
8:	3.9571e+00	3.9571e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8062e+00	2.8050e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7376e+00	4.7372e+00	1e+00	3e-01	2e-15	3e-02
3:	4.8879e+00	4.8876e+00	4e-01	1e-01	3e-15	9e-03
4:	4.9978e+00	4.9978e+00	9e-03	3e-03	4e-16	2e-04
5:	5.0000e+00	5.0000e+00	9e-05	3e-05	8e-16	2e-06
6:	5.0000e+00	5.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3568e+00	2.3600e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9544e+00	3.9554e+00	1e+00	5e-01	1e-15	4e-02
3:	4.2567e+00	4.2570e+00	4e-01	1e-01	6e-16	9e-03
4:	4.3587e+00	4.3587e+00	6e-02	2e-02	7e-16	2e-03
5:	4.3729e+00	4.3729e+00	2e-02	5e-03	1e-15	4e-04
6:	4.3782e+00	4.3782e+00	4e-03	1e-03	9e-16	1e-04
7:	4.3795e+00	4.3795e+00	2e-04	5e-05	5e-15	4e-06
8:	4.3795e+00	4.3795e+00	2e-06	5e-07	1e-15	4e-08
9:	4.3795e+00	4.3795e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6783e+00	2.6761e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6160e+00	4.6150e+00	2e+00	5e-01	9e-16	4e-02
3:	4.9354e+00	4.9349e+00	5e-01	2e-01	2e-15	1e-02
4:	4.9945e+00	4.9944e+00	3e-02	9e-03	4e-15	7e-04
5:	4.9999e+00	4.9999e+00	3e-04	9e-05	9e-16	7e-06

6:	5.0000e+00	5.0000e+00	3e-06	9e-07	6e-16	7e-08
7:	5.0000e+00	5.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3187e+00	2.3153e+00	5e+00	2e+00	3e-16	2e-01
2:	4.6635e+00	4.6619e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9671e+00	4.9663e+00	3e-01	1e-01	2e-15	9e-03
4:	4.9928e+00	4.9927e+00	3e-02	9e-03	1e-14	7e-04
5:	4.9999e+00	4.9999e+00	3e-04	9e-05	7e-16	7e-06
6:	5.0000e+00	5.0000e+00	3e-06	9e-07	1e-15	7e-08
7:	5.0000e+00	5.0000e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8495e+00	1.8461e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5051e+00	3.5038e+00	1e+00	3e-01	3e-15	3e-02
3:	3.8582e+00	3.8579e+00	2e-01	6e-02	1e-15	6e-03
4:	3.9175e+00	3.9172e+00	8e-02	2e-02	2e-15	2e-03
5:	3.9206e+00	3.9204e+00	7e-02	2e-02	5e-15	2e-03
6:	3.9498e+00	3.9498e+00	6e-03	2e-03	2e-15	2e-04
7:	3.9517e+00	3.9517e+00	7e-05	2e-05	1e-15	2e-06
8:	3.9518e+00	3.9518e+00	7e-07	2e-07	3e-15	2e-08
9:	3.9518e+00	3.9518e+00	7e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4905e+00	3.4907e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8145e+00	4.8146e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9974e+00	4.9974e+00	2e-02	5e-03	8e-16	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	9e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4766e+00	2.4769e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6360e+00	4.6361e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9501e+00	4.9501e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9932e+00	4.9932e+00	3e-02	8e-03	4e-15	7e-04
5:	4.9999e+00	4.9999e+00	3e-04	9e-05	8e-16	7e-06
6:	5.0000e+00	5.0000e+00	3e-06	9e-07	7e-16	7e-08
7:	5.0000e+00	5.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6862e+00	2.6840e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5982e+00	4.5973e+00	1e+00	5e-01	1e-15	4e-02

3:	4.9443e+00	4.9440e+00	3e-01	8e-02	4e-15	7e-03
4:	4.9992e+00	4.9992e+00	4e-03	1e-03	1e-15	1e-04
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	9e-16	1e-06
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8735e+00	2.8715e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6875e+00	4.6867e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9391e+00	4.9388e+00	2e-01	7e-02	2e-15	6e-03
4:	4.9994e+00	4.9994e+00	2e-03	7e-04	6e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	7e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2295e+00	2.2289e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5295e+00	4.5292e+00	1e+00	4e-01	1e-15	3e-02
3:	4.8938e+00	4.8937e+00	4e-01	1e-01	1e-15	1e-02
4:	4.9884e+00	4.9884e+00	6e-02	2e-02	1e-15	2e-03
5:	4.9965e+00	4.9965e+00	1e-02	4e-03	3e-14	3e-04
6:	5.0000e+00	5.0000e+00	1e-04	4e-05	3e-15	3e-06
7:	5.0000e+00	5.0000e+00	1e-06	4e-07	8e-15	3e-08
8:	5.0000e+00	5.0000e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3404e+00	3.3405e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8651e+00	4.8652e+00	1e+00	3e-01	9e-16	2e-02
3:	4.9984e+00	4.9984e+00	1e-02	4e-03	8e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	7e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3485e+00	2.3457e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8075e+00	4.8063e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9731e+00	4.9726e+00	3e-01	1e-01	2e-15	9e-03
4:	4.9977e+00	4.9977e+00	1e-02	3e-03	6e-15	3e-04
5:	5.0000e+00	5.0000e+00	1e-04	3e-05	2e-15	3e-06
6:	5.0000e+00	5.0000e+00	1e-06	3e-07	1e-15	3e-08
7:	5.0000e+00	5.0000e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8486e+00	2.8468e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7031e+00	4.7023e+00	2e+00	6e-01	7e-16	5e-02

3:	4.9816e+00	4.9814e+00	9e-02	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	6e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	5e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8627e+00	1.8601e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4556e+00	4.4546e+00	1e+00	4e-01	1e-15	3e-02
3:	4.8582e+00	4.8579e+00	2e-01	7e-02	1e-15	6e-03
4:	4.9131e+00	4.9130e+00	5e-02	2e-02	2e-15	1e-03
5:	4.9255e+00	4.9255e+00	2e-03	5e-04	4e-15	4e-05
6:	4.9259e+00	4.9259e+00	2e-05	5e-06	2e-15	4e-07
7:	4.9260e+00	4.9260e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8623e+00	2.8625e+00	6e+00	2e+00	3e-16	1e-01
2:	4.7140e+00	4.7141e+00	1e+00	4e-01	8e-16	3e-02
3:	4.9765e+00	4.9765e+00	2e-01	6e-02	2e-15	5e-03
4:	4.9997e+00	4.9997e+00	2e-03	7e-04	2e-15	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	2e-15	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0142e+00	3.0142e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7649e+00	4.7648e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9773e+00	4.9773e+00	1e-01	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	6e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0224e+00	2.0191e+00	6e+00	2e+00	3e-16	2e-01
2:	4.0831e+00	4.0816e+00	1e+00	4e-01	2e-15	3e-02
3:	4.4564e+00	4.4561e+00	2e-01	6e-02	1e-15	6e-03
4:	4.5245e+00	4.5244e+00	2e-02	6e-03	2e-15	5e-04
5:	4.5304e+00	4.5304e+00	2e-04	7e-05	2e-15	6e-06
6:	4.5305e+00	4.5305e+00	2e-06	7e-07	1e-15	6e-08
7:	4.5305e+00	4.5305e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6380e+00	1.6347e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6475e+00	3.6460e+00	8e-01	2e-01	3e-15	2e-02
3:	3.9431e+00	3.9427e+00	1e-01	3e-02	8e-16	3e-03

4:	3.9715e+00	3.9714e+00	4e-02	1e-02	1e-15	1e-03
5:	3.9778e+00	3.9778e+00	5e-03	1e-03	5e-15	1e-04
6:	3.9794e+00	3.9794e+00	5e-05	1e-05	5e-16	1e-06
7:	3.9794e+00	3.9794e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7984e+00	2.8030e+00	6e+00	2e+00	2e-16	1e-01
2:	5.2438e+00	5.2453e+00	1e+00	4e-01	1e-15	3e-02
3:	5.7978e+00	5.7982e+00	3e-01	1e-01	9e-16	7e-03
4:	5.8966e+00	5.8967e+00	6e-02	2e-02	3e-15	1e-03
5:	5.9095e+00	5.9095e+00	7e-03	2e-03	6e-15	2e-04
6:	5.9119e+00	5.9119e+00	2e-04	5e-05	3e-15	4e-06
7:	5.9120e+00	5.9120e+00	2e-06	5e-07	3e-15	4e-08
8:	5.9120e+00	5.9120e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1585e+00	3.1561e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5612e+00	5.5603e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9313e+00	5.9312e+00	1e-01	5e-02	1e-15	4e-03
4:	5.9946e+00	5.9945e+00	2e-02	6e-03	1e-15	5e-04
5:	5.9991e+00	5.9991e+00	5e-03	2e-03	9e-14	1e-04
6:	6.0000e+00	6.0000e+00	1e-04	4e-05	4e-13	3e-06
7:	6.0000e+00	6.0000e+00	1e-06	4e-07	2e-13	3e-08
8:	6.0000e+00	6.0000e+00	1e-08	4e-09	2e-13	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6923e+00	2.6907e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6479e+00	4.6473e+00	1e+00	4e-01	2e-15	3e-02
3:	5.1582e+00	5.1581e+00	2e-01	8e-02	1e-15	6e-03
4:	5.2288e+00	5.2288e+00	5e-02	2e-02	5e-15	1e-03
5:	5.2483e+00	5.2483e+00	6e-03	2e-03	1e-15	1e-04
6:	5.2498e+00	5.2498e+00	6e-05	2e-05	2e-15	1e-06
7:	5.2498e+00	5.2498e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9478e+00	2.9482e+00	6e+00	2e+00	2e-16	1e-01
2:	4.8246e+00	4.8247e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3833e+00	5.3833e+00	2e-01	8e-02	1e-15	6e-03
4:	5.4614e+00	5.4614e+00	5e-02	2e-02	9e-15	1e-03
5:	5.4785e+00	5.4785e+00	4e-03	1e-03	4e-15	9e-05
6:	5.4796e+00	5.4796e+00	9e-04	3e-04	1e-15	2e-05
7:	5.4799e+00	5.4799e+00	9e-06	3e-06	2e-15	2e-07
8:	5.4799e+00	5.4799e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7221e+00	2.7244e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9881e+00	4.9890e+00	2e+00	5e-01	2e-15	4e-02
3:	5.3898e+00	5.3901e+00	4e-01	1e-01	2e-15	9e-03
4:	5.5058e+00	5.5059e+00	8e-02	2e-02	9e-16	2e-03
5:	5.5242e+00	5.5242e+00	7e-03	2e-03	3e-15	2e-04
6:	5.5267e+00	5.5267e+00	4e-04	1e-04	1e-15	1e-05
7:	5.5268e+00	5.5268e+00	4e-06	1e-06	2e-15	1e-07
8:	5.5268e+00	5.5268e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1797e+00	2.1763e+00	5e+00	2e+00	3e-16	2e-01
2:	4.7593e+00	4.7579e+00	9e-01	3e-01	3e-15	3e-02
3:	5.0019e+00	5.0015e+00	2e-01	6e-02	2e-15	6e-03
4:	5.0450e+00	5.0449e+00	4e-02	1e-02	6e-15	1e-03
5:	5.0594e+00	5.0594e+00	5e-03	2e-03	2e-15	1e-04
6:	5.0611e+00	5.0611e+00	5e-05	2e-05	2e-15	1e-06
7:	5.0611e+00	5.0611e+00	5e-07	2e-07	1e-15	1e-08
8:	5.0611e+00	5.0611e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5146e+00	2.5122e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5650e+00	4.5641e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9798e+00	4.9795e+00	3e-01	1e-01	1e-15	8e-03
4:	5.0974e+00	5.0973e+00	8e-02	3e-02	3e-15	2e-03
5:	5.1281e+00	5.1281e+00	7e-03	2e-03	4e-15	2e-04
6:	5.1308e+00	5.1308e+00	1e-04	4e-05	7e-15	3e-06
7:	5.1309e+00	5.1309e+00	1e-06	4e-07	5e-15	3e-08
8:	5.1309e+00	5.1309e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5588e+00	2.5560e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8664e+00	4.8653e+00	1e+00	3e-01	1e-15	3e-02
3:	5.2742e+00	5.2739e+00	2e-01	6e-02	8e-16	5e-03
4:	5.3292e+00	5.3291e+00	4e-02	1e-02	2e-15	1e-03
5:	5.3401e+00	5.3401e+00	4e-03	1e-03	2e-14	1e-04
6:	5.3417e+00	5.3417e+00	9e-05	3e-05	8e-16	2e-06
7:	5.3417e+00	5.3417e+00	9e-07	3e-07	1e-15	2e-08
8:	5.3417e+00	5.3417e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1827e+00	3.1801e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1406e+00	5.1397e+00	2e+00	5e-01	2e-15	4e-02



3:	5.6388e+00	5.6385e+00	4e-01	1e-01	2e-15	1e-02
4:	5.7925e+00	5.7923e+00	1e-01	4e-02	2e-15	4e-03
5:	5.8251e+00	5.8250e+00	4e-02	1e-02	4e-15	9e-04
6:	5.8384e+00	5.8384e+00	2e-03	6e-04	1e-15	5e-05
7:	5.8390e+00	5.8390e+00	2e-05	6e-06	7e-15	5e-07
8:	5.8390e+00	5.8390e+00	2e-07	6e-08	6e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9061e+00	2.9094e+00	7e+00	2e+00	2e-16	2e-01
2:	5.4797e+00	5.4809e+00	2e+00	5e-01	2e-15	4e-02
3:	5.7782e+00	5.7790e+00	7e-01	2e-01	3e-15	2e-02
4:	5.9536e+00	5.9539e+00	2e-01	7e-02	2e-15	5e-03
5:	5.9975e+00	5.9975e+00	1e-02	4e-03	4e-15	3e-04
6:	6.0000e+00	6.0000e+00	1e-04	4e-05	2e-15	3e-06
7:	6.0000e+00	6.0000e+00	1e-06	4e-07	2e-15	3e-08
8:	6.0000e+00	6.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7193e+00	2.7207e+00	6e+00	2e+00	3e-16	1e-01
2:	4.4330e+00	4.4335e+00	1e+00	5e-01	8e-16	4e-02
3:	4.8028e+00	4.8029e+00	3e-01	1e-01	3e-15	9e-03
4:	4.9333e+00	4.9333e+00	5e-02	2e-02	6e-16	1e-03
5:	4.9426e+00	4.9427e+00	2e-02	7e-03	1e-14	5e-04
6:	4.9496e+00	4.9496e+00	3e-03	1e-03	3e-15	8e-05
7:	4.9505e+00	4.9505e+00	6e-05	2e-05	5e-15	1e-06
8:	4.9505e+00	4.9505e+00	6e-07	2e-07	1e-15	1e-08
9:	4.9505e+00	4.9505e+00	6e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2859e+00	3.2896e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6601e+00	5.6611e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9562e+00	5.9566e+00	2e-01	7e-02	3e-15	6e-03
4:	5.9995e+00	5.9995e+00	3e-03	9e-04	1e-15	7e-05
5:	6.0000e+00	6.0000e+00	3e-05	9e-06	1e-15	7e-07
6:	6.0000e+00	6.0000e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6472e+00	1.6441e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5651e+00	3.5639e+00	1e+00	3e-01	1e-15	3e-02
3:	3.8889e+00	3.8887e+00	2e-01	5e-02	5e-16	4e-03
4:	3.9350e+00	3.9349e+00	3e-02	8e-03	2e-15	7e-04
5:	3.9464e+00	3.9463e+00	4e-03	1e-03	2e-15	1e-04
6:	3.9477e+00	3.9477e+00	1e-04	4e-05	2e-15	3e-06
7:	3.9478e+00	3.9478e+00	7e-06	2e-06	4e-13	2e-07

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8: 3.9478e+00 3.9478e+00 7e-08 2e-08 5e-14 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.3024e+00 3.3013e+00 6e+00 2e+00 2e-16 2e-01
2: 5.6167e+00 5.6164e+00 1e+00 4e-01 3e-15 4e-02
3: 5.9559e+00 5.9558e+00 3e-01 1e-01 2e-15 8e-03
4: 5.9955e+00 5.9955e+00 2e-02 5e-03 7e-15 4e-04
5: 6.0000e+00 6.0000e+00 2e-04 5e-05 2e-15 4e-06
6: 6.0000e+00 6.0000e+00 2e-06 5e-07 1e-15 4e-08
7: 6.0000e+00 6.0000e+00 2e-08 5e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.4457e+00 2.4450e+00 6e+00 2e+00 2e-16 2e-01
2: 4.7186e+00 4.7182e+00 2e+00 6e-01 7e-16 5e-02
3: 5.2460e+00 5.2459e+00 5e-01 2e-01 9e-16 1e-02
4: 5.3870e+00 5.3869e+00 2e-01 5e-02 1e-15 4e-03
5: 5.4335e+00 5.4335e+00 2e-02 7e-03 1e-15 5e-04
6: 5.4416e+00 5.4416e+00 2e-03 7e-04 2e-15 6e-05
7: 5.4422e+00 5.4422e+00 2e-04 5e-05 9e-14 4e-06
8: 5.4423e+00 5.4423e+00 2e-06 5e-07 1e-14 4e-08
9: 5.4423e+00 5.4423e+00 2e-08 5e-09 1e-14 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.6102e+00 3.6136e+00 7e+00 2e+00 2e-16 2e-01
2: 5.5630e+00 5.5641e+00 2e+00 6e-01 1e-15 4e-02
3: 5.9670e+00 5.9672e+00 2e-01 5e-02 2e-15 4e-03
4: 5.9997e+00 5.9997e+00 2e-03 6e-04 4e-16 4e-05
5: 6.0000e+00 6.0000e+00 2e-05 6e-06 4e-16 4e-07
6: 6.0000e+00 6.0000e+00 2e-07 6e-08 7e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.5794e+00 3.5779e+00 6e+00 2e+00 3e-16 2e-01
2: 5.6379e+00 5.6374e+00 1e+00 3e-01 1e-15 3e-02
3: 5.9006e+00 5.9004e+00 2e-01 7e-02 9e-16 6e-03
4: 5.9835e+00 5.9834e+00 4e-02 1e-02 1e-15 9e-04
5: 5.9951e+00 5.9951e+00 4e-03 1e-03 4e-15 1e-04
6: 5.9962e+00 5.9962e+00 5e-05 2e-05 5e-14 1e-06
7: 5.9962e+00 5.9962e+00 5e-07 2e-07 4e-14 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.1742e+00 2.1709e+00 5e+00 2e+00 2e-16 2e-01
2: 4.2760e+00 4.2742e+00 1e+00 3e-01 1e-15 3e-02
3: 4.5258e+00 4.5255e+00 2e-01 6e-02 7e-16 6e-03

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4:	4.5995e+00	4.5994e+00	6e-02	2e-02	1e-15	2e-03
5:	4.6123e+00	4.6122e+00	2e-02	6e-03	3e-15	5e-04
6:	4.6186e+00	4.6186e+00	6e-04	2e-04	9e-16	2e-05
7:	4.6188e+00	4.6188e+00	6e-06	2e-06	9e-16	2e-07
8:	4.6188e+00	4.6188e+00	6e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7728e+00	2.7700e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2336e+00	5.2323e+00	1e+00	4e-01	2e-15	3e-02
3:	5.5535e+00	5.5533e+00	2e-01	7e-02	1e-15	6e-03
4:	5.6234e+00	5.6233e+00	2e-02	7e-03	1e-15	6e-04
5:	5.6298e+00	5.6298e+00	7e-03	2e-03	2e-15	2e-04
6:	5.6312e+00	5.6312e+00	1e-03	4e-04	5e-15	3e-05
7:	5.6317e+00	5.6317e+00	1e-05	4e-06	8e-16	4e-07
8:	5.6317e+00	5.6317e+00	1e-07	4e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4048e+00	3.4040e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6584e+00	5.6581e+00	1e+00	4e-01	1e-15	4e-02
3:	5.9287e+00	5.9286e+00	5e-01	1e-01	1e-15	1e-02
4:	5.9929e+00	5.9929e+00	3e-02	9e-03	4e-15	7e-04
5:	5.9999e+00	5.9999e+00	3e-04	9e-05	6e-16	7e-06
6:	6.0000e+00	6.0000e+00	3e-06	9e-07	6e-16	7e-08
7:	6.0000e+00	6.0000e+00	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9789e+00	2.9765e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1574e+00	5.1565e+00	1e+00	4e-01	2e-15	4e-02
3:	5.5646e+00	5.5642e+00	4e-01	1e-01	2e-15	9e-03
4:	5.6899e+00	5.6898e+00	1e-01	3e-02	1e-15	3e-03
5:	5.7158e+00	5.7158e+00	2e-02	6e-03	4e-15	5e-04
6:	5.7224e+00	5.7224e+00	2e-03	6e-04	2e-15	5e-05
7:	5.7229e+00	5.7229e+00	2e-05	6e-06	4e-15	5e-07
8:	5.7229e+00	5.7229e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4666e+00	2.4700e+00	7e+00	2e+00	2e-16	2e-01
2:	4.4607e+00	4.4617e+00	1e+00	5e-01	1e-15	3e-02
3:	4.9409e+00	4.9411e+00	3e-01	1e-01	5e-16	7e-03
4:	5.0224e+00	5.0225e+00	8e-02	3e-02	1e-15	2e-03
5:	5.0539e+00	5.0539e+00	5e-03	2e-03	2e-15	1e-04
6:	5.0557e+00	5.0557e+00	6e-05	2e-05	9e-15	2e-06
7:	5.0557e+00	5.0557e+00	6e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4400e+00	3.4373e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6837e+00	5.6825e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9833e+00	5.9831e+00	8e-02	3e-02	3e-15	2e-03
4:	5.9998e+00	5.9998e+00	9e-04	3e-04	7e-16	2e-05
5:	6.0000e+00	6.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2484e+00	3.2465e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5821e+00	5.5814e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9606e+00	5.9604e+00	3e-01	1e-01	3e-15	8e-03
4:	5.9981e+00	5.9981e+00	8e-03	2e-03	4e-15	2e-04
5:	6.0000e+00	6.0000e+00	8e-05	2e-05	2e-15	2e-06
6:	6.0000e+00	6.0000e+00	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4211e+00	3.4218e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7615e+00	5.7618e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9607e+00	5.9608e+00	2e-01	5e-02	1e-15	4e-03
4:	5.9996e+00	5.9996e+00	2e-03	5e-04	3e-16	4e-05
5:	6.0000e+00	6.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	6.0000e+00	6.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9956e+00	2.9952e+00	6e+00	2e+00	2e-16	1e-01
2:	5.5980e+00	5.5979e+00	1e+00	3e-01	8e-16	3e-02
3:	5.8902e+00	5.8901e+00	3e-01	1e-01	2e-15	9e-03
4:	5.9858e+00	5.9858e+00	9e-02	3e-02	4e-15	2e-03
5:	5.9982e+00	5.9982e+00	7e-03	2e-03	2e-14	2e-04
6:	6.0000e+00	6.0000e+00	7e-05	2e-05	3e-15	2e-06
7:	6.0000e+00	6.0000e+00	7e-07	2e-07	3e-15	2e-08
8:	6.0000e+00	6.0000e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4952e+00	2.4943e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0476e+00	4.0472e+00	2e+00	6e-01	1e-15	5e-02
3:	4.5322e+00	4.5322e+00	3e-01	9e-02	9e-16	7e-03
4:	4.6255e+00	4.6255e+00	4e-02	1e-02	8e-16	1e-03
5:	4.6387e+00	4.6387e+00	7e-03	2e-03	1e-15	2e-04
6:	4.6411e+00	4.6411e+00	4e-04	1e-04	3e-15	1e-05
7:	4.6413e+00	4.6413e+00	5e-06	1e-06	8e-16	1e-07
8:	4.6413e+00	4.6413e+00	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3681e+00	3.3689e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2878e+00	5.2881e+00	2e+00	6e-01	1e-15	5e-02
3:	5.8740e+00	5.8741e+00	5e-01	1e-01	2e-15	1e-02
4:	5.9694e+00	5.9695e+00	1e-01	4e-02	4e-15	3e-03
5:	5.9996e+00	5.9996e+00	2e-03	5e-04	3e-15	4e-05
6:	6.0000e+00	6.0000e+00	2e-05	5e-06	2e-15	4e-07
7:	6.0000e+00	6.0000e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0541e+00	3.0547e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6927e+00	5.6929e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9627e+00	5.9628e+00	3e-01	1e-01	3e-15	8e-03
4:	5.9988e+00	5.9988e+00	6e-03	2e-03	3e-15	2e-04
5:	6.0000e+00	6.0000e+00	6e-05	2e-05	2e-15	2e-06
6:	6.0000e+00	6.0000e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7609e+00	3.7624e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7186e+00	5.7190e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9775e+00	5.9776e+00	9e-02	3e-02	7e-16	2e-03
4:	5.9998e+00	5.9998e+00	9e-04	3e-04	6e-16	2e-05
5:	6.0000e+00	6.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	6.0000e+00	6.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7051e+00	3.7083e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7022e+00	5.7033e+00	2e+00	5e-01	3e-15	4e-02
3:	5.9700e+00	5.9701e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3556e+00	2.3530e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5164e+00	4.5152e+00	1e+00	4e-01	2e-15	4e-02
3:	4.8979e+00	4.8975e+00	3e-01	9e-02	1e-15	8e-03
4:	5.0075e+00	5.0073e+00	9e-02	3e-02	1e-15	2e-03
5:	5.0276e+00	5.0275e+00	2e-02	7e-03	5e-15	5e-04
6:	5.0334e+00	5.0334e+00	3e-03	1e-03	4e-15	8e-05
7:	5.0343e+00	5.0343e+00	4e-05	1e-05	8e-15	1e-06
8:	5.0343e+00	5.0343e+00	4e-07	1e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6477e+00	3.6485e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2579e+00	5.2581e+00	2e+00	5e-01	2e-15	4e-02
3:	5.7286e+00	5.7287e+00	4e-01	1e-01	9e-16	9e-03
4:	5.8645e+00	5.8645e+00	8e-02	2e-02	2e-15	2e-03
5:	5.8846e+00	5.8846e+00	2e-02	6e-03	6e-15	5e-04
6:	5.8898e+00	5.8898e+00	2e-03	7e-04	1e-14	6e-05
7:	5.8903e+00	5.8903e+00	2e-04	6e-05	2e-14	5e-06
8:	5.8904e+00	5.8904e+00	2e-06	6e-07	4e-15	5e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.7643e+00	1.7611e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4746e+00	3.4729e+00	1e+00	4e-01	2e-15	4e-02
3:	3.7663e+00	3.7656e+00	4e-01	1e-01	1e-15	1e-02
4:	3.8615e+00	3.8614e+00	7e-02	2e-02	1e-15	2e-03
5:	3.8856e+00	3.8855e+00	2e-02	6e-03	8e-16	5e-04
6:	3.8903e+00	3.8903e+00	3e-03	1e-03	2e-15	9e-05
7:	3.8913e+00	3.8913e+00	1e-03	3e-04	9e-16	3e-05
8:	3.8916e+00	3.8916e+00	8e-05	3e-05	4e-15	2e-06
9:	3.8916e+00	3.8916e+00	1e-06	3e-07	8e-15	3e-08
10:	3.8916e+00	3.8916e+00	1e-08	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0899e+00	4.0900e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7134e+00	5.7134e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9933e+00	5.9933e+00	3e-02	1e-02	1e-15	8e-04
4:	5.9999e+00	5.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	6.0000e+00	6.0000e+00	3e-06	1e-06	7e-16	8e-08
6:	6.0000e+00	6.0000e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9782e+00	2.9780e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4912e+00	5.4911e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9159e+00	5.9158e+00	5e-01	2e-01	1e-15	1e-02
4:	5.9958e+00	5.9958e+00	2e-02	5e-03	3e-15	4e-04
5:	6.0000e+00	6.0000e+00	2e-04	5e-05	1e-15	4e-06
6:	6.0000e+00	6.0000e+00	2e-06	5e-07	1e-15	4e-08
7:	6.0000e+00	6.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3911e+00	2.3886e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5822e+00	4.5812e+00	1e+00	4e-01	4e-15	4e-02

3:	5.1434e+00	5.1431e+00	4e-01	1e-01	2e-15	1e-02
4:	5.2735e+00	5.2735e+00	4e-02	1e-02	4e-15	1e-03
5:	5.2799e+00	5.2798e+00	2e-02	5e-03	7e-14	4e-04
6:	5.2846e+00	5.2846e+00	6e-03	2e-03	2e-14	1e-04
7:	5.2860e+00	5.2860e+00	1e-03	4e-04	2e-14	3e-05
8:	5.2864e+00	5.2864e+00	4e-05	1e-05	2e-14	1e-06
9:	5.2864e+00	5.2864e+00	4e-07	1e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5132e+00	3.5134e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8036e+00	5.8036e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9873e+00	5.9873e+00	6e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	7e-16	1e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5208e+00	2.5176e+00	5e+00	2e+00	3e-16	2e-01
2:	5.6739e+00	5.6725e+00	1e+00	3e-01	2e-15	3e-02
3:	5.9580e+00	5.9576e+00	2e-01	7e-02	1e-15	6e-03
4:	5.9825e+00	5.9823e+00	6e-02	2e-02	2e-14	2e-03
5:	5.9998e+00	5.9998e+00	1e-03	4e-04	6e-15	3e-05
6:	6.0000e+00	6.0000e+00	1e-05	4e-06	2e-14	3e-07
7:	6.0000e+00	6.0000e+00	1e-07	4e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0387e+00	3.0405e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5572e+00	5.5577e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9635e+00	5.9637e+00	3e-01	9e-02	2e-15	7e-03
4:	5.9950e+00	5.9951e+00	2e-02	5e-03	1e-14	4e-04
5:	6.0000e+00	6.0000e+00	2e-04	5e-05	2e-15	4e-06
6:	6.0000e+00	6.0000e+00	2e-06	5e-07	2e-15	4e-08
7:	6.0000e+00	6.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1898e+00	2.1870e+00	5e+00	2e+00	2e-16	1e-01
2:	4.0981e+00	4.0971e+00	1e+00	3e-01	1e-15	3e-02
3:	4.4557e+00	4.4554e+00	3e-01	8e-02	1e-15	7e-03
4:	4.5289e+00	4.5288e+00	5e-02	1e-02	9e-16	1e-03
5:	4.5440e+00	4.5440e+00	9e-03	3e-03	1e-15	2e-04
6:	4.5471e+00	4.5471e+00	2e-04	7e-05	3e-15	5e-06
7:	4.5471e+00	4.5471e+00	2e-06	7e-07	2e-15	5e-08
8:	4.5471e+00	4.5471e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2203e+00	3.2220e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6383e+00	5.6389e+00	2e+00	5e-01	9e-16	4e-02
3:	5.9181e+00	5.9183e+00	2e-01	8e-02	3e-15	6e-03
4:	5.9991e+00	5.9992e+00	3e-03	9e-04	4e-16	7e-05
5:	6.0000e+00	6.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	6.0000e+00	6.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5088e+00	3.5090e+00	6e+00	2e+00	3e-16	1e-01
2:	5.1683e+00	5.1683e+00	2e+00	6e-01	2e-15	4e-02
3:	5.7411e+00	5.7411e+00	3e-01	1e-01	9e-16	8e-03
4:	5.8612e+00	5.8612e+00	6e-02	2e-02	1e-15	2e-03
5:	5.8846e+00	5.8846e+00	2e-02	5e-03	2e-15	4e-04
6:	5.8893e+00	5.8893e+00	3e-04	1e-04	3e-15	9e-06
7:	5.8894e+00	5.8894e+00	3e-06	1e-06	3e-15	9e-08
8:	5.8894e+00	5.8894e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4129e+00	3.4157e+00	6e+00	2e+00	2e-16	1e-01
2:	5.6545e+00	5.6555e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9522e+00	5.9525e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9867e+00	5.9868e+00	5e-02	2e-02	6e-15	1e-03
5:	5.9999e+00	5.9999e+00	5e-04	2e-04	7e-16	1e-05
6:	6.0000e+00	6.0000e+00	5e-06	2e-06	8e-16	1e-07
7:	6.0000e+00	6.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6216e+00	2.6186e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9623e+00	4.9611e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3758e+00	5.3755e+00	3e-01	1e-01	2e-15	9e-03
4:	5.4569e+00	5.4567e+00	7e-02	2e-02	6e-15	2e-03
5:	5.4824e+00	5.4823e+00	2e-03	6e-04	9e-16	5e-05
6:	5.4829e+00	5.4829e+00	2e-05	6e-06	1e-15	5e-07
7:	5.4829e+00	5.4829e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6334e+00	2.6318e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8107e+00	4.8101e+00	1e+00	5e-01	1e-15	4e-02
3:	5.3465e+00	5.3465e+00	2e-01	6e-02	9e-16	5e-03
4:	5.3982e+00	5.3982e+00	3e-02	9e-03	3e-15	7e-04
5:	5.4094e+00	5.4094e+00	8e-04	3e-04	7e-16	2e-05
6:	5.4097e+00	5.4097e+00	8e-06	3e-06	6e-16	2e-07



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7:  5.4097e+00  5.4097e+00  8e-08  3e-08  7e-16  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.9519e+00  2.9501e+00  6e+00  2e+00  2e-16  2e-01
2:  5.5959e+00  5.5952e+00  1e+00  4e-01  1e-15  3e-02
3:  5.8883e+00  5.8880e+00  3e-01  9e-02  2e-15  7e-03
4:  5.9893e+00  5.9893e+00  5e-02  2e-02  2e-15  1e-03
5:  5.9964e+00  5.9963e+00  1e-02  4e-03  6e-14  3e-04
6:  6.0000e+00  6.0000e+00  1e-04  4e-05  2e-15  3e-06
7:  6.0000e+00  6.0000e+00  1e-06  4e-07  4e-15  3e-08
8:  6.0000e+00  6.0000e+00  1e-08  4e-09  4e-15  3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.7690e+00  2.7666e+00  6e+00  2e+00  3e-16  2e-01
2:  5.2609e+00  5.2600e+00  1e+00  4e-01  1e-15  3e-02
3:  5.7819e+00  5.7816e+00  3e-01  1e-01  1e-15  8e-03
4:  5.8803e+00  5.8802e+00  8e-02  3e-02  2e-15  2e-03
5:  5.9122e+00  5.9122e+00  1e-03  3e-04  9e-16  3e-05
6:  5.9126e+00  5.9126e+00  1e-05  3e-06  1e-15  3e-07
7:  5.9126e+00  5.9126e+00  1e-07  3e-08  1e-15  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.4357e+00  3.4363e+00  6e+00  2e+00  3e-16  2e-01
2:  5.6726e+00  5.6728e+00  2e+00  5e-01  3e-15  4e-02
3:  5.9545e+00  5.9546e+00  2e-01  5e-02  2e-15  4e-03
4:  5.9995e+00  5.9995e+00  2e-03  5e-04  5e-16  4e-05
5:  6.0000e+00  6.0000e+00  2e-05  5e-06  4e-16  4e-07
6:  6.0000e+00  6.0000e+00  2e-07  5e-08  4e-16  4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.2491e+00  2.2496e+00  7e+00  2e+00  3e-16  2e-01
2:  3.4155e+00  3.4157e+00  2e+00  6e-01  8e-16  5e-02
3:  3.9484e+00  3.9486e+00  9e-01  3e-01  8e-16  2e-02
4:  4.1203e+00  4.1204e+00  3e-01  9e-02  2e-15  7e-03
5:  4.2124e+00  4.2124e+00  2e-02  7e-03  6e-16  5e-04
6:  4.2187e+00  4.2187e+00  2e-03  5e-04  7e-15  4e-05
7:  4.2191e+00  4.2191e+00  2e-05  6e-06  1e-14  5e-07
8:  4.2191e+00  4.2191e+00  2e-07  6e-08  1e-14  5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.4945e+00  3.4973e+00  6e+00  2e+00  2e-16  2e-01
2:  5.3336e+00  5.3347e+00  2e+00  6e-01  1e-15  5e-02
3:  5.9273e+00  5.9276e+00  3e-01  9e-02  6e-16  7e-03

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4:	6.0257e+00	6.0257e+00	6e-02	2e-02	1e-15	1e-03
5:	6.0456e+00	6.0456e+00	2e-03	7e-04	2e-15	5e-05
6:	6.0462e+00	6.0462e+00	3e-04	1e-04	3e-13	8e-06
7:	6.0463e+00	6.0463e+00	2e-05	5e-06	2e-14	4e-07
8:	6.0463e+00	6.0463e+00	2e-07	5e-08	1e-13	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1951e+00	3.1956e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8196e+00	5.8199e+00	2e+00	6e-01	1e-15	4e-02
3:	6.4443e+00	6.4444e+00	4e-01	1e-01	8e-16	1e-02
4:	6.5426e+00	6.5426e+00	1e-01	3e-02	2e-15	2e-03
5:	6.5736e+00	6.5736e+00	1e-02	3e-03	3e-15	3e-04
6:	6.5766e+00	6.5766e+00	5e-04	2e-04	3e-14	1e-05
7:	6.5767e+00	6.5767e+00	5e-06	2e-06	4e-15	1e-07
8:	6.5767e+00	6.5767e+00	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9646e+00	2.9656e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1015e+00	5.1019e+00	1e+00	4e-01	2e-15	3e-02
3:	5.4167e+00	5.4168e+00	3e-01	1e-01	1e-15	8e-03
4:	5.4926e+00	5.4927e+00	9e-02	3e-02	1e-15	2e-03
5:	5.5127e+00	5.5127e+00	1e-02	4e-03	8e-16	3e-04
6:	5.5168e+00	5.5168e+00	8e-04	2e-04	1e-15	2e-05
7:	5.5170e+00	5.5170e+00	8e-06	2e-06	2e-15	2e-07
8:	5.5170e+00	5.5170e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2931e+00	2.2917e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5049e+00	4.5042e+00	2e+00	5e-01	2e-15	4e-02
3:	4.8791e+00	4.8789e+00	3e-01	1e-01	6e-16	8e-03
4:	4.9831e+00	4.9831e+00	4e-02	1e-02	2e-15	1e-03
5:	4.9966e+00	4.9966e+00	2e-03	7e-04	2e-15	5e-05
6:	4.9972e+00	4.9972e+00	2e-05	7e-06	2e-15	5e-07
7:	4.9972e+00	4.9972e+00	2e-07	7e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0705e+00	4.0695e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3232e+00	6.3227e+00	2e+00	7e-01	1e-15	5e-02
3:	6.8986e+00	6.8985e+00	4e-01	1e-01	1e-15	1e-02
4:	6.9698e+00	6.9698e+00	9e-02	3e-02	4e-15	2e-03
5:	6.9997e+00	6.9997e+00	1e-03	3e-04	4e-16	3e-05
6:	7.0000e+00	7.0000e+00	1e-05	3e-06	8e-16	3e-07
7:	7.0000e+00	7.0000e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7940e+00	2.7985e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6117e+00	5.6131e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8628e+00	5.8633e+00	3e-01	1e-01	1e-15	7e-03
4:	5.9670e+00	5.9671e+00	8e-02	3e-02	6e-16	2e-03
5:	5.9910e+00	5.9910e+00	1e-02	5e-03	1e-15	4e-04
6:	5.9956e+00	5.9956e+00	4e-04	1e-04	3e-15	9e-06
7:	5.9957e+00	5.9957e+00	4e-06	1e-06	1e-15	9e-08
8:	5.9957e+00	5.9957e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0137e+00	2.0113e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6648e+00	3.6638e+00	2e+00	5e-01	8e-16	4e-02
3:	4.1785e+00	4.1783e+00	3e-01	9e-02	2e-15	8e-03
4:	4.2826e+00	4.2826e+00	4e-02	1e-02	1e-15	1e-03
5:	4.2976e+00	4.2976e+00	1e-03	4e-04	3e-15	3e-05
6:	4.2980e+00	4.2980e+00	1e-05	4e-06	4e-15	3e-07
7:	4.2980e+00	4.2980e+00	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3114e+00	3.3116e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9026e+00	5.9027e+00	1e+00	5e-01	3e-15	4e-02
3:	6.3395e+00	6.3396e+00	3e-01	1e-01	1e-15	8e-03
4:	6.4414e+00	6.4414e+00	5e-02	1e-02	2e-15	1e-03
5:	6.4610e+00	6.4610e+00	9e-04	3e-04	1e-15	2e-05
6:	6.4614e+00	6.4614e+00	9e-06	3e-06	6e-16	2e-07
7:	6.4614e+00	6.4614e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7427e+00	4.7463e+00	6e+00	2e+00	2e-16	1e-01
2:	6.6411e+00	6.6422e+00	1e+00	5e-01	8e-16	3e-02
3:	6.9629e+00	6.9631e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9996e+00	6.9996e+00	1e-03	4e-04	7e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3159e+00	3.3177e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2386e+00	6.2391e+00	1e+00	4e-01	1e-15	3e-02
3:	6.6157e+00	6.6158e+00	2e-01	8e-02	7e-16	6e-03
4:	6.6822e+00	6.6822e+00	1e-02	4e-03	5e-15	3e-04
5:	6.6866e+00	6.6866e+00	1e-04	4e-05	2e-15	3e-06
6:	6.6867e+00	6.6867e+00	1e-06	4e-07	1e-15	3e-08

7: 6.6867e+00 6.6867e+00 1e-08 4e-09 2e-15 3e-10  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3981e+00	3.3990e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5799e+00	5.5802e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9470e+00	5.9471e+00	3e-01	9e-02	1e-15	7e-03
4:	6.0774e+00	6.0774e+00	7e-02	2e-02	2e-15	2e-03
5:	6.1037e+00	6.1037e+00	5e-03	2e-03	4e-15	1e-04
6:	6.1056e+00	6.1056e+00	6e-04	2e-04	2e-14	2e-05
7:	6.1058e+00	6.1058e+00	1e-05	5e-06	2e-13	4e-07
8:	6.1058e+00	6.1058e+00	1e-07	5e-08	6e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1435e+00	3.1442e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4218e+00	5.4220e+00	1e+00	4e-01	9e-16	3e-02
3:	5.8235e+00	5.8235e+00	3e-01	8e-02	1e-15	6e-03
4:	5.9150e+00	5.9150e+00	3e-02	8e-03	2e-15	6e-04
5:	5.9244e+00	5.9244e+00	3e-03	9e-04	3e-15	7e-05
6:	5.9253e+00	5.9253e+00	3e-05	1e-05	1e-14	9e-07
7:	5.9253e+00	5.9253e+00	3e-07	1e-07	9e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2404e+00	3.2380e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2745e+00	5.2735e+00	2e+00	5e-01	1e-15	5e-02
3:	6.0626e+00	6.0624e+00	3e-01	9e-02	1e-15	8e-03
4:	6.1632e+00	6.1632e+00	2e-02	7e-03	2e-15	6e-04
5:	6.1723e+00	6.1723e+00	2e-04	7e-05	2e-15	6e-06
6:	6.1724e+00	6.1724e+00	2e-06	7e-07	2e-15	6e-08
7:	6.1724e+00	6.1724e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8241e+00	3.8235e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6148e+00	6.6146e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9019e+00	6.9018e+00	4e-01	1e-01	3e-15	9e-03
4:	6.9985e+00	6.9985e+00	8e-03	2e-03	1e-15	2e-04
5:	7.0000e+00	7.0000e+00	8e-05	2e-05	1e-15	2e-06
6:	7.0000e+00	7.0000e+00	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6881e+00	3.6919e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1764e+00	6.1780e+00	2e+00	6e-01	1e-15	4e-02
3:	6.6071e+00	6.6076e+00	4e-01	1e-01	2e-15	1e-02
4:	6.7156e+00	6.7157e+00	5e-02	2e-02	3e-15	1e-03

5:	6.7312e+00	6.7312e+00	7e-03	2e-03	1e-15	2e-04
6:	6.7335e+00	6.7335e+00	5e-04	1e-04	5e-16	1e-05
7:	6.7336e+00	6.7336e+00	5e-06	1e-06	7e-16	1e-07
8:	6.7336e+00	6.7336e+00	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9902e+00	2.9882e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2041e+00	5.2034e+00	1e+00	4e-01	2e-15	3e-02
3:	5.5867e+00	5.5864e+00	3e-01	1e-01	2e-15	9e-03
4:	5.6752e+00	5.6751e+00	7e-02	2e-02	3e-15	2e-03
5:	5.6972e+00	5.6972e+00	7e-03	2e-03	6e-16	2e-04
6:	5.6994e+00	5.6994e+00	2e-03	6e-04	6e-16	5e-05
7:	5.6994e+00	5.6994e+00	2e-03	5e-04	3e-15	4e-05
8:	5.6999e+00	5.6999e+00	8e-05	3e-05	4e-16	2e-06
9:	5.7000e+00	5.7000e+00	8e-07	3e-07	9e-16	2e-08
10:	5.7000e+00	5.7000e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2592e+00	4.2630e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6471e+00	6.6482e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9829e+00	6.9830e+00	6e-02	2e-02	2e-15	1e-03
4:	6.9998e+00	6.9998e+00	6e-04	2e-04	6e-16	1e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7041e+00	3.7051e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4692e+00	6.4695e+00	1e+00	4e-01	2e-15	3e-02
3:	6.7967e+00	6.7968e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9119e+00	6.9119e+00	2e-02	6e-03	2e-15	5e-04
5:	6.9186e+00	6.9186e+00	3e-04	8e-05	4e-15	6e-06
6:	6.9187e+00	6.9187e+00	3e-06	8e-07	4e-15	6e-08
7:	6.9187e+00	6.9187e+00	3e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8402e+00	3.8424e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4971e+00	6.4979e+00	2e+00	5e-01	8e-16	4e-02
3:	6.9653e+00	6.9654e+00	2e-01	5e-02	3e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	6e-04	2e-15	5e-05
5:	7.0000e+00	7.0000e+00	2e-05	6e-06	2e-15	5e-07
6:	7.0000e+00	7.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.4826e+00	4.4840e+00	6e+00	2e+00	2e-16	1e-01
2:	6.6385e+00	6.6391e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9658e+00	6.9659e+00	1e-01	5e-02	2e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	5e-04	1e-15	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	1e-15	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5748e+00	2.5716e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9366e+00	4.9348e+00	2e+00	5e-01	2e-15	4e-02
3:	5.3771e+00	5.3766e+00	3e-01	8e-02	2e-15	7e-03
4:	5.4809e+00	5.4808e+00	5e-02	2e-02	9e-16	1e-03
5:	5.4927e+00	5.4927e+00	1e-02	4e-03	9e-15	3e-04
6:	5.4972e+00	5.4972e+00	9e-04	3e-04	2e-15	2e-05
7:	5.4975e+00	5.4975e+00	9e-06	3e-06	2e-15	2e-07
8:	5.4975e+00	5.4975e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9492e+00	3.9506e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2006e+00	6.2011e+00	2e+00	6e-01	1e-15	5e-02
3:	6.6533e+00	6.6535e+00	6e-01	2e-01	2e-15	1e-02
4:	6.8251e+00	6.8252e+00	2e-01	6e-02	2e-15	4e-03
5:	6.8742e+00	6.8743e+00	4e-02	1e-02	1e-15	9e-04
6:	6.8852e+00	6.8852e+00	1e-03	3e-04	1e-15	3e-05
7:	6.8855e+00	6.8855e+00	1e-05	3e-06	1e-15	3e-07
8:	6.8855e+00	6.8855e+00	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.2210e+00	3.2272e+00	7e+00	2e+00	2e-16	2e-01
2:	5.3786e+00	5.3803e+00	1e+00	4e-01	8e-16	3e-02
3:	5.8833e+00	5.8838e+00	3e-01	1e-01	1e-15	8e-03
4:	5.9965e+00	5.9966e+00	1e-02	4e-03	9e-16	3e-04
5:	6.0010e+00	6.0010e+00	1e-04	4e-05	1e-15	3e-06
6:	6.0011e+00	6.0011e+00	1e-06	4e-07	1e-15	3e-08
7:	6.0011e+00	6.0011e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0045e+00	4.0103e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7550e+00	6.7567e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9515e+00	6.9519e+00	2e-01	5e-02	5e-15	4e-03
4:	6.9995e+00	6.9995e+00	2e-03	5e-04	4e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5898e+00	4.5940e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6264e+00	6.6277e+00	2e+00	5e-01	9e-16	4e-02
3:	6.9836e+00	6.9837e+00	8e-02	3e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	8e-04	3e-04	9e-16	2e-05
5:	7.0000e+00	7.0000e+00	8e-06	3e-06	8e-16	2e-07
6:	7.0000e+00	7.0000e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1312e+00	3.1308e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2410e+00	5.2408e+00	2e+00	6e-01	1e-15	5e-02
3:	5.8367e+00	5.8366e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9806e+00	5.9806e+00	1e-01	4e-02	1e-15	3e-03
5:	6.0246e+00	6.0246e+00	2e-02	6e-03	2e-15	5e-04
6:	6.0316e+00	6.0316e+00	2e-04	6e-05	9e-16	5e-06
7:	6.0317e+00	6.0317e+00	2e-06	6e-07	1e-15	5e-08
8:	6.0317e+00	6.0317e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7750e+00	3.7770e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1772e+00	6.1778e+00	1e+00	5e-01	1e-15	4e-02
3:	6.8027e+00	6.8028e+00	3e-01	8e-02	2e-15	6e-03
4:	6.9067e+00	6.9067e+00	4e-02	1e-02	6e-15	1e-03
5:	6.9216e+00	6.9216e+00	7e-04	2e-04	6e-15	2e-05
6:	6.9219e+00	6.9219e+00	7e-06	2e-06	7e-15	2e-07
7:	6.9219e+00	6.9219e+00	7e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4042e+00	4.4048e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6269e+00	6.6271e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9509e+00	6.9509e+00	3e-01	1e-01	1e-15	8e-03
4:	6.9947e+00	6.9947e+00	2e-02	7e-03	9e-15	5e-04
5:	6.9999e+00	6.9999e+00	2e-04	7e-05	9e-16	5e-06
6:	7.0000e+00	7.0000e+00	2e-06	7e-07	7e-16	5e-08
7:	7.0000e+00	7.0000e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7945e+00	2.7926e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7460e+00	5.7454e+00	1e+00	3e-01	1e-15	3e-02
3:	5.8970e+00	5.8966e+00	3e-01	9e-02	2e-15	8e-03
4:	6.0005e+00	6.0004e+00	9e-02	3e-02	1e-15	2e-03
5:	6.0260e+00	6.0260e+00	1e-02	3e-03	3e-15	2e-04
6:	6.0288e+00	6.0288e+00	2e-04	5e-05	2e-15	4e-06

7:	6.0288e+00	6.0288e+00	2e-06	5e-07	4e-15	4e-08
8:	6.0288e+00	6.0288e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3293e+00	4.3306e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5849e+00	6.5852e+00	1e+00	3e-01	2e-15	2e-02
3:	6.9541e+00	6.9542e+00	2e-01	8e-02	2e-15	6e-03
4:	6.9936e+00	6.9936e+00	2e-02	6e-03	1e-14	5e-04
5:	6.9999e+00	6.9999e+00	2e-04	6e-05	2e-15	5e-06
6:	7.0000e+00	7.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	7.0000e+00	7.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0645e+00	3.0617e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1072e+00	6.1061e+00	1e+00	4e-01	2e-15	3e-02
3:	6.5554e+00	6.5551e+00	2e-01	7e-02	2e-15	6e-03
4:	6.6215e+00	6.6215e+00	4e-02	1e-02	1e-14	1e-03
5:	6.6301e+00	6.6301e+00	8e-03	3e-03	3e-14	2e-04
6:	6.6334e+00	6.6334e+00	4e-04	1e-04	4e-15	1e-05
7:	6.6335e+00	6.6335e+00	6e-05	2e-05	1e-12	2e-06
8:	6.6335e+00	6.6335e+00	7e-07	2e-07	6e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1459e+00	2.1432e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9651e+00	3.9642e+00	1e+00	4e-01	1e-15	4e-02
3:	4.3713e+00	4.3710e+00	3e-01	1e-01	1e-15	9e-03
4:	4.4923e+00	4.4923e+00	7e-02	2e-02	9e-16	2e-03
5:	4.5142e+00	4.5141e+00	1e-02	5e-03	3e-15	4e-04
6:	4.5190e+00	4.5190e+00	2e-03	5e-04	6e-15	4e-05
7:	4.5197e+00	4.5197e+00	2e-05	5e-06	1e-15	4e-07
8:	4.5197e+00	4.5197e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8358e+00	2.8328e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7892e+00	4.7876e+00	1e+00	4e-01	1e-15	4e-02
3:	5.2332e+00	5.2327e+00	3e-01	9e-02	7e-16	8e-03
4:	5.3375e+00	5.3374e+00	4e-02	1e-02	6e-16	1e-03
5:	5.3513e+00	5.3513e+00	8e-04	3e-04	2e-15	2e-05
6:	5.3516e+00	5.3516e+00	8e-06	3e-06	2e-15	2e-07
7:	5.3516e+00	5.3516e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0665e+00	3.0645e+00	6e+00	2e+00	2e-16	2e-01



2:	4.9263e+00	4.9257e+00	1e+00	5e-01	1e-15	4e-02
3:	5.5597e+00	5.5594e+00	3e-01	1e-01	1e-15	9e-03
4:	5.6482e+00	5.6481e+00	8e-02	3e-02	2e-15	2e-03
5:	5.6777e+00	5.6777e+00	2e-02	5e-03	1e-15	4e-04
6:	5.6839e+00	5.6839e+00	3e-04	9e-05	2e-15	8e-06
7:	5.6840e+00	5.6840e+00	3e-06	9e-07	2e-15	8e-08
8:	5.6840e+00	5.6840e+00	3e-08	9e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4939e+00	3.4974e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2847e+00	5.2865e+00	2e+00	7e-01	1e-15	6e-02
3:	5.9512e+00	5.9517e+00	4e-01	1e-01	6e-16	1e-02
4:	6.0886e+00	6.0887e+00	4e-02	1e-02	7e-16	9e-04
5:	6.0991e+00	6.0991e+00	4e-04	1e-04	6e-16	9e-06
6:	6.0992e+00	6.0992e+00	4e-06	1e-06	6e-16	9e-08
7:	6.0992e+00	6.0992e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8812e+00	2.8826e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3778e+00	5.3784e+00	2e+00	5e-01	9e-16	4e-02
3:	5.9992e+00	5.9993e+00	3e-01	1e-01	1e-15	8e-03
4:	6.0891e+00	6.0892e+00	8e-02	2e-02	3e-15	2e-03
5:	6.1047e+00	6.1047e+00	2e-02	6e-03	8e-15	5e-04
6:	6.1098e+00	6.1098e+00	3e-03	8e-04	1e-14	7e-05
7:	6.1107e+00	6.1107e+00	1e-04	3e-05	1e-15	3e-06
8:	6.1107e+00	6.1107e+00	1e-06	3e-07	1e-14	3e-08
9:	6.1107e+00	6.1107e+00	1e-08	3e-09	9e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5877e+00	3.5863e+00	6e+00	2e+00	2e-16	1e-01
2:	6.1457e+00	6.1452e+00	1e+00	3e-01	2e-15	3e-02
3:	6.5264e+00	6.5263e+00	2e-01	7e-02	3e-15	6e-03
4:	6.5664e+00	6.5664e+00	7e-02	2e-02	1e-14	2e-03
5:	6.5749e+00	6.5748e+00	6e-02	2e-02	1e-14	2e-03
6:	6.5922e+00	6.5921e+00	1e-02	4e-03	4e-15	3e-04
7:	6.5958e+00	6.5958e+00	2e-04	5e-05	6e-15	4e-06
8:	6.5958e+00	6.5958e+00	2e-06	5e-07	5e-15	4e-08
9:	6.5958e+00	6.5958e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7787e+00	2.7819e+00	6e+00	2e+00	2e-16	1e-01
2:	4.7273e+00	4.7283e+00	1e+00	4e-01	1e-15	3e-02
3:	5.0574e+00	5.0577e+00	2e-01	8e-02	8e-16	6e-03
4:	5.1327e+00	5.1328e+00	6e-02	2e-02	2e-15	1e-03

5:	5.1475e+00	5.1475e+00	8e-03	2e-03	2e-15	2e-04
6:	5.1498e+00	5.1498e+00	1e-03	5e-04	2e-15	4e-05
7:	5.1502e+00	5.1502e+00	2e-05	5e-06	3e-15	4e-07
8:	5.1502e+00	5.1502e+00	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5831e+00	2.5815e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7682e+00	4.7676e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3038e+00	5.3037e+00	1e-01	4e-02	9e-16	3e-03
4:	5.3374e+00	5.3374e+00	2e-02	6e-03	8e-15	5e-04
5:	5.3437e+00	5.3437e+00	3e-04	1e-04	9e-15	9e-06
6:	5.3438e+00	5.3438e+00	3e-06	1e-06	6e-15	9e-08
7:	5.3438e+00	5.3438e+00	3e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8943e+00	4.8954e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8256e+00	6.8258e+00	7e-01	2e-01	3e-15	2e-02
3:	6.9975e+00	6.9975e+00	1e-02	3e-03	2e-15	2e-04
4:	7.0000e+00	7.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	1e-06	3e-07	1e-15	2e-08
6:	7.0000e+00	7.0000e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2777e+00	4.2790e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8273e+00	5.8277e+00	2e+00	5e-01	1e-15	4e-02
3:	6.4543e+00	6.4544e+00	4e-01	1e-01	1e-15	1e-02
4:	6.5660e+00	6.5660e+00	1e-01	5e-02	2e-15	4e-03
5:	6.6188e+00	6.6188e+00	3e-02	8e-03	3e-15	7e-04
6:	6.6272e+00	6.6272e+00	3e-03	1e-03	1e-14	9e-05
7:	6.6286e+00	6.6286e+00	4e-05	1e-05	3e-15	1e-06
8:	6.6286e+00	6.6286e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5727e+00	3.5736e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8820e+00	5.8824e+00	2e+00	7e-01	6e-16	5e-02
3:	6.3670e+00	6.3671e+00	3e-01	1e-01	1e-15	8e-03
4:	6.4946e+00	6.4946e+00	5e-02	2e-02	5e-16	1e-03
5:	6.5136e+00	6.5136e+00	1e-02	4e-03	8e-16	3e-04
6:	6.5172e+00	6.5172e+00	1e-03	4e-04	6e-15	3e-05
7:	6.5177e+00	6.5177e+00	1e-05	4e-06	9e-16	3e-07
8:	6.5177e+00	6.5177e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.2482e+00	3.2470e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8117e+00	5.8113e+00	1e+00	4e-01	1e-15	4e-02
3:	6.1650e+00	6.1648e+00	4e-01	1e-01	6e-15	9e-03
4:	6.2302e+00	6.2301e+00	1e-01	4e-02	9e-15	3e-03
5:	6.2744e+00	6.2744e+00	3e-02	1e-02	2e-15	8e-04
6:	6.2817e+00	6.2817e+00	8e-03	3e-03	1e-14	2e-04
7:	6.2842e+00	6.2842e+00	2e-03	6e-04	4e-15	5e-05
8:	6.2848e+00	6.2848e+00	2e-05	8e-06	1e-15	6e-07
9:	6.2849e+00	6.2849e+00	2e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7296e+00	3.7308e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3807e+00	6.3811e+00	1e+00	5e-01	1e-15	4e-02
3:	6.8000e+00	6.8002e+00	4e-01	1e-01	1e-15	1e-02
4:	6.9775e+00	6.9775e+00	9e-02	3e-02	2e-15	2e-03
5:	6.9952e+00	6.9952e+00	2e-02	5e-03	5e-14	4e-04
6:	6.9999e+00	6.9999e+00	2e-04	7e-05	1e-14	6e-06
7:	7.0000e+00	7.0000e+00	2e-06	7e-07	2e-14	6e-08
8:	7.0000e+00	7.0000e+00	2e-08	7e-09	3e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1375e+00	4.1387e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3718e+00	6.3721e+00	1e+00	4e-01	3e-15	3e-02
3:	6.9003e+00	6.9004e+00	3e-01	9e-02	9e-16	7e-03
4:	6.9819e+00	6.9819e+00	8e-02	3e-02	2e-15	2e-03
5:	6.9966e+00	6.9966e+00	1e-02	4e-03	2e-14	3e-04
6:	7.0000e+00	7.0000e+00	1e-04	4e-05	4e-15	3e-06
7:	7.0000e+00	7.0000e+00	1e-06	4e-07	7e-15	3e-08
8:	7.0000e+00	7.0000e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1915e+00	3.1903e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1451e+00	5.1446e+00	2e+00	5e-01	1e-15	4e-02
3:	5.8259e+00	5.8258e+00	4e-01	1e-01	2e-15	9e-03
4:	5.9632e+00	5.9632e+00	5e-02	2e-02	2e-15	1e-03
5:	5.9809e+00	5.9809e+00	9e-04	3e-04	2e-15	2e-05
6:	5.9812e+00	5.9812e+00	1e-04	4e-05	7e-13	3e-06
7:	5.9812e+00	5.9812e+00	2e-06	5e-07	3e-14	4e-08
8:	5.9812e+00	5.9812e+00	2e-08	5e-09	2e-13	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4957e+00	3.4950e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3246e+00	5.3245e+00	7e-01	2e-01	1e-15	2e-02
3:	5.6254e+00	5.6254e+00	1e-01	5e-02	6e-16	4e-03

4:	5.6674e+00	5.6674e+00	2e-02	6e-03	2e-15	5e-04
5:	5.6720e+00	5.6720e+00	2e-03	8e-04	2e-15	6e-05
6:	5.6726e+00	5.6726e+00	1e-04	3e-05	4e-15	3e-06
7:	5.6727e+00	5.6727e+00	1e-06	3e-07	8e-15	3e-08
8:	5.6727e+00	5.6727e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9994e+00	1.9960e+00	5e+00	2e+00	3e-16	2e-01
2:	4.0341e+00	4.0328e+00	9e-01	3e-01	2e-15	3e-02
3:	4.3882e+00	4.3879e+00	1e-01	4e-02	1e-15	4e-03
4:	4.4377e+00	4.4376e+00	1e-02	4e-03	3e-15	3e-04
5:	4.4408e+00	4.4408e+00	7e-04	2e-04	4e-14	2e-05
6:	4.4411e+00	4.4411e+00	7e-06	2e-06	7e-15	2e-07
7:	4.4411e+00	4.4411e+00	7e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4155e+00	4.4189e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5780e+00	6.5791e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9863e+00	6.9864e+00	6e-02	2e-02	1e-15	1e-03
4:	6.9999e+00	6.9999e+00	6e-04	2e-04	6e-16	1e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1211e+00	4.1227e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7187e+00	6.7193e+00	2e+00	5e-01	1e-15	4e-02
3:	7.3880e+00	7.3881e+00	2e-01	7e-02	1e-15	5e-03
4:	7.4725e+00	7.4725e+00	9e-03	3e-03	3e-15	2e-04
5:	7.4757e+00	7.4757e+00	9e-05	3e-05	4e-15	2e-06
6:	7.4758e+00	7.4758e+00	9e-07	3e-07	3e-15	2e-08
7:	7.4758e+00	7.4758e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8344e+00	4.8394e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5200e+00	7.5213e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9377e+00	7.9381e+00	2e-01	7e-02	2e-15	6e-03
4:	7.9992e+00	7.9992e+00	3e-03	1e-03	6e-16	7e-05
5:	8.0000e+00	8.0000e+00	3e-05	1e-05	8e-16	7e-07
6:	8.0000e+00	8.0000e+00	3e-07	1e-07	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2308e+00	3.2286e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9577e+00	5.9570e+00	1e+00	4e-01	2e-15	3e-02

3:	6.3617e+00	6.3616e+00	3e-01	8e-02	2e-15	7e-03
4:	6.4411e+00	6.4410e+00	4e-02	1e-02	2e-15	1e-03
5:	6.4528e+00	6.4528e+00	6e-03	2e-03	4e-15	2e-04
6:	6.4551e+00	6.4551e+00	1e-04	3e-05	2e-15	3e-06
7:	6.4551e+00	6.4551e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7592e+00	1.7559e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4759e+00	3.4747e+00	1e+00	3e-01	4e-15	3e-02
3:	3.9258e+00	3.9254e+00	2e-01	5e-02	1e-15	5e-03
4:	3.9850e+00	3.9850e+00	3e-02	1e-02	2e-15	8e-04
5:	3.9944e+00	3.9944e+00	4e-03	1e-03	6e-15	1e-04
6:	3.9956e+00	3.9956e+00	1e-04	4e-05	1e-14	4e-06
7:	3.9957e+00	3.9957e+00	1e-06	4e-07	3e-14	4e-08
8:	3.9957e+00	3.9957e+00	1e-08	4e-09	2e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3691e+00	2.3657e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2641e+00	4.2628e+00	1e+00	4e-01	1e-15	4e-02
3:	4.8077e+00	4.8074e+00	3e-01	8e-02	2e-15	8e-03
4:	4.9065e+00	4.9064e+00	3e-02	1e-02	2e-15	1e-03
5:	4.9228e+00	4.9228e+00	6e-04	2e-04	3e-15	2e-05
6:	4.9231e+00	4.9231e+00	6e-06	2e-06	1e-15	2e-07
7:	4.9231e+00	4.9231e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5100e+00	3.5093e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9292e+00	5.9290e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4793e+00	6.4792e+00	3e-01	8e-02	1e-15	7e-03
4:	6.5604e+00	6.5604e+00	3e-02	8e-03	2e-15	7e-04
5:	6.5692e+00	6.5692e+00	3e-03	8e-04	8e-15	6e-05
6:	6.5702e+00	6.5702e+00	3e-05	8e-06	8e-16	6e-07
7:	6.5702e+00	6.5702e+00	3e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2292e+00	4.2334e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1252e+00	7.1264e+00	1e+00	4e-01	1e-15	3e-02
3:	7.5088e+00	7.5092e+00	4e-01	1e-01	1e-15	9e-03
4:	7.5901e+00	7.5903e+00	1e-01	3e-02	2e-15	3e-03
5:	7.6309e+00	7.6309e+00	6e-03	2e-03	2e-15	2e-04
6:	7.6329e+00	7.6329e+00	6e-05	2e-05	1e-15	2e-06
7:	7.6329e+00	7.6329e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0290e+00	4.0273e+00	6e+00	2e+00	3e-16	2e-01
2:	7.1042e+00	7.1037e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5131e+00	7.5130e+00	2e-01	7e-02	1e-15	6e-03
4:	7.5739e+00	7.5739e+00	4e-02	1e-02	4e-15	1e-03
5:	7.5886e+00	7.5886e+00	4e-04	1e-04	1e-15	1e-05
6:	7.5888e+00	7.5888e+00	4e-06	1e-06	9e-16	1e-07
7:	7.5888e+00	7.5888e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7833e+00	2.7806e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4459e+00	5.4447e+00	1e+00	4e-01	2e-15	4e-02
3:	5.8117e+00	5.8112e+00	4e-01	1e-01	3e-15	1e-02
4:	5.9430e+00	5.9430e+00	4e-02	1e-02	9e-16	1e-03
5:	5.9600e+00	5.9600e+00	2e-03	8e-04	7e-16	6e-05
6:	5.9609e+00	5.9609e+00	2e-05	8e-06	8e-16	6e-07
7:	5.9609e+00	5.9609e+00	2e-07	8e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8473e+00	3.8478e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9190e+00	5.9192e+00	2e+00	6e-01	1e-15	5e-02
3:	6.4104e+00	6.4104e+00	6e-01	2e-01	1e-15	1e-02
4:	6.5887e+00	6.5888e+00	1e-01	5e-02	1e-15	4e-03
5:	6.6396e+00	6.6396e+00	9e-03	3e-03	1e-15	2e-04
6:	6.6424e+00	6.6424e+00	9e-05	3e-05	2e-15	2e-06
7:	6.6424e+00	6.6424e+00	9e-07	3e-07	2e-15	2e-08
8:	6.6424e+00	6.6424e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9717e+00	4.9708e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5985e+00	7.5982e+00	1e+00	5e-01	2e-15	4e-02
3:	7.9600e+00	7.9599e+00	1e-01	4e-02	3e-15	3e-03
4:	7.9996e+00	7.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	7e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0178e+00	3.0177e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3790e+00	5.3790e+00	1e+00	4e-01	3e-15	3e-02
3:	6.0156e+00	6.0155e+00	3e-01	9e-02	9e-16	7e-03
4:	6.1037e+00	6.1037e+00	7e-02	2e-02	2e-15	2e-03
5:	6.1256e+00	6.1256e+00	9e-03	3e-03	1e-14	2e-04
6:	6.1287e+00	6.1287e+00	9e-05	3e-05	8e-16	2e-06
7:	6.1288e+00	6.1288e+00	9e-07	3e-07	1e-15	2e-08

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8: 6.1288e+00 6.1288e+00 9e-09 3e-09 8e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.5699e+00 4.5699e+00 7e+00 2e+00 3e-16 2e-01
2: 7.4490e+00 7.4490e+00 1e+00 5e-01 1e-15 4e-02
3: 7.9393e+00 7.9393e+00 3e-01 9e-02 1e-15 7e-03
4: 7.9950e+00 7.9950e+00 2e-02 5e-03 8e-15 4e-04
5: 8.0000e+00 8.0000e+00 2e-04 5e-05 2e-15 4e-06
6: 8.0000e+00 8.0000e+00 2e-06 5e-07 2e-15 4e-08
7: 8.0000e+00 8.0000e+00 2e-08 5e-09 1e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8308e+00 3.8286e+00 6e+00 2e+00 3e-16 2e-01
2: 6.7803e+00 6.7794e+00 1e+00 4e-01 1e-15 4e-02
3: 7.2702e+00 7.2699e+00 3e-01 9e-02 2e-15 8e-03
4: 7.3669e+00 7.3667e+00 1e-01 4e-02 1e-15 3e-03
5: 7.3930e+00 7.3929e+00 3e-02 9e-03 9e-15 8e-04
6: 7.4032e+00 7.4032e+00 4e-04 1e-04 2e-15 1e-05
7: 7.4033e+00 7.4033e+00 4e-06 1e-06 2e-15 1e-07
8: 7.4033e+00 7.4033e+00 4e-08 1e-08 2e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.0799e+00 4.0778e+00 6e+00 2e+00 2e-16 2e-01
2: 7.0979e+00 7.0969e+00 1e+00 4e-01 2e-15 4e-02
3: 7.5956e+00 7.5953e+00 3e-01 1e-01 3e-15 8e-03
4: 7.6620e+00 7.6619e+00 6e-02 2e-02 8e-15 2e-03
5: 7.6855e+00 7.6855e+00 9e-04 3e-04 4e-15 2e-05
6: 7.6859e+00 7.6859e+00 9e-06 3e-06 5e-15 2e-07
7: 7.6859e+00 7.6859e+00 9e-08 3e-08 2e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.6993e+00 2.6971e+00 6e+00 2e+00 3e-16 2e-01
2: 4.9403e+00 4.9394e+00 1e+00 4e-01 1e-15 3e-02
3: 5.3886e+00 5.3883e+00 2e-01 8e-02 9e-16 6e-03
4: 5.4576e+00 5.4575e+00 6e-02 2e-02 1e-15 1e-03
5: 5.4728e+00 5.4728e+00 2e-03 5e-04 2e-15 4e-05
6: 5.4733e+00 5.4733e+00 2e-05 5e-06 1e-15 4e-07
7: 5.4733e+00 5.4733e+00 2e-07 5e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.9218e+00 2.9251e+00 6e+00 2e+00 3e-16 1e-01
2: 5.5665e+00 5.5677e+00 1e+00 4e-01 8e-16 3e-02
3: 5.8858e+00 5.8862e+00 4e-01 1e-01 2e-15 9e-03

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4:	6.0019e+00	6.0020e+00	5e-02	2e-02	1e-15	1e-03
5:	6.0202e+00	6.0202e+00	3e-03	1e-03	1e-15	7e-05
6:	6.0208e+00	6.0208e+00	9e-04	3e-04	3e-13	2e-05
7:	6.0210e+00	6.0210e+00	1e-04	4e-05	5e-14	3e-06
8:	6.0211e+00	6.0211e+00	1e-06	4e-07	6e-14	3e-08
9:	6.0211e+00	6.0211e+00	1e-08	4e-09	4e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8757e+00	2.8757e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8672e+00	4.8672e+00	2e+00	6e-01	1e-15	5e-02
3:	5.5379e+00	5.5379e+00	3e-01	9e-02	8e-16	7e-03
4:	5.6225e+00	5.6225e+00	2e-02	7e-03	1e-15	6e-04
5:	5.6307e+00	5.6307e+00	8e-04	2e-04	5e-16	2e-05
6:	5.6310e+00	5.6310e+00	8e-06	2e-06	6e-16	2e-07
7:	5.6310e+00	5.6310e+00	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1205e+00	4.1219e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9049e+00	6.9054e+00	1e+00	4e-01	3e-15	3e-02
3:	7.1658e+00	7.1660e+00	5e-01	1e-01	2e-15	1e-02
4:	7.3614e+00	7.3614e+00	6e-02	2e-02	8e-16	1e-03
5:	7.3808e+00	7.3808e+00	4e-03	1e-03	5e-15	1e-04
6:	7.3824e+00	7.3824e+00	4e-05	1e-05	1e-15	1e-06
7:	7.3825e+00	7.3825e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5028e+00	3.5078e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3385e+00	6.3398e+00	1e+00	4e-01	1e-15	3e-02
3:	6.7761e+00	6.7764e+00	2e-01	7e-02	9e-16	5e-03
4:	6.8056e+00	6.8057e+00	5e-02	2e-02	1e-14	1e-03
5:	6.8144e+00	6.8144e+00	3e-02	1e-02	6e-15	8e-04
6:	6.8227e+00	6.8227e+00	1e-03	3e-04	4e-15	2e-05
7:	6.8229e+00	6.8229e+00	1e-05	4e-06	5e-15	3e-07
8:	6.8230e+00	6.8230e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6394e+00	3.6378e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0729e+00	6.0724e+00	1e+00	5e-01	2e-15	4e-02
3:	6.5973e+00	6.5971e+00	3e-01	1e-01	1e-15	9e-03
4:	6.7254e+00	6.7254e+00	6e-02	2e-02	2e-15	1e-03
5:	6.7479e+00	6.7479e+00	6e-03	2e-03	5e-15	2e-04
6:	6.7500e+00	6.7500e+00	4e-04	1e-04	6e-14	1e-05
7:	6.7502e+00	6.7502e+00	4e-06	1e-06	9e-15	1e-07
8:	6.7502e+00	6.7502e+00	4e-08	1e-08	7e-15	1e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9756e+00	4.9760e+00	6e+00	2e+00	2e-16	2e-01
2:	7.6340e+00	7.6341e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9744e+00	7.9744e+00	1e-01	3e-02	4e-15	3e-03
4:	7.9997e+00	7.9997e+00	1e-03	3e-04	9e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	3e-06	7e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4569e+00	4.4591e+00	6e+00	2e+00	2e-16	1e-01
2:	7.5409e+00	7.5416e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9094e+00	7.9095e+00	2e-01	7e-02	2e-15	5e-03
4:	7.9831e+00	7.9832e+00	3e-02	9e-03	5e-15	7e-04
5:	7.9905e+00	7.9906e+00	6e-03	2e-03	1e-14	2e-04
6:	7.9927e+00	7.9927e+00	5e-04	1e-04	1e-14	1e-05
7:	7.9929e+00	7.9929e+00	5e-06	1e-06	1e-14	1e-07
8:	7.9929e+00	7.9929e+00	5e-08	1e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1521e+00	3.1503e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3369e+00	5.3360e+00	2e+00	5e-01	1e-15	4e-02
3:	5.7133e+00	5.7127e+00	6e-01	2e-01	1e-15	1e-02
4:	5.9100e+00	5.9099e+00	9e-02	3e-02	8e-16	2e-03
5:	5.9476e+00	5.9476e+00	6e-03	2e-03	6e-16	1e-04
6:	5.9496e+00	5.9496e+00	6e-05	2e-05	6e-16	1e-06
7:	5.9496e+00	5.9496e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9604e+00	3.9616e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6001e+00	6.6006e+00	2e+00	6e-01	2e-15	5e-02
3:	7.1690e+00	7.1692e+00	4e-01	1e-01	2e-15	9e-03
4:	7.3117e+00	7.3118e+00	4e-02	1e-02	2e-15	1e-03
5:	7.3262e+00	7.3262e+00	6e-03	2e-03	3e-15	1e-04
6:	7.3283e+00	7.3283e+00	5e-04	2e-04	2e-14	1e-05
7:	7.3285e+00	7.3285e+00	5e-06	2e-06	9e-16	1e-07
8:	7.3285e+00	7.3285e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7366e+00	3.7417e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5852e+00	5.5875e+00	2e+00	7e-01	1e-15	5e-02
3:	6.1126e+00	6.1133e+00	6e-01	2e-01	1e-15	1e-02
4:	6.3039e+00	6.3041e+00	1e-01	3e-02	7e-16	2e-03

5:	6.3311e+00	6.3311e+00	5e-03	1e-03	1e-15	1e-04
6:	6.3326e+00	6.3326e+00	5e-05	2e-05	1e-15	1e-06
7:	6.3326e+00	6.3326e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4865e+00	2.4842e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9646e+00	4.9638e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2409e+00	5.2405e+00	4e-01	1e-01	2e-15	1e-02
4:	5.3976e+00	5.3975e+00	9e-02	3e-02	1e-15	2e-03
5:	5.4302e+00	5.4302e+00	4e-03	1e-03	8e-16	1e-04
6:	5.4316e+00	5.4316e+00	4e-05	1e-05	1e-15	1e-06
7:	5.4316e+00	5.4316e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1366e+00	2.1339e+00	5e+00	2e+00	2e-16	2e-01
2:	4.3634e+00	4.3624e+00	1e+00	3e-01	2e-15	3e-02
3:	4.6890e+00	4.6886e+00	3e-01	1e-01	2e-15	9e-03
4:	4.7703e+00	4.7702e+00	7e-02	2e-02	5e-15	2e-03
5:	4.7831e+00	4.7830e+00	3e-02	9e-03	8e-15	7e-04
6:	4.7939e+00	4.7939e+00	2e-03	6e-04	1e-15	5e-05
7:	4.7945e+00	4.7945e+00	2e-05	6e-06	2e-15	5e-07
8:	4.7945e+00	4.7945e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3727e+00	4.3743e+00	6e+00	2e+00	2e-16	1e-01
2:	6.5255e+00	6.5261e+00	2e+00	5e-01	2e-15	4e-02
3:	7.0695e+00	7.0696e+00	3e-01	1e-01	2e-15	8e-03
4:	7.1914e+00	7.1914e+00	6e-02	2e-02	2e-15	1e-03
5:	7.2126e+00	7.2126e+00	5e-03	1e-03	2e-15	1e-04
6:	7.2140e+00	7.2140e+00	5e-04	1e-04	3e-14	1e-05
7:	7.2141e+00	7.2141e+00	7e-06	2e-06	2e-13	2e-07
8:	7.2141e+00	7.2141e+00	7e-08	2e-08	1e-13	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0958e+00	4.0994e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4783e+00	6.4794e+00	1e+00	5e-01	1e-15	4e-02
3:	6.9748e+00	6.9752e+00	5e-01	1e-01	1e-15	1e-02
4:	7.1950e+00	7.1951e+00	6e-02	2e-02	2e-15	1e-03
5:	7.2174e+00	7.2174e+00	4e-03	1e-03	3e-15	1e-04
6:	7.2194e+00	7.2194e+00	5e-05	2e-05	3e-15	1e-06
7:	7.2195e+00	7.2195e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	3.6241e+00	3.6319e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7356e+00	5.7384e+00	2e+00	5e-01	1e-15	4e-02
3:	6.1990e+00	6.1997e+00	4e-01	1e-01	8e-16	9e-03
4:	6.3548e+00	6.3549e+00	7e-02	2e-02	7e-16	2e-03
5:	6.3783e+00	6.3783e+00	7e-03	2e-03	4e-15	2e-04
6:	6.3804e+00	6.3804e+00	6e-04	2e-04	3e-14	1e-05
7:	6.3806e+00	6.3806e+00	6e-06	2e-06	3e-15	1e-07
8:	6.3806e+00	6.3806e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3456e+00	4.3505e+00	7e+00	2e+00	2e-16	1e-01
2:	6.8423e+00	6.8445e+00	2e+00	7e-01	1e-15	5e-02
3:	7.4768e+00	7.4776e+00	6e-01	2e-01	9e-16	1e-02
4:	7.6393e+00	7.6394e+00	8e-02	3e-02	2e-15	2e-03
5:	7.6697e+00	7.6698e+00	4e-03	1e-03	6e-16	9e-05
6:	7.6709e+00	7.6709e+00	4e-05	1e-05	6e-16	9e-07
7:	7.6709e+00	7.6709e+00	4e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7954e+00	3.7951e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2047e+00	6.2046e+00	2e+00	6e-01	2e-15	4e-02
3:	6.7312e+00	6.7312e+00	4e-01	1e-01	1e-15	1e-02
4:	6.8951e+00	6.8950e+00	7e-02	2e-02	8e-16	2e-03
5:	6.9195e+00	6.9195e+00	6e-03	2e-03	4e-15	1e-04
6:	6.9215e+00	6.9215e+00	1e-04	4e-05	6e-14	3e-06
7:	6.9215e+00	6.9215e+00	1e-06	4e-07	4e-14	3e-08
8:	6.9215e+00	6.9215e+00	1e-08	4e-09	6e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6095e+00	3.6119e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5479e+00	6.5489e+00	2e+00	6e-01	2e-15	4e-02
3:	6.8909e+00	6.8912e+00	5e-01	2e-01	2e-15	1e-02
4:	7.0403e+00	7.0405e+00	1e-01	4e-02	1e-15	3e-03
5:	7.0837e+00	7.0837e+00	2e-02	8e-03	8e-16	6e-04
6:	7.0913e+00	7.0913e+00	8e-04	3e-04	6e-15	2e-05
7:	7.0916e+00	7.0916e+00	9e-06	3e-06	1e-15	2e-07
8:	7.0916e+00	7.0916e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9036e+00	4.9057e+00	6e+00	2e+00	3e-16	1e-01
2:	7.2871e+00	7.2877e+00	1e+00	4e-01	1e-15	3e-02
3:	7.7740e+00	7.7741e+00	2e-01	6e-02	2e-15	4e-03
4:	7.8231e+00	7.8232e+00	4e-02	1e-02	5e-15	9e-04
5:	7.8377e+00	7.8377e+00	7e-04	2e-04	4e-15	2e-05

6:	7.8380e+00	7.8380e+00	7e-06	2e-06	3e-15	2e-07
7:	7.8380e+00	7.8380e+00	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1655e+00	3.1692e+00	6e+00	2e+00	3e-16	1e-01
2:	5.3291e+00	5.3303e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6997e+00	5.7000e+00	3e-01	8e-02	1e-15	6e-03
4:	5.7760e+00	5.7760e+00	5e-02	1e-02	2e-15	1e-03
5:	5.7925e+00	5.7925e+00	3e-03	1e-03	4e-15	8e-05
6:	5.7936e+00	5.7936e+00	3e-05	1e-05	5e-15	8e-07
7:	5.7936e+00	5.7936e+00	3e-07	1e-07	6e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8854e+00	2.8832e+00	6e+00	2e+00	3e-16	2e-01
2:	5.0311e+00	5.0302e+00	2e+00	5e-01	2e-15	4e-02
3:	5.5872e+00	5.5869e+00	4e-01	1e-01	1e-15	1e-02
4:	5.7817e+00	5.7816e+00	8e-02	2e-02	3e-15	2e-03
5:	5.8111e+00	5.8111e+00	2e-03	5e-04	4e-15	4e-05
6:	5.8117e+00	5.8117e+00	2e-05	5e-06	1e-15	4e-07
7:	5.8117e+00	5.8117e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8562e+00	4.8592e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3384e+00	7.3393e+00	1e+00	5e-01	1e-15	4e-02
3:	7.9234e+00	7.9236e+00	3e-01	8e-02	1e-15	6e-03
4:	7.9718e+00	7.9720e+00	8e-02	2e-02	1e-14	2e-03
5:	7.9996e+00	7.9996e+00	1e-03	4e-04	1e-15	3e-05
6:	8.0000e+00	8.0000e+00	1e-05	4e-06	4e-15	3e-07
7:	8.0000e+00	8.0000e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7593e+00	3.7600e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5119e+00	6.5121e+00	2e+00	5e-01	1e-15	4e-02
3:	7.0956e+00	7.0957e+00	3e-01	9e-02	2e-15	7e-03
4:	7.1680e+00	7.1680e+00	3e-02	9e-03	5e-15	7e-04
5:	7.1775e+00	7.1775e+00	6e-03	2e-03	1e-15	1e-04
6:	7.1793e+00	7.1793e+00	7e-05	2e-05	4e-15	2e-06
7:	7.1793e+00	7.1793e+00	7e-07	2e-07	3e-15	2e-08
8:	7.1793e+00	7.1793e+00	7e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0904e+00	3.0945e+00	7e+00	2e+00	3e-16	2e-01
2:	5.4916e+00	5.4930e+00	1e+00	4e-01	9e-16	3e-02

3:	5.8617e+00	5.8618e+00	2e-01	5e-02	5e-16	4e-03
4:	5.9036e+00	5.9037e+00	5e-02	2e-02	1e-15	1e-03
5:	5.9112e+00	5.9112e+00	1e-02	4e-03	2e-15	3e-04
6:	5.9159e+00	5.9159e+00	2e-04	6e-05	9e-16	5e-06
7:	5.9160e+00	5.9160e+00	2e-06	6e-07	8e-16	5e-08
8:	5.9160e+00	5.9160e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8682e+00	4.8680e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5437e+00	7.5436e+00	1e+00	4e-01	3e-15	3e-02
3:	7.9442e+00	7.9442e+00	2e-01	6e-02	1e-15	4e-03
4:	7.9900e+00	7.9900e+00	3e-02	1e-02	2e-14	8e-04
5:	7.9999e+00	7.9999e+00	3e-04	1e-04	9e-16	8e-06
6:	8.0000e+00	8.0000e+00	3e-06	1e-06	2e-15	8e-08
7:	8.0000e+00	8.0000e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7805e+00	4.7850e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6719e+00	7.6730e+00	1e+00	4e-01	1e-15	3e-02
3:	7.8905e+00	7.8912e+00	3e-01	9e-02	2e-15	7e-03
4:	7.9988e+00	7.9988e+00	4e-03	1e-03	5e-16	9e-05
5:	8.0000e+00	8.0000e+00	4e-05	1e-05	5e-16	9e-07
6:	8.0000e+00	8.0000e+00	4e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7153e+00	4.7183e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6687e+00	7.6696e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9040e+00	7.9045e+00	3e-01	9e-02	3e-15	7e-03
4:	7.9990e+00	7.9990e+00	3e-03	1e-03	7e-16	8e-05
5:	8.0000e+00	8.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	8.0000e+00	8.0000e+00	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6848e+00	2.6820e+00	6e+00	2e+00	3e-16	2e-01
2:	4.2708e+00	4.2697e+00	2e+00	5e-01	1e-15	5e-02
3:	4.8178e+00	4.8173e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9968e+00	4.9966e+00	1e-01	4e-02	8e-16	3e-03
5:	5.0277e+00	5.0276e+00	3e-02	1e-02	2e-15	9e-04
6:	5.0370e+00	5.0370e+00	5e-03	1e-03	4e-15	1e-04
7:	5.0385e+00	5.0385e+00	5e-05	2e-05	2e-15	1e-06
8:	5.0385e+00	5.0385e+00	5e-07	2e-07	2e-15	1e-08
9:	5.0385e+00	5.0385e+00	5e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6887e+00	4.6974e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5782e+00	7.5804e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9409e+00	7.9414e+00	2e-01	5e-02	5e-15	4e-03
4:	7.9994e+00	7.9994e+00	2e-03	6e-04	5e-16	4e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	6e-16	4e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7686e+00	3.7666e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1250e+00	6.1242e+00	1e+00	4e-01	2e-15	3e-02
3:	6.4554e+00	6.4552e+00	2e-01	7e-02	3e-15	6e-03
4:	6.5479e+00	6.5478e+00	6e-02	2e-02	9e-16	1e-03
5:	6.5631e+00	6.5631e+00	1e-02	4e-03	1e-15	3e-04
6:	6.5665e+00	6.5665e+00	2e-04	7e-05	4e-15	6e-06
7:	6.5666e+00	6.5666e+00	2e-06	7e-07	2e-15	6e-08
8:	6.5666e+00	6.5666e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1276e+00	4.1324e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8760e+00	6.8777e+00	2e+00	6e-01	1e-15	4e-02
3:	7.3946e+00	7.3953e+00	5e-01	2e-01	2e-15	1e-02
4:	7.5799e+00	7.5801e+00	1e-01	3e-02	1e-15	3e-03
5:	7.6211e+00	7.6211e+00	1e-02	4e-03	2e-15	3e-04
6:	7.6261e+00	7.6261e+00	2e-04	5e-05	4e-15	4e-06
7:	7.6261e+00	7.6261e+00	2e-06	5e-07	5e-15	4e-08
8:	7.6261e+00	7.6261e+00	2e-08	5e-09	5e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1222e+00	4.1275e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6371e+00	6.6390e+00	2e+00	6e-01	1e-15	4e-02
3:	7.1846e+00	7.1851e+00	4e-01	1e-01	1e-15	8e-03
4:	7.2896e+00	7.2898e+00	9e-02	3e-02	5e-15	2e-03
5:	7.3209e+00	7.3209e+00	2e-02	5e-03	2e-15	4e-04
6:	7.3254e+00	7.3254e+00	1e-03	4e-04	4e-15	3e-05
7:	7.3259e+00	7.3259e+00	1e-05	4e-06	2e-15	3e-07
8:	7.3259e+00	7.3259e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5976e+00	3.5962e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3130e+00	5.3122e+00	2e+00	7e-01	3e-15	5e-02
3:	6.2162e+00	6.2160e+00	4e-01	1e-01	1e-15	1e-02
4:	6.3564e+00	6.3563e+00	1e-01	4e-02	1e-15	4e-03
5:	6.3991e+00	6.3991e+00	2e-02	6e-03	2e-15	4e-04

6:	6.4058e+00	6.4058e+00	2e-03	8e-04	1e-15	6e-05
7:	6.4066e+00	6.4066e+00	3e-05	8e-06	2e-15	6e-07
8:	6.4066e+00	6.4066e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6572e+00	3.6598e+00	6e+00	2e+00	2e-16	1e-01
2:	5.2903e+00	5.2914e+00	2e+00	6e-01	1e-15	5e-02
3:	5.7497e+00	5.7500e+00	4e-01	1e-01	8e-16	1e-02
4:	5.8962e+00	5.8963e+00	1e-01	4e-02	8e-16	3e-03
5:	5.9315e+00	5.9315e+00	2e-02	7e-03	1e-15	5e-04
6:	5.9382e+00	5.9382e+00	3e-04	9e-05	1e-15	7e-06
7:	5.9383e+00	5.9383e+00	3e-06	9e-07	8e-16	7e-08
8:	5.9383e+00	5.9383e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1001e+00	4.0988e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6272e+00	6.6268e+00	1e+00	4e-01	3e-15	3e-02
3:	7.0463e+00	7.0461e+00	3e-01	1e-01	1e-15	9e-03
4:	7.1256e+00	7.1256e+00	6e-02	2e-02	2e-15	1e-03
5:	7.1428e+00	7.1428e+00	2e-02	8e-03	1e-15	6e-04
6:	7.1495e+00	7.1495e+00	2e-03	7e-04	1e-15	6e-05
7:	7.1501e+00	7.1501e+00	2e-05	8e-06	1e-14	6e-07
8:	7.1501e+00	7.1501e+00	2e-07	8e-08	9e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2729e+00	3.2703e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0626e+00	6.0618e+00	1e+00	3e-01	2e-15	3e-02
3:	6.2850e+00	6.2846e+00	3e-01	9e-02	2e-15	8e-03
4:	6.4070e+00	6.4069e+00	6e-02	2e-02	1e-15	2e-03
5:	6.4329e+00	6.4329e+00	4e-03	1e-03	4e-15	1e-04
6:	6.4345e+00	6.4345e+00	4e-05	1e-05	9e-16	1e-06
7:	6.4345e+00	6.4345e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0944e+00	4.0938e+00	6e+00	2e+00	3e-16	2e-01
2:	7.0734e+00	7.0732e+00	1e+00	4e-01	2e-15	3e-02
3:	7.3742e+00	7.3742e+00	2e-01	7e-02	2e-15	6e-03
4:	7.4550e+00	7.4550e+00	3e-02	1e-02	3e-15	8e-04
5:	7.4668e+00	7.4668e+00	1e-03	4e-04	2e-15	3e-05
6:	7.4672e+00	7.4672e+00	1e-05	4e-06	2e-15	3e-07
7:	7.4672e+00	7.4672e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	3.5329e+00	3.5297e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7517e+00	6.7503e+00	9e-01	3e-01	3e-15	2e-02
3:	7.0227e+00	7.0223e+00	2e-01	6e-02	2e-15	6e-03
4:	7.0749e+00	7.0748e+00	5e-02	2e-02	9e-15	1e-03
5:	7.0870e+00	7.0870e+00	1e-02	4e-03	2e-14	3e-04
6:	7.0917e+00	7.0917e+00	2e-04	7e-05	4e-15	5e-06
7:	7.0918e+00	7.0918e+00	2e-06	7e-07	4e-15	5e-08
8:	7.0918e+00	7.0918e+00	2e-08	7e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1346e+00	3.1358e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7740e+00	5.7744e+00	2e+00	5e-01	1e-15	4e-02
3:	6.0943e+00	6.0945e+00	7e-01	2e-01	1e-15	2e-02
4:	6.2162e+00	6.2163e+00	1e-01	4e-02	3e-15	3e-03
5:	6.2486e+00	6.2486e+00	4e-02	1e-02	1e-15	1e-03
6:	6.2597e+00	6.2597e+00	6e-03	2e-03	1e-15	1e-04
7:	6.2615e+00	6.2615e+00	9e-05	3e-05	3e-15	2e-06
8:	6.2615e+00	6.2615e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7298e+00	4.7306e+00	6e+00	2e+00	2e-16	2e-01
2:	7.1477e+00	7.1480e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5108e+00	7.5109e+00	2e-01	7e-02	8e-16	5e-03
4:	7.6057e+00	7.6057e+00	2e-02	6e-03	4e-15	5e-04
5:	7.6134e+00	7.6134e+00	2e-03	5e-04	9e-15	4e-05
6:	7.6140e+00	7.6140e+00	2e-05	6e-06	3e-14	5e-07
7:	7.6140e+00	7.6140e+00	2e-07	6e-08	3e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8532e+00	4.8560e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8850e+00	7.8858e+00	1e+00	4e-01	2e-15	3e-02
3:	8.3358e+00	8.3360e+00	2e-01	7e-02	3e-15	6e-03
4:	8.4196e+00	8.4197e+00	7e-02	2e-02	4e-15	2e-03
5:	8.4326e+00	8.4326e+00	2e-02	6e-03	2e-14	5e-04
6:	8.4395e+00	8.4395e+00	2e-03	7e-04	7e-15	5e-05
7:	8.4404e+00	8.4404e+00	2e-05	7e-06	2e-15	6e-07
8:	8.4404e+00	8.4404e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0811e+00	5.0852e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8606e+00	7.8619e+00	2e+00	5e-01	2e-15	4e-02
3:	8.3225e+00	8.3228e+00	4e-01	1e-01	1e-15	9e-03
4:	8.4166e+00	8.4167e+00	4e-02	1e-02	5e-15	9e-04
5:	8.4298e+00	8.4298e+00	2e-03	6e-04	1e-15	5e-05



6:	8.4303e+00	8.4303e+00	2e-05	6e-06	2e-15	5e-07
7:	8.4303e+00	8.4303e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5511e+00	5.5568e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4114e+00	8.4130e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9670e+00	8.9671e+00	1e-01	4e-02	2e-15	3e-03
4:	8.9997e+00	8.9997e+00	1e-03	4e-04	1e-15	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	1e-15	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7304e+00	4.7375e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3368e+00	7.3397e+00	2e+00	6e-01	2e-15	4e-02
3:	7.8608e+00	7.8614e+00	4e-01	1e-01	9e-16	8e-03
4:	7.9283e+00	7.9286e+00	1e-01	4e-02	2e-15	3e-03
5:	7.9831e+00	7.9832e+00	2e-02	8e-03	8e-16	6e-04
6:	7.9921e+00	7.9921e+00	2e-03	5e-04	6e-15	4e-05
7:	7.9927e+00	7.9927e+00	2e-05	5e-06	1e-15	4e-07
8:	7.9927e+00	7.9927e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.3362e+00	3.3429e+00	7e+00	2e+00	3e-16	2e-01
2:	5.3618e+00	5.3642e+00	2e+00	6e-01	2e-15	5e-02
3:	6.0663e+00	6.0671e+00	7e-01	2e-01	1e-15	2e-02
4:	6.3055e+00	6.3056e+00	8e-02	2e-02	1e-15	2e-03
5:	6.3277e+00	6.3277e+00	9e-03	3e-03	4e-15	2e-04
6:	6.3311e+00	6.3311e+00	1e-04	4e-05	7e-16	3e-06
7:	6.3312e+00	6.3312e+00	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4259e+00	2.4225e+00	5e+00	2e+00	2e-16	2e-01
2:	4.5378e+00	4.5363e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9776e+00	4.9769e+00	3e-01	8e-02	3e-15	8e-03
4:	5.0726e+00	5.0725e+00	2e-02	6e-03	3e-15	5e-04
5:	5.0794e+00	5.0794e+00	3e-04	1e-04	1e-15	9e-06
6:	5.0795e+00	5.0795e+00	3e-06	1e-06	1e-15	9e-08
7:	5.0795e+00	5.0795e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0736e+00	3.0718e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5903e+00	5.5896e+00	1e+00	5e-01	2e-15	4e-02
3:	6.0524e+00	6.0522e+00	2e-01	7e-02	8e-16	6e-03

4:	6.1252e+00	6.1252e+00	5e-02	1e-02	2e-15	1e-03
5:	6.1409e+00	6.1409e+00	6e-04	2e-04	2e-15	2e-05
6:	6.1411e+00	6.1411e+00	6e-06	2e-06	2e-15	2e-07
7:	6.1411e+00	6.1411e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7218e+00	5.7249e+00	6e+00	2e+00	3e-16	1e-01
2:	7.7882e+00	7.7892e+00	1e+00	4e-01	2e-15	3e-02
3:	8.3287e+00	8.3290e+00	3e-01	9e-02	9e-16	7e-03
4:	8.4187e+00	8.4187e+00	6e-02	2e-02	3e-15	1e-03
5:	8.4390e+00	8.4390e+00	1e-03	4e-04	2e-15	3e-05
6:	8.4395e+00	8.4395e+00	1e-05	4e-06	9e-16	3e-07
7:	8.4395e+00	8.4395e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7439e+00	4.7447e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4702e+00	7.4705e+00	2e+00	5e-01	2e-15	4e-02
3:	8.0727e+00	8.0728e+00	6e-01	2e-01	3e-15	1e-02
4:	8.2467e+00	8.2467e+00	1e-01	4e-02	3e-15	3e-03
5:	8.2978e+00	8.2978e+00	2e-02	6e-03	2e-15	5e-04
6:	8.3044e+00	8.3044e+00	5e-04	1e-04	8e-15	1e-05
7:	8.3045e+00	8.3045e+00	5e-06	1e-06	3e-15	1e-07
8:	8.3045e+00	8.3045e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2526e+00	3.2541e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2557e+00	5.2566e+00	3e+00	8e-01	1e-15	6e-02
3:	5.8998e+00	5.9003e+00	7e-01	2e-01	1e-15	2e-02
4:	6.1165e+00	6.1166e+00	1e-01	3e-02	7e-16	3e-03
5:	6.1491e+00	6.1491e+00	1e-02	4e-03	7e-16	3e-04
6:	6.1530e+00	6.1530e+00	2e-04	8e-05	2e-15	6e-06
7:	6.1531e+00	6.1531e+00	2e-06	8e-07	6e-16	6e-08
8:	6.1531e+00	6.1531e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1059e+00	6.1089e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6430e+00	8.6436e+00	9e-01	3e-01	2e-15	2e-02
3:	8.9698e+00	8.9699e+00	1e-01	4e-02	4e-15	3e-03
4:	8.9996e+00	8.9997e+00	1e-03	4e-04	2e-15	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	2e-15	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.9737e+00	4.9782e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8850e+00	7.8863e+00	1e+00	4e-01	2e-15	3e-02
3:	8.2847e+00	8.2851e+00	4e-01	1e-01	2e-15	9e-03
4:	8.4094e+00	8.4094e+00	3e-02	9e-03	1e-15	7e-04
5:	8.4169e+00	8.4169e+00	3e-04	9e-05	3e-15	7e-06
6:	8.4170e+00	8.4170e+00	3e-06	9e-07	2e-15	7e-08
7:	8.4170e+00	8.4170e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4957e+00	5.4960e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0306e+00	8.0307e+00	1e+00	4e-01	2e-15	3e-02
3:	8.6424e+00	8.6424e+00	2e-01	5e-02	1e-15	4e-03
4:	8.7105e+00	8.7105e+00	2e-03	7e-04	2e-15	6e-05
5:	8.7115e+00	8.7115e+00	2e-05	7e-06	1e-15	6e-07
6:	8.7115e+00	8.7115e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9371e+00	3.9434e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0014e+00	7.0038e+00	2e+00	6e-01	2e-15	4e-02
3:	7.4672e+00	7.4676e+00	4e-01	1e-01	2e-15	8e-03
4:	7.5539e+00	7.5540e+00	9e-02	3e-02	1e-15	2e-03
5:	7.5736e+00	7.5736e+00	2e-02	5e-03	3e-15	4e-04
6:	7.5790e+00	7.5790e+00	6e-04	2e-04	3e-15	2e-05
7:	7.5792e+00	7.5792e+00	6e-06	2e-06	3e-15	2e-07
8:	7.5792e+00	7.5792e+00	6e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3963e+00	4.3975e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5567e+00	6.5570e+00	1e+00	5e-01	1e-15	4e-02
3:	7.1139e+00	7.1140e+00	4e-01	1e-01	1e-15	9e-03
4:	7.2822e+00	7.2822e+00	6e-02	2e-02	1e-15	1e-03
5:	7.3092e+00	7.3092e+00	1e-02	3e-03	2e-15	3e-04
6:	7.3123e+00	7.3123e+00	3e-03	9e-04	4e-14	7e-05
7:	7.3135e+00	7.3135e+00	3e-05	9e-06	3e-15	7e-07
8:	7.3135e+00	7.3135e+00	3e-07	9e-08	5e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8962e+00	2.8976e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1418e+00	5.1422e+00	2e+00	5e-01	1e-15	4e-02
3:	5.7910e+00	5.7911e+00	3e-01	1e-01	8e-16	8e-03
4:	5.9029e+00	5.9030e+00	9e-02	3e-02	3e-15	2e-03
5:	5.9343e+00	5.9343e+00	1e-02	3e-03	3e-15	3e-04
6:	5.9377e+00	5.9377e+00	1e-04	3e-05	2e-15	3e-06
7:	5.9377e+00	5.9377e+00	1e-06	3e-07	2e-15	3e-08

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8: 5.9377e+00 5.9377e+00 1e-08 3e-09 3e-15 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7271e+00 3.7248e+00 6e+00 2e+00 2e-16 2e-01
2: 6.1147e+00 6.1138e+00 2e+00 5e-01 2e-15 5e-02
3: 6.7944e+00 6.7941e+00 3e-01 8e-02 3e-15 7e-03
4: 6.8659e+00 6.8658e+00 7e-02 2e-02 2e-15 2e-03
5: 6.8900e+00 6.8899e+00 2e-02 7e-03 3e-15 6e-04
6: 6.8961e+00 6.8961e+00 1e-03 4e-04 7e-15 3e-05
7: 6.8965e+00 6.8965e+00 1e-05 4e-06 1e-15 4e-07
8: 6.8965e+00 6.8965e+00 1e-07 4e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.6366e+00 5.6389e+00 7e+00 2e+00 2e-16 2e-01
2: 8.1822e+00 8.1829e+00 1e+00 5e-01 2e-15 3e-02
3: 8.5431e+00 8.5436e+00 5e-01 2e-01 3e-15 1e-02
4: 8.7096e+00 8.7097e+00 7e-02 2e-02 1e-15 2e-03
5: 8.7354e+00 8.7354e+00 2e-03 6e-04 1e-15 5e-05
6: 8.7362e+00 8.7362e+00 2e-05 6e-06 9e-16 5e-07
7: 8.7362e+00 8.7362e+00 2e-07 6e-08 1e-15 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.1482e+00 4.1455e+00 6e+00 2e+00 3e-16 2e-01
2: 7.1045e+00 7.1036e+00 9e-01 3e-01 2e-15 3e-02
3: 7.4858e+00 7.4855e+00 3e-01 8e-02 2e-15 7e-03
4: 7.5436e+00 7.5435e+00 8e-02 3e-02 4e-15 2e-03
5: 7.5749e+00 7.5749e+00 7e-03 2e-03 4e-15 2e-04
6: 7.5771e+00 7.5771e+00 9e-04 3e-04 1e-14 2e-05
7: 7.5773e+00 7.5773e+00 3e-04 9e-05 5e-13 7e-06
8: 7.5774e+00 7.5774e+00 4e-06 1e-06 1e-14 1e-07
9: 7.5774e+00 7.5774e+00 4e-08 1e-08 6e-14 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.5622e+00 5.5652e+00 6e+00 2e+00 2e-16 2e-01
2: 7.6432e+00 7.6449e+00 3e+00 8e-01 1e-15 6e-02
3: 8.3530e+00 8.3535e+00 6e-01 2e-01 1e-15 1e-02
4: 8.5316e+00 8.5317e+00 8e-02 3e-02 3e-15 2e-03
5: 8.5554e+00 8.5554e+00 1e-02 4e-03 2e-15 3e-04
6: 8.5604e+00 8.5604e+00 1e-03 3e-04 3e-15 2e-05
7: 8.5607e+00 8.5607e+00 1e-05 3e-06 9e-15 2e-07
8: 8.5607e+00 8.5607e+00 1e-07 3e-08 1e-14 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00

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1:	5.9644e+00	5.9673e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6057e+00	8.6066e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9815e+00	8.9815e+00	6e-02	2e-02	3e-15	2e-03
4:	8.9998e+00	8.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	6e-06	2e-06	6e-16	2e-07
6:	9.0000e+00	9.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.3212e+00	3.3352e+00	7e+00	2e+00	3e-16	2e-01
2:	5.0017e+00	5.0055e+00	2e+00	5e-01	7e-16	3e-02
3:	5.5164e+00	5.5174e+00	3e-01	1e-01	1e-15	7e-03
4:	5.6107e+00	5.6109e+00	5e-02	2e-02	1e-15	1e-03
5:	5.6290e+00	5.6290e+00	1e-03	3e-04	9e-16	3e-05
6:	5.6294e+00	5.6294e+00	1e-05	3e-06	2e-15	3e-07
7:	5.6294e+00	5.6294e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0472e+00	4.0502e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5733e+00	6.5743e+00	2e+00	5e-01	9e-16	4e-02
3:	7.1036e+00	7.1039e+00	5e-01	1e-01	1e-15	1e-02
4:	7.2435e+00	7.2435e+00	6e-02	2e-02	2e-15	1e-03
5:	7.2606e+00	7.2606e+00	2e-03	5e-04	2e-15	4e-05
6:	7.2610e+00	7.2610e+00	2e-05	5e-06	2e-15	4e-07
7:	7.2610e+00	7.2610e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6837e+00	3.6825e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4106e+00	6.4102e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6577e+00	6.6575e+00	5e-01	2e-01	5e-15	1e-02
4:	6.8065e+00	6.8065e+00	8e-02	3e-02	2e-15	2e-03
5:	6.8370e+00	6.8370e+00	1e-02	4e-03	1e-15	3e-04
6:	6.8403e+00	6.8403e+00	3e-03	9e-04	3e-15	7e-05
7:	6.8413e+00	6.8413e+00	3e-05	1e-05	1e-15	8e-07
8:	6.8413e+00	6.8413e+00	3e-07	1e-07	9e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2540e+00	4.2551e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2959e+00	7.2962e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5666e+00	7.5667e+00	2e-01	7e-02	1e-15	6e-03
4:	7.6375e+00	7.6376e+00	2e-02	7e-03	1e-15	6e-04
5:	7.6441e+00	7.6441e+00	8e-03	2e-03	8e-16	2e-04
6:	7.6461e+00	7.6461e+00	4e-04	1e-04	2e-15	9e-06
7:	7.6462e+00	7.6462e+00	4e-06	1e-06	5e-16	9e-08
8:	7.6462e+00	7.6462e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0273e+00	4.0315e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2664e+00	7.2679e+00	2e+00	6e-01	2e-15	4e-02
3:	7.7361e+00	7.7364e+00	3e-01	9e-02	1e-15	6e-03
4:	7.8426e+00	7.8427e+00	5e-02	2e-02	3e-15	1e-03
5:	7.8585e+00	7.8585e+00	2e-03	5e-04	5e-15	4e-05
6:	7.8591e+00	7.8591e+00	2e-05	5e-06	2e-15	4e-07
7:	7.8591e+00	7.8591e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.7000e+00	3.6968e+00	5e+00	2e+00	3e-16	2e-01
2:	6.4296e+00	6.4284e+00	1e+00	3e-01	2e-15	3e-02
3:	6.8700e+00	6.8696e+00	2e-01	7e-02	3e-15	6e-03
4:	6.9304e+00	6.9303e+00	5e-02	2e-02	1e-14	1e-03
5:	6.9400e+00	6.9400e+00	1e-02	3e-03	3e-14	3e-04
6:	6.9434e+00	6.9434e+00	2e-04	8e-05	3e-15	6e-06
7:	6.9435e+00	6.9435e+00	2e-06	8e-07	6e-15	6e-08
8:	6.9435e+00	6.9435e+00	2e-08	8e-09	6e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5431e+00	2.5453e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4989e+00	4.4995e+00	1e+00	3e-01	7e-16	2e-02
3:	4.8687e+00	4.8688e+00	2e-01	7e-02	1e-15	5e-03
4:	4.9600e+00	4.9601e+00	2e-02	5e-03	1e-15	4e-04
5:	4.9665e+00	4.9665e+00	2e-04	5e-05	1e-15	4e-06
6:	4.9666e+00	4.9666e+00	2e-06	5e-07	1e-15	4e-08
7:	4.9666e+00	4.9666e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8054e+00	3.8054e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2911e+00	6.2911e+00	2e+00	6e-01	2e-15	5e-02
3:	7.1426e+00	7.1426e+00	3e-01	9e-02	1e-15	7e-03
4:	7.2694e+00	7.2694e+00	5e-02	2e-02	1e-14	1e-03
5:	7.2818e+00	7.2818e+00	9e-03	3e-03	3e-14	2e-04
6:	7.2856e+00	7.2856e+00	1e-04	4e-05	1e-14	3e-06
7:	7.2857e+00	7.2857e+00	1e-06	4e-07	8e-15	3e-08
8:	7.2857e+00	7.2857e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.8058e+00	3.8141e+00	8e+00	2e+00	3e-16	2e-01
2:	6.6154e+00	6.6181e+00	2e+00	5e-01	1e-15	4e-02
3:	7.0304e+00	7.0315e+00	6e-01	2e-01	1e-15	1e-02

4:	7.1501e+00	7.1504e+00	9e-02	3e-02	2e-15	2e-03
5:	7.1756e+00	7.1756e+00	1e-02	5e-03	7e-16	4e-04
6:	7.1801e+00	7.1801e+00	1e-03	4e-04	6e-16	3e-05
7:	7.1805e+00	7.1805e+00	1e-05	4e-06	7e-16	3e-07
8:	7.1805e+00	7.1805e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5380e+00	4.5397e+00	6e+00	2e+00	3e-16	1e-01
2:	5.8858e+00	5.8863e+00	2e+00	5e-01	2e-15	4e-02
3:	6.4931e+00	6.4933e+00	4e-01	1e-01	2e-15	9e-03
4:	6.5783e+00	6.5784e+00	2e-01	5e-02	6e-15	4e-03
5:	6.6375e+00	6.6376e+00	1e-02	3e-03	9e-16	3e-04
6:	6.6412e+00	6.6412e+00	4e-04	1e-04	1e-15	1e-05
7:	6.6413e+00	6.6413e+00	4e-06	1e-06	1e-15	1e-07
8:	6.6413e+00	6.6413e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4730e+00	5.4782e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8786e+00	7.8804e+00	2e+00	5e-01	1e-15	4e-02
3:	8.5941e+00	8.5944e+00	3e-01	9e-02	2e-15	7e-03
4:	8.6958e+00	8.6958e+00	4e-02	1e-02	3e-15	8e-04
5:	8.7075e+00	8.7075e+00	9e-04	3e-04	4e-15	2e-05
6:	8.7078e+00	8.7078e+00	9e-06	3e-06	3e-15	2e-07
7:	8.7078e+00	8.7078e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9575e+00	2.9571e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4372e+00	5.4371e+00	2e+00	5e-01	1e-15	4e-02
3:	5.8093e+00	5.8093e+00	4e-01	1e-01	1e-15	1e-02
4:	5.8697e+00	5.8697e+00	1e-01	4e-02	2e-15	3e-03
5:	5.9098e+00	5.9098e+00	3e-02	9e-03	1e-15	7e-04
6:	5.9205e+00	5.9205e+00	1e-03	4e-04	7e-16	3e-05
7:	5.9209e+00	5.9209e+00	1e-05	4e-06	8e-16	3e-07
8:	5.9209e+00	5.9209e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0453e+00	4.0511e+00	7e+00	2e+00	2e-16	1e-01
2:	6.4212e+00	6.4232e+00	2e+00	5e-01	1e-15	4e-02
3:	6.8249e+00	6.8254e+00	3e-01	1e-01	1e-15	8e-03
4:	6.8888e+00	6.8891e+00	1e-01	3e-02	2e-15	3e-03
5:	6.9292e+00	6.9292e+00	2e-02	7e-03	9e-16	6e-04
6:	6.9381e+00	6.9381e+00	3e-04	8e-05	9e-16	6e-06
7:	6.9382e+00	6.9382e+00	3e-06	8e-07	8e-16	6e-08
8:	6.9382e+00	6.9382e+00	3e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4925e+00	4.4942e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1350e+00	7.1355e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5123e+00	7.5125e+00	3e-01	9e-02	4e-15	7e-03
4:	7.6430e+00	7.6431e+00	5e-02	2e-02	2e-15	1e-03
5:	7.6642e+00	7.6642e+00	9e-03	3e-03	4e-15	2e-04
6:	7.6676e+00	7.6676e+00	8e-04	3e-04	1e-14	2e-05
7:	7.6680e+00	7.6680e+00	9e-06	3e-06	3e-15	2e-07
8:	7.6680e+00	7.6680e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2123e+00	5.2131e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8744e+00	7.8747e+00	1e+00	5e-01	1e-15	4e-02
3:	8.4634e+00	8.4634e+00	2e-01	5e-02	2e-15	4e-03
4:	8.5158e+00	8.5158e+00	5e-02	1e-02	2e-15	1e-03
5:	8.5275e+00	8.5275e+00	9e-03	3e-03	2e-14	2e-04
6:	8.5308e+00	8.5308e+00	2e-04	6e-05	1e-15	5e-06
7:	8.5309e+00	8.5309e+00	2e-06	6e-07	1e-15	5e-08
8:	8.5309e+00	8.5309e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5257e+00	4.5240e+00	6e+00	2e+00	3e-16	2e-01
2:	7.3597e+00	7.3588e+00	2e+00	6e-01	2e-15	5e-02
3:	8.0928e+00	8.0925e+00	4e-01	1e-01	2e-15	1e-02
4:	8.2297e+00	8.2296e+00	9e-02	3e-02	3e-15	2e-03
5:	8.2555e+00	8.2555e+00	1e-02	4e-03	1e-14	3e-04
6:	8.2592e+00	8.2592e+00	2e-03	6e-04	1e-14	5e-05
7:	8.2599e+00	8.2599e+00	5e-05	2e-05	2e-15	1e-06
8:	8.2600e+00	8.2600e+00	5e-07	2e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0080e+00	5.0107e+00	6e+00	2e+00	2e-16	2e-01
2:	8.1660e+00	8.1669e+00	1e+00	4e-01	3e-15	3e-02
3:	8.4089e+00	8.4092e+00	3e-01	9e-02	5e-15	7e-03
4:	8.5001e+00	8.5002e+00	9e-02	3e-02	2e-15	2e-03
5:	8.5248e+00	8.5248e+00	1e-02	4e-03	2e-15	3e-04
6:	8.5296e+00	8.5296e+00	4e-04	1e-04	4e-15	1e-05
7:	8.5297e+00	8.5297e+00	4e-06	1e-06	2e-15	1e-07
8:	8.5297e+00	8.5297e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6487e+00	4.6553e+00	7e+00	2e+00	3e-16	2e-01



2:	7.0786e+00	7.0805e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5734e+00	7.5736e+00	2e-01	5e-02	2e-15	4e-03
4:	7.6104e+00	7.6105e+00	3e-02	1e-02	9e-15	8e-04
5:	7.6165e+00	7.6165e+00	2e-02	7e-03	6e-15	5e-04
6:	7.6236e+00	7.6236e+00	1e-03	4e-04	2e-15	3e-05
7:	7.6240e+00	7.6240e+00	1e-05	4e-06	2e-15	3e-07
8:	7.6240e+00	7.6240e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.4852e+00	3.4915e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1114e+00	6.1146e+00	2e+00	8e-01	1e-15	6e-02
3:	6.4244e+00	6.4261e+00	1e+00	3e-01	1e-15	2e-02
4:	6.7442e+00	6.7446e+00	2e-01	5e-02	1e-15	4e-03
5:	6.7922e+00	6.7923e+00	4e-02	1e-02	9e-16	1e-03
6:	6.8036e+00	6.8036e+00	8e-04	3e-04	2e-15	2e-05
7:	6.8038e+00	6.8038e+00	8e-06	3e-06	1e-15	2e-07
8:	6.8038e+00	6.8038e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5311e+00	3.5395e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3866e+00	6.3892e+00	2e+00	5e-01	9e-16	4e-02
3:	6.8342e+00	6.8354e+00	6e-01	2e-01	5e-16	1e-02
4:	6.9406e+00	6.9408e+00	8e-02	3e-02	3e-15	2e-03
5:	6.9599e+00	6.9600e+00	3e-02	8e-03	1e-15	6e-04
6:	6.9664e+00	6.9664e+00	1e-03	4e-04	2e-15	3e-05
7:	6.9667e+00	6.9667e+00	1e-04	4e-05	3e-14	3e-06
8:	6.9667e+00	6.9667e+00	3e-06	8e-07	3e-14	6e-08
9:	6.9667e+00	6.9667e+00	3e-08	8e-09	2e-13	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4303e+00	3.4304e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2852e+00	6.2853e+00	1e+00	4e-01	2e-15	3e-02
3:	6.5636e+00	6.5636e+00	2e-01	5e-02	2e-15	4e-03
4:	6.6153e+00	6.6153e+00	1e-02	4e-03	5e-16	3e-04
5:	6.6189e+00	6.6189e+00	1e-04	4e-05	1e-15	3e-06
6:	6.6189e+00	6.6189e+00	1e-06	4e-07	1e-15	3e-08
7:	6.6189e+00	6.6189e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6494e+00	4.6508e+00	6e+00	2e+00	2e-16	2e-01
2:	7.1618e+00	7.1625e+00	2e+00	6e-01	9e-16	5e-02
3:	7.6904e+00	7.6906e+00	3e-01	1e-01	1e-15	8e-03
4:	7.8006e+00	7.8007e+00	4e-02	1e-02	1e-15	9e-04
5:	7.8122e+00	7.8122e+00	4e-03	1e-03	2e-15	1e-04

6:	7.8138e+00	7.8138e+00	7e-05	2e-05	8e-16	2e-06
7:	7.8138e+00	7.8138e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7600e+00	3.7609e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5057e+00	6.5060e+00	1e+00	4e-01	1e-15	3e-02
3:	7.0035e+00	7.0035e+00	2e-01	6e-02	2e-15	5e-03
4:	7.0454e+00	7.0454e+00	3e-02	1e-02	7e-15	8e-04
5:	7.0550e+00	7.0550e+00	4e-03	1e-03	1e-15	1e-04
6:	7.0562e+00	7.0562e+00	6e-05	2e-05	1e-14	1e-06
7:	7.0562e+00	7.0562e+00	6e-07	2e-07	9e-15	1e-08
8:	7.0562e+00	7.0562e+00	6e-09	2e-09	2e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2205e+00	3.2207e+00	6e+00	2e+00	2e-16	1e-01
2:	5.1283e+00	5.1284e+00	9e-01	3e-01	1e-15	2e-02
3:	5.4536e+00	5.4537e+00	2e-01	5e-02	2e-15	4e-03
4:	5.5337e+00	5.5337e+00	2e-02	7e-03	2e-15	5e-04
5:	5.5438e+00	5.5438e+00	2e-03	8e-04	1e-15	6e-05
6:	5.5446e+00	5.5446e+00	2e-04	7e-05	4e-14	6e-06
7:	5.5447e+00	5.5447e+00	2e-06	7e-07	4e-15	6e-08
8:	5.5447e+00	5.5447e+00	2e-08	7e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2712e+00	5.2767e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4007e+00	8.4027e+00	2e+00	6e-01	2e-15	5e-02
3:	9.1645e+00	9.1652e+00	6e-01	2e-01	2e-15	1e-02
4:	9.3562e+00	9.3564e+00	1e-01	4e-02	4e-15	3e-03
5:	9.3985e+00	9.3985e+00	1e-02	3e-03	4e-15	2e-04
6:	9.4027e+00	9.4027e+00	8e-04	3e-04	9e-16	2e-05
7:	9.4030e+00	9.4030e+00	8e-06	3e-06	2e-15	2e-07
8:	9.4030e+00	9.4030e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7769e+00	5.7789e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3385e+00	8.3390e+00	1e+00	4e-01	2e-15	3e-02
3:	8.6999e+00	8.7001e+00	4e-01	1e-01	1e-15	9e-03
4:	8.8108e+00	8.8108e+00	6e-02	2e-02	1e-15	1e-03
5:	8.8303e+00	8.8303e+00	2e-03	8e-04	1e-15	6e-05
6:	8.8310e+00	8.8310e+00	2e-05	8e-06	8e-16	6e-07
7:	8.8310e+00	8.8310e+00	2e-07	8e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	1.7534e+00	1.7500e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9852e+00	3.9835e+00	1e+00	4e-01	2e-15	3e-02
3:	4.3042e+00	4.3032e+00	4e-01	1e-01	2e-15	1e-02
4:	4.3962e+00	4.3960e+00	1e-01	3e-02	2e-15	3e-03
5:	4.4138e+00	4.4138e+00	2e-02	7e-03	3e-15	6e-04
6:	4.4204e+00	4.4204e+00	4e-03	1e-03	6e-15	1e-04
7:	4.4216e+00	4.4216e+00	5e-05	2e-05	4e-15	1e-06
8:	4.4216e+00	4.4216e+00	5e-07	2e-07	7e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8283e+00	3.8274e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4947e+00	6.4943e+00	1e+00	5e-01	2e-15	4e-02
3:	6.8804e+00	6.8802e+00	4e-01	1e-01	3e-15	1e-02
4:	6.9943e+00	6.9942e+00	1e-01	4e-02	4e-15	3e-03
5:	7.0439e+00	7.0439e+00	3e-02	1e-02	1e-15	8e-04
6:	7.0552e+00	7.0552e+00	5e-04	1e-04	1e-15	1e-05
7:	7.0554e+00	7.0554e+00	5e-06	1e-06	1e-15	1e-07
8:	7.0554e+00	7.0554e+00	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7151e+00	4.7194e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4610e+00	7.4624e+00	1e+00	5e-01	1e-15	3e-02
3:	8.0590e+00	8.0592e+00	2e-01	6e-02	8e-16	5e-03
4:	8.1289e+00	8.1289e+00	1e-02	5e-03	3e-15	3e-04
5:	8.1334e+00	8.1334e+00	2e-04	5e-05	5e-15	4e-06
6:	8.1335e+00	8.1335e+00	2e-06	5e-07	5e-15	4e-08
7:	8.1335e+00	8.1335e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8691e+00	3.8708e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2832e+00	6.2838e+00	2e+00	5e-01	9e-16	4e-02
3:	6.9099e+00	6.9101e+00	4e-01	1e-01	2e-15	9e-03
4:	7.0227e+00	7.0228e+00	7e-02	2e-02	1e-15	2e-03
5:	7.0389e+00	7.0389e+00	7e-03	2e-03	2e-14	2e-04
6:	7.0408e+00	7.0408e+00	2e-04	5e-05	2e-14	4e-06
7:	7.0408e+00	7.0408e+00	2e-06	5e-07	7e-15	4e-08
8:	7.0408e+00	7.0408e+00	2e-08	5e-09	7e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4526e+00	5.4539e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5386e+00	7.5390e+00	2e+00	5e-01	1e-15	4e-02
3:	8.0023e+00	8.0025e+00	6e-01	2e-01	3e-15	2e-02
4:	8.0949e+00	8.0950e+00	2e-01	7e-02	4e-15	6e-03
5:	8.1748e+00	8.1748e+00	4e-02	1e-02	8e-16	9e-04

6:	8.1845e+00	8.1845e+00	5e-03	2e-03	3e-15	1e-04
7:	8.1861e+00	8.1861e+00	5e-05	2e-05	6e-16	1e-06
8:	8.1861e+00	8.1861e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3134e+00	3.3125e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4127e+00	5.4122e+00	2e+00	7e-01	2e-15	6e-02
3:	6.1722e+00	6.1720e+00	5e-01	2e-01	2e-15	1e-02
4:	6.3192e+00	6.3192e+00	1e-01	4e-02	1e-15	3e-03
5:	6.3632e+00	6.3632e+00	2e-02	5e-03	7e-15	4e-04
6:	6.3685e+00	6.3685e+00	3e-04	1e-04	4e-15	9e-06
7:	6.3687e+00	6.3687e+00	3e-06	1e-06	2e-15	9e-08
8:	6.3687e+00	6.3687e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7794e+00	3.7803e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6239e+00	6.6242e+00	2e+00	5e-01	2e-15	4e-02
3:	7.1294e+00	7.1295e+00	3e-01	9e-02	1e-15	7e-03
4:	7.2192e+00	7.2192e+00	4e-02	1e-02	2e-15	1e-03
5:	7.2364e+00	7.2364e+00	8e-04	3e-04	2e-15	2e-05
6:	7.2367e+00	7.2367e+00	8e-06	3e-06	1e-15	2e-07
7:	7.2367e+00	7.2367e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9123e+00	5.9167e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7324e+00	8.7338e+00	2e+00	6e-01	1e-15	4e-02
3:	9.3769e+00	9.3774e+00	5e-01	2e-01	2e-15	1e-02
4:	9.5452e+00	9.5453e+00	5e-02	2e-02	2e-15	1e-03
5:	9.5632e+00	9.5632e+00	4e-03	1e-03	1e-14	9e-05
6:	9.5644e+00	9.5644e+00	4e-05	1e-05	2e-14	1e-06
7:	9.5644e+00	9.5644e+00	4e-07	1e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1274e+00	4.1344e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9657e+00	6.9686e+00	2e+00	7e-01	1e-15	5e-02
3:	7.6417e+00	7.6424e+00	4e-01	1e-01	1e-15	1e-02
4:	7.7826e+00	7.7826e+00	5e-02	2e-02	9e-16	1e-03
5:	7.8004e+00	7.8004e+00	4e-03	1e-03	9e-16	8e-05
6:	7.8015e+00	7.8015e+00	4e-05	1e-05	1e-15	8e-07
7:	7.8015e+00	7.8015e+00	4e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3881e+00	5.3886e+00	6e+00	2e+00	2e-16	1e-01

2:	7.0972e+00	7.0974e+00	1e+00	4e-01	3e-15	4e-02
3:	7.6762e+00	7.6762e+00	3e-01	1e-01	2e-15	7e-03
4:	7.8117e+00	7.8117e+00	2e-02	6e-03	9e-16	5e-04
5:	7.8222e+00	7.8222e+00	3e-04	8e-05	9e-16	6e-06
6:	7.8223e+00	7.8223e+00	3e-06	8e-07	9e-16	6e-08
7:	7.8223e+00	7.8223e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2149e+00	5.2177e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2845e+00	7.2853e+00	2e+00	5e-01	2e-15	4e-02
3:	7.8508e+00	7.8510e+00	4e-01	1e-01	2e-15	9e-03
4:	8.0050e+00	8.0050e+00	7e-02	2e-02	9e-16	2e-03
5:	8.0300e+00	8.0300e+00	2e-03	7e-04	5e-15	5e-05
6:	8.0307e+00	8.0307e+00	2e-05	7e-06	1e-15	5e-07
7:	8.0307e+00	8.0307e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3841e+00	3.3838e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4856e+00	5.4855e+00	2e+00	6e-01	2e-15	5e-02
3:	6.0981e+00	6.0981e+00	4e-01	1e-01	1e-15	1e-02
4:	6.2139e+00	6.2139e+00	1e-01	3e-02	2e-15	2e-03
5:	6.2468e+00	6.2468e+00	2e-02	7e-03	8e-16	6e-04
6:	6.2536e+00	6.2536e+00	7e-04	2e-04	2e-15	2e-05
7:	6.2539e+00	6.2539e+00	7e-06	2e-06	7e-16	2e-07
8:	6.2539e+00	6.2539e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7373e+00	4.7429e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4507e+00	7.4523e+00	1e+00	5e-01	9e-16	3e-02
3:	8.0639e+00	8.0642e+00	3e-01	8e-02	1e-15	6e-03
4:	8.1121e+00	8.1123e+00	6e-02	2e-02	5e-15	2e-03
5:	8.1370e+00	8.1370e+00	7e-03	2e-03	6e-16	2e-04
6:	8.1384e+00	8.1385e+00	2e-03	6e-04	2e-14	5e-05
7:	8.1391e+00	8.1391e+00	2e-05	6e-06	1e-15	5e-07
8:	8.1391e+00	8.1391e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5795e+00	3.5809e+00	6e+00	2e+00	3e-16	1e-01
2:	5.4569e+00	5.4575e+00	2e+00	5e-01	1e-15	4e-02
3:	5.8641e+00	5.8642e+00	4e-01	1e-01	1e-15	9e-03
4:	6.0242e+00	6.0242e+00	3e-02	9e-03	4e-16	7e-04
5:	6.0335e+00	6.0335e+00	3e-04	9e-05	7e-16	7e-06
6:	6.0336e+00	6.0336e+00	3e-06	9e-07	6e-16	7e-08
7:	6.0336e+00	6.0336e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.9056e+00	2.9129e+00	7e+00	2e+00	3e-16	2e-01
2:	5.4506e+00	5.4528e+00	1e+00	4e-01	2e-15	3e-02
3:	5.8302e+00	5.8308e+00	4e-01	1e-01	1e-15	8e-03
4:	5.9343e+00	5.9344e+00	3e-02	9e-03	3e-15	7e-04
5:	5.9427e+00	5.9427e+00	4e-04	1e-04	8e-16	1e-05
6:	5.9428e+00	5.9428e+00	4e-06	1e-06	1e-15	1e-07
7:	5.9428e+00	5.9428e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5704e+00	2.5690e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9884e+00	4.9878e+00	2e+00	5e-01	1e-15	4e-02
3:	5.3731e+00	5.3729e+00	4e-01	1e-01	2e-15	1e-02
4:	5.5435e+00	5.5435e+00	7e-02	2e-02	5e-15	2e-03
5:	5.5597e+00	5.5597e+00	1e-02	4e-03	1e-14	3e-04
6:	5.5644e+00	5.5644e+00	2e-04	5e-05	2e-15	4e-06
7:	5.5644e+00	5.5644e+00	2e-06	5e-07	2e-15	4e-08
8:	5.5644e+00	5.5644e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8251e+00	3.8238e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0417e+00	6.0412e+00	2e+00	5e-01	2e-15	4e-02
3:	6.7707e+00	6.7705e+00	5e-01	2e-01	2e-15	1e-02
4:	6.9362e+00	6.9362e+00	9e-02	3e-02	4e-15	2e-03
5:	6.9642e+00	6.9642e+00	2e-02	6e-03	5e-15	5e-04
6:	6.9711e+00	6.9711e+00	6e-03	2e-03	3e-15	1e-04
7:	6.9730e+00	6.9730e+00	1e-04	4e-05	2e-14	3e-06
8:	6.9731e+00	6.9731e+00	1e-06	4e-07	4e-15	3e-08
9:	6.9731e+00	6.9731e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3317e+00	4.3383e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0003e+00	7.0026e+00	2e+00	6e-01	2e-15	4e-02
3:	7.5456e+00	7.5462e+00	4e-01	1e-01	1e-15	8e-03
4:	7.6928e+00	7.6929e+00	5e-02	1e-02	1e-15	1e-03
5:	7.7058e+00	7.7058e+00	1e-02	4e-03	6e-15	3e-04
6:	7.7086e+00	7.7086e+00	2e-03	5e-04	2e-14	4e-05
7:	7.7091e+00	7.7091e+00	2e-05	5e-06	3e-15	4e-07
8:	7.7091e+00	7.7091e+00	2e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4070e+00	5.4091e+00	7e+00	2e+00	2e-16	2e-01

2:	7.9936e+00	7.9942e+00	2e+00	5e-01	2e-15	4e-02
3:	8.5901e+00	8.5903e+00	4e-01	1e-01	1e-15	1e-02
4:	8.7921e+00	8.7922e+00	1e-01	3e-02	9e-16	3e-03
5:	8.8145e+00	8.8145e+00	4e-02	1e-02	2e-14	1e-03
6:	8.8305e+00	8.8305e+00	5e-03	2e-03	3e-15	1e-04
7:	8.8325e+00	8.8325e+00	1e-04	4e-05	1e-14	3e-06
8:	8.8325e+00	8.8325e+00	1e-06	4e-07	4e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5400e+00	4.5412e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2520e+00	7.2525e+00	1e+00	5e-01	2e-15	4e-02
3:	7.8346e+00	7.8347e+00	4e-01	1e-01	8e-16	9e-03
4:	7.9463e+00	7.9463e+00	5e-02	2e-02	4e-15	1e-03
5:	7.9667e+00	7.9667e+00	1e-03	4e-04	8e-16	3e-05
6:	7.9671e+00	7.9671e+00	1e-05	4e-06	8e-16	3e-07
7:	7.9672e+00	7.9672e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1782e+00	4.1794e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6518e+00	6.6522e+00	2e+00	5e-01	1e-15	4e-02
3:	7.1912e+00	7.1913e+00	5e-01	2e-01	7e-16	1e-02
4:	7.3418e+00	7.3419e+00	8e-02	3e-02	2e-15	2e-03
5:	7.3683e+00	7.3683e+00	1e-02	4e-03	5e-16	3e-04
6:	7.3728e+00	7.3728e+00	3e-04	9e-05	1e-15	7e-06
7:	7.3729e+00	7.3729e+00	3e-06	9e-07	7e-16	7e-08
8:	7.3729e+00	7.3729e+00	3e-08	9e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3726e+00	6.3750e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9753e+00	8.9762e+00	2e+00	6e-01	1e-15	4e-02
3:	9.6936e+00	9.6939e+00	5e-01	2e-01	2e-15	1e-02
4:	9.8043e+00	9.8044e+00	1e-01	3e-02	8e-15	3e-03
5:	9.8427e+00	9.8427e+00	2e-02	6e-03	2e-15	4e-04
6:	9.8481e+00	9.8481e+00	4e-04	1e-04	2e-15	9e-06
7:	9.8482e+00	9.8482e+00	4e-06	1e-06	1e-15	9e-08
8:	9.8482e+00	9.8482e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6096e+00	5.6165e+00	8e+00	2e+00	2e-16	2e-01
2:	9.0521e+00	9.0540e+00	1e+00	5e-01	9e-16	3e-02
3:	9.4952e+00	9.4958e+00	4e-01	1e-01	2e-15	8e-03
4:	9.6249e+00	9.6251e+00	8e-02	3e-02	2e-15	2e-03
5:	9.6477e+00	9.6477e+00	2e-02	5e-03	1e-14	4e-04
6:	9.6543e+00	9.6543e+00	2e-04	6e-05	2e-15	5e-06

7:	9.6544e+00	9.6544e+00	2e-06	6e-07	1e-15	5e-08
8:	9.6544e+00	9.6544e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4536e+00	4.4572e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8474e+00	6.8485e+00	1e+00	4e-01	2e-15	3e-02
3:	7.2131e+00	7.2135e+00	4e-01	1e-01	2e-15	9e-03
4:	7.3740e+00	7.3741e+00	8e-02	2e-02	9e-16	2e-03
5:	7.3995e+00	7.3995e+00	8e-03	2e-03	4e-15	2e-04
6:	7.4019e+00	7.4019e+00	3e-04	1e-04	2e-14	8e-06
7:	7.4020e+00	7.4020e+00	3e-06	1e-06	5e-15	8e-08
8:	7.4020e+00	7.4020e+00	3e-08	1e-08	7e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5242e+00	4.5264e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7830e+00	7.7839e+00	2e+00	6e-01	1e-15	4e-02
3:	8.2103e+00	8.2107e+00	4e-01	1e-01	3e-15	1e-02
4:	8.3854e+00	8.3854e+00	4e-02	1e-02	7e-16	9e-04
5:	8.3962e+00	8.3962e+00	3e-03	9e-04	7e-15	7e-05
6:	8.3973e+00	8.3973e+00	3e-05	9e-06	1e-15	7e-07
7:	8.3973e+00	8.3973e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1450e+00	3.1428e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8489e+00	5.8481e+00	1e+00	4e-01	3e-15	3e-02
3:	6.1912e+00	6.1910e+00	3e-01	1e-01	2e-15	9e-03
4:	6.3070e+00	6.3070e+00	4e-02	1e-02	2e-15	9e-04
5:	6.3211e+00	6.3211e+00	6e-03	2e-03	5e-15	2e-04
6:	6.3229e+00	6.3229e+00	3e-04	1e-04	2e-14	8e-06
7:	6.3230e+00	6.3230e+00	3e-06	1e-06	6e-15	8e-08
8:	6.3230e+00	6.3230e+00	3e-08	1e-08	5e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0615e+00	4.0701e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9949e+00	6.9973e+00	1e+00	4e-01	9e-16	3e-02
3:	7.3527e+00	7.3530e+00	1e-01	4e-02	6e-16	3e-03
4:	7.3987e+00	7.3987e+00	6e-03	2e-03	9e-16	1e-04
5:	7.4005e+00	7.4005e+00	6e-05	2e-05	9e-16	1e-06
6:	7.4005e+00	7.4005e+00	6e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9458e+00	4.9477e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2668e+00	8.2673e+00	1e+00	4e-01	1e-15	3e-02



3:	8.7132e+00	8.7133e+00	2e-01	7e-02	8e-16	6e-03
4:	8.7795e+00	8.7795e+00	4e-02	1e-02	8e-15	9e-04
5:	8.7881e+00	8.7881e+00	4e-03	1e-03	2e-14	9e-05
6:	8.7894e+00	8.7894e+00	1e-04	4e-05	2e-15	3e-06
7:	8.7894e+00	8.7894e+00	1e-06	4e-07	4e-15	3e-08
8:	8.7894e+00	8.7894e+00	1e-08	4e-09	5e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6335e+00	4.6348e+00	6e+00	2e+00	2e-16	2e-01
2:	7.3090e+00	7.3094e+00	2e+00	5e-01	1e-15	4e-02
3:	7.8804e+00	7.8805e+00	3e-01	1e-01	2e-15	8e-03
4:	7.9418e+00	7.9418e+00	1e-01	3e-02	5e-15	2e-03
5:	7.9726e+00	7.9726e+00	2e-02	6e-03	2e-15	5e-04
6:	7.9774e+00	7.9774e+00	3e-03	1e-03	1e-14	9e-05
7:	7.9785e+00	7.9785e+00	4e-05	1e-05	9e-16	9e-07
8:	7.9785e+00	7.9785e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5480e+00	4.5487e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4209e+00	7.4211e+00	1e+00	4e-01	2e-15	3e-02
3:	7.6711e+00	7.6712e+00	4e-01	1e-01	4e-15	1e-02
4:	7.8255e+00	7.8256e+00	2e-01	5e-02	2e-15	4e-03
5:	7.8692e+00	7.8692e+00	3e-03	1e-03	9e-16	9e-05
6:	7.8701e+00	7.8701e+00	3e-05	1e-05	8e-16	9e-07
7:	7.8701e+00	7.8701e+00	3e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9833e+00	4.9847e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0971e+00	8.0976e+00	1e+00	5e-01	1e-15	4e-02
3:	8.5290e+00	8.5292e+00	4e-01	1e-01	2e-15	9e-03
4:	8.6253e+00	8.6253e+00	1e-01	3e-02	5e-15	2e-03
5:	8.6632e+00	8.6632e+00	3e-03	8e-04	2e-15	6e-05
6:	8.6640e+00	8.6640e+00	3e-05	8e-06	3e-15	7e-07
7:	8.6640e+00	8.6640e+00	3e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0772e+00	4.0857e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9177e+00	6.9212e+00	2e+00	7e-01	2e-15	5e-02
3:	7.5762e+00	7.5772e+00	5e-01	2e-01	9e-16	1e-02
4:	7.7304e+00	7.7306e+00	9e-02	3e-02	2e-15	2e-03
5:	7.7562e+00	7.7562e+00	1e-02	4e-03	8e-15	3e-04
6:	7.7600e+00	7.7600e+00	5e-04	2e-04	4e-14	1e-05
7:	7.7601e+00	7.7601e+00	5e-06	2e-06	8e-15	1e-07
8:	7.7601e+00	7.7601e+00	5e-08	2e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4722e+00	3.4707e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9713e+00	5.9708e+00	1e+00	4e-01	3e-15	3e-02
3:	6.4514e+00	6.4513e+00	2e-01	7e-02	1e-15	6e-03
4:	6.5404e+00	6.5404e+00	2e-02	6e-03	3e-15	5e-04
5:	6.5471e+00	6.5471e+00	2e-04	7e-05	2e-15	6e-06
6:	6.5472e+00	6.5472e+00	2e-06	7e-07	1e-15	6e-08
7:	6.5472e+00	6.5472e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0072e+00	3.0077e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4905e+00	5.4908e+00	2e+00	6e-01	1e-15	4e-02
3:	5.9997e+00	5.9998e+00	6e-01	2e-01	3e-15	1e-02
4:	6.2233e+00	6.2233e+00	1e-01	5e-02	2e-15	4e-03
5:	6.2369e+00	6.2369e+00	8e-02	3e-02	1e-14	2e-03
6:	6.2619e+00	6.2619e+00	1e-02	4e-03	5e-15	3e-04
7:	6.2660e+00	6.2660e+00	3e-04	1e-04	5e-15	8e-06
8:	6.2662e+00	6.2662e+00	3e-06	1e-06	2e-15	8e-08
9:	6.2662e+00	6.2662e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6114e+00	3.6156e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8994e+00	5.9008e+00	2e+00	5e-01	1e-15	4e-02
3:	6.3650e+00	6.3654e+00	3e-01	1e-01	1e-15	8e-03
4:	6.4621e+00	6.4621e+00	2e-02	6e-03	3e-15	5e-04
5:	6.4676e+00	6.4676e+00	8e-03	2e-03	2e-15	2e-04
6:	6.4700e+00	6.4700e+00	9e-05	3e-05	2e-15	2e-06
7:	6.4701e+00	6.4701e+00	9e-07	3e-07	3e-15	2e-08
8:	6.4701e+00	6.4701e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5844e+00	3.5918e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8477e+00	5.8504e+00	2e+00	6e-01	1e-15	5e-02
3:	6.5701e+00	6.5709e+00	4e-01	1e-01	9e-16	1e-02
4:	6.6798e+00	6.6802e+00	2e-01	5e-02	6e-15	4e-03
5:	6.7256e+00	6.7257e+00	3e-02	9e-03	2e-15	7e-04
6:	6.7337e+00	6.7337e+00	3e-03	8e-04	3e-15	6e-05
7:	6.7347e+00	6.7347e+00	3e-05	8e-06	2e-15	7e-07
8:	6.7347e+00	6.7347e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8813e+00	3.8807e+00	6e+00	2e+00	2e-16	2e-01

2:	6.2170e+00	6.2167e+00	2e+00	5e-01	1e-15	4e-02
3:	6.6534e+00	6.6534e+00	4e-01	1e-01	1e-15	1e-02
4:	6.7732e+00	6.7732e+00	1e-01	4e-02	9e-16	3e-03
5:	6.8096e+00	6.8096e+00	1e-02	4e-03	2e-15	3e-04
6:	6.8126e+00	6.8126e+00	2e-04	5e-05	8e-15	4e-06
7:	6.8126e+00	6.8126e+00	2e-06	5e-07	5e-15	4e-08
8:	6.8126e+00	6.8126e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3035e+00	5.3131e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8920e+00	7.8953e+00	2e+00	6e-01	1e-15	4e-02
3:	8.6770e+00	8.6776e+00	3e-01	1e-01	2e-15	7e-03
4:	8.7586e+00	8.7588e+00	5e-02	2e-02	2e-14	1e-03
5:	8.7727e+00	8.7727e+00	8e-03	2e-03	9e-15	2e-04
6:	8.7756e+00	8.7756e+00	1e-03	3e-04	2e-15	2e-05
7:	8.7759e+00	8.7759e+00	1e-05	3e-06	1e-15	2e-07
8:	8.7759e+00	8.7759e+00	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4114e+00	5.4103e+00	6e+00	2e+00	2e-16	2e-01
2:	8.4504e+00	8.4500e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9286e+00	8.9284e+00	3e-01	1e-01	5e-15	8e-03
4:	9.0573e+00	9.0572e+00	8e-02	2e-02	2e-15	2e-03
5:	9.0801e+00	9.0800e+00	1e-02	3e-03	2e-15	3e-04
6:	9.0842e+00	9.0842e+00	1e-03	5e-04	8e-16	4e-05
7:	9.0847e+00	9.0847e+00	1e-04	4e-05	9e-15	3e-06
8:	9.0847e+00	9.0847e+00	1e-06	4e-07	1e-15	3e-08
9:	9.0847e+00	9.0847e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7214e+00	4.7237e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4410e+00	7.4416e+00	1e+00	3e-01	2e-15	2e-02
3:	7.8826e+00	7.8827e+00	2e-01	5e-02	1e-15	4e-03
4:	7.9140e+00	7.9141e+00	3e-02	1e-02	5e-15	8e-04
5:	7.9241e+00	7.9241e+00	3e-04	1e-04	2e-15	8e-06
6:	7.9242e+00	7.9242e+00	3e-06	1e-06	1e-15	8e-08
7:	7.9242e+00	7.9242e+00	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7148e+00	4.7162e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8323e+00	7.8328e+00	1e+00	5e-01	2e-15	4e-02
3:	8.1765e+00	8.1767e+00	4e-01	1e-01	1e-15	1e-02
4:	8.3540e+00	8.3540e+00	5e-02	2e-02	2e-15	1e-03
5:	8.3617e+00	8.3617e+00	3e-02	8e-03	3e-14	7e-04

6:	8.3717e+00	8.3717e+00	2e-03	7e-04	4e-15	5e-05
7:	8.3724e+00	8.3724e+00	8e-05	2e-05	2e-13	2e-06
8:	8.3725e+00	8.3725e+00	8e-07	2e-07	5e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9624e+00	5.9656e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5704e+00	8.5713e+00	1e+00	4e-01	1e-15	3e-02
3:	9.1075e+00	9.1077e+00	2e-01	8e-02	1e-15	6e-03
4:	9.1720e+00	9.1721e+00	4e-02	1e-02	7e-15	1e-03
5:	9.1891e+00	9.1891e+00	3e-03	8e-04	2e-15	6e-05
6:	9.1900e+00	9.1900e+00	3e-05	8e-06	2e-15	6e-07
7:	9.1900e+00	9.1900e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6486e+00	4.6522e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6633e+00	7.6643e+00	1e+00	4e-01	2e-15	3e-02
3:	8.1002e+00	8.1004e+00	3e-01	9e-02	9e-16	6e-03
4:	8.1863e+00	8.1863e+00	3e-02	8e-03	1e-15	6e-04
5:	8.1975e+00	8.1975e+00	3e-04	1e-04	5e-16	7e-06
6:	8.1977e+00	8.1977e+00	3e-06	1e-06	8e-16	7e-08
7:	8.1977e+00	8.1977e+00	3e-08	1e-08	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5700e+00	2.5735e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9414e+00	4.9426e+00	2e+00	6e-01	1e-15	4e-02
3:	5.3873e+00	5.3878e+00	5e-01	2e-01	9e-16	1e-02
4:	5.5020e+00	5.5022e+00	1e-01	5e-02	1e-15	3e-03
5:	5.5450e+00	5.5450e+00	4e-02	1e-02	9e-16	1e-03
6:	5.5554e+00	5.5554e+00	5e-03	2e-03	4e-15	1e-04
7:	5.5571e+00	5.5571e+00	6e-05	2e-05	8e-16	2e-06
8:	5.5571e+00	5.5571e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.8347e+00	3.8419e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3338e+00	6.3364e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9188e+00	6.9193e+00	3e-01	9e-02	1e-15	7e-03
4:	7.0082e+00	7.0083e+00	4e-02	1e-02	3e-15	1e-03
5:	7.0254e+00	7.0254e+00	4e-04	1e-04	4e-16	1e-05
6:	7.0256e+00	7.0256e+00	4e-06	1e-06	6e-16	1e-07
7:	7.0256e+00	7.0256e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6396e+00	3.6371e+00	6e+00	2e+00	2e-16	2e-01

2:	6.2553e+00	6.2544e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6541e+00	6.6537e+00	2e-01	8e-02	1e-15	7e-03
4:	6.7579e+00	6.7579e+00	2e-02	7e-03	2e-15	6e-04
5:	6.7659e+00	6.7659e+00	2e-04	7e-05	3e-15	6e-06
6:	6.7660e+00	6.7660e+00	2e-06	7e-07	5e-15	6e-08
7:	6.7660e+00	6.7660e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9494e+00	4.9567e+00	8e+00	2e+00	2e-16	2e-01
2:	7.0159e+00	7.0190e+00	2e+00	7e-01	8e-16	5e-02
3:	7.8846e+00	7.8856e+00	5e-01	2e-01	6e-16	1e-02
4:	8.0272e+00	8.0274e+00	1e-01	4e-02	9e-16	3e-03
5:	8.0580e+00	8.0580e+00	2e-02	7e-03	2e-15	6e-04
6:	8.0662e+00	8.0662e+00	3e-04	1e-04	7e-16	8e-06
7:	8.0663e+00	8.0663e+00	3e-06	1e-06	6e-16	8e-08
8:	8.0663e+00	8.0663e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1429e+00	4.1431e+00	6e+00	2e+00	3e-16	1e-01
2:	5.8446e+00	5.8447e+00	2e+00	5e-01	2e-15	4e-02
3:	6.3949e+00	6.3949e+00	4e-01	1e-01	3e-15	1e-02
4:	6.5281e+00	6.5281e+00	7e-02	2e-02	9e-16	2e-03
5:	6.5558e+00	6.5558e+00	1e-02	3e-03	1e-15	3e-04
6:	6.5595e+00	6.5595e+00	1e-04	3e-05	1e-15	3e-06
7:	6.5596e+00	6.5596e+00	1e-06	3e-07	1e-15	3e-08
8:	6.5596e+00	6.5596e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3812e+00	3.3833e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6464e+00	5.6472e+00	2e+00	5e-01	2e-15	4e-02
3:	6.2695e+00	6.2697e+00	3e-01	9e-02	7e-16	7e-03
4:	6.3083e+00	6.3084e+00	2e-01	5e-02	2e-15	4e-03
5:	6.3542e+00	6.3543e+00	7e-02	2e-02	1e-15	2e-03
6:	6.3660e+00	6.3660e+00	2e-02	8e-03	2e-15	6e-04
7:	6.3743e+00	6.3743e+00	7e-04	2e-04	1e-15	2e-05
8:	6.3745e+00	6.3745e+00	7e-06	2e-06	1e-15	2e-07
9:	6.3746e+00	6.3746e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3057e+00	5.3110e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9467e+00	7.9488e+00	2e+00	6e-01	1e-15	4e-02
3:	8.6557e+00	8.6561e+00	3e-01	1e-01	2e-15	8e-03
4:	8.7433e+00	8.7434e+00	6e-02	2e-02	3e-15	1e-03
5:	8.7644e+00	8.7644e+00	9e-04	3e-04	2e-15	2e-05

6:	8.7648e+00	8.7648e+00	9e-06	3e-06	3e-15	2e-07
7:	8.7648e+00	8.7648e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0149e+00	5.0210e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3593e+00	7.3616e+00	2e+00	6e-01	1e-15	5e-02
3:	7.8715e+00	7.8726e+00	8e-01	2e-01	1e-15	2e-02
4:	8.0661e+00	8.0663e+00	1e-01	3e-02	1e-15	2e-03
5:	8.0921e+00	8.0922e+00	4e-02	1e-02	6e-16	9e-04
6:	8.1042e+00	8.1042e+00	3e-03	1e-03	7e-16	7e-05
7:	8.1053e+00	8.1053e+00	2e-04	7e-05	8e-16	5e-06
8:	8.1054e+00	8.1054e+00	2e-06	7e-07	1e-15	5e-08
9:	8.1054e+00	8.1054e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8961e+00	4.8965e+00	6e+00	2e+00	3e-16	2e-01
2:	7.3850e+00	7.3851e+00	1e+00	5e-01	1e-15	4e-02
3:	7.9857e+00	7.9858e+00	4e-01	1e-01	2e-15	1e-02
4:	8.1578e+00	8.1578e+00	6e-02	2e-02	1e-15	2e-03
5:	8.1800e+00	8.1800e+00	8e-03	3e-03	1e-14	2e-04
6:	8.1832e+00	8.1832e+00	8e-05	3e-05	6e-16	2e-06
7:	8.1833e+00	8.1833e+00	8e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6522e+00	4.6584e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2820e+00	7.2846e+00	2e+00	8e-01	2e-15	6e-02
3:	8.3184e+00	8.3191e+00	5e-01	2e-01	2e-15	1e-02
4:	8.4761e+00	8.4763e+00	1e-01	4e-02	2e-15	3e-03
5:	8.5060e+00	8.5060e+00	2e-02	6e-03	5e-15	4e-04
6:	8.5127e+00	8.5127e+00	3e-03	8e-04	1e-15	6e-05
7:	8.5135e+00	8.5135e+00	7e-05	2e-05	2e-14	2e-06
8:	8.5135e+00	8.5135e+00	7e-07	2e-07	6e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0629e+00	4.0676e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7121e+00	6.7135e+00	2e+00	5e-01	2e-15	4e-02
3:	7.3227e+00	7.3230e+00	3e-01	1e-01	1e-15	7e-03
4:	7.3837e+00	7.3838e+00	1e-01	4e-02	6e-15	3e-03
5:	7.4343e+00	7.4343e+00	9e-03	3e-03	9e-16	2e-04
6:	7.4372e+00	7.4372e+00	9e-05	3e-05	2e-15	2e-06
7:	7.4372e+00	7.4372e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.1436e+00	3.1430e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4405e+00	5.4403e+00	2e+00	5e-01	1e-15	4e-02
3:	5.8917e+00	5.8916e+00	4e-01	1e-01	2e-15	9e-03
4:	6.0047e+00	6.0047e+00	6e-02	2e-02	1e-15	1e-03
5:	6.0263e+00	6.0263e+00	6e-03	2e-03	6e-16	2e-04
6:	6.0285e+00	6.0285e+00	6e-05	2e-05	8e-16	2e-06
7:	6.0285e+00	6.0285e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4171e+00	4.4196e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0785e+00	7.0795e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5744e+00	7.5747e+00	4e-01	1e-01	2e-15	9e-03
4:	7.7272e+00	7.7272e+00	6e-02	2e-02	8e-16	1e-03
5:	7.7435e+00	7.7435e+00	5e-03	2e-03	1e-14	1e-04
6:	7.7446e+00	7.7446e+00	4e-04	1e-04	1e-13	9e-06
7:	7.7447e+00	7.7447e+00	4e-06	1e-06	9e-15	9e-08
8:	7.7447e+00	7.7447e+00	4e-08	1e-08	2e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5319e+00	3.5334e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5015e+00	6.5020e+00	1e+00	4e-01	2e-15	3e-02
3:	6.7629e+00	6.7632e+00	5e-01	2e-01	2e-15	1e-02
4:	6.9513e+00	6.9514e+00	9e-02	3e-02	6e-16	2e-03
5:	6.9718e+00	6.9718e+00	3e-02	8e-03	1e-14	6e-04
6:	6.9809e+00	6.9809e+00	2e-03	5e-04	9e-16	4e-05
7:	6.9814e+00	6.9814e+00	2e-05	6e-06	7e-15	4e-07
8:	6.9814e+00	6.9814e+00	2e-07	6e-08	9e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4409e+00	5.4507e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2804e+00	8.2847e+00	2e+00	7e-01	2e-15	5e-02
3:	8.9000e+00	8.9013e+00	6e-01	2e-01	1e-15	1e-02
4:	9.1304e+00	9.1307e+00	1e-01	3e-02	1e-15	2e-03
5:	9.1609e+00	9.1609e+00	2e-02	6e-03	7e-15	4e-04
6:	9.1683e+00	9.1683e+00	2e-04	7e-05	8e-16	5e-06
7:	9.1684e+00	9.1684e+00	2e-06	7e-07	1e-15	5e-08
8:	9.1684e+00	9.1684e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7685e+00	6.7750e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6588e+00	9.6610e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0160e+01	1.0160e+01	4e-01	1e-01	3e-15	9e-03
4:	1.0313e+01	1.0313e+01	9e-02	3e-02	2e-15	2e-03
5:	1.0342e+01	1.0342e+01	2e-02	6e-03	1e-14	4e-04

6:	1.0349e+01	1.0349e+01	2e-04	6e-05	7e-16	5e-06
7:	1.0349e+01	1.0349e+01	2e-06	6e-07	2e-15	5e-08
8:	1.0349e+01	1.0349e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4181e+00	5.4188e+00	6e+00	2e+00	2e-16	2e-01
2:	8.1496e+00	8.1499e+00	1e+00	4e-01	2e-15	3e-02
3:	8.6879e+00	8.6880e+00	3e-01	9e-02	2e-15	7e-03
4:	8.7745e+00	8.7745e+00	7e-02	2e-02	5e-15	2e-03
5:	8.8053e+00	8.8053e+00	4e-03	1e-03	9e-16	1e-04
6:	8.8071e+00	8.8071e+00	4e-05	1e-05	1e-15	1e-06
7:	8.8071e+00	8.8071e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1374e+00	5.1372e+00	6e+00	2e+00	3e-16	2e-01
2:	8.3381e+00	8.3381e+00	1e+00	4e-01	2e-15	3e-02
3:	8.7339e+00	8.7339e+00	2e-01	7e-02	3e-15	6e-03
4:	8.8200e+00	8.8200e+00	2e-02	7e-03	2e-15	6e-04
5:	8.8273e+00	8.8273e+00	2e-04	8e-05	1e-15	6e-06
6:	8.8274e+00	8.8274e+00	2e-06	8e-07	2e-15	6e-08
7:	8.8274e+00	8.8274e+00	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3891e+00	5.3931e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2691e+00	9.2701e+00	1e+00	3e-01	2e-15	3e-02
3:	9.4560e+00	9.4562e+00	2e-01	6e-02	4e-15	4e-03
4:	9.5256e+00	9.5256e+00	4e-02	1e-02	2e-15	8e-04
5:	9.5347e+00	9.5348e+00	6e-03	2e-03	1e-14	1e-04
6:	9.5357e+00	9.5357e+00	8e-04	3e-04	3e-13	2e-05
7:	9.5360e+00	9.5360e+00	8e-06	3e-06	1e-14	2e-07
8:	9.5360e+00	9.5360e+00	8e-08	3e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4390e+00	4.4424e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8214e+00	7.8226e+00	2e+00	5e-01	1e-15	4e-02
3:	8.4369e+00	8.4372e+00	3e-01	9e-02	1e-15	7e-03
4:	8.4918e+00	8.4919e+00	1e-01	3e-02	6e-15	2e-03
5:	8.5181e+00	8.5181e+00	2e-02	8e-03	6e-15	6e-04
6:	8.5254e+00	8.5254e+00	1e-03	5e-04	1e-14	4e-05
7:	8.5259e+00	8.5259e+00	1e-05	5e-06	2e-15	4e-07
8:	8.5259e+00	8.5259e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	3.5346e+00	3.5376e+00	7e+00	2e+00	2e-16	2e-01
2:	6.0089e+00	6.0099e+00	2e+00	5e-01	1e-15	4e-02
3:	6.5398e+00	6.5401e+00	4e-01	1e-01	7e-16	9e-03
4:	6.6410e+00	6.6411e+00	7e-02	2e-02	3e-15	2e-03
5:	6.6579e+00	6.6579e+00	1e-02	5e-03	9e-15	4e-04
6:	6.6619e+00	6.6619e+00	7e-03	2e-03	5e-15	2e-04
7:	6.6642e+00	6.6642e+00	7e-04	2e-04	6e-15	2e-05
8:	6.6645e+00	6.6645e+00	1e-05	5e-06	5e-14	4e-07
9:	6.6645e+00	6.6645e+00	1e-07	5e-08	2e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8080e+00	6.8112e+00	6e+00	2e+00	2e-16	2e-01
2:	9.6516e+00	9.6529e+00	2e+00	6e-01	2e-15	5e-02
3:	1.0184e+01	1.0184e+01	5e-01	1e-01	3e-15	1e-02
4:	1.0363e+01	1.0363e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0409e+01	1.0409e+01	6e-03	2e-03	2e-15	2e-04
6:	1.0411e+01	1.0411e+01	6e-05	2e-05	1e-15	2e-06
7:	1.0411e+01	1.0411e+01	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1543e+00	5.1575e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6032e+00	7.6044e+00	2e+00	6e-01	7e-16	5e-02
3:	8.2604e+00	8.2609e+00	7e-01	2e-01	2e-15	2e-02
4:	8.4085e+00	8.4088e+00	3e-01	1e-01	4e-15	8e-03
5:	8.5313e+00	8.5314e+00	2e-02	6e-03	8e-16	4e-04
6:	8.5370e+00	8.5370e+00	2e-03	5e-04	2e-14	4e-05
7:	8.5374e+00	8.5374e+00	2e-04	6e-05	2e-13	5e-06
8:	8.5374e+00	8.5374e+00	4e-06	1e-06	2e-14	9e-08
9:	8.5374e+00	8.5374e+00	4e-08	1e-08	9e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5738e+00	5.5803e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4116e+00	8.4143e+00	2e+00	7e-01	1e-15	5e-02
3:	9.0691e+00	9.0694e+00	2e-01	8e-02	1e-15	6e-03
4:	9.1569e+00	9.1570e+00	6e-02	2e-02	2e-15	1e-03
5:	9.1742e+00	9.1742e+00	9e-03	3e-03	3e-15	2e-04
6:	9.1765e+00	9.1765e+00	5e-04	2e-04	8e-15	1e-05
7:	9.1767e+00	9.1767e+00	5e-06	2e-06	2e-15	1e-07
8:	9.1767e+00	9.1767e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0519e+00	5.0591e+00	8e+00	2e+00	3e-16	2e-01
2:	7.6419e+00	7.6441e+00	2e+00	6e-01	1e-15	4e-02
3:	8.1535e+00	8.1541e+00	4e-01	1e-01	1e-15	8e-03

4:	8.2545e+00	8.2546e+00	6e-02	2e-02	1e-15	1e-03
5:	8.2756e+00	8.2756e+00	1e-02	3e-03	7e-16	2e-04
6:	8.2787e+00	8.2787e+00	1e-04	3e-05	8e-16	3e-06
7:	8.2787e+00	8.2787e+00	1e-06	3e-07	1e-15	3e-08
8:	8.2787e+00	8.2787e+00	1e-08	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8448e+00	5.8471e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4753e+00	9.4760e+00	1e+00	4e-01	2e-15	3e-02
3:	9.7660e+00	9.7663e+00	3e-01	1e-01	2e-15	8e-03
4:	9.8878e+00	9.8878e+00	3e-02	9e-03	7e-16	7e-04
5:	9.8975e+00	9.8975e+00	3e-04	1e-04	9e-16	8e-06
6:	9.8976e+00	9.8976e+00	3e-06	1e-06	1e-15	8e-08
7:	9.8976e+00	9.8976e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8809e+00	3.8810e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2355e+00	6.2355e+00	2e+00	5e-01	1e-15	4e-02
3:	6.6989e+00	6.6989e+00	4e-01	1e-01	2e-15	1e-02
4:	6.8412e+00	6.8412e+00	8e-02	2e-02	1e-15	2e-03
5:	6.8639e+00	6.8639e+00	1e-02	3e-03	1e-15	2e-04
6:	6.8672e+00	6.8672e+00	3e-03	8e-04	1e-15	6e-05
7:	6.8680e+00	6.8680e+00	8e-05	2e-05	5e-15	2e-06
8:	6.8680e+00	6.8680e+00	8e-07	2e-07	1e-15	2e-08
9:	6.8680e+00	6.8680e+00	8e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.3193e+00	2.3262e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8357e+00	3.8375e+00	1e+00	4e-01	1e-15	3e-02
3:	4.3898e+00	4.3901e+00	2e-01	5e-02	1e-15	4e-03
4:	4.4283e+00	4.4283e+00	3e-02	1e-02	2e-15	8e-04
5:	4.4394e+00	4.4394e+00	3e-03	9e-04	1e-14	7e-05
6:	4.4404e+00	4.4404e+00	2e-04	6e-05	8e-16	5e-06
7:	4.4405e+00	4.4405e+00	2e-06	6e-07	2e-15	5e-08
8:	4.4405e+00	4.4405e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0698e+00	4.0708e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3111e+00	6.3115e+00	1e+00	4e-01	9e-16	3e-02
3:	6.8255e+00	6.8255e+00	1e-01	5e-02	7e-16	4e-03
4:	6.8698e+00	6.8698e+00	7e-03	2e-03	2e-15	2e-04
5:	6.8717e+00	6.8717e+00	7e-05	2e-05	4e-15	2e-06
6:	6.8717e+00	6.8717e+00	7e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7086e+00	4.7190e+00	7e+00	2e+00	3e-16	1e-01
2:	6.6113e+00	6.6143e+00	1e+00	4e-01	2e-15	3e-02
3:	7.0818e+00	7.0828e+00	4e-01	1e-01	1e-15	9e-03
4:	7.1800e+00	7.1803e+00	9e-02	3e-02	4e-15	2e-03
5:	7.2018e+00	7.2019e+00	3e-02	1e-02	2e-15	7e-04
6:	7.2108e+00	7.2108e+00	5e-04	1e-04	2e-15	1e-05
7:	7.2109e+00	7.2109e+00	5e-06	1e-06	3e-15	1e-07
8:	7.2109e+00	7.2109e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2422e+00	7.2472e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6497e+00	9.6516e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0847e+01	1.0848e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0894e+01	1.0894e+01	2e-01	5e-02	5e-15	4e-03
5:	1.0933e+01	1.0933e+01	2e-02	6e-03	9e-15	5e-04
6:	1.0939e+01	1.0939e+01	4e-04	1e-04	4e-15	9e-06
7:	1.0939e+01	1.0939e+01	3e-05	1e-05	3e-15	8e-07
8:	1.0939e+01	1.0939e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2317e+00	6.2345e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2770e+00	9.2777e+00	1e+00	4e-01	1e-15	3e-02
3:	9.5869e+00	9.5872e+00	5e-01	2e-01	5e-15	1e-02
4:	9.6811e+00	9.6812e+00	1e-01	4e-02	7e-15	3e-03
5:	9.7238e+00	9.7238e+00	3e-02	9e-03	4e-15	7e-04
6:	9.7322e+00	9.7322e+00	4e-03	1e-03	5e-15	1e-04
7:	9.7338e+00	9.7338e+00	6e-05	2e-05	9e-16	2e-06
8:	9.7338e+00	9.7338e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7795e+00	4.7814e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7278e+00	7.7285e+00	2e+00	6e-01	2e-15	4e-02
3:	8.4342e+00	8.4344e+00	3e-01	1e-01	1e-15	8e-03
4:	8.5168e+00	8.5169e+00	8e-02	3e-02	8e-15	2e-03
5:	8.5477e+00	8.5477e+00	4e-03	1e-03	1e-15	9e-05
6:	8.5487e+00	8.5487e+00	4e-05	1e-05	3e-15	9e-07
7:	8.5487e+00	8.5487e+00	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1071e+00	6.1140e+00	8e+00	2e+00	3e-16	2e-01
2:	8.9171e+00	8.9193e+00	2e+00	6e-01	2e-15	5e-02
3:	9.5715e+00	9.5722e+00	5e-01	2e-01	1e-15	1e-02

4:	9.8162e+00	9.8164e+00	1e-01	4e-02	3e-15	3e-03
5:	9.8578e+00	9.8579e+00	1e-02	3e-03	2e-14	2e-04
6:	9.8613e+00	9.8613e+00	1e-03	4e-04	3e-15	3e-05
7:	9.8618e+00	9.8618e+00	2e-05	6e-06	1e-15	4e-07
8:	9.8618e+00	9.8618e+00	2e-07	6e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0847e+00	6.0946e+00	8e+00	2e+00	3e-16	2e-01
2:	8.3176e+00	8.3214e+00	2e+00	7e-01	1e-15	5e-02
3:	9.2522e+00	9.2533e+00	5e-01	2e-01	8e-16	1e-02
4:	9.3343e+00	9.3352e+00	3e-01	9e-02	4e-15	7e-03
5:	9.4424e+00	9.4426e+00	6e-02	2e-02	1e-15	2e-03
6:	9.4581e+00	9.4582e+00	2e-02	7e-03	4e-15	5e-04
7:	9.4664e+00	9.4664e+00	3e-04	9e-05	2e-15	7e-06
8:	9.4665e+00	9.4665e+00	3e-06	9e-07	2e-15	7e-08
9:	9.4665e+00	9.4665e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1587e+00	4.1664e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8774e+00	6.8803e+00	2e+00	6e-01	2e-15	4e-02
3:	7.3704e+00	7.3712e+00	5e-01	2e-01	1e-15	1e-02
4:	7.5137e+00	7.5138e+00	5e-02	1e-02	2e-15	1e-03
5:	7.5284e+00	7.5284e+00	5e-04	2e-04	1e-15	1e-05
6:	7.5286e+00	7.5286e+00	5e-06	2e-06	2e-15	1e-07
7:	7.5286e+00	7.5286e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3115e+00	6.3112e+00	6e+00	2e+00	3e-16	2e-01
2:	8.8995e+00	8.8994e+00	1e+00	4e-01	3e-15	4e-02
3:	9.4487e+00	9.4486e+00	3e-01	1e-01	5e-15	9e-03
4:	9.5772e+00	9.5772e+00	7e-02	2e-02	5e-15	2e-03
5:	9.6079e+00	9.6079e+00	8e-03	3e-03	4e-15	2e-04
6:	9.6113e+00	9.6113e+00	9e-05	3e-05	7e-15	2e-06
7:	9.6113e+00	9.6113e+00	9e-07	3e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2711e+00	4.2750e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8763e+00	6.8775e+00	1e+00	5e-01	3e-15	3e-02
3:	7.4145e+00	7.4148e+00	3e-01	8e-02	1e-15	6e-03
4:	7.5021e+00	7.5021e+00	3e-02	9e-03	1e-15	7e-04
5:	7.5101e+00	7.5102e+00	2e-03	6e-04	2e-14	5e-05
6:	7.5106e+00	7.5106e+00	4e-04	1e-04	2e-13	9e-06
7:	7.5107e+00	7.5107e+00	9e-06	3e-06	1e-14	2e-07
8:	7.5107e+00	7.5107e+00	9e-08	3e-08	8e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1862e+00	6.1878e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2095e+00	9.2100e+00	2e+00	5e-01	9e-16	4e-02
3:	9.7770e+00	9.7772e+00	3e-01	1e-01	1e-15	8e-03
4:	9.8704e+00	9.8705e+00	5e-02	2e-02	3e-15	1e-03
5:	9.8863e+00	9.8863e+00	6e-03	2e-03	4e-15	1e-04
6:	9.8886e+00	9.8886e+00	7e-05	2e-05	9e-16	2e-06
7:	9.8887e+00	9.8887e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7394e+00	2.7402e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1826e+00	5.1830e+00	2e+00	6e-01	1e-15	4e-02
3:	5.7268e+00	5.7269e+00	4e-01	1e-01	8e-16	1e-02
4:	5.8294e+00	5.8294e+00	5e-02	2e-02	2e-15	1e-03
5:	5.8433e+00	5.8433e+00	8e-03	2e-03	1e-15	2e-04
6:	5.8451e+00	5.8451e+00	8e-05	3e-05	1e-15	2e-06
7:	5.8451e+00	5.8451e+00	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5548e+00	3.5649e+00	8e+00	2e+00	3e-16	2e-01
2:	6.2507e+00	6.2543e+00	2e+00	6e-01	5e-16	4e-02
3:	6.8752e+00	6.8767e+00	7e-01	2e-01	2e-15	2e-02
4:	7.0969e+00	7.0973e+00	1e-01	5e-02	1e-15	3e-03
5:	7.1359e+00	7.1360e+00	2e-02	7e-03	3e-15	6e-04
6:	7.1435e+00	7.1435e+00	2e-03	6e-04	8e-15	5e-05
7:	7.1441e+00	7.1441e+00	3e-05	9e-06	5e-14	6e-07
8:	7.1441e+00	7.1441e+00	3e-07	9e-08	8e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9016e+00	4.9010e+00	6e+00	2e+00	2e-16	2e-01
2:	7.8217e+00	7.8216e+00	1e+00	4e-01	3e-15	4e-02
3:	8.4631e+00	8.4630e+00	3e-01	9e-02	2e-15	8e-03
4:	8.5909e+00	8.5909e+00	3e-02	1e-02	8e-15	8e-04
5:	8.6001e+00	8.6001e+00	4e-03	1e-03	4e-14	1e-04
6:	8.6015e+00	8.6015e+00	8e-05	2e-05	9e-15	2e-06
7:	8.6015e+00	8.6015e+00	8e-07	2e-07	4e-14	2e-08
8:	8.6015e+00	8.6015e+00	8e-09	2e-09	4e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6419e+00	3.6404e+00	5e+00	2e+00	2e-16	1e-01
2:	5.4795e+00	5.4790e+00	1e+00	3e-01	2e-15	3e-02
3:	5.8954e+00	5.8953e+00	2e-01	8e-02	9e-16	6e-03

4:	6.0021e+00	6.0021e+00	5e-02	2e-02	2e-15	1e-03
5:	6.0179e+00	6.0179e+00	1e-02	3e-03	9e-15	2e-04
6:	6.0210e+00	6.0210e+00	2e-03	7e-04	2e-15	6e-05
7:	6.0218e+00	6.0218e+00	2e-05	8e-06	1e-15	6e-07
8:	6.0218e+00	6.0218e+00	2e-07	8e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.8598e+00	2.8670e+00	6e+00	2e+00	3e-16	1e-01
2:	5.0775e+00	5.0801e+00	2e+00	5e-01	8e-16	4e-02
3:	5.3874e+00	5.3882e+00	4e-01	1e-01	7e-16	8e-03
4:	5.4937e+00	5.4940e+00	1e-01	4e-02	1e-15	3e-03
5:	5.5226e+00	5.5227e+00	3e-02	1e-02	1e-15	7e-04
6:	5.5327e+00	5.5327e+00	2e-03	5e-04	3e-15	4e-05
7:	5.5332e+00	5.5332e+00	2e-05	7e-06	5e-14	5e-07
8:	5.5332e+00	5.5332e+00	2e-07	7e-08	3e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9656e+00	5.9751e+00	8e+00	2e+00	3e-16	2e-01
2:	8.7597e+00	8.7635e+00	3e+00	8e-01	1e-15	6e-02
3:	9.3533e+00	9.3550e+00	6e-01	2e-01	3e-15	2e-02
4:	9.5692e+00	9.5694e+00	7e-02	2e-02	2e-15	2e-03
5:	9.5939e+00	9.5940e+00	8e-03	2e-03	9e-16	2e-04
6:	9.5968e+00	9.5968e+00	1e-03	5e-04	1e-15	3e-05
7:	9.5974e+00	9.5974e+00	4e-05	1e-05	7e-16	1e-06
8:	9.5974e+00	9.5974e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4933e+00	5.4954e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7528e+00	7.7538e+00	2e+00	6e-01	1e-15	5e-02
3:	8.1810e+00	8.1814e+00	4e-01	1e-01	1e-15	1e-02
4:	8.3177e+00	8.3178e+00	8e-02	3e-02	1e-15	2e-03
5:	8.3427e+00	8.3427e+00	4e-03	1e-03	6e-16	1e-04
6:	8.3443e+00	8.3443e+00	5e-05	1e-05	6e-16	1e-06
7:	8.3443e+00	8.3443e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8207e+00	3.8215e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4913e+00	6.4916e+00	2e+00	6e-01	9e-16	5e-02
3:	7.2057e+00	7.2058e+00	3e-01	1e-01	1e-15	8e-03
4:	7.3011e+00	7.3011e+00	5e-02	2e-02	3e-15	1e-03
5:	7.3167e+00	7.3167e+00	3e-03	1e-03	2e-15	8e-05
6:	7.3176e+00	7.3176e+00	3e-05	1e-05	2e-15	8e-07
7:	7.3176e+00	7.3176e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9861e+00	2.9840e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3163e+00	5.3154e+00	1e+00	4e-01	2e-15	4e-02
3:	5.7021e+00	5.7018e+00	3e-01	1e-01	2e-15	9e-03
4:	5.7633e+00	5.7632e+00	9e-02	3e-02	2e-15	2e-03
5:	5.7966e+00	5.7966e+00	2e-02	7e-03	8e-16	5e-04
6:	5.8018e+00	5.8018e+00	5e-03	2e-03	5e-15	1e-04
7:	5.8035e+00	5.8035e+00	2e-04	5e-05	5e-15	4e-06
8:	5.8035e+00	5.8035e+00	2e-06	5e-07	2e-14	4e-08
9:	5.8035e+00	5.8035e+00	2e-08	5e-09	1e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1792e+00	4.1818e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8034e+00	6.8043e+00	1e+00	4e-01	2e-15	3e-02
3:	7.2871e+00	7.2872e+00	2e-01	7e-02	1e-15	6e-03
4:	7.3431e+00	7.3431e+00	5e-02	1e-02	2e-15	1e-03
5:	7.3597e+00	7.3597e+00	6e-03	2e-03	3e-14	1e-04
6:	7.3610e+00	7.3610e+00	7e-04	2e-04	2e-14	2e-05
7:	7.3612e+00	7.3612e+00	8e-06	2e-06	2e-13	2e-07
8:	7.3612e+00	7.3612e+00	8e-08	2e-08	1e-13	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8313e+00	3.8340e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1679e+00	6.1687e+00	1e+00	5e-01	2e-15	4e-02
3:	6.6561e+00	6.6565e+00	5e-01	2e-01	1e-15	1e-02
4:	6.7960e+00	6.7961e+00	8e-02	3e-02	2e-15	2e-03
5:	6.8246e+00	6.8246e+00	1e-02	4e-03	6e-16	3e-04
6:	6.8296e+00	6.8296e+00	2e-04	5e-05	2e-15	4e-06
7:	6.8296e+00	6.8296e+00	2e-06	5e-07	1e-15	4e-08
8:	6.8296e+00	6.8296e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2535e+00	5.2571e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4352e+00	8.4367e+00	2e+00	6e-01	1e-15	4e-02
3:	8.9716e+00	8.9722e+00	6e-01	2e-01	3e-15	1e-02
4:	9.1736e+00	9.1737e+00	1e-01	3e-02	1e-15	2e-03
5:	9.2003e+00	9.2003e+00	1e-02	4e-03	7e-15	3e-04
6:	9.2040e+00	9.2040e+00	3e-04	8e-05	2e-15	6e-06
7:	9.2041e+00	9.2041e+00	3e-06	8e-07	5e-15	6e-08
8:	9.2041e+00	9.2041e+00	3e-08	8e-09	5e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9856e+00	5.9882e+00	7e+00	2e+00	2e-16	2e-01

2:	9.4040e+00	9.4051e+00	2e+00	6e-01	1e-15	4e-02
3:	9.9204e+00	9.9207e+00	4e-01	1e-01	2e-15	9e-03
4:	1.0019e+01	1.0019e+01	9e-02	3e-02	7e-15	2e-03
5:	1.0038e+01	1.0038e+01	1e-02	4e-03	1e-14	3e-04
6:	1.0042e+01	1.0042e+01	2e-04	8e-05	5e-15	6e-06
7:	1.0042e+01	1.0042e+01	2e-06	8e-07	1e-15	6e-08
8:	1.0042e+01	1.0042e+01	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5203e+00	3.5206e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0863e+00	6.0864e+00	2e+00	5e-01	1e-15	4e-02
3:	6.5363e+00	6.5364e+00	5e-01	1e-01	8e-16	1e-02
4:	6.6964e+00	6.6964e+00	1e-01	4e-02	1e-15	3e-03
5:	6.7290e+00	6.7290e+00	1e-02	5e-03	6e-15	4e-04
6:	6.7349e+00	6.7349e+00	2e-04	5e-05	1e-15	4e-06
7:	6.7349e+00	6.7349e+00	2e-06	5e-07	2e-15	4e-08
8:	6.7349e+00	6.7349e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5966e+00	4.5974e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4613e+00	6.4615e+00	2e+00	5e-01	2e-15	4e-02
3:	7.0100e+00	7.0101e+00	4e-01	1e-01	2e-15	1e-02
4:	7.1450e+00	7.1450e+00	7e-02	2e-02	2e-15	2e-03
5:	7.1633e+00	7.1633e+00	1e-02	4e-03	9e-15	3e-04
6:	7.1681e+00	7.1681e+00	3e-04	8e-05	2e-15	6e-06
7:	7.1682e+00	7.1682e+00	3e-06	8e-07	1e-15	6e-08
8:	7.1682e+00	7.1682e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1478e+00	4.1458e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6026e+00	6.6019e+00	1e+00	4e-01	9e-16	4e-02
3:	7.3078e+00	7.3075e+00	2e-01	6e-02	1e-15	5e-03
4:	7.3754e+00	7.3754e+00	3e-02	1e-02	6e-15	8e-04
5:	7.3876e+00	7.3876e+00	5e-04	1e-04	2e-15	1e-05
6:	7.3878e+00	7.3878e+00	5e-06	1e-06	2e-15	1e-07
7:	7.3878e+00	7.3878e+00	5e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.4806e+00	6.4921e+00	8e+00	2e+00	3e-16	2e-01
2:	9.4145e+00	9.4180e+00	2e+00	5e-01	1e-15	4e-02
3:	9.7637e+00	9.7645e+00	4e-01	1e-01	2e-15	8e-03
4:	9.8920e+00	9.8923e+00	1e-01	4e-02	9e-16	3e-03
5:	9.9233e+00	9.9234e+00	2e-02	7e-03	2e-15	5e-04
6:	9.9302e+00	9.9302e+00	3e-03	9e-04	3e-15	6e-05



7:	9.9310e+00	9.9310e+00	4e-05	1e-05	2e-14	1e-06
8:	9.9310e+00	9.9310e+00	4e-07	1e-07	8e-15	1e-08
9:	9.9310e+00	9.9310e+00	4e-09	1e-09	1e-14	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6277e+00	5.6305e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2877e+00	8.2888e+00	2e+00	6e-01	2e-15	4e-02
3:	8.7652e+00	8.7655e+00	4e-01	1e-01	3e-15	9e-03
4:	8.8968e+00	8.8968e+00	6e-02	2e-02	1e-15	2e-03
5:	8.9257e+00	8.9257e+00	7e-04	2e-04	5e-16	2e-05
6:	8.9261e+00	8.9261e+00	7e-06	2e-06	6e-16	2e-07
7:	8.9261e+00	8.9261e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6530e+00	5.6637e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1789e+00	8.1828e+00	2e+00	6e-01	9e-16	4e-02
3:	8.7309e+00	8.7319e+00	4e-01	1e-01	1e-15	1e-02
4:	8.8907e+00	8.8910e+00	9e-02	3e-02	1e-15	2e-03
5:	8.8981e+00	8.8983e+00	5e-02	2e-02	1e-14	1e-03
6:	8.9150e+00	8.9151e+00	3e-03	9e-04	2e-15	7e-05
7:	8.9161e+00	8.9161e+00	3e-05	9e-06	2e-15	7e-07
8:	8.9161e+00	8.9161e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0828e+00	5.0833e+00	6e+00	2e+00	3e-16	2e-01
2:	8.0687e+00	8.0689e+00	1e+00	4e-01	7e-16	3e-02
3:	8.2596e+00	8.2597e+00	3e-01	1e-01	2e-15	8e-03
4:	8.3657e+00	8.3657e+00	5e-02	2e-02	7e-16	1e-03
5:	8.3832e+00	8.3832e+00	9e-03	3e-03	6e-16	2e-04
6:	8.3863e+00	8.3863e+00	1e-04	3e-05	1e-15	3e-06
7:	8.3864e+00	8.3864e+00	1e-06	3e-07	8e-16	3e-08
8:	8.3864e+00	8.3864e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2555e+00	7.2644e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0049e+01	1.0054e+01	2e+00	8e-01	1e-15	6e-02
3:	1.0678e+01	1.0680e+01	8e-01	3e-01	1e-15	2e-02
4:	1.0972e+01	1.0972e+01	1e-01	4e-02	2e-15	3e-03
5:	1.1012e+01	1.1012e+01	2e-03	7e-04	3e-15	5e-05
6:	1.1013e+01	1.1013e+01	2e-05	7e-06	2e-15	5e-07
7:	1.1013e+01	1.1013e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	5.1809e+00	5.1907e+00	8e+00	2e+00	3e-16	2e-01
2:	8.9053e+00	8.9088e+00	2e+00	5e-01	2e-15	4e-02
3:	9.2315e+00	9.2331e+00	6e-01	2e-01	1e-15	1e-02
4:	9.3945e+00	9.3948e+00	1e-01	3e-02	8e-16	3e-03
5:	9.4349e+00	9.4349e+00	8e-03	2e-03	3e-15	2e-04
6:	9.4375e+00	9.4375e+00	9e-05	3e-05	8e-15	2e-06
7:	9.4375e+00	9.4375e+00	9e-07	3e-07	5e-15	2e-08
8:	9.4375e+00	9.4375e+00	9e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.4984e+00	4.5097e+00	8e+00	3e+00	2e-16	2e-01
2:	7.6246e+00	7.6277e+00	1e+00	5e-01	8e-16	3e-02
3:	8.1343e+00	8.1352e+00	3e-01	8e-02	5e-16	6e-03
4:	8.1580e+00	8.1585e+00	1e-01	4e-02	4e-15	3e-03
5:	8.2015e+00	8.2016e+00	7e-03	2e-03	4e-15	2e-04
6:	8.2040e+00	8.2040e+00	2e-04	5e-05	5e-15	4e-06
7:	8.2040e+00	8.2040e+00	2e-06	5e-07	3e-15	4e-08
8:	8.2040e+00	8.2040e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4157e+00	4.4141e+00	6e+00	2e+00	2e-16	2e-01
2:	7.1992e+00	7.1986e+00	1e+00	4e-01	2e-15	4e-02
3:	7.5973e+00	7.5971e+00	3e-01	1e-01	2e-15	9e-03
4:	7.7401e+00	7.7401e+00	2e-02	8e-03	1e-15	6e-04
5:	7.7501e+00	7.7501e+00	3e-03	9e-04	9e-16	7e-05
6:	7.7515e+00	7.7515e+00	5e-05	2e-05	9e-16	1e-06
7:	7.7515e+00	7.7515e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4569e+00	4.4613e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5572e+00	6.5587e+00	2e+00	5e-01	3e-15	4e-02
3:	7.3102e+00	7.3108e+00	5e-01	2e-01	1e-15	1e-02
4:	7.4115e+00	7.4118e+00	2e-01	6e-02	3e-15	5e-03
5:	7.4857e+00	7.4857e+00	3e-02	8e-03	8e-16	6e-04
6:	7.4942e+00	7.4942e+00	6e-03	2e-03	8e-15	2e-04
7:	7.4959e+00	7.4959e+00	1e-03	4e-04	6e-14	3e-05
8:	7.4964e+00	7.4964e+00	1e-05	4e-06	2e-15	3e-07
9:	7.4964e+00	7.4964e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6283e+00	5.6333e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9979e+00	7.9995e+00	2e+00	5e-01	2e-15	4e-02
3:	8.7024e+00	8.7029e+00	4e-01	1e-01	1e-15	1e-02
4:	8.8351e+00	8.8352e+00	8e-02	2e-02	3e-15	2e-03

5:	8.8564e+00	8.8564e+00	8e-03	2e-03	6e-15	2e-04
6:	8.8591e+00	8.8591e+00	1e-03	3e-04	7e-15	2e-05
7:	8.8594e+00	8.8594e+00	1e-05	3e-06	5e-15	2e-07
8:	8.8594e+00	8.8594e+00	1e-07	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5877e+00	6.5959e+00	8e+00	3e+00	4e-16	2e-01
2:	1.0007e+01	1.0010e+01	2e+00	7e-01	1e-15	5e-02
3:	1.0548e+01	1.0549e+01	5e-01	2e-01	3e-15	1e-02
4:	1.0716e+01	1.0716e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0769e+01	1.0769e+01	3e-02	8e-03	2e-15	6e-04
6:	1.0777e+01	1.0777e+01	2e-03	8e-04	1e-14	6e-05
7:	1.0777e+01	1.0777e+01	8e-05	2e-05	6e-14	2e-06
8:	1.0778e+01	1.0778e+01	8e-07	2e-07	2e-14	2e-08
9:	1.0778e+01	1.0778e+01	8e-09	2e-09	9e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9510e+00	3.9576e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3906e+00	6.3930e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9767e+00	6.9775e+00	6e-01	2e-01	1e-15	1e-02
4:	7.1198e+00	7.1199e+00	6e-02	2e-02	2e-15	1e-03
5:	7.1383e+00	7.1384e+00	9e-03	3e-03	1e-15	2e-04
6:	7.1417e+00	7.1417e+00	3e-04	9e-05	3e-15	7e-06
7:	7.1418e+00	7.1418e+00	3e-06	9e-07	3e-15	7e-08
8:	7.1418e+00	7.1418e+00	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6550e+00	3.6609e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5690e+00	6.5711e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9865e+00	6.9871e+00	4e-01	1e-01	1e-15	1e-02
4:	7.1332e+00	7.1333e+00	8e-02	3e-02	2e-15	2e-03
5:	7.1588e+00	7.1588e+00	2e-03	6e-04	3e-15	5e-05
6:	7.1594e+00	7.1594e+00	2e-05	6e-06	2e-15	5e-07
7:	7.1594e+00	7.1594e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3983e+00	4.3985e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9711e+00	6.9712e+00	2e+00	6e-01	1e-15	5e-02
3:	7.7866e+00	7.7867e+00	4e-01	1e-01	1e-15	9e-03
4:	7.9123e+00	7.9123e+00	6e-02	2e-02	4e-15	1e-03
5:	7.9400e+00	7.9400e+00	3e-03	9e-04	3e-15	7e-05
6:	7.9410e+00	7.9410e+00	7e-05	2e-05	1e-13	2e-06
7:	7.9411e+00	7.9411e+00	7e-07	2e-07	3e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8483e+00	5.8635e+00	8e+00	3e+00	2e-16	2e-01
2:	8.1823e+00	8.1883e+00	2e+00	8e-01	1e-15	5e-02
3:	8.8102e+00	8.8117e+00	5e-01	2e-01	8e-16	1e-02
4:	8.9604e+00	8.9605e+00	5e-02	2e-02	2e-15	1e-03
5:	8.9735e+00	8.9735e+00	5e-03	1e-03	2e-15	1e-04
6:	8.9753e+00	8.9753e+00	5e-04	2e-04	7e-16	1e-05
7:	8.9754e+00	8.9754e+00	1e-05	4e-06	7e-15	3e-07
8:	8.9754e+00	8.9754e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1712e+00	7.1793e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0224e+01	1.0227e+01	2e+00	6e-01	8e-16	4e-02
3:	1.0869e+01	1.0869e+01	2e-01	6e-02	9e-16	4e-03
4:	1.0940e+01	1.0940e+01	2e-02	5e-03	1e-15	4e-04
5:	1.0944e+01	1.0944e+01	2e-03	7e-04	6e-14	5e-05
6:	1.0945e+01	1.0945e+01	2e-05	7e-06	3e-15	5e-07
7:	1.0945e+01	1.0945e+01	2e-07	7e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0591e+00	5.0620e+00	6e+00	2e+00	2e-16	2e-01
2:	7.0453e+00	7.0467e+00	2e+00	8e-01	1e-15	6e-02
3:	7.7283e+00	7.7289e+00	6e-01	2e-01	9e-16	1e-02
4:	7.9324e+00	7.9325e+00	1e-01	4e-02	9e-16	3e-03
5:	7.9669e+00	7.9669e+00	4e-02	1e-02	3e-15	9e-04
6:	7.9806e+00	7.9806e+00	5e-04	1e-04	6e-16	1e-05
7:	7.9807e+00	7.9807e+00	5e-06	1e-06	6e-16	1e-07
8:	7.9807e+00	7.9807e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7832e+00	6.7884e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4991e+00	9.5009e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0005e+01	1.0006e+01	5e-01	1e-01	4e-15	1e-02
4:	1.0129e+01	1.0129e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0182e+01	1.0182e+01	1e-02	4e-03	5e-16	3e-04
6:	1.0185e+01	1.0185e+01	2e-04	7e-05	3e-15	6e-06
7:	1.0185e+01	1.0185e+01	2e-06	7e-07	2e-15	6e-08
8:	1.0185e+01	1.0185e+01	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6337e+00	3.6311e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3368e+00	6.3359e+00	1e+00	4e-01	2e-15	4e-02
3:	6.7439e+00	6.7437e+00	2e-01	7e-02	2e-15	6e-03

4:	6.8211e+00	6.8210e+00	5e-02	2e-02	1e-15	1e-03
5:	6.8367e+00	6.8367e+00	5e-04	2e-04	1e-15	1e-05
6:	6.8369e+00	6.8369e+00	5e-06	2e-06	1e-15	1e-07
7:	6.8369e+00	6.8369e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8492e+00	6.8574e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0045e+01	1.0047e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0505e+01	1.0505e+01	1e-01	4e-02	8e-16	3e-03
4:	1.0541e+01	1.0541e+01	3e-02	9e-03	1e-14	7e-04
5:	1.0549e+01	1.0549e+01	1e-03	4e-04	8e-15	3e-05
6:	1.0550e+01	1.0550e+01	3e-05	9e-06	1e-15	7e-07
7:	1.0550e+01	1.0550e+01	3e-07	9e-08	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3769e+00	3.3781e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9317e+00	5.9321e+00	1e+00	5e-01	2e-15	4e-02
3:	6.3578e+00	6.3579e+00	3e-01	9e-02	6e-16	7e-03
4:	6.4683e+00	6.4683e+00	5e-02	1e-02	1e-15	1e-03
5:	6.4787e+00	6.4787e+00	8e-03	2e-03	1e-14	2e-04
6:	6.4813e+00	6.4813e+00	9e-05	3e-05	3e-15	2e-06
7:	6.4813e+00	6.4813e+00	9e-07	3e-07	3e-15	2e-08
8:	6.4813e+00	6.4813e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3727e+00	6.3763e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5358e+00	8.5374e+00	2e+00	7e-01	4e-15	5e-02
3:	9.0547e+00	9.0551e+00	5e-01	2e-01	3e-15	1e-02
4:	9.2403e+00	9.2403e+00	6e-02	2e-02	3e-15	1e-03
5:	9.2630e+00	9.2630e+00	1e-02	3e-03	1e-15	2e-04
6:	9.2661e+00	9.2661e+00	2e-04	6e-05	1e-15	4e-06
7:	9.2661e+00	9.2661e+00	2e-06	6e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5286e+00	3.5281e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8479e+00	5.8477e+00	2e+00	5e-01	1e-15	4e-02
3:	6.4383e+00	6.4383e+00	3e-01	1e-01	8e-16	8e-03
4:	6.5079e+00	6.5079e+00	7e-02	2e-02	5e-15	2e-03
5:	6.5272e+00	6.5272e+00	2e-02	7e-03	3e-15	6e-04
6:	6.5350e+00	6.5350e+00	6e-03	2e-03	1e-15	2e-04
7:	6.5368e+00	6.5368e+00	3e-04	1e-04	4e-15	9e-06
8:	6.5369e+00	6.5369e+00	4e-06	1e-06	2e-15	9e-08
9:	6.5369e+00	6.5369e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9716e+00	4.9868e+00	8e+00	3e+00	4e-16	2e-01
2:	8.4234e+00	8.4283e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9290e+00	8.9306e+00	5e-01	2e-01	1e-15	1e-02
4:	9.0079e+00	9.0085e+00	2e-01	6e-02	3e-15	4e-03
5:	9.0684e+00	9.0685e+00	7e-03	2e-03	1e-15	2e-04
6:	9.0706e+00	9.0706e+00	7e-05	2e-05	1e-15	2e-06
7:	9.0706e+00	9.0706e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6291e+00	6.6312e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7625e+00	8.7631e+00	1e+00	4e-01	1e-15	3e-02
3:	9.3336e+00	9.3337e+00	2e-01	8e-02	7e-16	6e-03
4:	9.4202e+00	9.4203e+00	8e-02	3e-02	2e-15	2e-03
5:	9.4501e+00	9.4502e+00	6e-03	2e-03	5e-15	1e-04
6:	9.4525e+00	9.4525e+00	6e-05	2e-05	5e-16	1e-06
7:	9.4525e+00	9.4525e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9977e+00	8.0024e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0272e+01	1.0273e+01	1e+00	3e-01	2e-15	3e-02
3:	1.0786e+01	1.0786e+01	2e-01	7e-02	1e-15	5e-03
4:	1.0856e+01	1.0856e+01	3e-02	1e-02	5e-15	8e-04
5:	1.0870e+01	1.0870e+01	9e-04	3e-04	7e-15	2e-05
6:	1.0870e+01	1.0870e+01	9e-06	3e-06	7e-15	2e-07
7:	1.0870e+01	1.0870e+01	9e-08	3e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4897e+00	7.4941e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0510e+01	1.0511e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1143e+01	1.1143e+01	2e-01	7e-02	1e-15	5e-03
4:	1.1228e+01	1.1228e+01	1e-02	3e-03	6e-15	2e-04
5:	1.1233e+01	1.1233e+01	1e-04	3e-05	2e-15	2e-06
6:	1.1233e+01	1.1233e+01	1e-06	3e-07	1e-15	2e-08
7:	1.1233e+01	1.1233e+01	1e-08	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6928e+00	3.6922e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4416e+00	6.4413e+00	1e+00	4e-01	2e-15	3e-02
3:	6.7663e+00	6.7663e+00	2e-01	6e-02	2e-15	5e-03
4:	6.8179e+00	6.8179e+00	6e-02	2e-02	1e-15	2e-03
5:	6.8325e+00	6.8325e+00	2e-03	7e-04	3e-15	6e-05
6:	6.8332e+00	6.8332e+00	2e-05	7e-06	6e-16	6e-07

7: 6.8332e+00 6.8332e+00 2e-07 7e-08 7e-16 6e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3864e+00	4.3880e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7711e+00	6.7716e+00	2e+00	5e-01	2e-15	4e-02
3:	7.2535e+00	7.2537e+00	5e-01	2e-01	2e-15	1e-02
4:	7.4232e+00	7.4232e+00	1e-01	4e-02	2e-15	3e-03
5:	7.4592e+00	7.4592e+00	2e-02	5e-03	6e-15	4e-04
6:	7.4644e+00	7.4644e+00	6e-04	2e-04	7e-15	1e-05
7:	7.4646e+00	7.4646e+00	6e-06	2e-06	2e-15	1e-07
8:	7.4646e+00	7.4646e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1089e+00	7.1116e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0134e+01	1.0135e+01	1e+00	5e-01	2e-15	4e-02
3:	1.0590e+01	1.0590e+01	3e-01	1e-01	4e-15	8e-03
4:	1.0723e+01	1.0723e+01	4e-02	1e-02	2e-15	1e-03
5:	1.0734e+01	1.0734e+01	8e-03	3e-03	3e-14	2e-04
6:	1.0737e+01	1.0737e+01	9e-05	3e-05	2e-15	2e-06
7:	1.0737e+01	1.0737e+01	9e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6190e+00	6.6234e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3875e+00	9.3887e+00	1e+00	4e-01	3e-15	3e-02
3:	9.8489e+00	9.8493e+00	4e-01	1e-01	2e-15	9e-03
4:	9.9595e+00	9.9597e+00	1e-01	3e-02	5e-15	2e-03
5:	9.9911e+00	9.9911e+00	3e-02	1e-02	4e-15	8e-04
6:	1.0001e+01	1.0001e+01	3e-03	1e-03	3e-15	8e-05
7:	1.0002e+01	1.0002e+01	6e-05	2e-05	2e-14	1e-06
8:	1.0002e+01	1.0002e+01	6e-07	2e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6654e+00	4.6768e+00	8e+00	2e+00	3e-16	2e-01
2:	7.8427e+00	7.8462e+00	2e+00	5e-01	2e-15	3e-02
3:	8.2377e+00	8.2387e+00	4e-01	1e-01	2e-15	8e-03
4:	8.3212e+00	8.3215e+00	9e-02	3e-02	4e-15	2e-03
5:	8.3441e+00	8.3442e+00	2e-02	6e-03	2e-15	5e-04
6:	8.3490e+00	8.3490e+00	3e-04	8e-05	3e-15	6e-06
7:	8.3490e+00	8.3490e+00	3e-06	8e-07	2e-15	6e-08
8:	8.3490e+00	8.3490e+00	3e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5831e+00	2.5842e+00	6e+00	2e+00	3e-16	2e-01

2:	4.8145e+00	4.8150e+00	2e+00	6e-01	2e-15	4e-02
3:	5.1987e+00	5.1988e+00	5e-01	2e-01	7e-16	1e-02
4:	5.3288e+00	5.3288e+00	6e-02	2e-02	1e-15	2e-03
5:	5.3481e+00	5.3481e+00	7e-03	2e-03	6e-16	2e-04
6:	5.3509e+00	5.3509e+00	1e-04	4e-05	5e-16	3e-06
7:	5.3510e+00	5.3510e+00	1e-06	4e-07	4e-16	3e-08
8:	5.3510e+00	5.3510e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1401e+00	6.1446e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3087e+00	9.3102e+00	2e+00	6e-01	2e-15	4e-02
3:	9.8478e+00	9.8483e+00	6e-01	2e-01	2e-15	1e-02
4:	1.0029e+01	1.0029e+01	1e-01	3e-02	2e-15	2e-03
5:	1.0069e+01	1.0069e+01	1e-02	4e-03	1e-15	3e-04
6:	1.0071e+01	1.0071e+01	4e-03	1e-03	3e-14	1e-04
7:	1.0073e+01	1.0073e+01	5e-05	2e-05	3e-15	1e-06
8:	1.0073e+01	1.0073e+01	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3829e+00	4.3893e+00	8e+00	2e+00	2e-16	2e-01
2:	6.6072e+00	6.6090e+00	2e+00	5e-01	1e-15	4e-02
3:	7.3566e+00	7.3572e+00	3e-01	1e-01	8e-16	8e-03
4:	7.4455e+00	7.4456e+00	5e-02	2e-02	2e-15	1e-03
5:	7.4601e+00	7.4601e+00	1e-02	3e-03	2e-15	2e-04
6:	7.4629e+00	7.4629e+00	3e-03	9e-04	9e-16	7e-05
7:	7.4627e+00	7.4627e+00	3e-03	8e-04	6e-14	7e-05
8:	7.4637e+00	7.4637e+00	5e-05	2e-05	1e-15	1e-06
9:	7.4637e+00	7.4637e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2524e+00	6.2569e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6558e+00	8.6579e+00	2e+00	7e-01	1e-15	5e-02
3:	9.2781e+00	9.2785e+00	4e-01	1e-01	1e-15	9e-03
4:	9.4234e+00	9.4235e+00	9e-02	3e-02	5e-16	2e-03
5:	9.4548e+00	9.4548e+00	2e-02	5e-03	2e-15	4e-04
6:	9.4609e+00	9.4609e+00	1e-03	4e-04	5e-15	3e-05
7:	9.4613e+00	9.4613e+00	1e-05	4e-06	4e-15	3e-07
8:	9.4613e+00	9.4613e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4421e+00	3.4426e+00	6e+00	2e+00	2e-16	1e-01
2:	5.1095e+00	5.1097e+00	2e+00	7e-01	2e-15	5e-02
3:	6.0238e+00	6.0238e+00	4e-01	1e-01	1e-15	1e-02
4:	6.1721e+00	6.1721e+00	8e-02	3e-02	3e-15	2e-03



5:	6.2044e+00	6.2044e+00	8e-03	3e-03	3e-15	2e-04
6:	6.2070e+00	6.2070e+00	3e-04	1e-04	3e-14	8e-06
7:	6.2072e+00	6.2072e+00	3e-06	1e-06	9e-15	8e-08
8:	6.2072e+00	6.2072e+00	3e-08	1e-08	9e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6162e+00	4.6212e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4161e+00	7.4174e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9464e+00	7.9469e+00	4e-01	1e-01	1e-15	1e-02
4:	8.0741e+00	8.0743e+00	1e-01	3e-02	3e-15	2e-03
5:	8.1144e+00	8.1144e+00	1e-03	4e-04	6e-16	3e-05
6:	8.1149e+00	8.1149e+00	1e-05	4e-06	6e-16	3e-07
7:	8.1149e+00	8.1149e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2233e+00	5.2258e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6819e+00	8.6826e+00	1e+00	4e-01	9e-16	3e-02
3:	8.9793e+00	8.9797e+00	5e-01	1e-01	2e-15	1e-02
4:	9.1520e+00	9.1520e+00	9e-02	3e-02	1e-15	2e-03
5:	9.1824e+00	9.1824e+00	4e-03	1e-03	5e-15	9e-05
6:	9.1838e+00	9.1838e+00	4e-05	1e-05	1e-15	9e-07
7:	9.1838e+00	9.1838e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8825e+00	5.8872e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3269e+00	9.3283e+00	2e+00	5e-01	2e-15	4e-02
3:	9.8414e+00	9.8419e+00	4e-01	1e-01	4e-15	9e-03
4:	9.9169e+00	9.9171e+00	1e-01	4e-02	5e-15	3e-03
5:	9.9610e+00	9.9610e+00	1e-02	5e-03	5e-15	4e-04
6:	9.9659e+00	9.9659e+00	2e-04	6e-05	1e-15	4e-06
7:	9.9660e+00	9.9660e+00	2e-06	6e-07	1e-15	4e-08
8:	9.9660e+00	9.9660e+00	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6708e+00	3.6693e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7696e+00	6.7690e+00	1e+00	3e-01	2e-15	3e-02
3:	6.9634e+00	6.9630e+00	5e-01	1e-01	3e-15	1e-02
4:	7.1178e+00	7.1178e+00	2e-02	8e-03	1e-15	6e-04
5:	7.1247e+00	7.1247e+00	2e-03	6e-04	2e-15	5e-05
6:	7.1253e+00	7.1253e+00	2e-04	6e-05	1e-15	5e-06
7:	7.1254e+00	7.1254e+00	2e-06	6e-07	2e-15	5e-08
8:	7.1254e+00	7.1254e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8227e+00	5.8248e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0537e+00	8.0546e+00	2e+00	5e-01	1e-15	4e-02
3:	8.6160e+00	8.6162e+00	4e-01	1e-01	1e-15	1e-02
4:	8.7754e+00	8.7755e+00	6e-02	2e-02	1e-15	1e-03
5:	8.7979e+00	8.7979e+00	9e-04	3e-04	9e-16	2e-05
6:	8.7983e+00	8.7983e+00	9e-06	3e-06	8e-16	2e-07
7:	8.7983e+00	8.7983e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2455e+00	4.2498e+00	6e+00	2e+00	3e-16	1e-01
2:	6.1269e+00	6.1279e+00	1e+00	3e-01	1e-15	2e-02
3:	6.6108e+00	6.6109e+00	2e-01	5e-02	6e-16	4e-03
4:	6.6757e+00	6.6757e+00	1e-02	3e-03	6e-16	2e-04
5:	6.6794e+00	6.6794e+00	1e-04	3e-05	2e-15	2e-06
6:	6.6795e+00	6.6795e+00	1e-06	3e-07	1e-15	2e-08
7:	6.6795e+00	6.6795e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8547e+00	4.8650e+00	8e+00	2e+00	3e-16	2e-01
2:	7.8983e+00	7.9014e+00	2e+00	5e-01	2e-15	4e-02
3:	8.5665e+00	8.5672e+00	4e-01	1e-01	1e-15	8e-03
4:	8.6847e+00	8.6849e+00	6e-02	2e-02	2e-15	1e-03
5:	8.6993e+00	8.6994e+00	9e-03	3e-03	1e-14	2e-04
6:	8.7027e+00	8.7027e+00	1e-04	4e-05	2e-15	3e-06
7:	8.7028e+00	8.7028e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5256e+00	4.5267e+00	6e+00	2e+00	2e-16	2e-01
2:	7.0464e+00	7.0469e+00	2e+00	6e-01	2e-15	4e-02
3:	7.3984e+00	7.3985e+00	4e-01	1e-01	2e-15	1e-02
4:	7.5384e+00	7.5384e+00	6e-02	2e-02	2e-15	1e-03
5:	7.5631e+00	7.5631e+00	2e-03	6e-04	7e-16	5e-05
6:	7.5636e+00	7.5636e+00	2e-05	6e-06	7e-16	5e-07
7:	7.5636e+00	7.5636e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5675e+00	5.5684e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2605e+00	8.2609e+00	2e+00	6e-01	1e-15	4e-02
3:	9.1801e+00	9.1802e+00	3e-01	1e-01	1e-15	8e-03
4:	9.2789e+00	9.2789e+00	8e-02	3e-02	8e-15	2e-03
5:	9.2993e+00	9.2993e+00	2e-02	6e-03	2e-14	4e-04
6:	9.3065e+00	9.3065e+00	4e-04	1e-04	2e-15	1e-05
7:	9.3067e+00	9.3067e+00	4e-06	1e-06	1e-14	1e-07

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8: 9.3067e+00 9.3067e+00 4e-08 1e-08 1e-14 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.1673e+00 4.1702e+00 7e+00 2e+00 2e-16 2e-01
2: 6.9248e+00 6.9260e+00 2e+00 6e-01 1e-15 5e-02
3: 7.5533e+00 7.5537e+00 5e-01 2e-01 1e-15 1e-02
4: 7.7421e+00 7.7422e+00 8e-02 3e-02 5e-15 2e-03
5: 7.7667e+00 7.7667e+00 1e-02 4e-03 7e-15 3e-04
6: 7.7712e+00 7.7712e+00 3e-04 8e-05 7e-15 6e-06
7: 7.7712e+00 7.7712e+00 3e-06 8e-07 3e-15 6e-08
8: 7.7712e+00 7.7712e+00 3e-08 8e-09 3e-15 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9981e+00 4.0001e+00 7e+00 2e+00 2e-16 2e-01
2: 6.6933e+00 6.6941e+00 2e+00 5e-01 2e-15 4e-02
3: 7.1252e+00 7.1255e+00 4e-01 1e-01 1e-15 1e-02
4: 7.2639e+00 7.2640e+00 8e-02 3e-02 1e-15 2e-03
5: 7.2810e+00 7.2811e+00 3e-02 9e-03 1e-14 7e-04
6: 7.2913e+00 7.2913e+00 6e-04 2e-04 3e-15 2e-05
7: 7.2915e+00 7.2915e+00 6e-06 2e-06 2e-15 2e-07
8: 7.2915e+00 7.2915e+00 6e-08 2e-08 2e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.1745e+00 4.1764e+00 7e+00 2e+00 2e-16 2e-01
2: 6.8446e+00 6.8454e+00 2e+00 5e-01 9e-16 4e-02
3: 7.1606e+00 7.1607e+00 4e-01 1e-01 1e-15 1e-02
4: 7.2909e+00 7.2910e+00 1e-01 3e-02 6e-16 3e-03
5: 7.3208e+00 7.3209e+00 8e-03 3e-03 2e-15 2e-04
6: 7.3234e+00 7.3234e+00 9e-05 3e-05 1e-15 2e-06
7: 7.3234e+00 7.3234e+00 9e-07 3e-07 1e-15 2e-08
8: 7.3234e+00 7.3234e+00 9e-09 3e-09 2e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 5.8367e-01 5.8033e-01 5e+00 2e+00 1e-16 2e-01
2: 9.9700e-01 9.9580e-01 7e-01 2e-01 9e-16 2e-02
3: 9.9996e-01 9.9995e-01 7e-03 2e-03 6e-16 2e-04
4: 1.0000e+00 1.0000e+00 7e-05 2e-05 4e-16 2e-06
5: 1.0000e+00 1.0000e+00 7e-07 2e-07 5e-16 2e-08
6: 1.0000e+00 1.0000e+00 7e-09 2e-09 2e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.5872e-01 7.5688e-01 5e+00 2e+00 3e-16 1e-01
2: 9.9761e-01 9.9757e-01 7e-02 2e-02 8e-16 2e-03

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3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9378e-01	5.9043e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9590e-01	6e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	8e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	6e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	2e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.9954e-01	4.9663e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9497e-01	1e+00	4e-01	3e-15	5e-02
3:	9.9969e-01	9.9962e-01	2e-02	5e-03	2e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2181e-01	5.1874e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9519e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9976e-01	9.9971e-01	1e-02	5e-03	2e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	6e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	4e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.8896e-01	5.8560e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9691e-01	9.9586e-01	8e-01	3e-01	3e-15	2e-02
3:	9.9994e-01	9.9993e-01	8e-03	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	8e-05	3e-05	1e-15	3e-06
5:	1.0000e+00	1.0000e+00	8e-07	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9091e-01	6.8798e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9688e-01	1e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	4e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1599e-01	5.1296e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9513e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9980e-01	9.9975e-01	1e-02	4e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	3e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	3e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5959e-01	5.5632e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9556e-01	9e-01	3e-01	2e-15	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	5e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7858e-01	5.7525e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9701e-01	9.9575e-01	8e-01	2e-01	1e-15	2e-02
3:	9.9996e-01	9.9994e-01	8e-03	2e-03	8e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	4e-16	2e-08
6:	1.0000e+00	1.0000e+00	8e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7960e-01	7.7825e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9781e-01	9.9778e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9677e-01	5.9342e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9593e-01	6e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3366e-01	6.3035e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9630e-01	3e-01	1e-01	2e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	2e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	3e-16	9e-07

5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	9e-09
6:	1.0000e+00	1.0000e+00	3e-09	1e-09	3e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.8632e-01	5.8298e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9704e-01	9.9583e-01	6e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	2e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2028e-01	6.1694e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9617e-01	4e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	5e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	2e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0723e-01	6.0388e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9697e-01	9.9604e-01	5e-01	2e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	5e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2169e-01	6.1835e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9618e-01	4e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	5e-16	1e-08
6:	1.0000e+00	1.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5186e-01	6.4862e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9649e-01	2e-01	7e-02	1e-15	7e-03
3:	9.9997e-01	9.9996e-01	2e-03	7e-04	4e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	5e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3549e-01	7.3319e-01	5e+00	2e+00	3e-16	1e-01

2:	9.9733e-01	9.9727e-01	8e-02	2e-02	1e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5879e-01	5.5553e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9556e-01	9e-01	3e-01	6e-16	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	7e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	3e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4297e-01	5.3978e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9715e-01	9.9540e-01	1e+00	3e-01	4e-16	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	5e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1915e-01	5.1610e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9703e-01	9.9516e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9979e-01	9.9974e-01	1e-02	4e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	5e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9771e-01	6.9486e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9632e-01	9.9616e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1250e-01	7.0984e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9689e-01	9.9678e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00

1:	5.2743e-01	5.2433e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9705e-01	9.9524e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9984e-01	9.9980e-01	1e-02	4e-03	2e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	4e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1821e-01	5.1517e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9701e-01	9.9515e-01	1e+00	4e-01	5e-16	4e-02
3:	9.9977e-01	9.9972e-01	1e-02	5e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	5e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	7e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2215e-01	7.1963e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9726e-01	9.9717e-01	9e-02	3e-02	9e-16	3e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0430e-01	7.0153e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9673e-01	9.9660e-01	1e-01	3e-02	3e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3723e-01	7.3496e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9729e-01	9.9722e-01	8e-02	3e-02	1e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4720e-01	6.4394e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9692e-01	9.9644e-01	2e-01	7e-02	3e-15	6e-03
3:	9.9997e-01	9.9996e-01	2e-03	7e-04	4e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	2e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5201e-01	5.4878e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9705e-01	9.9549e-01	1e+00	3e-01	5e-16	3e-02
3:	9.9993e-01	9.9991e-01	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	5e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.0866e-01	5.0568e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9701e-01	9.9506e-01	1e+00	4e-01	3e-15	4e-02
3:	9.9970e-01	9.9964e-01	2e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	7e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	3e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9843e-01	6.9559e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9711e-01	9.9696e-01	1e-01	4e-02	3e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4485e-01	6.4158e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9642e-01	2e-01	8e-02	2e-15	7e-03
3:	9.9997e-01	9.9996e-01	2e-03	8e-04	2e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	3e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9096e-01	5.8761e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9588e-01	6e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	5e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4699e-01	6.4373e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9644e-01	3e-01	9e-02	2e-15	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	2e-16	8e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	4e-16	8e-07

5: 1.0000e+00 1.0000e+00 3e-07 9e-08 3e-16 8e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.3599e-01	5.3284e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9717e-01	9.9533e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9992e-01	9.9989e-01	1e-02	4e-03	6e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	8e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9444e-01	6.9155e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9690e-01	9.9673e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8037e-01	6.7734e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9674e-01	9.9651e-01	1e-01	4e-02	9e-16	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2896e-01	5.2585e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9716e-01	9.9526e-01	1e+00	4e-01	3e-16	4e-02
3:	9.9989e-01	9.9986e-01	1e-02	4e-03	4e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	6e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2920e-01	7.2679e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9709e-01	9.9700e-01	9e-02	3e-02	4e-16	3e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	5e-16	3e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9775e-01	5.9440e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9594e-01	6e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	7e-16	2e-04

4:	1.0000e+00	1.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	4e-16	2e-08
6:	1.0000e+00	1.0000e+00	6e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6752e-01	4.6487e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9692e-01	9.9465e-01	2e+00	5e-01	2e-15	5e-02
3:	9.9860e-01	9.9829e-01	3e-02	9e-03	7e-16	8e-04
4:	9.9999e-01	9.9998e-01	3e-04	9e-05	5e-16	8e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	2e-16	8e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1108e-01	7.0839e-01	5e+00	2e+00	1e-16	1e-01
2:	9.9689e-01	9.9678e-01	1e-01	3e-02	9e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9594e-01	6.9306e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9693e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7095e-01	6.6784e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9668e-01	2e-01	5e-02	1e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4280e-01	5.3961e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9540e-01	1e+00	3e-01	5e-15	3e-02
3:	9.9989e-01	9.9986e-01	1e-02	4e-03	6e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4532e-01	6.4205e-01	5e+00	2e+00	2e-16	2e-01

2:	9.9692e-01	9.9642e-01	3e-01	9e-02	2e-15	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	2e-16	8e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	3e-16	8e-07
5:	1.0000e+00	1.0000e+00	3e-07	9e-08	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5691e-01	7.5502e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9759e-01	9.9755e-01	7e-02	2e-02	7e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4874e-01	6.4548e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9645e-01	3e-01	8e-02	7e-16	7e-03
3:	9.9997e-01	9.9996e-01	3e-03	8e-04	6e-16	7e-05
4:	1.0000e+00	1.0000e+00	3e-05	8e-06	2e-16	7e-07
5:	1.0000e+00	1.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8476e-01	9.8155e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8756e+00	1.8734e+00	2e+00	7e-01	1e-15	6e-02
3:	1.9841e+00	1.9834e+00	2e-01	5e-02	2e-15	4e-03
4:	1.9998e+00	1.9998e+00	2e-03	5e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3796e+00	1.3768e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9925e+00	1.9923e+00	2e-01	8e-02	1e-15	7e-03
3:	1.9999e+00	1.9999e+00	2e-03	8e-04	8e-16	7e-05
4:	2.0000e+00	2.0000e+00	2e-05	8e-06	8e-16	7e-07
5:	2.0000e+00	2.0000e+00	2e-07	8e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1090e+00	1.1058e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9096e+00	1.9080e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9981e+00	1.9980e+00	3e-02	8e-03	2e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	8e-05	4e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	8e-07	5e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	8e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1670e+00	1.1636e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9826e+00	1.9814e+00	8e-01	3e-01	3e-15	2e-02
3:	1.9998e+00	1.9998e+00	9e-03	3e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	8e-16	3e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0391e+00	1.0358e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8929e+00	1.8910e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9936e+00	1.9933e+00	6e-02	2e-02	1e-15	2e-03
4:	1.9999e+00	1.9999e+00	6e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1563e+00	1.1530e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9835e+00	1.9823e+00	9e-01	3e-01	3e-15	3e-02
3:	1.9997e+00	1.9997e+00	1e-02	3e-03	8e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1073e+00	1.1040e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9684e+00	1.9670e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9991e+00	1.9991e+00	1e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	5e-05	6e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	5e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3207e+00	1.3176e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9932e+00	1.9928e+00	3e-01	8e-02	2e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	8e-04	5e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	4e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1141e+00	1.1107e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9335e+00	1.9320e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9983e+00	1.9983e+00	2e-02	7e-03	2e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	4e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	6e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2526e+00	1.2496e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9748e+00	1.9741e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	6e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	7.2469e-01	7.2216e-01	4e+00	1e+00	2e-16	2e-01
2:	1.8832e+00	1.8806e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9270e+00	1.9236e+00	4e-01	1e-01	2e-15	1e-02
4:	1.9992e+00	1.9992e+00	5e-03	1e-03	5e-16	1e-04
5:	2.0000e+00	2.0000e+00	5e-05	1e-05	5e-16	1e-06
6:	2.0000e+00	2.0000e+00	5e-07	1e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	5e-09	1e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2916e+00	1.2889e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9707e+00	1.9702e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1399e+00	1.1366e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9811e+00	1.9798e+00	1e+00	3e-01	4e-15	3e-02
3:	1.9997e+00	1.9997e+00	1e-02	3e-03	9e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0053e+00	1.0019e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8853e+00	1.8831e+00	2e+00	6e-01	8e-16	6e-02
3:	1.9918e+00	1.9914e+00	7e-02	2e-02	7e-16	2e-03
4:	1.9999e+00	1.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3232e+00	1.3202e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9834e+00	1.9830e+00	4e-01	1e-01	2e-15	1e-02

3:	1.9998e+00	1.9998e+00	4e-03	1e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3336e+00	1.3309e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9896e+00	1.9893e+00	3e-01	1e-01	2e-15	9e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	4e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	5e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9263e-01	9.8937e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9118e+00	1.9098e+00	2e+00	5e-01	6e-16	5e-02
3:	1.9912e+00	1.9906e+00	8e-02	3e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	8e-06	3e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1826e+00	1.1804e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9500e+00	1.9492e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9993e+00	1.9993e+00	2e-02	5e-03	8e-16	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	3e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.9086e-01	9.8792e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9824e+00	1.9804e+00	1e+00	4e-01	1e-15	5e-02
3:	1.9973e+00	1.9971e+00	3e-02	9e-03	2e-15	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	6e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	6e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2683e+00	1.2650e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9809e+00	1.9803e+00	6e-01	2e-01	4e-15	2e-02
3:	1.9998e+00	1.9998e+00	6e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4332e+00	1.4316e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9884e+00	1.9883e+00	2e-01	7e-02	3e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	4e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4059e+00	1.4040e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9924e+00	1.9923e+00	2e-01	6e-02	2e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2773e+00	1.2747e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9682e+00	1.9677e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	4e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2312e+00	1.2290e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9508e+00	1.9502e+00	1e+00	4e-01	9e-16	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	4e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	4e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.9893e-01	9.9559e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8945e+00	1.8924e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9889e+00	1.9884e+00	1e-01	3e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.9671e-01	8.9417e-01	4e+00	1e+00	1e-16	2e-01
2:	1.9904e+00	1.9883e+00	1e+00	4e-01	2e-15	5e-02
3:	1.9892e+00	1.9883e+00	9e-02	3e-02	4e-15	2e-03
4:	1.9999e+00	1.9999e+00	9e-04	3e-04	2e-16	2e-05
5:	2.0000e+00	2.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	9e-08	3e-08	4e-16	2e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4076e+00	1.4059e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9718e+00	1.9716e+00	4e-01	1e-01	2e-15	1e-02
3:	1.9997e+00	1.9997e+00	5e-03	1e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	1e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.9035e-01	5.8784e-01	4e+00	1e+00	2e-16	2e-01
2:	1.7006e+00	1.6986e+00	1e+00	3e-01	8e-16	4e-02
3:	1.9736e+00	1.9728e+00	3e-01	1e-01	6e-16	1e-02
4:	1.9677e+00	1.9664e+00	1e-01	4e-02	1e-14	3e-03
5:	1.9997e+00	1.9997e+00	2e-03	5e-04	5e-16	4e-05
6:	2.0000e+00	2.0000e+00	2e-05	5e-06	8e-16	4e-07
7:	2.0000e+00	2.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2165e+00	1.2133e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9712e+00	1.9703e+00	7e-01	2e-01	3e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	5e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	8e-16	2e-08
6:	2.0000e+00	2.0000e+00	7e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1048e+00	1.1020e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9217e+00	1.9202e+00	2e+00	5e-01	8e-16	5e-02
3:	1.9974e+00	1.9973e+00	3e-02	1e-02	7e-16	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	2e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	3e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	3e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1310e+00	1.1277e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9747e+00	1.9735e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9992e+00	1.9992e+00	1e-02	5e-03	3e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	5e-05	9e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1047e+00	1.1014e+00	6e+00	2e+00	2e-16	2e-01

2:	1.9789e+00	1.9773e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	4e-03	9e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.6551e-01	9.6248e-01	5e+00	2e+00	3e-16	2e-01
2:	1.8703e+00	1.8683e+00	2e+00	7e-01	1e-15	6e-02
3:	1.9701e+00	1.9690e+00	3e-01	9e-02	9e-16	7e-03
4:	1.9997e+00	1.9997e+00	3e-03	1e-03	4e-16	8e-05
5:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	2.0000e+00	2.0000e+00	3e-07	1e-07	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2147e+00	1.2120e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9702e+00	1.9694e+00	1e+00	3e-01	4e-15	3e-02
3:	1.9997e+00	1.9996e+00	1e-02	3e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3447e+00	1.3423e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9849e+00	1.9846e+00	3e-01	1e-01	2e-15	9e-03
3:	1.9998e+00	1.9998e+00	3e-03	1e-03	3e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1452e+00	1.1440e+00	6e+00	2e+00	1e-16	1e-01
2:	1.9208e+00	1.9202e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9973e+00	1.9972e+00	4e-02	1e-02	9e-16	9e-04
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	9e-06
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	3e-16	9e-08
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3142e+00	1.3112e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9700e+00	1.9695e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0965e+00	1.0932e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9504e+00	1.9489e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9987e+00	1.9987e+00	2e-02	6e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	6e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	5e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1637e+00	1.1608e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9604e+00	1.9593e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	4e-03	7e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	9e-16	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3181e+00	1.3152e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9644e+00	1.9639e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3653e+00	1.3627e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9804e+00	1.9801e+00	4e-01	1e-01	2e-15	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08
6:	2.0000e+00	2.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3904e+00	1.3895e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9646e+00	1.9645e+00	7e-01	2e-01	1e-15	2e-02
3:	1.9996e+00	1.9996e+00	7e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	6e-16	2e-08
6:	2.0000e+00	2.0000e+00	7e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2194e+00	1.2164e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9614e+00	1.9605e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9995e+00	1.9994e+00	1e-02	4e-03	1e-15	3e-04

4:	2.0000e+00	2.0000e+00	1e-04	4e-05	5e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	7e-16	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.0076e+00	1.0045e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9592e+00	1.9574e+00	1e+00	5e-01	7e-16	5e-02
3:	1.9941e+00	1.9938e+00	5e-02	1e-02	1e-15	1e-03
4:	1.9999e+00	1.9999e+00	5e-04	1e-04	6e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3537e+00	1.3509e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9828e+00	1.9825e+00	3e-01	1e-01	2e-15	9e-03
3:	1.9998e+00	1.9998e+00	3e-03	1e-03	7e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	8e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	7e-16	9e-09
6:	2.0000e+00	2.0000e+00	3e-09	1e-09	1e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.7825e-01	9.7491e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8663e+00	1.8641e+00	2e+00	7e-01	3e-16	6e-02
3:	1.9830e+00	1.9821e+00	2e-01	5e-02	6e-16	4e-03
4:	1.9998e+00	1.9998e+00	2e-03	6e-04	3e-16	4e-05
5:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	4e-07
6:	2.0000e+00	2.0000e+00	2e-07	6e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0524e+00	1.0491e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9473e+00	1.9455e+00	1e+00	5e-01	5e-15	5e-02
3:	1.9967e+00	1.9966e+00	3e-02	1e-02	2e-15	9e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	4e-16	9e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	5e-16	9e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2873e+00	1.2852e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9181e+00	1.9175e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9987e+00	1.9987e+00	3e-02	9e-03	1e-15	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	4e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	1e-15	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3145e+00	1.3121e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9751e+00	1.9747e+00	5e-01	2e-01	3e-15	1e-02
3:	1.9997e+00	1.9997e+00	5e-03	2e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1817e+00	1.1784e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9734e+00	1.9723e+00	9e-01	3e-01	1e-15	3e-02
3:	1.9997e+00	1.9996e+00	9e-03	3e-03	8e-16	3e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	5e-16	3e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	7e-16	3e-08
6:	2.0000e+00	2.0000e+00	9e-09	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5289e+00	1.5255e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8133e+00	2.8115e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9744e+00	2.9734e+00	2e-01	5e-02	3e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6597e+00	1.6563e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9742e+00	2.9728e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9992e+00	2.9992e+00	1e-02	4e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0598e+00	2.0589e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9503e+00	2.9502e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1333e+00	2.1313e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9834e+00	2.9833e+00	2e-01	7e-02	3e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	8e-04	6e-16	6e-05

4:	3.0000e+00	3.0000e+00	2e-05	8e-06	4e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0236e+00	2.0229e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9642e+00	2.9641e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	6e-03	2e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7325e+00	1.7306e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8180e+00	2.8172e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9937e+00	2.9937e+00	5e-02	2e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8903e+00	1.8885e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8641e+00	2.8634e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9979e+00	2.9979e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	4e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	5e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9816e+00	1.9826e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8936e+00	2.8938e+00	1e+00	4e-01	7e-16	3e-02
3:	2.9988e+00	2.9988e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	5e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0496e+00	2.0478e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9551e+00	2.9549e+00	5e-01	2e-01	1e-15	1e-02
3:	2.9995e+00	2.9995e+00	5e-03	2e-03	8e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.4819e+00	1.4794e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7619e+00	2.7603e+00	2e+00	8e-01	6e-16	7e-02
3:	2.9656e+00	2.9650e+00	2e-01	7e-02	2e-15	5e-03
4:	2.9997e+00	2.9996e+00	2e-03	7e-04	4e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2670e+00	1.2637e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7685e+00	2.7663e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9804e+00	2.9790e+00	3e-01	1e-01	2e-15	9e-03
4:	2.9996e+00	2.9996e+00	4e-03	1e-03	1e-15	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	7e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6151e+00	1.6144e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7842e+00	2.7838e+00	2e+00	7e-01	6e-16	6e-02
3:	2.9658e+00	2.9656e+00	2e-01	8e-02	2e-15	6e-03
4:	2.9997e+00	2.9996e+00	3e-03	8e-04	4e-16	6e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	2e-16	6e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7090e+00	1.7059e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8134e+00	2.8115e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9934e+00	2.9932e+00	5e-02	2e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2338e+00	1.2306e+00	5e+00	2e+00	3e-16	2e-01
2:	2.4355e+00	2.4344e+00	1e+00	4e-01	1e-15	4e-02
3:	2.7079e+00	2.7075e+00	2e-01	7e-02	2e-15	7e-03
4:	2.8005e+00	2.8003e+00	3e-02	9e-03	2e-15	7e-04
5:	2.8072e+00	2.8071e+00	5e-03	2e-03	1e-15	1e-04
6:	2.8085e+00	2.8085e+00	9e-04	3e-04	2e-15	2e-05
7:	2.8088e+00	2.8088e+00	1e-05	3e-06	2e-15	3e-07
8:	2.8088e+00	2.8088e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3132e+00	1.3104e+00	5e+00	2e+00	2e-16	1e-01

2:	2.8006e+00	2.7992e+00	2e+00	5e-01	2e-15	4e-02
3:	2.8846e+00	2.8832e+00	4e-01	1e-01	4e-15	1e-02
4:	2.9988e+00	2.9987e+00	6e-03	2e-03	3e-16	1e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	4e-16	1e-08
7:	3.0000e+00	3.0000e+00	6e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1280e+00	2.1276e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9553e+00	2.9553e+00	5e-01	2e-01	3e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9503e+00	1.9485e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9472e+00	2.9467e+00	8e-01	2e-01	1e-15	2e-02
3:	2.9995e+00	2.9995e+00	8e-03	3e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	3e-05	4e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	3e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	8.0634e-01	8.0366e-01	4e+00	1e+00	2e-16	2e-01
2:	2.4054e+00	2.4033e+00	9e-01	3e-01	1e-15	3e-02
3:	2.6863e+00	2.6858e+00	1e-01	5e-02	1e-15	5e-03
4:	2.7237e+00	2.7236e+00	1e-02	3e-03	2e-15	3e-04
5:	2.7272e+00	2.7272e+00	2e-03	7e-04	8e-16	6e-05
6:	2.7279e+00	2.7279e+00	7e-05	2e-05	2e-15	2e-06
7:	2.7279e+00	2.7279e+00	8e-07	2e-07	4e-15	2e-08
8:	2.7279e+00	2.7279e+00	8e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9521e+00	1.9508e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9530e+00	2.9528e+00	7e-01	2e-01	3e-15	2e-02
3:	2.9995e+00	2.9995e+00	7e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7412e+00	1.7385e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9347e+00	2.9336e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9989e+00	2.9989e+00	1e-02	5e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	5e-05	5e-16	4e-06



5:	3.0000e+00	3.0000e+00	1e-06	5e-07	8e-16	4e-08
6:	3.0000e+00	3.0000e+00	1e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9048e+00	1.9037e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8312e+00	2.8307e+00	2e+00	6e-01	9e-16	5e-02
3:	2.9936e+00	2.9936e+00	6e-02	2e-02	9e-16	2e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3660e+00	1.3628e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8053e+00	2.8040e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9199e+00	2.9190e+00	3e-01	1e-01	4e-15	8e-03
4:	2.9990e+00	2.9990e+00	4e-03	1e-03	5e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1546e+00	2.1541e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9828e+00	2.9827e+00	2e-01	7e-02	3e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	6e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9662e+00	1.9649e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9182e+00	2.9179e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9991e+00	2.9991e+00	1e-02	3e-03	6e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	9e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	3e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4486e+00	1.4455e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7226e+00	2.7205e+00	2e+00	7e-01	1e-15	7e-02
3:	2.9444e+00	2.9429e+00	4e-01	1e-01	9e-16	9e-03
4:	2.9994e+00	2.9994e+00	4e-03	1e-03	3e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	3e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.7891e-01	8.7553e-01	5e+00	2e+00	2e-16	2e-01
2:	2.1068e+00	2.1047e+00	1e+00	4e-01	2e-15	4e-02
3:	2.5642e+00	2.5638e+00	2e-01	7e-02	4e-16	6e-03
4:	2.6068e+00	2.6065e+00	6e-02	2e-02	2e-15	2e-03
5:	2.6274e+00	2.6274e+00	3e-03	1e-03	8e-16	9e-05
6:	2.6285e+00	2.6285e+00	3e-05	1e-05	4e-16	9e-07
7:	2.6285e+00	2.6285e+00	3e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4072e+00	1.4038e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7735e+00	2.7713e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9588e+00	2.9571e+00	3e-01	9e-02	2e-15	7e-03
4:	2.9996e+00	2.9996e+00	3e-03	1e-03	3e-16	8e-05
5:	3.0000e+00	3.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	3.0000e+00	3.0000e+00	3e-07	1e-07	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9403e+00	1.9384e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9166e+00	2.9160e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9991e+00	2.9991e+00	1e-02	4e-03	9e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	4e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8320e+00	1.8294e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8677e+00	2.8667e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9981e+00	2.9981e+00	2e-02	7e-03	2e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	7e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9462e+00	1.9438e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8755e+00	2.8748e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9985e+00	2.9985e+00	2e-02	5e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	2e-15	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4261e+00	1.4229e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7772e+00	2.7755e+00	2e+00	6e-01	2e-15	5e-02

3:	2.9168e+00	2.9149e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9991e+00	2.9991e+00	6e-03	2e-03	4e-16	1e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	5e-16	1e-08
7:	3.0000e+00	3.0000e+00	6e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0677e+00	2.0681e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8771e+00	2.8772e+00	1e+00	4e-01	6e-16	4e-02
3:	2.9956e+00	2.9957e+00	4e-02	1e-02	3e-15	1e-03
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	2e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5783e+00	1.5749e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8878e+00	2.8862e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9878e+00	2.9875e+00	7e-02	2e-02	4e-15	2e-03
4:	2.9999e+00	2.9999e+00	7e-04	2e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9748e+00	1.9720e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9647e+00	2.9642e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9996e+00	2.9996e+00	6e-03	2e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	1e-15	2e-08
6:	3.0000e+00	3.0000e+00	6e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5771e+00	1.5744e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8712e+00	2.8699e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9886e+00	2.9884e+00	7e-02	2e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	3.0000e+00	3.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0164e+00	2.0173e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9731e+00	2.9732e+00	4e-01	1e-01	8e-16	1e-02
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	8e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06

5: 3.0000e+00 3.0000e+00 4e-07 1e-07 4e-16 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6186e+00	1.6163e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8943e+00	2.8933e+00	2e+00	5e-01	2e-15	5e-02
3:	2.9939e+00	2.9939e+00	4e-02	1e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0994e+00	1.0961e+00	5e+00	2e+00	1e-16	2e-01
2:	2.6229e+00	2.6212e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9372e+00	2.9367e+00	2e-01	7e-02	1e-15	6e-03
4:	2.9962e+00	2.9959e+00	8e-02	2e-02	4e-15	2e-03
5:	2.9972e+00	2.9971e+00	2e-02	5e-03	4e-14	4e-04
6:	3.0000e+00	3.0000e+00	2e-04	5e-05	1e-14	4e-06
7:	3.0000e+00	3.0000e+00	2e-06	5e-07	1e-14	4e-08
8:	3.0000e+00	3.0000e+00	2e-08	5e-09	1e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8148e+00	1.8134e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8161e+00	2.8156e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9931e+00	2.9930e+00	6e-02	2e-02	4e-15	1e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0853e+00	2.0845e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9454e+00	2.9453e+00	6e-01	2e-01	1e-15	2e-02
3:	2.9994e+00	2.9994e+00	6e-03	2e-03	9e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6278e+00	1.6263e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9132e+00	2.9126e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9959e+00	2.9959e+00	3e-02	1e-02	2e-15	9e-04
4:	3.0000e+00	3.0000e+00	3e-04	1e-04	4e-16	9e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	4e-16	9e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1421e+00	2.1413e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9484e+00	2.9483e+00	6e-01	2e-01	2e-15	1e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4179e+00	1.4146e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9718e+00	2.9701e+00	1e+00	4e-01	7e-16	4e-02
3:	2.9603e+00	2.9587e+00	2e-01	7e-02	3e-15	5e-03
4:	2.9996e+00	2.9996e+00	2e-03	7e-04	6e-16	6e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-16	6e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	1.1931e+00	1.1900e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9611e+00	2.9592e+00	1e+00	3e-01	9e-16	3e-02
3:	2.9053e+00	2.9024e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9990e+00	2.9989e+00	7e-03	2e-03	6e-16	2e-04
5:	3.0000e+00	3.0000e+00	7e-05	2e-05	8e-16	2e-06
6:	3.0000e+00	3.0000e+00	7e-07	2e-07	7e-16	2e-08
7:	3.0000e+00	3.0000e+00	7e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8370e+00	1.8338e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9531e+00	2.9522e+00	8e-01	3e-01	3e-15	2e-02
3:	2.9994e+00	2.9994e+00	9e-03	3e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	5e-16	3e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5314e+00	1.5309e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7776e+00	2.7773e+00	2e+00	7e-01	7e-16	6e-02
3:	2.9480e+00	2.9479e+00	3e-01	1e-01	1e-15	8e-03
4:	2.9995e+00	2.9995e+00	4e-03	1e-03	3e-16	9e-05
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8080e+00	1.8061e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8517e+00	2.8510e+00	2e+00	5e-01	1e-15	4e-02

3:	2.9968e+00	2.9967e+00	3e-02	1e-02	2e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	1e-04	3e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	5e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1026e+00	2.1019e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9654e+00	2.9653e+00	5e-01	1e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4861e+00	1.4828e+00	5e+00	2e+00	3e-16	2e-01
2:	2.7299e+00	2.7272e+00	2e+00	7e-01	2e-15	7e-02
3:	2.9453e+00	2.9435e+00	3e-01	1e-01	2e-15	8e-03
4:	2.9994e+00	2.9994e+00	4e-03	1e-03	3e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9296e+00	1.9279e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9557e+00	2.9554e+00	6e-01	2e-01	1e-15	2e-02
3:	2.9995e+00	2.9995e+00	7e-03	2e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3426e+00	2.3418e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8454e+00	3.8451e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9928e+00	3.9927e+00	5e-02	2e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5398e+00	2.5379e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9166e+00	3.9161e+00	9e-01	3e-01	2e-15	2e-02
3:	3.9991e+00	3.9991e+00	1e-02	3e-03	7e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7372e+00	1.7339e+00	5e+00	2e+00	3e-16	2e-01
2:	3.7712e+00	3.7698e+00	9e-01	3e-01	3e-15	3e-02
3:	3.9836e+00	3.9829e+00	2e-01	5e-02	6e-15	5e-03
4:	3.9996e+00	3.9996e+00	2e-03	7e-04	5e-15	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	7e-06	2e-15	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2173e+00	2.2168e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7530e+00	3.7528e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9851e+00	3.9851e+00	1e-01	3e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	1e-03	3e-04	7e-16	2e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	1e-15	2e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6486e+00	1.6467e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3862e+00	3.3853e+00	2e+00	6e-01	8e-16	5e-02
3:	3.9616e+00	3.9612e+00	4e-01	1e-01	5e-16	1e-02
4:	3.9274e+00	3.9271e+00	3e-01	9e-02	4e-15	7e-03
5:	3.9988e+00	3.9988e+00	1e-02	3e-03	1e-15	3e-04
6:	4.0000e+00	4.0000e+00	1e-04	3e-05	3e-15	3e-06
7:	4.0000e+00	4.0000e+00	1e-06	3e-07	3e-15	3e-08
8:	4.0000e+00	4.0000e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5872e+00	2.5850e+00	6e+00	2e+00	4e-16	2e-01
2:	3.9609e+00	3.9605e+00	6e-01	2e-01	1e-15	2e-02
3:	3.9996e+00	3.9996e+00	6e-03	2e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9325e+00	1.9293e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8089e+00	3.8074e+00	1e+00	5e-01	1e-15	4e-02
3:	3.9684e+00	3.9679e+00	2e-01	5e-02	3e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	5e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6599e+00	2.6597e+00	6e+00	2e+00	2e-16	2e-01

2:	3.9192e+00	3.9192e+00	9e-01	3e-01	2e-15	2e-02
3:	3.9991e+00	3.9991e+00	9e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6874e+00	1.6841e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4701e+00	3.4689e+00	9e-01	3e-01	3e-15	3e-02
3:	3.7675e+00	3.7671e+00	2e-01	8e-02	1e-15	7e-03
4:	3.8448e+00	3.8448e+00	4e-02	1e-02	1e-15	1e-03
5:	3.8572e+00	3.8572e+00	9e-03	3e-03	2e-15	3e-04
6:	3.8599e+00	3.8599e+00	2e-04	7e-05	3e-15	6e-06
7:	3.8600e+00	3.8600e+00	2e-06	7e-07	1e-15	6e-08
8:	3.8600e+00	3.8600e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9432e+00	1.9410e+00	5e+00	2e+00	3e-16	1e-01
2:	3.7579e+00	3.7567e+00	2e+00	6e-01	2e-15	5e-02
3:	3.8901e+00	3.8891e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9987e+00	3.9987e+00	6e-03	2e-03	3e-16	2e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	3e-16	2e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9875e+00	1.9841e+00	5e+00	2e+00	3e-16	2e-01
2:	3.8499e+00	3.8483e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9181e+00	3.9164e+00	3e-01	1e-01	3e-15	8e-03
4:	3.9991e+00	3.9991e+00	5e-03	1e-03	3e-16	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	1e-05	5e-16	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3587e+00	2.3579e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7651e+00	3.7647e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9887e+00	3.9886e+00	6e-02	2e-02	1e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5163e+00	2.5154e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7849e+00	3.7845e+00	2e+00	5e-01	7e-16	4e-02
3:	3.9968e+00	3.9968e+00	3e-02	8e-03	8e-16	6e-04



4:	4.0000e+00	4.0000e+00	3e-04	8e-05	5e-16	6e-06
5:	4.0000e+00	4.0000e+00	3e-06	8e-07	5e-16	6e-08
6:	4.0000e+00	4.0000e+00	3e-08	8e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1147e+00	2.1116e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7823e+00	3.7808e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9815e+00	3.9813e+00	9e-02	3e-02	3e-15	2e-03
4:	3.9998e+00	3.9998e+00	9e-04	3e-04	6e-16	2e-05
5:	4.0000e+00	4.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6682e+00	2.6667e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9306e+00	3.9304e+00	6e-01	2e-01	2e-15	2e-02
3:	3.9993e+00	3.9993e+00	7e-03	2e-03	8e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4723e+00	2.4709e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8825e+00	3.8821e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9983e+00	3.9983e+00	2e-02	5e-03	8e-16	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	5e-07	9e-16	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0120e+00	3.0127e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9855e+00	3.9855e+00	1e-01	4e-02	7e-16	3e-03
3:	3.9999e+00	3.9999e+00	1e-03	4e-04	6e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5489e+00	2.5497e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8134e+00	3.8137e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9976e+00	3.9976e+00	2e-02	7e-03	7e-16	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	6e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	7e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1052e+00	2.1019e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8933e+00	3.8918e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9909e+00	3.9908e+00	4e-02	1e-02	4e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	8e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	9e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9817e+00	1.9817e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8779e+00	3.8779e+00	1e+00	5e-01	1e-15	4e-02
3:	3.9349e+00	3.9349e+00	3e-01	9e-02	2e-15	7e-03
4:	3.9993e+00	3.9993e+00	3e-03	1e-03	3e-16	8e-05
5:	4.0000e+00	4.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	4.0000e+00	4.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3240e+00	2.3219e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8639e+00	3.8631e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9954e+00	3.9954e+00	3e-02	1e-02	2e-15	8e-04
4:	4.0000e+00	4.0000e+00	3e-04	1e-04	9e-16	8e-06
5:	4.0000e+00	4.0000e+00	3e-06	1e-06	1e-15	8e-08
6:	4.0000e+00	4.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1095e+00	2.1061e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7765e+00	3.7747e+00	2e+00	5e-01	4e-15	5e-02
3:	3.9708e+00	3.9699e+00	2e-01	5e-02	3e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2947e+00	2.2945e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8236e+00	3.8235e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9953e+00	3.9953e+00	3e-02	1e-02	1e-15	8e-04
4:	4.0000e+00	4.0000e+00	3e-04	1e-04	7e-16	8e-06
5:	4.0000e+00	4.0000e+00	3e-06	1e-06	5e-16	8e-08
6:	4.0000e+00	4.0000e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6453e+00	1.6425e+00	6e+00	2e+00	3e-16	2e-01
2:	3.3917e+00	3.3905e+00	1e+00	4e-01	7e-16	4e-02

3:	3.6435e+00	3.6429e+00	5e-01	2e-01	1e-15	1e-02
4:	3.7445e+00	3.7443e+00	1e-01	3e-02	2e-15	3e-03
5:	3.7775e+00	3.7775e+00	3e-02	1e-02	2e-15	8e-04
6:	3.7868e+00	3.7868e+00	6e-03	2e-03	2e-15	1e-04
7:	3.7885e+00	3.7885e+00	1e-03	3e-04	2e-15	3e-05
8:	3.7888e+00	3.7888e+00	1e-04	4e-05	7e-15	3e-06
9:	3.7889e+00	3.7889e+00	4e-06	1e-06	1e-15	1e-07
10:	3.7889e+00	3.7889e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0087e+00	3.0088e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9796e+00	3.9796e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	6e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9647e+00	1.9617e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7650e+00	3.7636e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9255e+00	3.9242e+00	3e-01	1e-01	3e-15	8e-03
4:	3.9992e+00	3.9992e+00	4e-03	1e-03	4e-16	9e-05
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	4e-16	9e-07
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0682e+00	2.0650e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7652e+00	3.7635e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9743e+00	3.9737e+00	1e-01	4e-02	3e-15	3e-03
4:	3.9997e+00	3.9997e+00	1e-03	4e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2273e+00	2.2257e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8470e+00	3.8465e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9683e+00	3.9681e+00	1e-01	5e-02	2e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1379e+00	2.1374e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7006e+00	3.7004e+00	2e+00	7e-01	9e-16	6e-02

3:	3.9824e+00	3.9824e+00	9e-02	3e-02	2e-15	2e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	5e-16	2e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2684e+00	1.2669e+00	5e+00	2e+00	3e-16	1e-01
2:	2.7979e+00	2.7972e+00	2e+00	5e-01	1e-15	4e-02
3:	3.2543e+00	3.2541e+00	3e-01	1e-01	5e-16	9e-03
4:	3.3214e+00	3.3213e+00	1e-01	3e-02	1e-15	3e-03
5:	3.3560e+00	3.3560e+00	1e-02	5e-03	9e-16	4e-04
6:	3.3585e+00	3.3585e+00	5e-03	2e-03	1e-14	1e-04
7:	3.3599e+00	3.3599e+00	9e-04	3e-04	2e-15	2e-05
8:	3.3602e+00	3.3602e+00	5e-05	1e-05	3e-15	1e-06
9:	3.3602e+00	3.3602e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4403e+00	2.4400e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7322e+00	3.7321e+00	2e+00	6e-01	9e-16	5e-02
3:	3.9912e+00	3.9912e+00	6e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	2e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5580e+00	2.5563e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8854e+00	3.8850e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9988e+00	3.9988e+00	1e-02	3e-03	2e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4673e+00	1.4649e+00	5e+00	2e+00	3e-16	1e-01
2:	3.3316e+00	3.3307e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8783e+00	3.8780e+00	3e-01	9e-02	1e-15	8e-03
4:	3.9617e+00	3.9616e+00	1e-01	3e-02	2e-15	3e-03
5:	3.9958e+00	3.9957e+00	3e-02	9e-03	3e-15	7e-04
6:	3.9966e+00	3.9965e+00	1e-02	3e-03	9e-14	2e-04
7:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-14	3e-06
8:	4.0000e+00	4.0000e+00	1e-06	4e-07	5e-14	3e-08
9:	4.0000e+00	4.0000e+00	1e-08	4e-09	4e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.5005e+00	1.4985e+00	5e+00	2e+00	2e-16	1e-01
2:	3.0369e+00	3.0360e+00	1e+00	4e-01	1e-15	4e-02
3:	3.5440e+00	3.5437e+00	3e-01	9e-02	8e-16	7e-03
4:	3.6156e+00	3.6156e+00	7e-02	2e-02	1e-15	2e-03
5:	3.6403e+00	3.6403e+00	4e-03	1e-03	2e-15	1e-04
6:	3.6418e+00	3.6418e+00	4e-05	1e-05	1e-15	1e-06
7:	3.6418e+00	3.6418e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7424e+00	1.7415e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9074e+00	3.9071e+00	1e+00	3e-01	9e-16	3e-02
3:	3.8756e+00	3.8753e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9986e+00	3.9986e+00	6e-03	2e-03	5e-16	2e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	7e-16	2e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8912e+00	1.8879e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7810e+00	3.7791e+00	2e+00	5e-01	2e-15	5e-02
3:	3.9580e+00	3.9574e+00	2e-01	5e-02	4e-15	4e-03
4:	3.9996e+00	3.9996e+00	2e-03	5e-04	7e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2447e+00	2.2440e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8072e+00	3.8068e+00	2e+00	6e-01	9e-16	5e-02
3:	3.9887e+00	3.9887e+00	6e-02	2e-02	1e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	5e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8629e+00	2.8614e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9274e+00	3.9272e+00	5e-01	2e-01	1e-15	1e-02
3:	3.9992e+00	3.9992e+00	6e-03	2e-03	1e-15	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5327e+00	1.5300e+00	6e+00	2e+00	2e-16	2e-01
2:	3.3919e+00	3.3909e+00	1e+00	3e-01	1e-15	3e-02
3:	3.6750e+00	3.6747e+00	3e-01	9e-02	1e-15	8e-03

4:	3.7460e+00	3.7459e+00	7e-02	2e-02	2e-15	2e-03
5:	3.7693e+00	3.7693e+00	1e-02	4e-03	7e-16	3e-04
6:	3.7746e+00	3.7746e+00	7e-04	2e-04	1e-15	2e-05
7:	3.7748e+00	3.7748e+00	7e-06	2e-06	2e-15	2e-07
8:	3.7748e+00	3.7748e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7358e+00	2.7361e+00	6e+00	2e+00	2e-16	1e-01
2:	3.8186e+00	3.8187e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9967e+00	3.9967e+00	2e-02	7e-03	2e-15	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	7e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	5e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2416e+00	2.2451e+00	7e+00	2e+00	2e-16	2e-01
2:	3.7554e+00	3.7568e+00	2e+00	7e-01	2e-15	5e-02
3:	3.9883e+00	3.9884e+00	7e-02	2e-02	1e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3406e+00	2.3418e+00	7e+00	2e+00	2e-16	2e-01
2:	3.7496e+00	3.7501e+00	2e+00	6e-01	5e-16	5e-02
3:	3.9932e+00	3.9932e+00	5e-02	2e-02	8e-16	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	2e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6611e+00	2.6601e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8716e+00	3.8713e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	2e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5437e+00	2.5427e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8466e+00	3.8464e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9982e+00	3.9982e+00	1e-02	5e-03	1e-15	4e-04
4:	4.0000e+00	4.0000e+00	1e-04	5e-05	8e-16	4e-06
5:	4.0000e+00	4.0000e+00	1e-06	5e-07	1e-15	4e-08

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6: 4.0000e+00 4.0000e+00 1e-08 5e-09 8e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.1997e+00 2.1964e+00 6e+00 2e+00 2e-16 2e-01
2: 3.7769e+00 3.7754e+00 2e+00 5e-01 3e-15 5e-02
3: 3.9852e+00 3.9847e+00 9e-02 3e-02 3e-15 2e-03
4: 3.9999e+00 3.9998e+00 9e-04 3e-04 4e-16 2e-05
5: 4.0000e+00 4.0000e+00 9e-06 3e-06 4e-16 2e-07
6: 4.0000e+00 4.0000e+00 9e-08 3e-08 5e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.2593e+00 2.2573e+00 6e+00 2e+00 2e-16 2e-01
2: 3.7945e+00 3.7937e+00 2e+00 5e-01 1e-15 4e-02
3: 3.9856e+00 3.9855e+00 7e-02 2e-02 2e-15 2e-03
4: 3.9999e+00 3.9999e+00 7e-04 2e-04 5e-16 2e-05
5: 4.0000e+00 4.0000e+00 7e-06 2e-06 4e-16 2e-07
6: 4.0000e+00 4.0000e+00 7e-08 2e-08 5e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.3863e+00 2.3855e+00 5e+00 2e+00 2e-16 1e-01
2: 3.7752e+00 3.7749e+00 2e+00 5e-01 9e-16 4e-02
3: 3.9189e+00 3.9186e+00 4e-01 1e-01 1e-15 1e-02
4: 3.9991e+00 3.9991e+00 6e-03 2e-03 4e-16 1e-04
5: 4.0000e+00 4.0000e+00 6e-05 2e-05 4e-16 1e-06
6: 4.0000e+00 4.0000e+00 6e-07 2e-07 3e-16 1e-08
7: 4.0000e+00 4.0000e+00 6e-09 2e-09 7e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.4872e+00 2.4860e+00 6e+00 2e+00 2e-16 1e-01
2: 3.7693e+00 3.7689e+00 2e+00 5e-01 1e-15 4e-02
3: 3.9813e+00 3.9813e+00 9e-02 3e-02 2e-15 2e-03
4: 3.9998e+00 3.9998e+00 9e-04 3e-04 4e-16 2e-05
5: 4.0000e+00 4.0000e+00 9e-06 3e-06 4e-16 2e-07
6: 4.0000e+00 4.0000e+00 9e-08 3e-08 5e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.3030e+00 2.3016e+00 6e+00 2e+00 2e-16 2e-01
2: 3.7457e+00 3.7452e+00 2e+00 6e-01 9e-16 5e-02
3: 3.9796e+00 3.9795e+00 1e-01 4e-02 1e-15 3e-03
4: 3.9998e+00 3.9998e+00 1e-03 4e-04 4e-16 3e-05
5: 4.0000e+00 4.0000e+00 1e-05 4e-06 4e-16 3e-07
6: 4.0000e+00 4.0000e+00 1e-07 4e-08 5e-16 3e-09
Optimal solution found.

```

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3475e+00	2.3468e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6982e+00	3.6978e+00	2e+00	7e-01	7e-16	5e-02
3:	3.9773e+00	3.9772e+00	2e-01	5e-02	1e-15	4e-03
4:	3.9998e+00	3.9998e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2416e+00	2.2413e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5105e+00	4.5104e+00	2e+00	6e-01	8e-16	5e-02
3:	4.8974e+00	4.8974e+00	7e-01	2e-01	1e-15	2e-02
4:	4.9925e+00	4.9925e+00	3e-02	9e-03	3e-15	7e-04
5:	4.9999e+00	4.9999e+00	3e-04	9e-05	1e-15	7e-06
6:	5.0000e+00	5.0000e+00	3e-06	9e-07	4e-16	7e-08
7:	5.0000e+00	5.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0452e+00	2.0419e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8694e+00	3.8679e+00	1e+00	4e-01	2e-15	4e-02
3:	4.1790e+00	4.1785e+00	3e-01	1e-01	2e-15	1e-02
4:	4.2835e+00	4.2833e+00	7e-02	2e-02	2e-15	2e-03
5:	4.3083e+00	4.3083e+00	8e-03	2e-03	1e-15	2e-04
6:	4.3114e+00	4.3114e+00	2e-03	5e-04	6e-16	5e-05
7:	4.3121e+00	4.3121e+00	2e-05	6e-06	1e-15	5e-07
8:	4.3121e+00	4.3121e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3529e+00	3.3538e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8711e+00	4.8713e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9986e+00	4.9986e+00	1e-02	4e-03	6e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	3e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4032e+00	3.4038e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8896e+00	4.8897e+00	8e-01	2e-01	2e-15	2e-02
3:	4.9988e+00	4.9988e+00	9e-03	3e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	7e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	3.1217e+00	3.1254e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8588e+00	4.8596e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9979e+00	4.9979e+00	1e-02	5e-03	9e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	5e-05	8e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	5e-07	1e-15	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	5e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2820e+00	1.2789e+00	5e+00	2e+00	2e-16	1e-01
2:	3.3136e+00	3.3124e+00	1e+00	3e-01	1e-15	3e-02
3:	3.6732e+00	3.6730e+00	2e-01	5e-02	8e-16	4e-03
4:	3.7137e+00	3.7136e+00	3e-02	9e-03	4e-15	8e-04
5:	3.7254e+00	3.7254e+00	8e-04	3e-04	1e-15	2e-05
6:	3.7257e+00	3.7257e+00	8e-06	3e-06	1e-15	2e-07
7:	3.7257e+00	3.7257e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2611e+00	2.2601e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9833e+00	3.9831e+00	1e+00	3e-01	2e-15	3e-02
3:	4.4553e+00	4.4552e+00	1e-01	4e-02	1e-15	4e-03
4:	4.5040e+00	4.5040e+00	2e-02	5e-03	2e-15	4e-04
5:	4.5103e+00	4.5103e+00	2e-04	6e-05	9e-16	5e-06
6:	4.5104e+00	4.5104e+00	2e-06	6e-07	1e-15	5e-08
7:	4.5104e+00	4.5104e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2326e+00	3.2332e+00	6e+00	2e+00	2e-16	1e-01
2:	4.7269e+00	4.7271e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9459e+00	4.9460e+00	3e-01	8e-02	2e-15	6e-03
4:	4.9994e+00	4.9994e+00	3e-03	9e-04	4e-16	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0304e+00	2.0276e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8736e+00	3.8724e+00	2e+00	5e-01	2e-15	4e-02
3:	4.3443e+00	4.3437e+00	5e-01	2e-01	2e-15	1e-02
4:	4.4865e+00	4.4863e+00	1e-01	4e-02	3e-15	3e-03
5:	4.5294e+00	4.5293e+00	2e-02	6e-03	1e-15	5e-04
6:	4.5358e+00	4.5358e+00	2e-03	7e-04	2e-15	6e-05
7:	4.5365e+00	4.5365e+00	3e-05	8e-06	7e-15	7e-07
8:	4.5365e+00	4.5365e+00	3e-07	8e-08	7e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7752e+00	2.7769e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7159e+00	4.7166e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9684e+00	4.9685e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6083e+00	2.6084e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1771e+00	4.1771e+00	1e+00	4e-01	2e-15	3e-02
3:	4.7257e+00	4.7257e+00	3e-01	8e-02	1e-15	6e-03
4:	4.8081e+00	4.8081e+00	3e-02	8e-03	1e-15	7e-04
5:	4.8154e+00	4.8154e+00	4e-03	1e-03	4e-15	1e-04
6:	4.8171e+00	4.8171e+00	2e-04	7e-05	9e-16	5e-06
7:	4.8172e+00	4.8172e+00	2e-06	7e-07	8e-16	5e-08
8:	4.8172e+00	4.8172e+00	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9275e+00	1.9242e+00	5e+00	2e+00	2e-16	2e-01
2:	3.7696e+00	3.7676e+00	2e+00	5e-01	2e-15	5e-02
3:	4.1519e+00	4.1511e+00	5e-01	2e-01	1e-15	2e-02
4:	4.3052e+00	4.3049e+00	1e-01	4e-02	1e-15	4e-03
5:	4.3516e+00	4.3515e+00	2e-02	7e-03	1e-15	7e-04
6:	4.3605e+00	4.3605e+00	2e-03	5e-04	2e-15	5e-05
7:	4.3611e+00	4.3611e+00	2e-05	5e-06	4e-15	5e-07
8:	4.3611e+00	4.3611e+00	2e-07	5e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3153e+00	2.3131e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4932e+00	4.4923e+00	1e+00	4e-01	1e-15	4e-02
3:	4.9008e+00	4.9003e+00	5e-01	2e-01	2e-15	1e-02
4:	4.9849e+00	4.9848e+00	5e-02	1e-02	3e-15	1e-03
5:	4.9998e+00	4.9998e+00	5e-04	2e-04	8e-16	1e-05
6:	5.0000e+00	5.0000e+00	5e-06	2e-06	1e-15	1e-07
7:	5.0000e+00	5.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9600e+00	2.9627e+00	7e+00	2e+00	3e-16	2e-01
2:	4.6201e+00	4.6209e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9366e+00	4.9369e+00	5e-01	2e-01	6e-16	1e-02
4:	4.9960e+00	4.9960e+00	2e-02	7e-03	4e-15	5e-04
5:	5.0000e+00	5.0000e+00	2e-04	7e-05	5e-16	5e-06
6:	5.0000e+00	5.0000e+00	2e-06	7e-07	4e-16	5e-08

7: 5.0000e+00 5.0000e+00 2e-08 7e-09 7e-16 5e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4710e+00	2.4691e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3478e+00	4.3473e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9141e+00	4.9140e+00	2e-01	5e-02	1e-15	4e-03
4:	4.9783e+00	4.9783e+00	4e-02	1e-02	4e-15	1e-03
5:	4.9990e+00	4.9990e+00	4e-03	1e-03	2e-15	1e-04
6:	4.9994e+00	4.9994e+00	2e-03	6e-04	6e-13	4e-05
7:	5.0000e+00	5.0000e+00	5e-05	2e-05	1e-13	1e-06
8:	5.0000e+00	5.0000e+00	6e-07	2e-07	6e-13	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2119e+00	3.2093e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7718e+00	4.7711e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9613e+00	4.9610e+00	2e-01	5e-02	5e-15	4e-03
4:	4.9996e+00	4.9996e+00	2e-03	5e-04	1e-15	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	5e-06	6e-16	4e-07
6:	5.0000e+00	5.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1985e+00	2.1962e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2416e+00	4.2403e+00	2e+00	6e-01	1e-15	5e-02
3:	4.7247e+00	4.7242e+00	4e-01	1e-01	9e-16	1e-02
4:	4.8683e+00	4.8682e+00	1e-01	4e-02	2e-15	3e-03
5:	4.9037e+00	4.9036e+00	3e-02	8e-03	6e-15	7e-04
6:	4.9117e+00	4.9117e+00	4e-03	1e-03	7e-15	1e-04
7:	4.9133e+00	4.9133e+00	4e-05	1e-05	1e-15	1e-06
8:	4.9133e+00	4.9133e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9748e+00	2.9769e+00	6e+00	2e+00	2e-16	1e-01
2:	4.7701e+00	4.7708e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9636e+00	4.9638e+00	2e-01	5e-02	8e-16	4e-03
4:	4.9996e+00	4.9996e+00	2e-03	5e-04	4e-16	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	5.0000e+00	5.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2524e+00	2.2494e+00	6e+00	2e+00	2e-16	2e-01
2:	4.1798e+00	4.1786e+00	1e+00	4e-01	1e-15	4e-02
3:	4.6233e+00	4.6229e+00	4e-01	1e-01	2e-15	1e-02
4:	4.7516e+00	4.7513e+00	1e-01	5e-02	2e-15	4e-03

5:	4.7809e+00	4.7807e+00	5e-02	1e-02	3e-15	1e-03
6:	4.7956e+00	4.7956e+00	8e-03	3e-03	3e-15	2e-04
7:	4.7985e+00	4.7985e+00	7e-04	2e-04	2e-15	2e-05
8:	4.7987e+00	4.7987e+00	3e-05	9e-06	4e-15	7e-07
9:	4.7987e+00	4.7987e+00	3e-07	9e-08	7e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5288e+00	2.5272e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5756e+00	4.5750e+00	1e+00	5e-01	3e-15	4e-02
3:	4.9328e+00	4.9325e+00	5e-01	1e-01	2e-15	1e-02
4:	4.9970e+00	4.9970e+00	1e-02	4e-03	3e-15	3e-04
5:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	5.0000e+00	5.0000e+00	1e-06	4e-07	9e-16	3e-08
7:	5.0000e+00	5.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1182e+00	2.1150e+00	5e+00	2e+00	2e-16	2e-01
2:	4.6556e+00	4.6538e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9273e+00	4.9263e+00	3e-01	1e-01	3e-15	9e-03
4:	4.9890e+00	4.9888e+00	6e-02	2e-02	8e-15	2e-03
5:	4.9998e+00	4.9998e+00	9e-04	3e-04	4e-15	2e-05
6:	5.0000e+00	5.0000e+00	9e-06	3e-06	5e-15	2e-07
7:	5.0000e+00	5.0000e+00	9e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1995e+00	3.2018e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7285e+00	4.7292e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9900e+00	4.9901e+00	5e-02	2e-02	9e-16	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2412e+00	2.2448e+00	7e+00	2e+00	2e-16	2e-01
2:	4.5440e+00	4.5451e+00	1e+00	4e-01	6e-16	3e-02
3:	4.9509e+00	4.9512e+00	3e-01	1e-01	8e-16	8e-03
4:	4.9784e+00	4.9785e+00	6e-02	2e-02	1e-14	1e-03
5:	4.9998e+00	4.9998e+00	6e-04	2e-04	1e-15	2e-05
6:	5.0000e+00	5.0000e+00	6e-06	2e-06	1e-15	2e-07
7:	5.0000e+00	5.0000e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1791e+00	3.1810e+00	7e+00	2e+00	2e-16	2e-01

2:	4.8207e+00	4.8212e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9966e+00	4.9967e+00	2e-02	7e-03	1e-15	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	7e-05	6e-16	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	7e-07	9e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9449e+00	2.9457e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7113e+00	4.7116e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9818e+00	4.9818e+00	1e-01	3e-02	1e-15	2e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	2e-16	2e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7462e+00	2.7442e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6982e+00	4.6973e+00	2e+00	5e-01	2e-15	5e-02
3:	4.9536e+00	4.9534e+00	2e-01	5e-02	2e-15	4e-03
4:	4.9995e+00	4.9995e+00	2e-03	6e-04	5e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.3480e+00	2.3534e+00	6e+00	2e+00	3e-16	1e-01
2:	4.1385e+00	4.1401e+00	1e+00	4e-01	8e-16	3e-02
3:	4.5831e+00	4.5835e+00	3e-01	1e-01	6e-16	7e-03
4:	4.6394e+00	4.6396e+00	7e-02	2e-02	2e-15	2e-03
5:	4.6633e+00	4.6633e+00	1e-02	4e-03	1e-15	3e-04
6:	4.6670e+00	4.6670e+00	6e-04	2e-04	4e-15	1e-05
7:	4.6672e+00	4.6672e+00	5e-05	2e-05	1e-15	1e-06
8:	4.6672e+00	4.6672e+00	7e-07	2e-07	2e-15	2e-08
9:	4.6672e+00	4.6672e+00	7e-09	2e-09	2e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7596e+00	1.7570e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7243e+00	3.7232e+00	1e+00	4e-01	2e-15	3e-02
3:	4.0838e+00	4.0837e+00	1e-01	4e-02	7e-16	4e-03
4:	4.1363e+00	4.1363e+00	2e-02	7e-03	9e-16	6e-04
5:	4.1418e+00	4.1417e+00	5e-03	2e-03	5e-15	1e-04
6:	4.1439e+00	4.1439e+00	6e-05	2e-05	7e-16	2e-06
7:	4.1439e+00	4.1439e+00	6e-07	2e-07	6e-16	2e-08
8:	4.1439e+00	4.1439e+00	6e-09	2e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3444e+00	3.3440e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8653e+00	4.8652e+00	9e-01	3e-01	7e-16	2e-02
3:	4.9985e+00	4.9985e+00	1e-02	3e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8032e+00	2.8048e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7124e+00	4.7128e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9063e+00	4.9066e+00	3e-01	1e-01	2e-15	8e-03
4:	4.9990e+00	4.9990e+00	4e-03	1e-03	3e-16	1e-04
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1899e+00	3.1882e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7730e+00	4.7724e+00	1e+00	5e-01	3e-15	4e-02
3:	4.9961e+00	4.9961e+00	2e-02	8e-03	1e-15	6e-04
4:	5.0000e+00	5.0000e+00	2e-04	8e-05	6e-16	6e-06
5:	5.0000e+00	5.0000e+00	2e-06	8e-07	8e-16	6e-08
6:	5.0000e+00	5.0000e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7337e+00	2.7312e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6888e+00	4.6879e+00	1e+00	4e-01	3e-15	4e-02
3:	4.9652e+00	4.9649e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9984e+00	4.9984e+00	9e-03	3e-03	4e-15	2e-04
5:	5.0000e+00	5.0000e+00	9e-05	3e-05	1e-15	2e-06
6:	5.0000e+00	5.0000e+00	9e-07	3e-07	1e-15	2e-08
7:	5.0000e+00	5.0000e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6471e+00	2.6450e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6271e+00	4.6262e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9102e+00	4.9096e+00	4e-01	1e-01	3e-15	1e-02
4:	4.9989e+00	4.9989e+00	6e-03	2e-03	9e-16	1e-04
5:	5.0000e+00	5.0000e+00	6e-05	2e-05	8e-16	1e-06
6:	5.0000e+00	5.0000e+00	6e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9846e+00	2.9818e+00	6e+00	2e+00	3e-16	2e-01

2:	4.8439e+00	4.8430e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9950e+00	4.9949e+00	3e-02	9e-03	3e-15	7e-04
4:	4.9999e+00	4.9999e+00	3e-04	9e-05	7e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	9e-07	8e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1736e+00	2.1712e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4143e+00	4.4133e+00	1e+00	4e-01	2e-15	3e-02
3:	4.7015e+00	4.7012e+00	3e-01	8e-02	1e-15	7e-03
4:	4.7724e+00	4.7723e+00	4e-02	1e-02	1e-15	1e-03
5:	4.7849e+00	4.7849e+00	5e-03	2e-03	8e-16	1e-04
6:	4.7863e+00	4.7863e+00	8e-04	2e-04	2e-15	2e-05
7:	4.7866e+00	4.7866e+00	2e-05	5e-06	9e-16	4e-07
8:	4.7867e+00	4.7867e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9365e+00	1.9338e+00	5e+00	2e+00	2e-16	1e-01
2:	3.7936e+00	3.7925e+00	1e+00	4e-01	1e-15	3e-02
3:	4.1790e+00	4.1787e+00	2e-01	7e-02	9e-16	6e-03
4:	4.2722e+00	4.2722e+00	3e-02	9e-03	7e-16	8e-04
5:	4.2823e+00	4.2823e+00	8e-03	2e-03	5e-15	2e-04
6:	4.2847e+00	4.2847e+00	1e-03	4e-04	2e-14	3e-05
7:	4.2852e+00	4.2852e+00	2e-05	6e-06	2e-15	5e-07
8:	4.2852e+00	4.2852e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5470e+00	2.5478e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4372e+00	4.4375e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9223e+00	4.9225e+00	5e-01	2e-01	1e-15	1e-02
4:	4.9952e+00	4.9952e+00	2e-02	6e-03	3e-15	5e-04
5:	5.0000e+00	5.0000e+00	2e-04	6e-05	1e-15	5e-06
6:	5.0000e+00	5.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	5.0000e+00	5.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5851e+00	2.5817e+00	5e+00	2e+00	3e-16	2e-01
2:	4.8577e+00	4.8563e+00	1e+00	4e-01	3e-15	4e-02
3:	4.9705e+00	4.9700e+00	1e-01	4e-02	4e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	7e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	9e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.1120e+00	3.1090e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9193e+00	4.9185e+00	9e-01	3e-01	3e-15	3e-02
3:	4.9981e+00	4.9980e+00	1e-02	4e-03	3e-15	4e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	4e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5097e+00	2.5080e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7295e+00	4.7289e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9050e+00	4.9046e+00	3e-01	9e-02	3e-15	8e-03
4:	4.9989e+00	4.9989e+00	5e-03	2e-03	6e-16	1e-04
5:	5.0000e+00	5.0000e+00	5e-05	2e-05	8e-16	1e-06
6:	5.0000e+00	5.0000e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1636e+00	3.1632e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8065e+00	4.8064e+00	1e+00	4e-01	7e-16	3e-02
3:	4.9762e+00	4.9762e+00	9e-02	3e-02	3e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	5e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0960e+00	3.0953e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6180e+00	4.6176e+00	2e+00	7e-01	1e-15	6e-02
3:	4.9878e+00	4.9878e+00	8e-02	2e-02	2e-15	2e-03
4:	4.9999e+00	4.9999e+00	8e-04	2e-04	3e-16	2e-05
5:	5.0000e+00	5.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	5.0000e+00	5.0000e+00	8e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5916e+00	2.5901e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7388e+00	4.7382e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9079e+00	4.9076e+00	3e-01	9e-02	3e-15	7e-03
4:	4.9990e+00	4.9990e+00	3e-03	1e-03	5e-16	9e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	5e-16	9e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4966e+00	3.4968e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8533e+00	4.8534e+00	9e-01	3e-01	2e-15	2e-02



3:	4.9982e+00	4.9982e+00	1e-02	3e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8054e+00	2.8033e+00	6e+00	2e+00	2e-16	2e-01
2:	4.2428e+00	4.2420e+00	2e+00	5e-01	3e-15	4e-02
3:	4.9374e+00	4.9371e+00	4e-01	1e-01	1e-15	1e-02
4:	4.9181e+00	4.9177e+00	2e-01	8e-02	5e-15	6e-03
5:	4.9962e+00	4.9962e+00	2e-02	5e-03	8e-16	4e-04
6:	5.0000e+00	5.0000e+00	2e-04	5e-05	3e-15	4e-06
7:	5.0000e+00	5.0000e+00	2e-06	5e-07	3e-15	4e-08
8:	5.0000e+00	5.0000e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8613e+00	2.8622e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7526e+00	4.7530e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9842e+00	4.9842e+00	7e-02	2e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	5.0000e+00	5.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7745e+00	2.7722e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6838e+00	4.6826e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9759e+00	4.9757e+00	1e-01	3e-02	2e-15	3e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7736e+00	2.7744e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7691e+00	4.7693e+00	1e+00	4e-01	9e-16	3e-02
3:	4.9086e+00	4.9088e+00	3e-01	1e-01	2e-15	8e-03
4:	4.9989e+00	4.9989e+00	5e-03	1e-03	3e-16	1e-04
5:	5.0000e+00	5.0000e+00	5e-05	1e-05	5e-16	1e-06
6:	5.0000e+00	5.0000e+00	5e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3106e+00	2.3078e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7042e+00	4.7030e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9534e+00	4.9528e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9960e+00	4.9960e+00	2e-02	5e-03	4e-15	4e-04

5:	5.0000e+00	5.0000e+00	2e-04	5e-05	1e-15	4e-06
6:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
7:	5.0000e+00	5.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0172e+00	3.0188e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6958e+00	4.6965e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9811e+00	4.9812e+00	9e-02	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7656e+00	2.7629e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8181e+00	5.8171e+00	9e-01	3e-01	1e-15	3e-02
3:	5.8263e+00	5.8252e+00	4e-01	1e-01	4e-15	1e-02
4:	5.9979e+00	5.9979e+00	9e-03	3e-03	7e-16	2e-04
5:	6.0000e+00	6.0000e+00	9e-05	3e-05	2e-15	2e-06
6:	6.0000e+00	6.0000e+00	9e-07	3e-07	2e-15	2e-08
7:	6.0000e+00	6.0000e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4174e+00	3.4203e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6735e+00	5.6744e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9157e+00	5.9161e+00	5e-01	2e-01	9e-16	1e-02
4:	5.9871e+00	5.9872e+00	6e-02	2e-02	3e-15	2e-03
5:	5.9999e+00	5.9999e+00	7e-04	2e-04	9e-16	2e-05
6:	6.0000e+00	6.0000e+00	7e-06	2e-06	9e-16	2e-07
7:	6.0000e+00	6.0000e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2390e+00	3.2384e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6089e+00	5.6086e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9797e+00	5.9797e+00	8e-02	3e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	8e-04	3e-04	7e-16	2e-05
5:	6.0000e+00	6.0000e+00	8e-06	3e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4983e+00	3.4975e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6664e+00	5.6660e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9574e+00	5.9573e+00	2e-01	6e-02	2e-15	5e-03
4:	5.9996e+00	5.9996e+00	2e-03	6e-04	6e-16	5e-05

5:	6.0000e+00	6.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2347e+00	3.2354e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7056e+00	5.7058e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9422e+00	5.9423e+00	2e-01	6e-02	3e-15	5e-03
4:	5.9994e+00	5.9994e+00	2e-03	6e-04	7e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8931e+00	3.8935e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6981e+00	5.6983e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9911e+00	5.9911e+00	4e-02	1e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2834e+00	3.2827e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3089e+00	5.3087e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9187e+00	5.9186e+00	4e-01	1e-01	2e-15	1e-02
4:	5.9967e+00	5.9967e+00	1e-02	4e-03	2e-15	3e-04
5:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	6.0000e+00	6.0000e+00	1e-06	4e-07	8e-16	3e-08
7:	6.0000e+00	6.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8682e+00	3.8694e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7664e+00	5.7668e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9932e+00	5.9932e+00	3e-02	1e-02	1e-15	8e-04
4:	5.9999e+00	5.9999e+00	3e-04	1e-04	9e-16	8e-06
5:	6.0000e+00	6.0000e+00	3e-06	1e-06	1e-15	8e-08
6:	6.0000e+00	6.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4667e+00	3.4678e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6629e+00	5.6633e+00	2e+00	6e-01	2e-15	4e-02
3:	5.9800e+00	5.9801e+00	8e-02	3e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	8e-04	3e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	8e-06	3e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4138e+00	3.4130e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7945e+00	5.7943e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9669e+00	5.9669e+00	1e-01	4e-02	3e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	6e-16	4e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	4e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8808e+00	3.8834e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6118e+00	5.6127e+00	2e+00	6e-01	2e-15	4e-02
3:	5.9907e+00	5.9908e+00	4e-02	1e-02	1e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2932e+00	2.2898e+00	5e+00	2e+00	3e-16	2e-01
2:	4.4298e+00	4.4280e+00	1e+00	4e-01	1e-15	4e-02
3:	4.8016e+00	4.8009e+00	3e-01	8e-02	4e-15	7e-03
4:	4.8917e+00	4.8916e+00	4e-02	1e-02	1e-15	1e-03
5:	4.9011e+00	4.9011e+00	9e-03	3e-03	6e-16	2e-04
6:	4.9037e+00	4.9037e+00	3e-03	8e-04	6e-16	7e-05
7:	4.9045e+00	4.9045e+00	7e-05	2e-05	2e-15	2e-06
8:	4.9045e+00	4.9045e+00	7e-07	2e-07	7e-16	2e-08
9:	4.9045e+00	4.9045e+00	7e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9296e+00	2.9265e+00	6e+00	2e+00	3e-16	2e-01
2:	5.0917e+00	5.0902e+00	1e+00	4e-01	2e-15	4e-02
3:	5.7202e+00	5.7197e+00	2e-01	6e-02	1e-15	5e-03
4:	5.7877e+00	5.7876e+00	3e-02	8e-03	1e-15	7e-04
5:	5.7958e+00	5.7958e+00	5e-04	2e-04	3e-15	1e-05
6:	5.7959e+00	5.7959e+00	5e-06	2e-06	1e-15	1e-07
7:	5.7959e+00	5.7959e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0962e+00	2.0937e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4904e+00	4.4894e+00	1e+00	4e-01	2e-15	4e-02
3:	4.8170e+00	4.8166e+00	3e-01	1e-01	3e-15	8e-03
4:	4.9082e+00	4.9081e+00	5e-02	1e-02	1e-15	1e-03
5:	4.9238e+00	4.9237e+00	7e-03	2e-03	8e-16	2e-04

6:	4.9265e+00	4.9265e+00	9e-04	3e-04	1e-15	2e-05
7:	4.9269e+00	4.9269e+00	1e-05	3e-06	4e-15	3e-07
8:	4.9269e+00	4.9269e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8322e+00	2.8302e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4531e+00	5.4523e+00	1e+00	4e-01	9e-16	3e-02
3:	5.8990e+00	5.8987e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9835e+00	5.9834e+00	9e-02	3e-02	4e-15	2e-03
5:	5.9966e+00	5.9966e+00	1e-02	4e-03	3e-14	3e-04
6:	6.0000e+00	6.0000e+00	1e-04	4e-05	2e-15	3e-06
7:	6.0000e+00	6.0000e+00	1e-06	4e-07	5e-15	3e-08
8:	6.0000e+00	6.0000e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2127e+00	3.2135e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6583e+00	5.6585e+00	1e+00	5e-01	1e-15	4e-02
3:	5.9754e+00	5.9755e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9998e+00	5.9998e+00	1e-03	4e-04	7e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0395e+00	3.0392e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2937e+00	5.2936e+00	1e+00	4e-01	9e-16	3e-02
3:	5.7347e+00	5.7347e+00	3e-01	1e-01	1e-15	8e-03
4:	5.8487e+00	5.8487e+00	7e-02	2e-02	3e-15	2e-03
5:	5.8653e+00	5.8653e+00	2e-02	5e-03	4e-15	4e-04
6:	5.8705e+00	5.8705e+00	4e-03	1e-03	2e-15	1e-04
7:	5.8713e+00	5.8713e+00	1e-03	5e-04	2e-14	4e-05
8:	5.8718e+00	5.8718e+00	4e-04	1e-04	6e-15	1e-05
9:	5.8719e+00	5.8719e+00	4e-06	1e-06	8e-15	1e-07
10:	5.8719e+00	5.8719e+00	4e-08	1e-08	8e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5679e+00	3.5685e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6670e+00	5.6673e+00	2e+00	5e-01	8e-16	4e-02
3:	5.9653e+00	5.9653e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.6819e+00	2.6827e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7452e+00	4.7454e+00	1e+00	4e-01	1e-15	3e-02
3:	5.2850e+00	5.2850e+00	2e-01	7e-02	1e-15	5e-03
4:	5.3532e+00	5.3532e+00	6e-02	2e-02	2e-15	1e-03
5:	5.3797e+00	5.3797e+00	1e-02	4e-03	4e-15	3e-04
6:	5.3834e+00	5.3834e+00	1e-03	3e-04	2e-14	3e-05
7:	5.3839e+00	5.3839e+00	1e-05	3e-06	4e-15	3e-07
8:	5.3839e+00	5.3839e+00	1e-07	3e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8012e+00	2.8000e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5648e+00	5.5644e+00	1e+00	3e-01	1e-15	3e-02
3:	5.8961e+00	5.8960e+00	2e-01	8e-02	3e-15	6e-03
4:	5.9713e+00	5.9712e+00	6e-02	2e-02	3e-15	2e-03
5:	5.9968e+00	5.9968e+00	1e-02	4e-03	8e-16	3e-04
6:	5.9991e+00	5.9991e+00	3e-03	1e-03	2e-14	9e-05
7:	5.9999e+00	5.9999e+00	9e-04	3e-04	3e-13	2e-05
8:	6.0000e+00	6.0000e+00	7e-05	2e-05	2e-12	2e-06
9:	6.0000e+00	6.0000e+00	7e-07	2e-07	5e-13	2e-08
10:	6.0000e+00	6.0000e+00	7e-09	2e-09	4e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8480e+00	3.8522e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6696e+00	5.6710e+00	2e+00	5e-01	9e-16	4e-02
3:	5.9732e+00	5.9735e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0054e+00	3.0040e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4470e+00	5.4464e+00	1e+00	4e-01	1e-15	4e-02
3:	5.9221e+00	5.9220e+00	3e-01	9e-02	1e-15	7e-03
4:	5.9788e+00	5.9788e+00	7e-02	2e-02	1e-14	2e-03
5:	5.9997e+00	5.9997e+00	1e-03	4e-04	6e-15	3e-05
6:	6.0000e+00	6.0000e+00	1e-05	4e-06	1e-14	3e-07
7:	6.0000e+00	6.0000e+00	1e-07	4e-08	9e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8568e+00	1.8534e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9030e+00	3.9016e+00	1e+00	3e-01	1e-15	3e-02
3:	4.3551e+00	4.3546e+00	2e-01	6e-02	2e-15	6e-03
4:	4.4472e+00	4.4472e+00	1e-02	4e-03	3e-15	4e-04
5:	4.4518e+00	4.4518e+00	1e-03	4e-04	3e-14	3e-05

6:	4.4523e+00	4.4523e+00	1e-05	4e-06	3e-15	3e-07
7:	4.4523e+00	4.4523e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7887e+00	2.7862e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0945e+00	5.0936e+00	1e+00	4e-01	2e-15	3e-02
3:	5.4742e+00	5.4740e+00	3e-01	9e-02	1e-15	8e-03
4:	5.5627e+00	5.5626e+00	5e-02	1e-02	2e-15	1e-03
5:	5.5801e+00	5.5801e+00	8e-04	3e-04	8e-16	2e-05
6:	5.5805e+00	5.5805e+00	8e-06	3e-06	8e-16	2e-07
7:	5.5805e+00	5.5805e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2649e+00	3.2643e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5043e+00	5.5040e+00	1e+00	4e-01	2e-15	4e-02
3:	5.9514e+00	5.9513e+00	4e-01	1e-01	3e-15	9e-03
4:	5.9987e+00	5.9987e+00	7e-03	2e-03	2e-15	2e-04
5:	6.0000e+00	6.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	6.0000e+00	6.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6433e+00	3.6455e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7768e+00	5.7774e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9935e+00	5.9935e+00	4e-02	1e-02	2e-15	9e-04
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	9e-06
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	9e-16	9e-08
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7073e+00	3.7081e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6638e+00	5.6641e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9854e+00	5.9855e+00	6e-02	2e-02	2e-15	2e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7817e+00	2.7795e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9583e+00	4.9573e+00	2e+00	5e-01	2e-15	4e-02
3:	5.4918e+00	5.4915e+00	4e-01	1e-01	9e-16	1e-02
4:	5.6227e+00	5.6227e+00	9e-02	3e-02	2e-15	2e-03
5:	5.6489e+00	5.6488e+00	1e-02	3e-03	6e-15	3e-04
6:	5.6528e+00	5.6528e+00	2e-04	6e-05	1e-15	5e-06

7:	5.6528e+00	5.6528e+00	2e-06	6e-07	9e-16	5e-08
8:	5.6528e+00	5.6528e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.5216e+00	2.5270e+00	7e+00	2e+00	2e-16	2e-01
2:	4.2658e+00	4.2672e+00	1e+00	4e-01	1e-15	3e-02
3:	4.7544e+00	4.7548e+00	3e-01	8e-02	8e-16	6e-03
4:	4.8353e+00	4.8354e+00	5e-02	2e-02	2e-15	1e-03
5:	4.8494e+00	4.8494e+00	8e-03	3e-03	1e-15	2e-04
6:	4.8514e+00	4.8514e+00	4e-04	1e-04	2e-14	1e-05
7:	4.8516e+00	4.8516e+00	3e-05	9e-06	4e-15	7e-07
8:	4.8516e+00	4.8516e+00	3e-07	9e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.6116e+00	2.6175e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9802e+00	4.9816e+00	1e+00	3e-01	8e-16	2e-02
3:	5.2746e+00	5.2750e+00	3e-01	9e-02	8e-16	6e-03
4:	5.3743e+00	5.3744e+00	7e-02	2e-02	1e-15	2e-03
5:	5.3982e+00	5.3982e+00	1e-02	4e-03	4e-15	3e-04
6:	5.4014e+00	5.4014e+00	2e-03	7e-04	2e-14	5e-05
7:	5.4022e+00	5.4022e+00	9e-05	3e-05	1e-15	2e-06
8:	5.4023e+00	5.4023e+00	9e-07	3e-07	9e-15	2e-08
9:	5.4023e+00	5.4023e+00	9e-09	3e-09	9e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3305e+00	3.3297e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8131e+00	5.8129e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9785e+00	5.9785e+00	7e-02	2e-02	5e-15	2e-03
4:	5.9998e+00	5.9998e+00	8e-04	2e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	8e-06	2e-06	7e-16	2e-07
6:	6.0000e+00	6.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6643e+00	2.6682e+00	7e+00	2e+00	3e-16	2e-01
2:	5.0959e+00	5.0970e+00	1e+00	4e-01	1e-15	3e-02
3:	5.5208e+00	5.5213e+00	4e-01	1e-01	3e-15	9e-03
4:	5.6803e+00	5.6805e+00	7e-02	2e-02	9e-16	2e-03
5:	5.6999e+00	5.6999e+00	7e-03	2e-03	4e-15	2e-04
6:	5.7023e+00	5.7023e+00	7e-05	2e-05	9e-16	2e-06
7:	5.7023e+00	5.7023e+00	7e-07	2e-07	1e-15	2e-08
8:	5.7023e+00	5.7023e+00	7e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	3.1572e+00	3.1559e+00	6e+00	2e+00	3e-16	2e-01
2:	5.0610e+00	5.0604e+00	1e+00	5e-01	3e-15	4e-02
3:	5.6693e+00	5.6691e+00	5e-01	2e-01	1e-15	1e-02
4:	5.8217e+00	5.8217e+00	9e-02	3e-02	1e-15	2e-03
5:	5.8462e+00	5.8462e+00	1e-02	4e-03	2e-15	3e-04
6:	5.8505e+00	5.8505e+00	1e-04	4e-05	7e-16	3e-06
7:	5.8505e+00	5.8505e+00	1e-06	4e-07	8e-16	3e-08
8:	5.8505e+00	5.8505e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.0738e+00	3.0796e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6523e+00	4.6543e+00	2e+00	6e-01	9e-16	4e-02
3:	5.2553e+00	5.2559e+00	4e-01	1e-01	9e-16	1e-02
4:	5.3959e+00	5.3960e+00	7e-02	2e-02	1e-15	2e-03
5:	5.4201e+00	5.4201e+00	6e-03	2e-03	2e-15	1e-04
6:	5.4218e+00	5.4218e+00	6e-05	2e-05	2e-15	1e-06
7:	5.4218e+00	5.4218e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7282e+00	2.7289e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7069e+00	4.7071e+00	1e+00	4e-01	1e-15	3e-02
3:	5.2111e+00	5.2111e+00	2e-01	5e-02	5e-16	4e-03
4:	5.2811e+00	5.2811e+00	3e-02	1e-02	1e-15	8e-04
5:	5.2917e+00	5.2917e+00	4e-03	1e-03	7e-15	9e-05
6:	5.2930e+00	5.2930e+00	4e-05	1e-05	1e-15	9e-07
7:	5.2930e+00	5.2930e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2906e+00	3.2900e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4189e+00	5.4187e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9020e+00	5.9019e+00	5e-01	1e-01	1e-15	1e-02
4:	5.9754e+00	5.9753e+00	7e-02	2e-02	7e-15	2e-03
5:	5.9997e+00	5.9997e+00	8e-04	2e-04	5e-16	2e-05
6:	6.0000e+00	6.0000e+00	8e-06	2e-06	8e-16	2e-07
7:	6.0000e+00	6.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1202e+00	3.1214e+00	7e+00	2e+00	3e-16	2e-01
2:	5.1383e+00	5.1387e+00	2e+00	5e-01	2e-15	4e-02
3:	5.5751e+00	5.5753e+00	5e-01	2e-01	9e-16	1e-02
4:	5.7316e+00	5.7317e+00	8e-02	3e-02	8e-16	2e-03
5:	5.7567e+00	5.7567e+00	2e-02	7e-03	1e-15	5e-04
6:	5.7646e+00	5.7646e+00	4e-03	1e-03	1e-15	1e-04
7:	5.7659e+00	5.7659e+00	5e-04	2e-04	1e-14	1e-05

8:	5.7661e+00	5.7661e+00	5e-06	2e-06	1e-15	1e-07
9:	5.7661e+00	5.7661e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5528e+00	3.5547e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7385e+00	5.7390e+00	1e+00	4e-01	7e-16	3e-02
3:	5.8907e+00	5.8912e+00	4e-01	1e-01	4e-15	9e-03
4:	5.9987e+00	5.9987e+00	5e-03	2e-03	4e-16	1e-04
5:	6.0000e+00	6.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	6.0000e+00	6.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6591e+00	1.6558e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9304e+00	3.9289e+00	9e-01	3e-01	1e-15	3e-02
3:	4.1067e+00	4.1061e+00	3e-01	1e-01	2e-15	9e-03
4:	4.2358e+00	4.2356e+00	5e-02	2e-02	8e-16	1e-03
5:	4.2531e+00	4.2531e+00	3e-03	9e-04	3e-15	8e-05
6:	4.2540e+00	4.2540e+00	3e-05	9e-06	3e-15	8e-07
7:	4.2540e+00	4.2540e+00	3e-07	9e-08	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9611e+00	2.9582e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8534e+00	4.8524e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2347e+00	5.2341e+00	5e-01	2e-01	1e-15	1e-02
4:	5.3935e+00	5.3934e+00	7e-02	2e-02	1e-15	2e-03
5:	5.4187e+00	5.4187e+00	2e-02	5e-03	1e-15	4e-04
6:	5.4237e+00	5.4237e+00	1e-03	3e-04	3e-15	3e-05
7:	5.4241e+00	5.4241e+00	1e-05	3e-06	9e-16	3e-07
8:	5.4241e+00	5.4241e+00	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1507e+00	4.1515e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8624e+00	5.8625e+00	8e-01	3e-01	2e-15	2e-02
3:	5.9973e+00	5.9973e+00	1e-02	4e-03	1e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8463e+00	2.8463e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4293e+00	5.4293e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9247e+00	5.9247e+00	3e-01	1e-01	2e-15	9e-03
4:	5.9913e+00	5.9913e+00	4e-02	1e-02	8e-15	1e-03
5:	5.9999e+00	5.9999e+00	5e-04	1e-04	9e-15	1e-05

6:	6.0000e+00	6.0000e+00	5e-06	1e-06	9e-15	1e-07
7:	6.0000e+00	6.0000e+00	5e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5100e+00	3.5090e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6936e+00	5.6931e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9835e+00	5.9834e+00	7e-02	2e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	7e-04	2e-04	7e-16	2e-05
5:	6.0000e+00	6.0000e+00	7e-06	2e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9668e+00	2.9650e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1160e+00	5.1154e+00	1e+00	4e-01	2e-15	3e-02
3:	5.6552e+00	5.6550e+00	3e-01	9e-02	2e-15	7e-03
4:	5.7825e+00	5.7825e+00	4e-02	1e-02	1e-15	1e-03
5:	5.8007e+00	5.8007e+00	1e-03	5e-04	4e-15	4e-05
6:	5.8013e+00	5.8013e+00	1e-05	5e-06	1e-15	4e-07
7:	5.8013e+00	5.8013e+00	1e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1184e+00	2.1157e+00	6e+00	2e+00	3e-16	2e-01
2:	4.2455e+00	4.2443e+00	1e+00	4e-01	3e-15	3e-02
3:	4.6714e+00	4.6710e+00	3e-01	1e-01	1e-15	8e-03
4:	4.7349e+00	4.7348e+00	6e-02	2e-02	2e-15	2e-03
5:	4.7535e+00	4.7535e+00	2e-02	6e-03	2e-15	5e-04
6:	4.7574e+00	4.7573e+00	4e-03	1e-03	2e-14	1e-04
7:	4.7585e+00	4.7585e+00	3e-04	1e-04	3e-14	8e-06
8:	4.7586e+00	4.7586e+00	3e-06	1e-06	2e-15	9e-08
9:	4.7586e+00	4.7586e+00	3e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1500e+00	3.1504e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6725e+00	5.6726e+00	1e+00	4e-01	9e-16	3e-02
3:	5.9591e+00	5.9592e+00	3e-01	8e-02	2e-15	6e-03
4:	5.9986e+00	5.9986e+00	6e-03	2e-03	3e-15	1e-04
5:	6.0000e+00	6.0000e+00	6e-05	2e-05	2e-15	1e-06
6:	6.0000e+00	6.0000e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8295e+00	2.8296e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3072e+00	5.3073e+00	2e+00	5e-01	8e-16	4e-02
3:	5.7139e+00	5.7139e+00	4e-01	1e-01	2e-15	1e-02

4:	5.8505e+00	5.8505e+00	1e-01	4e-02	1e-15	3e-03
5:	5.8818e+00	5.8818e+00	1e-02	4e-03	1e-15	3e-04
6:	5.8862e+00	5.8862e+00	1e-04	4e-05	9e-16	3e-06
7:	5.8862e+00	5.8862e+00	1e-06	4e-07	7e-16	3e-08
8:	5.8862e+00	5.8862e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2367e+00	3.2364e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7445e+00	5.7444e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9842e+00	5.9842e+00	6e-02	2e-02	3e-15	1e-03
4:	5.9998e+00	5.9998e+00	6e-04	2e-04	8e-16	1e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3088e+00	3.3074e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6793e+00	5.6788e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9706e+00	5.9705e+00	1e-01	3e-02	4e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	3e-04	7e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	7e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8627e+00	2.8599e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8419e+00	4.8402e+00	2e+00	6e-01	1e-15	5e-02
3:	5.4467e+00	5.4462e+00	4e-01	1e-01	1e-15	1e-02
4:	5.6225e+00	5.6223e+00	8e-02	3e-02	1e-15	2e-03
5:	5.6530e+00	5.6530e+00	9e-03	3e-03	3e-15	2e-04
6:	5.6560e+00	5.6560e+00	2e-04	7e-05	1e-14	6e-06
7:	5.6561e+00	5.6561e+00	2e-06	7e-07	5e-15	6e-08
8:	5.6561e+00	5.6561e+00	2e-08	7e-09	5e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1902e+00	2.1885e+00	6e+00	2e+00	2e-16	1e-01
2:	4.3166e+00	4.3160e+00	9e-01	3e-01	1e-15	2e-02
3:	4.5638e+00	4.5637e+00	1e-01	4e-02	7e-16	3e-03
4:	4.6119e+00	4.6119e+00	2e-02	5e-03	8e-16	4e-04
5:	4.6193e+00	4.6193e+00	2e-03	6e-04	9e-16	5e-05
6:	4.6200e+00	4.6200e+00	2e-05	7e-06	3e-15	6e-07
7:	4.6200e+00	4.6200e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8883e+00	3.8866e+00	6e+00	2e+00	3e-16	2e-01

2:	6.5212e+00	6.5208e+00	1e+00	3e-01	1e-15	2e-02
3:	6.8567e+00	6.8566e+00	2e-01	6e-02	1e-15	5e-03
4:	6.9390e+00	6.9390e+00	6e-02	2e-02	2e-15	2e-03
5:	6.9599e+00	6.9599e+00	9e-03	3e-03	1e-14	2e-04
6:	6.9633e+00	6.9633e+00	9e-05	3e-05	1e-15	2e-06
7:	6.9633e+00	6.9633e+00	9e-07	3e-07	1e-15	2e-08
8:	6.9633e+00	6.9633e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3779e+00	4.3815e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5969e+00	6.5981e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9819e+00	6.9820e+00	8e-02	3e-02	1e-15	2e-03
4:	6.9998e+00	6.9998e+00	8e-04	3e-04	7e-16	2e-05
5:	7.0000e+00	7.0000e+00	8e-06	3e-06	8e-16	2e-07
6:	7.0000e+00	7.0000e+00	8e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5513e+00	4.5548e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7052e+00	6.7062e+00	1e+00	4e-01	8e-16	3e-02
3:	6.9895e+00	6.9895e+00	4e-02	1e-02	1e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3953e+00	4.3948e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7739e+00	6.7738e+00	1e+00	3e-01	1e-15	3e-02
3:	6.9834e+00	6.9834e+00	5e-02	2e-02	3e-15	1e-03
4:	6.9998e+00	6.9998e+00	6e-04	2e-04	4e-16	1e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	4e-16	1e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4496e+00	4.4504e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5933e+00	6.5936e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9719e+00	6.9720e+00	1e-01	3e-02	2e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	5e-16	2e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1171e+00	4.1189e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6401e+00	6.6406e+00	1e+00	4e-01	2e-15	3e-02

3:	6.9617e+00	6.9619e+00	2e-01	5e-02	3e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	6e-04	9e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	6e-06	9e-16	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8304e+00	3.8290e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3468e+00	6.3462e+00	1e+00	4e-01	1e-15	4e-02
3:	6.9053e+00	6.9050e+00	4e-01	1e-01	8e-16	1e-02
4:	6.9603e+00	6.9601e+00	1e-01	4e-02	5e-15	3e-03
5:	6.9995e+00	6.9995e+00	2e-03	6e-04	8e-16	5e-05
6:	7.0000e+00	7.0000e+00	2e-05	6e-06	4e-15	5e-07
7:	7.0000e+00	7.0000e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3366e+00	4.3364e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5889e+00	6.5888e+00	2e+00	5e-01	3e-15	4e-02
3:	6.9767e+00	6.9767e+00	9e-02	3e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	9e-04	3e-04	5e-16	2e-05
5:	7.0000e+00	7.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	7.0000e+00	7.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3911e+00	4.3898e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7164e+00	6.7160e+00	1e+00	3e-01	3e-15	3e-02
3:	6.9298e+00	6.9296e+00	2e-01	7e-02	4e-15	6e-03
4:	6.9993e+00	6.9992e+00	2e-03	8e-04	4e-16	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	8e-06	6e-16	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	8e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0171e+00	5.0192e+00	6e+00	2e+00	2e-16	1e-01
2:	6.8334e+00	6.8337e+00	7e-01	2e-01	2e-15	2e-02
3:	6.9981e+00	6.9981e+00	8e-03	2e-03	2e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	2e-05	2e-15	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2061e+00	4.2101e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7336e+00	6.7348e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9528e+00	6.9530e+00	2e-01	5e-02	3e-15	4e-03
4:	6.9995e+00	6.9995e+00	2e-03	5e-04	4e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	6e-16	4e-07

6:	7.0000e+00	7.0000e+00	2e-07	5e-08	3e-16	4e-09
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5545e+00	3.5561e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2531e+00	6.2536e+00	2e+00	5e-01	1e-15	4e-02
3:	6.8315e+00	6.8317e+00	4e-01	1e-01	1e-15	9e-03
4:	6.9721e+00	6.9721e+00	1e-01	4e-02	2e-15	3e-03
5:	6.9797e+00	6.9798e+00	5e-02	2e-02	1e-14	1e-03
6:	6.9998e+00	6.9998e+00	8e-04	3e-04	2e-15	2e-05
7:	7.0000e+00	7.0000e+00	8e-06	3e-06	5e-15	2e-07
8:	7.0000e+00	7.0000e+00	8e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4902e+00	3.4924e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9211e+00	5.9217e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4522e+00	6.4523e+00	2e-01	7e-02	1e-15	5e-03
4:	6.5454e+00	6.5454e+00	5e-02	2e-02	1e-15	1e-03
5:	6.5600e+00	6.5600e+00	1e-02	4e-03	1e-14	3e-04
6:	6.5648e+00	6.5648e+00	1e-04	4e-05	2e-15	3e-06
7:	6.5649e+00	6.5649e+00	1e-06	4e-07	2e-15	3e-08
8:	6.5649e+00	6.5649e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4340e+00	3.4344e+00	7e+00	2e+00	2e-16	2e-01
2:	5.0818e+00	5.0820e+00	2e+00	6e-01	2e-15	4e-02
3:	5.7651e+00	5.7652e+00	5e-01	1e-01	8e-16	1e-02
4:	5.8769e+00	5.8769e+00	2e-01	6e-02	1e-15	4e-03
5:	5.9369e+00	5.9369e+00	2e-02	7e-03	5e-16	6e-04
6:	5.9459e+00	5.9459e+00	4e-04	1e-04	9e-16	9e-06
7:	5.9460e+00	5.9460e+00	4e-06	1e-06	7e-16	9e-08
8:	5.9460e+00	5.9460e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9091e+00	3.9076e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3847e+00	6.3840e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9357e+00	6.9355e+00	3e-01	1e-01	2e-15	9e-03
4:	6.9966e+00	6.9965e+00	1e-02	4e-03	8e-15	3e-04
5:	7.0000e+00	7.0000e+00	1e-04	4e-05	2e-15	3e-06
6:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	7.0000e+00	7.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.5656e+00	3.5625e+00	6e+00	2e+00	3e-16	2e-01

2:	6.0743e+00	6.0732e+00	8e-01	3e-01	2e-15	2e-02
3:	6.4194e+00	6.4190e+00	1e-01	5e-02	8e-16	4e-03
4:	6.4659e+00	6.4659e+00	7e-03	2e-03	7e-16	2e-04
5:	6.4678e+00	6.4678e+00	7e-05	2e-05	9e-16	2e-06
6:	6.4678e+00	6.4678e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2972e+00	4.2998e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6781e+00	6.6787e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9824e+00	6.9825e+00	7e-02	2e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0220e+00	4.0220e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5924e+00	6.5924e+00	1e+00	5e-01	1e-15	4e-02
3:	6.9379e+00	6.9379e+00	2e-01	8e-02	4e-15	6e-03
4:	6.9993e+00	6.9993e+00	3e-03	1e-03	7e-16	8e-05
5:	7.0000e+00	7.0000e+00	3e-05	1e-05	6e-16	8e-07
6:	7.0000e+00	7.0000e+00	3e-07	1e-07	8e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2954e+00	3.2978e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9013e+00	4.9023e+00	2e+00	7e-01	1e-15	5e-02
3:	5.4124e+00	5.4130e+00	1e+00	3e-01	1e-15	2e-02
4:	5.6382e+00	5.6386e+00	3e-01	1e-01	4e-15	8e-03
5:	5.7647e+00	5.7647e+00	3e-02	8e-03	6e-16	6e-04
6:	5.7740e+00	5.7740e+00	1e-03	4e-04	1e-15	4e-05
7:	5.7744e+00	5.7744e+00	2e-04	7e-05	1e-13	6e-06
8:	5.7745e+00	5.7745e+00	2e-06	7e-07	7e-15	6e-08
9:	5.7745e+00	5.7745e+00	2e-08	7e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0730e+00	4.0763e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7370e+00	6.7379e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9266e+00	6.9270e+00	2e-01	7e-02	3e-15	5e-03
4:	6.9992e+00	6.9992e+00	2e-03	8e-04	5e-16	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	8e-06	5e-16	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9389e+00	2.9357e+00	6e+00	2e+00	2e-16	2e-01



2:	5.6442e+00	5.6429e+00	9e-01	3e-01	2e-15	3e-02
3:	5.9694e+00	5.9689e+00	2e-01	6e-02	1e-15	5e-03
4:	6.0233e+00	6.0232e+00	3e-02	1e-02	3e-15	9e-04
5:	6.0317e+00	6.0317e+00	2e-03	7e-04	8e-15	6e-05
6:	6.0324e+00	6.0324e+00	3e-04	9e-05	2e-15	7e-06
7:	6.0325e+00	6.0325e+00	3e-06	9e-07	5e-15	7e-08
8:	6.0325e+00	6.0325e+00	3e-08	9e-09	6e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0920e+00	3.0933e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5280e+00	5.5284e+00	1e+00	3e-01	1e-15	3e-02
3:	5.8922e+00	5.8923e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9811e+00	5.9812e+00	1e-01	3e-02	3e-15	2e-03
5:	6.0171e+00	6.0171e+00	3e-02	1e-02	1e-15	8e-04
6:	6.0271e+00	6.0271e+00	3e-03	1e-03	2e-15	7e-05
7:	6.0280e+00	6.0280e+00	4e-05	1e-05	1e-14	9e-07
8:	6.0280e+00	6.0280e+00	4e-07	1e-07	1e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6483e+00	4.6499e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7359e+00	6.7363e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9964e+00	6.9964e+00	2e-02	5e-03	1e-15	4e-04
4:	7.0000e+00	7.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	7.0000e+00	7.0000e+00	2e-06	5e-07	8e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6033e+00	3.6048e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7749e+00	5.7754e+00	2e+00	5e-01	2e-15	4e-02
3:	6.3780e+00	6.3781e+00	2e-01	7e-02	2e-15	6e-03
4:	6.4589e+00	6.4590e+00	5e-02	1e-02	2e-15	1e-03
5:	6.4779e+00	6.4779e+00	6e-03	2e-03	2e-15	2e-04
6:	6.4805e+00	6.4805e+00	7e-05	2e-05	3e-15	2e-06
7:	6.4805e+00	6.4805e+00	7e-07	2e-07	3e-15	2e-08
8:	6.4805e+00	6.4805e+00	7e-09	2e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5299e+00	2.5273e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9983e+00	4.9973e+00	9e-01	3e-01	2e-15	2e-02
3:	5.2641e+00	5.2640e+00	1e-01	4e-02	8e-16	3e-03
4:	5.3097e+00	5.3097e+00	3e-02	9e-03	1e-15	7e-04
5:	5.3185e+00	5.3185e+00	2e-03	8e-04	1e-14	6e-05
6:	5.3194e+00	5.3194e+00	3e-05	8e-06	1e-15	6e-07
7:	5.3194e+00	5.3194e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4806e+00	3.4793e+00	6e+00	2e+00	2e-16	2e-01
2:	6.2111e+00	6.2107e+00	1e+00	5e-01	1e-15	4e-02
3:	6.7554e+00	6.7552e+00	3e-01	1e-01	8e-16	8e-03
4:	6.8313e+00	6.8313e+00	3e-02	1e-02	2e-15	9e-04
5:	6.8453e+00	6.8453e+00	9e-04	3e-04	2e-15	2e-05
6:	6.8456e+00	6.8456e+00	9e-06	3e-06	2e-15	2e-07
7:	6.8456e+00	6.8456e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7472e+00	3.7528e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1149e+00	6.1166e+00	1e+00	5e-01	1e-15	3e-02
3:	6.7536e+00	6.7540e+00	4e-01	1e-01	1e-15	8e-03
4:	6.8519e+00	6.8520e+00	9e-02	3e-02	6e-15	2e-03
5:	6.8762e+00	6.8762e+00	2e-02	6e-03	3e-15	5e-04
6:	6.8834e+00	6.8834e+00	2e-03	6e-04	1e-15	5e-05
7:	6.8840e+00	6.8840e+00	8e-05	3e-05	2e-14	2e-06
8:	6.8841e+00	6.8841e+00	8e-07	3e-07	7e-15	2e-08
9:	6.8841e+00	6.8841e+00	8e-09	3e-09	8e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2350e+00	3.2362e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5865e+00	5.5869e+00	2e+00	5e-01	1e-15	4e-02
3:	6.2913e+00	6.2914e+00	3e-01	1e-01	1e-15	8e-03
4:	6.4127e+00	6.4127e+00	4e-02	1e-02	6e-15	1e-03
5:	6.4296e+00	6.4297e+00	5e-03	2e-03	3e-15	1e-04
6:	6.4312e+00	6.4312e+00	5e-05	2e-05	6e-15	1e-06
7:	6.4312e+00	6.4312e+00	5e-07	2e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2448e+00	4.2486e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6828e+00	6.6840e+00	1e+00	5e-01	1e-15	4e-02
3:	6.9718e+00	6.9720e+00	1e-01	3e-02	2e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	7e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	7e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0232e+00	3.0239e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5827e+00	5.5830e+00	2e+00	6e-01	7e-16	4e-02
3:	6.1379e+00	6.1380e+00	4e-01	1e-01	9e-16	1e-02
4:	6.2468e+00	6.2468e+00	1e-01	3e-02	1e-15	3e-03
5:	6.2918e+00	6.2918e+00	4e-03	1e-03	1e-15	1e-04

6:	6.2937e+00	6.2937e+00	4e-05	1e-05	7e-16	1e-06
7:	6.2937e+00	6.2937e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5858e+00	2.5828e+00	5e+00	2e+00	2e-16	2e-01
2:	4.3713e+00	4.3696e+00	1e+00	5e-01	3e-15	4e-02
3:	4.7782e+00	4.7777e+00	3e-01	1e-01	2e-15	9e-03
4:	4.9134e+00	4.9133e+00	5e-02	2e-02	8e-16	1e-03
5:	4.9300e+00	4.9300e+00	5e-03	1e-03	2e-15	1e-04
6:	4.9321e+00	4.9321e+00	7e-05	2e-05	1e-15	2e-06
7:	4.9322e+00	4.9322e+00	7e-07	2e-07	9e-16	2e-08
8:	4.9322e+00	4.9322e+00	7e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5690e+00	3.5668e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5915e+00	6.5907e+00	1e+00	3e-01	2e-15	3e-02
3:	6.9567e+00	6.9565e+00	3e-01	9e-02	3e-15	7e-03
4:	6.9941e+00	6.9941e+00	2e-02	6e-03	2e-14	5e-04
5:	6.9999e+00	6.9999e+00	2e-04	6e-05	1e-15	5e-06
6:	7.0000e+00	7.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	7.0000e+00	7.0000e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6370e+00	4.6374e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7626e+00	6.7628e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9915e+00	6.9915e+00	3e-02	1e-02	2e-15	8e-04
4:	6.9999e+00	6.9999e+00	3e-04	1e-04	5e-16	8e-06
5:	7.0000e+00	7.0000e+00	3e-06	1e-06	5e-16	8e-08
6:	7.0000e+00	7.0000e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4796e+00	3.4773e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9082e+00	5.9072e+00	1e+00	4e-01	3e-15	3e-02
3:	6.2749e+00	6.2745e+00	3e-01	9e-02	3e-15	8e-03
4:	6.4023e+00	6.4022e+00	7e-02	2e-02	1e-15	2e-03
5:	6.4153e+00	6.4152e+00	3e-02	1e-02	5e-15	9e-04
6:	6.4283e+00	6.4283e+00	8e-04	3e-04	2e-15	2e-05
7:	6.4286e+00	6.4286e+00	8e-06	3e-06	2e-15	2e-07
8:	6.4286e+00	6.4286e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5175e+00	3.5156e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1653e+00	6.1645e+00	1e+00	4e-01	3e-15	3e-02

3:	6.5590e+00	6.5588e+00	3e-01	1e-01	2e-15	8e-03
4:	6.6273e+00	6.6272e+00	7e-02	2e-02	3e-15	2e-03
5:	6.6565e+00	6.6565e+00	7e-03	2e-03	9e-16	2e-04
6:	6.6578e+00	6.6578e+00	3e-03	1e-03	2e-14	8e-05
7:	6.6589e+00	6.6589e+00	3e-05	1e-05	1e-15	8e-07
8:	6.6589e+00	6.6589e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5039e+00	2.5041e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4822e+00	4.4823e+00	2e+00	6e-01	1e-15	5e-02
3:	5.0568e+00	5.0568e+00	4e-01	1e-01	8e-16	1e-02
4:	5.2183e+00	5.2183e+00	8e-02	2e-02	5e-16	2e-03
5:	5.2381e+00	5.2381e+00	1e-02	4e-03	8e-15	3e-04
6:	5.2424e+00	5.2424e+00	6e-04	2e-04	2e-15	2e-05
7:	5.2426e+00	5.2426e+00	7e-06	2e-06	6e-15	2e-07
8:	5.2426e+00	5.2426e+00	7e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5644e+00	2.5684e+00	7e+00	2e+00	2e-16	2e-01
2:	5.1537e+00	5.1552e+00	2e+00	5e-01	1e-15	4e-02
3:	5.5542e+00	5.5546e+00	3e-01	9e-02	1e-15	7e-03
4:	5.6523e+00	5.6523e+00	1e-02	5e-03	8e-16	4e-04
5:	5.6569e+00	5.6569e+00	3e-03	1e-03	6e-16	8e-05
6:	5.6579e+00	5.6579e+00	3e-05	1e-05	7e-16	8e-07
7:	5.6579e+00	5.6579e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2321e+00	3.2309e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3414e+00	6.3409e+00	2e+00	5e-01	1e-15	4e-02
3:	6.7804e+00	6.7801e+00	5e-01	2e-01	1e-15	1e-02
4:	6.9484e+00	6.9483e+00	7e-02	2e-02	9e-16	2e-03
5:	6.9711e+00	6.9711e+00	8e-03	3e-03	4e-15	2e-04
6:	6.9728e+00	6.9728e+00	2e-03	7e-04	6e-14	6e-05
7:	6.9736e+00	6.9736e+00	2e-04	5e-05	8e-15	4e-06
8:	6.9736e+00	6.9736e+00	2e-06	5e-07	3e-14	4e-08
9:	6.9736e+00	6.9736e+00	2e-08	5e-09	3e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0214e+00	3.0206e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9840e+00	5.9836e+00	1e+00	4e-01	1e-15	4e-02
3:	6.3766e+00	6.3765e+00	3e-01	1e-01	1e-15	9e-03
4:	6.4603e+00	6.4603e+00	4e-02	1e-02	2e-15	1e-03
5:	6.4768e+00	6.4768e+00	1e-02	3e-03	1e-15	3e-04
6:	6.4797e+00	6.4797e+00	1e-03	4e-04	7e-15	3e-05

7:	6.4802e+00	6.4802e+00	1e-05	5e-06	5e-16	4e-07
8:	6.4802e+00	6.4802e+00	1e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0012e+00	4.0008e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5075e+00	6.5074e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9184e+00	6.9183e+00	4e-01	1e-01	1e-15	1e-02
4:	6.9830e+00	6.9829e+00	5e-02	2e-02	8e-15	1e-03
5:	6.9998e+00	6.9998e+00	6e-04	2e-04	7e-16	1e-05
6:	7.0000e+00	7.0000e+00	6e-06	2e-06	1e-15	1e-07
7:	7.0000e+00	7.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4292e+00	4.4318e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7460e+00	6.7467e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9682e+00	6.9684e+00	1e-01	3e-02	4e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7854e+00	3.7895e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3924e+00	6.3939e+00	2e+00	5e-01	9e-16	4e-02
3:	6.8665e+00	6.8668e+00	3e-01	1e-01	7e-16	7e-03
4:	6.9711e+00	6.9711e+00	8e-02	2e-02	7e-16	2e-03
5:	6.9962e+00	6.9963e+00	2e-02	6e-03	2e-14	5e-04
6:	6.9989e+00	6.9989e+00	3e-03	1e-03	1e-13	8e-05
7:	7.0000e+00	7.0000e+00	3e-05	1e-05	2e-14	8e-07
8:	7.0000e+00	7.0000e+00	3e-07	1e-07	2e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1929e+00	3.1901e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4075e+00	5.4064e+00	1e+00	4e-01	3e-15	4e-02
3:	5.7837e+00	5.7834e+00	3e-01	1e-01	2e-15	9e-03
4:	5.9078e+00	5.9077e+00	6e-02	2e-02	1e-15	2e-03
5:	5.9312e+00	5.9312e+00	6e-03	2e-03	1e-15	2e-04
6:	5.9339e+00	5.9339e+00	7e-05	2e-05	2e-15	2e-06
7:	5.9340e+00	5.9340e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3136e+00	4.3164e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7309e+00	6.7316e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9950e+00	6.9950e+00	2e-02	7e-03	3e-15	5e-04

4:	7.0000e+00	7.0000e+00	2e-04	7e-05	1e-15	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	9e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0278e+00	4.0328e+00	6e+00	2e+00	2e-16	1e-01
2:	6.3127e+00	6.3142e+00	1e+00	4e-01	1e-15	3e-02
3:	6.6796e+00	6.6799e+00	3e-01	8e-02	7e-16	6e-03
4:	6.7433e+00	6.7433e+00	4e-02	1e-02	2e-15	9e-04
5:	6.7584e+00	6.7584e+00	9e-04	3e-04	2e-15	2e-05
6:	6.7587e+00	6.7587e+00	9e-06	3e-06	8e-16	2e-07
7:	6.7587e+00	6.7587e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2081e+00	3.2095e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4102e+00	5.4107e+00	2e+00	5e-01	1e-15	4e-02
3:	5.8708e+00	5.8710e+00	4e-01	1e-01	1e-15	9e-03
4:	6.0115e+00	6.0116e+00	6e-02	2e-02	1e-15	2e-03
5:	6.0271e+00	6.0271e+00	2e-02	7e-03	3e-15	5e-04
6:	6.0363e+00	6.0363e+00	2e-03	7e-04	1e-15	5e-05
7:	6.0371e+00	6.0371e+00	2e-05	7e-06	2e-15	6e-07
8:	6.0371e+00	6.0371e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7056e+00	2.7053e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2247e+00	5.2246e+00	1e+00	3e-01	2e-15	3e-02
3:	5.6129e+00	5.6129e+00	2e-01	7e-02	1e-15	6e-03
4:	5.7009e+00	5.7009e+00	2e-02	7e-03	1e-15	6e-04
5:	5.7090e+00	5.7090e+00	3e-04	9e-05	4e-15	7e-06
6:	5.7091e+00	5.7091e+00	3e-06	9e-07	3e-15	7e-08
7:	5.7091e+00	5.7091e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8859e+00	2.8835e+00	6e+00	2e+00	2e-16	2e-01
2:	5.0855e+00	5.0845e+00	1e+00	4e-01	2e-15	3e-02
3:	5.5019e+00	5.5016e+00	3e-01	1e-01	7e-16	8e-03
4:	5.6225e+00	5.6224e+00	9e-02	3e-02	1e-15	3e-03
5:	5.6472e+00	5.6471e+00	2e-02	7e-03	4e-15	5e-04
6:	5.6555e+00	5.6555e+00	3e-04	1e-04	1e-15	9e-06
7:	5.6557e+00	5.6557e+00	3e-06	1e-06	3e-15	9e-08
8:	5.6557e+00	5.6557e+00	3e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.6825e+00	3.6838e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0712e+00	6.0716e+00	2e+00	5e-01	1e-15	4e-02
3:	6.6174e+00	6.6175e+00	4e-01	1e-01	2e-15	9e-03
4:	6.7399e+00	6.7399e+00	7e-02	2e-02	2e-15	2e-03
5:	6.7686e+00	6.7686e+00	2e-02	5e-03	1e-15	4e-04
6:	6.7754e+00	6.7754e+00	2e-03	5e-04	3e-15	4e-05
7:	6.7760e+00	6.7760e+00	2e-05	6e-06	7e-16	4e-07
8:	6.7761e+00	6.7761e+00	2e-07	6e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1203e+00	5.1247e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5083e+00	7.5097e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9052e+00	7.9055e+00	3e-01	8e-02	1e-15	6e-03
4:	7.9833e+00	7.9834e+00	8e-02	2e-02	7e-15	2e-03
5:	7.9991e+00	7.9991e+00	3e-03	1e-03	1e-14	8e-05
6:	8.0000e+00	8.0000e+00	3e-05	1e-05	2e-15	8e-07
7:	8.0000e+00	8.0000e+00	3e-07	1e-07	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6935e+00	3.6932e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1923e+00	6.1921e+00	2e+00	5e-01	2e-15	4e-02
3:	6.5221e+00	6.5221e+00	6e-01	2e-01	5e-15	1e-02
4:	6.7462e+00	6.7461e+00	2e-01	6e-02	2e-15	5e-03
5:	6.8076e+00	6.8076e+00	3e-02	1e-02	2e-15	8e-04
6:	6.8178e+00	6.8178e+00	3e-03	9e-04	5e-15	7e-05
7:	6.8190e+00	6.8190e+00	3e-05	1e-05	6e-16	8e-07
8:	6.8190e+00	6.8190e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9428e+00	2.9422e+00	6e+00	2e+00	4e-16	2e-01
2:	5.1763e+00	5.1761e+00	1e+00	4e-01	3e-15	3e-02
3:	5.7869e+00	5.7869e+00	3e-01	1e-01	1e-15	8e-03
4:	5.8959e+00	5.8959e+00	4e-02	1e-02	1e-15	1e-03
5:	5.9092e+00	5.9092e+00	1e-03	4e-04	6e-15	3e-05
6:	5.9096e+00	5.9096e+00	1e-05	4e-06	2e-15	3e-07
7:	5.9096e+00	5.9096e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6467e+00	3.6477e+00	7e+00	2e+00	3e-16	2e-01
2:	5.3073e+00	5.3077e+00	2e+00	6e-01	2e-15	4e-02
3:	5.8301e+00	5.8303e+00	6e-01	2e-01	1e-15	2e-02
4:	6.0077e+00	6.0077e+00	1e-01	4e-02	9e-16	3e-03
5:	6.0595e+00	6.0595e+00	2e-02	7e-03	9e-16	6e-04
6:	6.0667e+00	6.0667e+00	4e-03	1e-03	7e-16	9e-05

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7:  6.0679e+00  6.0679e+00  7e-05  2e-05  5e-15  2e-06
8:  6.0679e+00  6.0679e+00  7e-07  2e-07  2e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.0491e+00  5.0519e+00  7e+00  2e+00  2e-16  2e-01
2:  7.5698e+00  7.5707e+00  2e+00  5e-01  1e-15  4e-02
3:  7.9888e+00  7.9889e+00  4e-02  1e-02  2e-15  1e-03
4:  7.9999e+00  7.9999e+00  4e-04  1e-04  6e-16  1e-05
5:  8.0000e+00  8.0000e+00  4e-06  1e-06  6e-16  1e-07
6:  8.0000e+00  8.0000e+00  4e-08  1e-08  8e-16  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  4.2465e+00  4.2544e+00  7e+00  2e+00  2e-16  2e-01
2:  7.4515e+00  7.4538e+00  1e+00  4e-01  7e-16  3e-02
3:  7.9325e+00  7.9331e+00  3e-01  1e-01  1e-15  7e-03
4:  7.9897e+00  7.9898e+00  3e-02  1e-02  9e-15  7e-04
5:  7.9999e+00  7.9999e+00  3e-04  1e-04  1e-15  8e-06
6:  8.0000e+00  8.0000e+00  3e-06  1e-06  1e-15  8e-08
7:  8.0000e+00  8.0000e+00  3e-08  1e-08  1e-15  8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.3912e+00  5.3936e+00  6e+00  2e+00  2e-16  1e-01
2:  7.6697e+00  7.6704e+00  1e+00  4e-01  1e-15  3e-02
3:  7.9846e+00  7.9847e+00  5e-02  2e-02  2e-15  1e-03
4:  7.9998e+00  7.9998e+00  5e-04  2e-04  6e-16  1e-05
5:  8.0000e+00  8.0000e+00  5e-06  2e-06  7e-16  1e-07
6:  8.0000e+00  8.0000e+00  5e-08  2e-08  9e-16  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.4524e+00  5.4544e+00  6e+00  2e+00  3e-16  2e-01
2:  7.6291e+00  7.6295e+00  1e+00  4e-01  3e-15  3e-02
3:  7.9712e+00  7.9713e+00  8e-02  2e-02  3e-15  2e-03
4:  7.9997e+00  7.9997e+00  8e-04  2e-04  7e-16  2e-05
5:  8.0000e+00  8.0000e+00  8e-06  2e-06  7e-16  2e-07
6:  8.0000e+00  8.0000e+00  8e-08  2e-08  5e-16  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.6687e+00  3.6678e+00  6e+00  2e+00  2e-16  2e-01
2:  6.5685e+00  6.5681e+00  1e+00  5e-01  2e-15  4e-02
3:  7.0670e+00  7.0669e+00  4e-01  1e-01  2e-15  9e-03
4:  7.2069e+00  7.2068e+00  5e-02  2e-02  5e-15  1e-03
5:  7.2263e+00  7.2263e+00  6e-03  2e-03  4e-15  2e-04
6:  7.2287e+00  7.2287e+00  6e-04  2e-04  2e-15  1e-05

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7:	7.2288e+00	7.2288e+00	1e-04	4e-05	2e-13	3e-06
8:	7.2289e+00	7.2289e+00	1e-06	4e-07	1e-14	3e-08
9:	7.2289e+00	7.2289e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7912e+00	4.7907e+00	6e+00	2e+00	2e-16	2e-01
2:	7.5775e+00	7.5774e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9333e+00	7.9333e+00	3e-01	1e-01	3e-15	8e-03
4:	7.9940e+00	7.9940e+00	2e-02	6e-03	8e-15	5e-04
5:	7.9999e+00	7.9999e+00	2e-04	6e-05	8e-16	5e-06
6:	8.0000e+00	8.0000e+00	2e-06	6e-07	6e-16	5e-08
7:	8.0000e+00	8.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4728e+00	4.4724e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5414e+00	7.5413e+00	1e+00	4e-01	4e-15	3e-02
3:	7.9053e+00	7.9053e+00	5e-01	1e-01	2e-15	1e-02
4:	7.9827e+00	7.9826e+00	5e-02	2e-02	6e-15	1e-03
5:	7.9998e+00	7.9998e+00	5e-04	2e-04	8e-16	1e-05
6:	8.0000e+00	8.0000e+00	5e-06	2e-06	7e-16	1e-07
7:	8.0000e+00	8.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4697e+00	5.4720e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7726e+00	7.7730e+00	9e-01	3e-01	2e-15	2e-02
3:	7.9853e+00	7.9853e+00	4e-02	1e-02	2e-15	1e-03
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	2.7615e+00	2.7718e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2201e+00	5.2238e+00	2e+00	6e-01	1e-15	4e-02
3:	5.5551e+00	5.5564e+00	5e-01	2e-01	9e-16	1e-02
4:	5.7312e+00	5.7315e+00	8e-02	2e-02	7e-16	2e-03
5:	5.7527e+00	5.7527e+00	2e-02	5e-03	3e-15	4e-04
6:	5.7579e+00	5.7579e+00	3e-04	1e-04	1e-15	7e-06
7:	5.7580e+00	5.7580e+00	3e-06	1e-06	8e-16	7e-08
8:	5.7580e+00	5.7580e+00	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2127e+00	3.2150e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7512e+00	5.7520e+00	2e+00	5e-01	1e-15	4e-02

3:	6.2000e+00	6.2002e+00	4e-01	1e-01	1e-15	9e-03
4:	6.3424e+00	6.3425e+00	9e-02	3e-02	1e-15	2e-03
5:	6.3681e+00	6.3682e+00	9e-03	3e-03	5e-15	2e-04
6:	6.3716e+00	6.3716e+00	9e-05	3e-05	2e-15	2e-06
7:	6.3716e+00	6.3716e+00	9e-07	3e-07	1e-15	2e-08
8:	6.3716e+00	6.3716e+00	9e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6775e+00	2.6744e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1793e+00	5.1780e+00	1e+00	4e-01	1e-15	3e-02
3:	5.5269e+00	5.5261e+00	5e-01	1e-01	2e-15	1e-02
4:	5.6541e+00	5.6539e+00	9e-02	3e-02	2e-15	3e-03
5:	5.6816e+00	5.6815e+00	9e-03	3e-03	2e-15	2e-04
6:	5.6847e+00	5.6847e+00	7e-04	2e-04	2e-15	2e-05
7:	5.6849e+00	5.6849e+00	7e-06	2e-06	3e-15	2e-07
8:	5.6849e+00	5.6849e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4070e+00	4.4060e+00	6e+00	2e+00	3e-16	2e-01
2:	7.0807e+00	7.0804e+00	1e+00	5e-01	1e-15	4e-02
3:	7.5935e+00	7.5933e+00	3e-01	1e-01	2e-15	8e-03
4:	7.7206e+00	7.7205e+00	5e-02	1e-02	1e-15	1e-03
5:	7.7348e+00	7.7348e+00	7e-03	2e-03	6e-15	2e-04
6:	7.7373e+00	7.7373e+00	7e-05	2e-05	1e-15	2e-06
7:	7.7374e+00	7.7374e+00	7e-07	2e-07	1e-15	2e-08
8:	7.7374e+00	7.7374e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4723e+00	4.4746e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0848e+00	7.0855e+00	1e+00	5e-01	9e-16	4e-02
3:	7.7060e+00	7.7062e+00	4e-01	1e-01	1e-15	9e-03
4:	7.8466e+00	7.8466e+00	5e-02	2e-02	2e-15	1e-03
5:	7.8636e+00	7.8636e+00	6e-04	2e-04	3e-15	2e-05
6:	7.8639e+00	7.8639e+00	6e-06	2e-06	2e-15	2e-07
7:	7.8639e+00	7.8639e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4079e+00	2.4088e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3652e+00	4.3656e+00	2e+00	5e-01	1e-15	4e-02
3:	5.0144e+00	5.0145e+00	4e-01	1e-01	1e-15	9e-03
4:	5.1287e+00	5.1287e+00	6e-02	2e-02	5e-15	1e-03
5:	5.1495e+00	5.1495e+00	8e-03	2e-03	2e-15	2e-04
6:	5.1518e+00	5.1518e+00	9e-05	3e-05	5e-15	2e-06
7:	5.1518e+00	5.1518e+00	9e-07	3e-07	4e-15	2e-08

8: 5.1518e+00 5.1518e+00 9e-09 3e-09 3e-15 2e-10  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7668e+00	3.7661e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4702e+00	6.4700e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9004e+00	6.9003e+00	5e-01	2e-01	2e-15	1e-02
4:	7.0110e+00	7.0110e+00	2e-01	5e-02	3e-15	4e-03
5:	7.0650e+00	7.0650e+00	2e-02	7e-03	5e-15	6e-04
6:	7.0717e+00	7.0717e+00	3e-03	1e-03	3e-15	8e-05
7:	7.0727e+00	7.0727e+00	1e-03	3e-04	1e-15	2e-05
8:	7.0730e+00	7.0730e+00	1e-05	3e-06	2e-15	3e-07
9:	7.0730e+00	7.0730e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7724e+00	3.7709e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3027e+00	6.3024e+00	9e-01	3e-01	2e-15	2e-02
3:	6.6651e+00	6.6650e+00	2e-01	6e-02	1e-15	5e-03
4:	6.7596e+00	6.7595e+00	2e-02	5e-03	1e-15	4e-04
5:	6.7674e+00	6.7674e+00	2e-04	7e-05	2e-15	5e-06
6:	6.7675e+00	6.7675e+00	2e-06	7e-07	2e-15	5e-08
7:	6.7675e+00	6.7675e+00	2e-08	7e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0835e+00	4.0867e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9307e+00	6.9317e+00	1e+00	4e-01	2e-15	3e-02
3:	7.4995e+00	7.4997e+00	3e-01	1e-01	1e-15	8e-03
4:	7.5852e+00	7.5853e+00	8e-02	2e-02	4e-15	2e-03
5:	7.6147e+00	7.6147e+00	1e-03	4e-04	2e-15	3e-05
6:	7.6152e+00	7.6152e+00	1e-05	4e-06	2e-15	3e-07
7:	7.6152e+00	7.6152e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8990e+00	3.8978e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1220e+00	6.1216e+00	2e+00	5e-01	2e-15	4e-02
3:	6.8333e+00	6.8331e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9280e+00	6.9280e+00	4e-02	1e-02	2e-15	1e-03
5:	6.9390e+00	6.9390e+00	1e-02	4e-03	7e-15	3e-04
6:	6.9404e+00	6.9403e+00	6e-03	2e-03	9e-14	1e-04
7:	6.9423e+00	6.9423e+00	7e-04	2e-04	1e-14	2e-05
8:	6.9425e+00	6.9425e+00	8e-06	3e-06	3e-14	2e-07
9:	6.9425e+00	6.9425e+00	8e-08	3e-08	3e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.2306e+00	3.2288e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3694e+00	5.3687e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7158e+00	5.7156e+00	3e-01	1e-01	1e-15	8e-03
4:	5.8449e+00	5.8448e+00	1e-01	3e-02	9e-16	2e-03
5:	5.8640e+00	5.8639e+00	4e-02	1e-02	2e-15	1e-03
6:	5.8783e+00	5.8783e+00	8e-03	2e-03	1e-15	2e-04
7:	5.8793e+00	5.8793e+00	4e-03	1e-03	4e-14	9e-05
8:	5.8806e+00	5.8806e+00	1e-04	4e-05	6e-15	3e-06
9:	5.8806e+00	5.8806e+00	1e-06	4e-07	3e-14	3e-08
10:	5.8806e+00	5.8806e+00	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6458e+00	3.6505e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1435e+00	6.1451e+00	1e+00	5e-01	7e-16	3e-02
3:	6.5950e+00	6.5953e+00	2e-01	8e-02	7e-16	6e-03
4:	6.6913e+00	6.6913e+00	3e-02	9e-03	1e-15	7e-04
5:	6.7015e+00	6.7015e+00	4e-04	1e-04	3e-15	1e-05
6:	6.7017e+00	6.7017e+00	4e-06	1e-06	2e-15	1e-07
7:	6.7017e+00	6.7017e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8608e+00	2.8583e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7957e+00	4.7949e+00	1e+00	4e-01	2e-15	3e-02
3:	5.3353e+00	5.3351e+00	3e-01	8e-02	9e-16	7e-03
4:	5.4410e+00	5.4410e+00	5e-02	2e-02	1e-15	1e-03
5:	5.4647e+00	5.4647e+00	9e-03	3e-03	1e-15	2e-04
6:	5.4684e+00	5.4684e+00	6e-04	2e-04	1e-14	2e-05
7:	5.4687e+00	5.4687e+00	6e-06	2e-06	1e-15	2e-07
8:	5.4687e+00	5.4687e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0472e+00	5.0495e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6621e+00	7.6628e+00	1e+00	5e-01	2e-15	4e-02
3:	7.9887e+00	7.9887e+00	4e-02	1e-02	1e-15	1e-03
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	1e-15	1e-07
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5873e+00	4.5866e+00	6e+00	2e+00	2e-16	2e-01
2:	7.3285e+00	7.3281e+00	2e+00	5e-01	2e-15	4e-02
3:	7.8701e+00	7.8700e+00	5e-01	1e-01	1e-15	1e-02
4:	7.9867e+00	7.9867e+00	5e-02	1e-02	5e-15	1e-03
5:	7.9999e+00	7.9999e+00	5e-04	2e-04	6e-16	1e-05

6:	8.0000e+00	8.0000e+00	5e-06	2e-06	1e-15	1e-07
7:	8.0000e+00	8.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7007e+00	3.7049e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8225e+00	5.8236e+00	1e+00	4e-01	8e-16	3e-02
3:	6.5274e+00	6.5276e+00	2e-01	6e-02	1e-15	5e-03
4:	6.6020e+00	6.6020e+00	3e-02	9e-03	4e-15	7e-04
5:	6.6111e+00	6.6111e+00	3e-03	9e-04	2e-14	7e-05
6:	6.6124e+00	6.6124e+00	3e-05	1e-05	4e-15	7e-07
7:	6.6124e+00	6.6124e+00	3e-07	1e-07	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6303e+00	4.6314e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5205e+00	7.5210e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9783e+00	7.9784e+00	1e-01	3e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	1e-03	3e-04	1e-15	2e-05
5:	8.0000e+00	8.0000e+00	1e-05	3e-06	1e-15	2e-07
6:	8.0000e+00	8.0000e+00	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2186e+00	3.2173e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6909e+00	5.6903e+00	1e+00	4e-01	2e-15	3e-02
3:	6.1143e+00	6.1141e+00	3e-01	9e-02	1e-15	7e-03
4:	6.2286e+00	6.2286e+00	6e-02	2e-02	3e-15	1e-03
5:	6.2475e+00	6.2475e+00	1e-02	3e-03	1e-14	2e-04
6:	6.2516e+00	6.2516e+00	1e-04	4e-05	1e-15	3e-06
7:	6.2516e+00	6.2516e+00	1e-06	4e-07	2e-15	3e-08
8:	6.2516e+00	6.2516e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2381e+00	3.2360e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6945e+00	5.6937e+00	1e+00	4e-01	1e-15	3e-02
3:	6.1252e+00	6.1250e+00	3e-01	9e-02	1e-15	7e-03
4:	6.2257e+00	6.2256e+00	8e-03	2e-03	2e-15	2e-04
5:	6.2287e+00	6.2287e+00	8e-05	2e-05	8e-16	2e-06
6:	6.2288e+00	6.2288e+00	8e-07	2e-07	9e-16	2e-08
7:	6.2288e+00	6.2288e+00	8e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9580e+00	3.9557e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6438e+00	6.6430e+00	1e+00	4e-01	2e-15	4e-02
3:	7.1473e+00	7.1471e+00	3e-01	1e-01	1e-15	8e-03

4:	7.2956e+00	7.2955e+00	5e-02	2e-02	2e-15	1e-03
5:	7.3195e+00	7.3195e+00	6e-03	2e-03	1e-14	2e-04
6:	7.3220e+00	7.3220e+00	5e-04	2e-04	4e-14	1e-05
7:	7.3222e+00	7.3222e+00	5e-06	2e-06	1e-14	1e-07
8:	7.3222e+00	7.3222e+00	5e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5423e+00	3.5518e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9644e+00	5.9675e+00	1e+00	5e-01	1e-15	3e-02
3:	6.3518e+00	6.3529e+00	5e-01	2e-01	6e-16	1e-02
4:	6.5015e+00	6.5017e+00	9e-02	3e-02	8e-16	2e-03
5:	6.5217e+00	6.5217e+00	1e-02	4e-03	1e-15	3e-04
6:	6.5259e+00	6.5259e+00	1e-03	4e-04	9e-16	3e-05
7:	6.5263e+00	6.5263e+00	1e-05	4e-06	1e-15	3e-07
8:	6.5263e+00	6.5263e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1656e+00	4.1630e+00	6e+00	2e+00	3e-16	2e-01
2:	7.1889e+00	7.1880e+00	1e+00	3e-01	2e-15	3e-02
3:	7.5518e+00	7.5516e+00	2e-01	6e-02	2e-15	5e-03
4:	7.6465e+00	7.6465e+00	3e-02	1e-02	2e-15	8e-04
5:	7.6587e+00	7.6587e+00	9e-04	3e-04	1e-14	2e-05
6:	7.6591e+00	7.6591e+00	9e-06	3e-06	7e-15	2e-07
7:	7.6591e+00	7.6591e+00	9e-08	3e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3707e+00	4.3762e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5795e+00	6.5809e+00	2e+00	5e-01	1e-15	3e-02
3:	7.2122e+00	7.2127e+00	4e-01	1e-01	1e-15	9e-03
4:	7.3326e+00	7.3327e+00	6e-02	2e-02	4e-15	1e-03
5:	7.3557e+00	7.3557e+00	2e-02	5e-03	1e-15	4e-04
6:	7.3597e+00	7.3597e+00	3e-03	9e-04	1e-15	7e-05
7:	7.3608e+00	7.3608e+00	4e-05	1e-05	5e-16	1e-06
8:	7.3608e+00	7.3608e+00	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5882e+00	3.5900e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7109e+00	5.7116e+00	2e+00	6e-01	1e-15	4e-02
3:	6.3771e+00	6.3773e+00	4e-01	1e-01	9e-16	9e-03
4:	6.4588e+00	6.4589e+00	1e-01	4e-02	2e-15	3e-03
5:	6.4872e+00	6.4873e+00	4e-02	1e-02	7e-15	1e-03
6:	6.5018e+00	6.5018e+00	1e-02	3e-03	2e-15	2e-04
7:	6.5052e+00	6.5052e+00	1e-03	4e-04	8e-15	3e-05
8:	6.5057e+00	6.5057e+00	2e-05	7e-06	3e-14	5e-07

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9: 6.5057e+00 6.5057e+00 2e-07 7e-08 2e-14 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.5696e+00 3.5693e+00 6e+00 2e+00 3e-16 2e-01
2: 6.3298e+00 6.3297e+00 1e+00 4e-01 2e-15 3e-02
3: 6.9010e+00 6.9010e+00 3e-01 9e-02 1e-15 8e-03
4: 6.9750e+00 6.9750e+00 6e-02 2e-02 4e-15 1e-03
5: 6.9916e+00 6.9916e+00 2e-03 8e-04 9e-15 6e-05
6: 6.9922e+00 6.9922e+00 4e-04 1e-04 1e-14 1e-05
7: 6.9923e+00 6.9923e+00 1e-05 4e-06 8e-16 3e-07
8: 6.9923e+00 6.9923e+00 1e-07 4e-08 5e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9404e+00 3.9391e+00 6e+00 2e+00 3e-16 2e-01
2: 6.9183e+00 6.9179e+00 1e+00 4e-01 1e-15 3e-02
3: 7.3018e+00 7.3016e+00 3e-01 1e-01 7e-15 9e-03
4: 7.3620e+00 7.3620e+00 1e-01 4e-02 3e-15 3e-03
5: 7.4054e+00 7.4054e+00 4e-02 1e-02 1e-15 9e-04
6: 7.4151e+00 7.4151e+00 2e-03 8e-04 2e-15 6e-05
7: 7.4157e+00 7.4157e+00 3e-05 8e-06 9e-15 6e-07
8: 7.4158e+00 7.4158e+00 3e-07 8e-08 9e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.8168e+00 4.8147e+00 6e+00 2e+00 4e-16 2e-01
2: 7.3233e+00 7.3225e+00 1e+00 4e-01 3e-15 3e-02
3: 7.8438e+00 7.8437e+00 1e-01 5e-02 1e-15 4e-03
4: 7.9129e+00 7.9129e+00 2e-02 6e-03 5e-15 5e-04
5: 7.9211e+00 7.9211e+00 1e-03 4e-04 6e-15 3e-05
6: 7.9216e+00 7.9216e+00 1e-05 4e-06 2e-15 3e-07
7: 7.9216e+00 7.9216e+00 1e-07 4e-08 2e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.7737e+00 4.7764e+00 7e+00 2e+00 3e-16 2e-01
2: 7.3178e+00 7.3187e+00 1e+00 5e-01 1e-15 3e-02
3: 7.8984e+00 7.8987e+00 4e-01 1e-01 9e-16 9e-03
4: 7.9786e+00 7.9787e+00 6e-02 2e-02 8e-15 1e-03
5: 7.9998e+00 7.9998e+00 6e-04 2e-04 1e-15 2e-05
6: 8.0000e+00 8.0000e+00 6e-06 2e-06 2e-15 2e-07
7: 8.0000e+00 8.0000e+00 6e-08 2e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 4.0646e+00 4.0718e+00 6e+00 2e+00 2e-16 1e-01
2: 6.0936e+00 6.0957e+00 1e+00 4e-01 1e-15 3e-02

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3:	6.5350e+00	6.5357e+00	4e-01	1e-01	1e-15	9e-03
4:	6.6657e+00	6.6658e+00	4e-02	1e-02	1e-15	1e-03
5:	6.6805e+00	6.6805e+00	6e-04	2e-04	2e-15	1e-05
6:	6.6807e+00	6.6807e+00	6e-06	2e-06	1e-15	1e-07
7:	6.6807e+00	6.6807e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3774e+00	4.3776e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8045e+00	6.8046e+00	2e+00	5e-01	1e-15	4e-02
3:	7.3932e+00	7.3932e+00	3e-01	9e-02	1e-15	7e-03
4:	7.5098e+00	7.5098e+00	4e-02	1e-02	1e-15	9e-04
5:	7.5258e+00	7.5258e+00	4e-04	1e-04	1e-15	1e-05
6:	7.5260e+00	7.5260e+00	4e-06	1e-06	9e-16	1e-07
7:	7.5260e+00	7.5260e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6576e+00	4.6580e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4242e+00	7.4243e+00	1e+00	5e-01	2e-15	4e-02
3:	7.8219e+00	7.8219e+00	3e-01	1e-01	3e-15	8e-03
4:	7.9805e+00	7.9805e+00	8e-02	3e-02	1e-15	2e-03
5:	7.9911e+00	7.9911e+00	2e-02	8e-03	3e-14	6e-04
6:	7.9999e+00	7.9999e+00	3e-04	1e-04	2e-15	8e-06
7:	8.0000e+00	8.0000e+00	3e-06	1e-06	8e-15	8e-08
8:	8.0000e+00	8.0000e+00	3e-08	1e-08	6e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2834e+00	4.2807e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6433e+00	6.6420e+00	2e+00	6e-01	2e-15	5e-02
3:	7.2025e+00	7.2020e+00	4e-01	1e-01	2e-15	1e-02
4:	7.3738e+00	7.3737e+00	8e-02	3e-02	9e-16	2e-03
5:	7.3961e+00	7.3960e+00	2e-02	7e-03	5e-15	6e-04
6:	7.4045e+00	7.4045e+00	8e-04	2e-04	5e-16	2e-05
7:	7.4048e+00	7.4048e+00	8e-06	2e-06	2e-15	2e-07
8:	7.4048e+00	7.4048e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8072e+00	4.8124e+00	7e+00	2e+00	2e-16	1e-01
2:	7.4049e+00	7.4062e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9668e+00	7.9670e+00	1e-01	4e-02	8e-16	3e-03
4:	7.9884e+00	7.9885e+00	3e-02	8e-03	3e-14	6e-04
5:	7.9999e+00	7.9999e+00	3e-04	9e-05	2e-15	7e-06
6:	8.0000e+00	8.0000e+00	3e-06	9e-07	3e-15	7e-08
7:	8.0000e+00	8.0000e+00	3e-08	9e-09	3e-15	7e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3757e+00	3.3745e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1288e+00	6.1283e+00	1e+00	5e-01	2e-15	4e-02
3:	6.5855e+00	6.5854e+00	2e-01	7e-02	7e-16	6e-03
4:	6.6540e+00	6.6540e+00	5e-02	1e-02	7e-15	1e-03
5:	6.6742e+00	6.6742e+00	6e-03	2e-03	2e-15	2e-04
6:	6.6764e+00	6.6764e+00	8e-05	3e-05	2e-14	2e-06
7:	6.6764e+00	6.6764e+00	8e-07	3e-07	2e-14	2e-08
8:	6.6764e+00	6.6764e+00	8e-09	3e-09	2e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2853e+00	4.2853e+00	6e+00	2e+00	3e-16	2e-01
2:	7.2645e+00	7.2645e+00	2e+00	5e-01	1e-15	4e-02
3:	7.6700e+00	7.6700e+00	5e-01	2e-01	1e-15	1e-02
4:	7.8619e+00	7.8619e+00	1e-01	4e-02	2e-15	3e-03
5:	7.8977e+00	7.8977e+00	5e-03	1e-03	2e-15	1e-04
6:	7.8991e+00	7.8991e+00	5e-05	2e-05	2e-15	1e-06
7:	7.8991e+00	7.8991e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3547e+00	3.3592e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6446e+00	5.6464e+00	2e+00	5e-01	1e-15	4e-02
3:	6.0829e+00	6.0832e+00	3e-01	9e-02	7e-16	7e-03
4:	6.1677e+00	6.1678e+00	2e-02	7e-03	6e-16	5e-04
5:	6.1755e+00	6.1755e+00	2e-03	7e-04	1e-15	5e-05
6:	6.1761e+00	6.1761e+00	2e-05	7e-06	7e-16	5e-07
7:	6.1761e+00	6.1761e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9514e+00	2.9492e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2579e+00	5.2570e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6476e+00	5.6473e+00	3e-01	9e-02	1e-15	7e-03
4:	5.7683e+00	5.7682e+00	4e-02	1e-02	1e-15	1e-03
5:	5.7822e+00	5.7822e+00	7e-03	2e-03	1e-15	2e-04
6:	5.7843e+00	5.7843e+00	2e-04	6e-05	9e-15	5e-06
7:	5.7844e+00	5.7844e+00	2e-06	6e-07	3e-15	5e-08
8:	5.7844e+00	5.7844e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4320e+00	4.4360e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0559e+00	7.0573e+00	1e+00	5e-01	1e-15	4e-02
3:	7.6063e+00	7.6067e+00	3e-01	9e-02	9e-16	7e-03
4:	7.6618e+00	7.6619e+00	1e-01	3e-02	5e-15	2e-03

5:	7.6967e+00	7.6967e+00	6e-03	2e-03	3e-15	1e-04
6:	7.6986e+00	7.6986e+00	6e-05	2e-05	1e-15	1e-06
7:	7.6986e+00	7.6986e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6291e+00	5.6295e+00	6e+00	2e+00	2e-16	2e-01
2:	8.2671e+00	8.2672e+00	2e+00	5e-01	2e-15	4e-02
3:	8.7405e+00	8.7405e+00	3e-01	1e-01	1e-15	9e-03
4:	8.8786e+00	8.8786e+00	7e-02	2e-02	2e-15	2e-03
5:	8.8974e+00	8.8974e+00	1e-02	5e-03	3e-15	4e-04
6:	8.9031e+00	8.9031e+00	1e-03	4e-04	1e-15	3e-05
7:	8.9035e+00	8.9035e+00	1e-05	4e-06	2e-15	3e-07
8:	8.9035e+00	8.9035e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6600e+00	3.6659e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6149e+00	6.6167e+00	1e+00	4e-01	9e-16	3e-02
3:	7.0799e+00	7.0802e+00	2e-01	7e-02	9e-16	5e-03
4:	7.1362e+00	7.1363e+00	6e-02	2e-02	4e-15	1e-03
5:	7.1590e+00	7.1590e+00	2e-03	7e-04	2e-15	5e-05
6:	7.1597e+00	7.1597e+00	2e-05	7e-06	3e-15	5e-07
7:	7.1597e+00	7.1597e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9689e+00	4.9710e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1826e+00	8.1832e+00	2e+00	5e-01	1e-15	4e-02
3:	8.7244e+00	8.7246e+00	4e-01	1e-01	2e-15	9e-03
4:	8.8952e+00	8.8953e+00	5e-02	2e-02	2e-15	1e-03
5:	8.9126e+00	8.9127e+00	5e-03	2e-03	2e-14	1e-04
6:	8.9145e+00	8.9145e+00	6e-05	2e-05	1e-14	1e-06
7:	8.9145e+00	8.9145e+00	6e-07	2e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5318e+00	2.5292e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6475e+00	4.6463e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9776e+00	4.9773e+00	2e-01	7e-02	8e-16	6e-03
4:	5.0740e+00	5.0739e+00	3e-02	1e-02	2e-15	8e-04
5:	5.0849e+00	5.0849e+00	2e-03	5e-04	2e-15	4e-05
6:	5.0855e+00	5.0855e+00	2e-05	5e-06	1e-15	4e-07
7:	5.0855e+00	5.0855e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0851e+00	3.0873e+00	7e+00	2e+00	3e-16	2e-01

2:	4.7163e+00	4.7170e+00	2e+00	5e-01	1e-15	4e-02
3:	5.3754e+00	5.3757e+00	4e-01	1e-01	6e-16	1e-02
4:	5.4973e+00	5.4974e+00	1e-01	3e-02	1e-15	2e-03
5:	5.5309e+00	5.5309e+00	1e-02	4e-03	2e-15	3e-04
6:	5.5368e+00	5.5368e+00	4e-04	1e-04	9e-16	1e-05
7:	5.5369e+00	5.5369e+00	2e-05	7e-06	2e-13	6e-07
8:	5.5369e+00	5.5369e+00	2e-07	8e-08	9e-13	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3546e+00	4.3538e+00	6e+00	2e+00	3e-16	2e-01
2:	7.4184e+00	7.4181e+00	1e+00	4e-01	3e-15	3e-02
3:	7.8527e+00	7.8527e+00	2e-01	8e-02	2e-15	6e-03
4:	7.9136e+00	7.9136e+00	5e-02	2e-02	1e-14	1e-03
5:	7.9332e+00	7.9332e+00	8e-03	2e-03	2e-15	2e-04
6:	7.9361e+00	7.9361e+00	8e-05	3e-05	9e-16	2e-06
7:	7.9362e+00	7.9362e+00	8e-07	3e-07	9e-16	2e-08
8:	7.9362e+00	7.9362e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9289e+00	2.9274e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1874e+00	5.1869e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6973e+00	5.6971e+00	2e-01	7e-02	9e-16	6e-03
4:	5.7356e+00	5.7355e+00	1e-01	3e-02	2e-15	3e-03
5:	5.7729e+00	5.7729e+00	3e-03	9e-04	1e-15	7e-05
6:	5.7738e+00	5.7738e+00	3e-05	9e-06	2e-15	7e-07
7:	5.7738e+00	5.7738e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5607e+00	4.5623e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0869e+00	7.0875e+00	2e+00	6e-01	3e-15	4e-02
3:	7.8109e+00	7.8111e+00	4e-01	1e-01	1e-15	9e-03
4:	7.9393e+00	7.9393e+00	3e-02	8e-03	1e-15	6e-04
5:	7.9473e+00	7.9473e+00	2e-03	6e-04	1e-15	4e-05
6:	7.9479e+00	7.9479e+00	5e-04	2e-04	7e-16	1e-05
7:	7.9480e+00	7.9480e+00	1e-04	4e-05	7e-15	3e-06
8:	7.9481e+00	7.9481e+00	1e-06	5e-07	6e-16	4e-08
9:	7.9481e+00	7.9481e+00	1e-08	5e-09	9e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0737e+00	4.0733e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1155e+00	6.1154e+00	1e+00	3e-01	2e-15	3e-02
3:	6.5193e+00	6.5192e+00	3e-01	1e-01	1e-15	8e-03
4:	6.6303e+00	6.6302e+00	5e-02	2e-02	4e-15	1e-03
5:	6.6464e+00	6.6464e+00	8e-03	3e-03	9e-16	2e-04

6:	6.6492e+00	6.6492e+00	2e-03	6e-04	5e-16	5e-05
7:	6.6498e+00	6.6498e+00	2e-04	5e-05	3e-15	4e-06
8:	6.6498e+00	6.6498e+00	2e-06	5e-07	8e-16	4e-08
9:	6.6498e+00	6.6498e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5558e+00	5.5577e+00	6e+00	2e+00	3e-16	2e-01
2:	8.1122e+00	8.1128e+00	1e+00	4e-01	8e-16	3e-02
3:	8.4532e+00	8.4533e+00	3e-01	1e-01	7e-16	8e-03
4:	8.5899e+00	8.5899e+00	6e-02	2e-02	1e-15	1e-03
5:	8.6096e+00	8.6096e+00	1e-03	4e-04	2e-15	3e-05
6:	8.6100e+00	8.6100e+00	1e-05	4e-06	1e-15	3e-07
7:	8.6100e+00	8.6100e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7191e+00	5.7222e+00	6e+00	2e+00	3e-16	2e-01
2:	8.3707e+00	8.3720e+00	2e+00	6e-01	1e-15	4e-02
3:	8.9441e+00	8.9445e+00	2e-01	6e-02	2e-15	5e-03
4:	8.9994e+00	8.9994e+00	2e-03	7e-04	5e-16	5e-05
5:	9.0000e+00	9.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	9.0000e+00	9.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2688e+00	4.2680e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9457e+00	6.9455e+00	1e+00	3e-01	2e-15	3e-02
3:	7.3207e+00	7.3206e+00	3e-01	8e-02	2e-15	7e-03
4:	7.4407e+00	7.4407e+00	4e-02	1e-02	8e-16	9e-04
5:	7.4539e+00	7.4539e+00	5e-04	2e-04	7e-16	1e-05
6:	7.4541e+00	7.4541e+00	5e-06	2e-06	1e-15	1e-07
7:	7.4541e+00	7.4541e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6438e+00	3.6439e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2109e+00	6.2109e+00	2e+00	5e-01	2e-15	4e-02
3:	6.7437e+00	6.7437e+00	4e-01	1e-01	8e-16	9e-03
4:	6.8439e+00	6.8439e+00	8e-02	2e-02	2e-15	2e-03
5:	6.8751e+00	6.8751e+00	5e-03	2e-03	7e-16	1e-04
6:	6.8769e+00	6.8769e+00	5e-05	2e-05	5e-16	1e-06
7:	6.8769e+00	6.8769e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4377e+00	5.4458e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5846e+00	8.5865e+00	1e+00	4e-01	3e-15	3e-02

3:	8.9746e+00	8.9749e+00	2e-01	5e-02	2e-15	4e-03
4:	8.9993e+00	8.9993e+00	3e-03	9e-04	5e-15	7e-05
5:	9.0000e+00	9.0000e+00	3e-05	9e-06	2e-15	7e-07
6:	9.0000e+00	9.0000e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4777e+00	4.4782e+00	6e+00	2e+00	2e-16	2e-01
2:	7.1733e+00	7.1736e+00	2e+00	5e-01	3e-15	4e-02
3:	7.5717e+00	7.5718e+00	5e-01	2e-01	3e-15	1e-02
4:	7.7320e+00	7.7320e+00	9e-02	3e-02	9e-16	2e-03
5:	7.7655e+00	7.7655e+00	1e-02	5e-03	1e-15	4e-04
6:	7.7701e+00	7.7701e+00	2e-03	8e-04	9e-16	6e-05
7:	7.7710e+00	7.7710e+00	4e-04	1e-04	7e-16	9e-06
8:	7.7711e+00	7.7711e+00	9e-06	3e-06	3e-15	2e-07
9:	7.7711e+00	7.7711e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8581e+00	4.8600e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7758e+00	7.7764e+00	1e+00	5e-01	9e-16	3e-02
3:	8.3971e+00	8.3973e+00	4e-01	1e-01	1e-15	1e-02
4:	8.5375e+00	8.5376e+00	9e-02	3e-02	3e-15	2e-03
5:	8.5738e+00	8.5738e+00	6e-03	2e-03	3e-15	1e-04
6:	8.5764e+00	8.5764e+00	6e-05	2e-05	2e-15	1e-06
7:	8.5764e+00	8.5764e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8507e+00	5.8524e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5644e+00	8.5650e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9841e+00	8.9842e+00	5e-02	2e-02	2e-15	1e-03
4:	8.9998e+00	8.9998e+00	5e-04	2e-04	7e-16	1e-05
5:	9.0000e+00	9.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	9.0000e+00	9.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3673e+00	4.3646e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9569e+00	6.9559e+00	1e+00	5e-01	1e-15	4e-02
3:	7.7189e+00	7.7187e+00	2e-01	7e-02	2e-15	6e-03
4:	7.8239e+00	7.8239e+00	2e-02	6e-03	4e-15	5e-04
5:	7.8319e+00	7.8319e+00	1e-03	4e-04	3e-14	3e-05
6:	7.8325e+00	7.8325e+00	1e-05	4e-06	5e-15	3e-07
7:	7.8325e+00	7.8325e+00	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.4428e+00	3.4440e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4641e+00	5.4646e+00	2e+00	5e-01	2e-15	4e-02
3:	6.0048e+00	6.0049e+00	3e-01	1e-01	1e-15	8e-03
4:	6.1406e+00	6.1406e+00	4e-02	1e-02	1e-15	1e-03
5:	6.1577e+00	6.1577e+00	5e-03	2e-03	9e-16	1e-04
6:	6.1597e+00	6.1597e+00	6e-05	2e-05	1e-15	1e-06
7:	6.1597e+00	6.1597e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1902e+00	4.1966e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2722e+00	7.2737e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5981e+00	7.5986e+00	3e-01	9e-02	2e-15	6e-03
4:	7.7076e+00	7.7077e+00	4e-02	1e-02	3e-15	1e-03
5:	7.7188e+00	7.7188e+00	1e-02	3e-03	8e-15	2e-04
6:	7.7224e+00	7.7224e+00	3e-03	1e-03	4e-15	8e-05
7:	7.7234e+00	7.7234e+00	4e-05	1e-05	2e-15	9e-07
8:	7.7234e+00	7.7234e+00	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.7951e+00	3.8042e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2256e+00	6.2297e+00	2e+00	8e-01	1e-15	5e-02
3:	6.7426e+00	6.7437e+00	5e-01	2e-01	1e-15	1e-02
4:	6.9136e+00	6.9139e+00	1e-01	3e-02	6e-16	3e-03
5:	6.9467e+00	6.9468e+00	2e-02	7e-03	7e-16	5e-04
6:	6.9515e+00	6.9515e+00	6e-03	2e-03	4e-15	2e-04
7:	6.9538e+00	6.9538e+00	1e-04	5e-05	6e-16	4e-06
8:	6.9539e+00	6.9539e+00	1e-06	5e-07	3e-15	4e-08
9:	6.9539e+00	6.9539e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2792e+00	4.2831e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4302e+00	6.4315e+00	2e+00	5e-01	6e-16	4e-02
3:	7.0952e+00	7.0955e+00	3e-01	1e-01	2e-15	7e-03
4:	7.1158e+00	7.1161e+00	2e-01	5e-02	9e-15	4e-03
5:	7.1750e+00	7.1750e+00	2e-02	7e-03	1e-15	5e-04
6:	7.1826e+00	7.1826e+00	2e-03	6e-04	5e-15	4e-05
7:	7.1833e+00	7.1833e+00	5e-05	2e-05	2e-14	1e-06
8:	7.1833e+00	7.1833e+00	5e-07	2e-07	7e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0650e+00	6.0682e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5302e+00	8.5309e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9687e+00	8.9688e+00	8e-02	3e-02	2e-15	2e-03
4:	8.9997e+00	8.9997e+00	9e-04	3e-04	6e-16	2e-05

5:	9.0000e+00	9.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	9.0000e+00	9.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6727e+00	5.6739e+00	6e+00	2e+00	2e-16	1e-01
2:	8.3632e+00	8.3636e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9405e+00	8.9406e+00	3e-01	9e-02	2e-15	7e-03
4:	8.9977e+00	8.9977e+00	7e-03	2e-03	8e-15	2e-04
5:	9.0000e+00	9.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	9.0000e+00	9.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4561e+00	4.4591e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6147e+00	7.6158e+00	2e+00	5e-01	2e-15	4e-02
3:	8.0310e+00	8.0314e+00	4e-01	1e-01	2e-15	1e-02
4:	8.2051e+00	8.2052e+00	9e-02	3e-02	2e-15	2e-03
5:	8.2364e+00	8.2364e+00	1e-02	3e-03	2e-15	3e-04
6:	8.2398e+00	8.2398e+00	1e-04	4e-05	5e-15	3e-06
7:	8.2399e+00	8.2399e+00	1e-06	4e-07	5e-15	3e-08
8:	8.2399e+00	8.2399e+00	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7041e+00	5.7059e+00	6e+00	2e+00	2e-16	2e-01
2:	8.3611e+00	8.3616e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9359e+00	8.9360e+00	2e-01	6e-02	2e-15	5e-03
4:	8.9892e+00	8.9892e+00	3e-02	9e-03	1e-14	7e-04
5:	8.9999e+00	8.9999e+00	3e-04	9e-05	8e-16	7e-06
6:	9.0000e+00	9.0000e+00	3e-06	9e-07	1e-15	7e-08
7:	9.0000e+00	9.0000e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3200e+00	4.3196e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6462e+00	6.6461e+00	2e+00	5e-01	1e-15	4e-02
3:	7.1758e+00	7.1758e+00	3e-01	8e-02	1e-15	7e-03
4:	7.2500e+00	7.2500e+00	9e-02	3e-02	1e-14	2e-03
5:	7.2773e+00	7.2772e+00	1e-02	4e-03	2e-15	3e-04
6:	7.2819e+00	7.2819e+00	6e-04	2e-04	7e-16	1e-05
7:	7.2821e+00	7.2821e+00	8e-06	3e-06	2e-15	2e-07
8:	7.2821e+00	7.2821e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3707e+00	4.3719e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0309e+00	8.0313e+00	1e+00	4e-01	1e-15	3e-02

3:	8.3277e+00	8.3279e+00	3e-01	9e-02	2e-15	7e-03
4:	8.4275e+00	8.4275e+00	5e-02	2e-02	1e-15	1e-03
5:	8.4419e+00	8.4419e+00	7e-03	2e-03	7e-15	2e-04
6:	8.4445e+00	8.4445e+00	4e-04	1e-04	2e-15	1e-05
7:	8.4446e+00	8.4446e+00	4e-06	1e-06	5e-15	1e-07
8:	8.4446e+00	8.4446e+00	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.8584e+00	3.8723e+00	8e+00	2e+00	2e-16	2e-01
2:	6.6364e+00	6.6406e+00	2e+00	5e-01	7e-16	4e-02
3:	7.2290e+00	7.2297e+00	2e-01	6e-02	1e-15	5e-03
4:	7.2864e+00	7.2865e+00	4e-02	1e-02	3e-15	9e-04
5:	7.2938e+00	7.2938e+00	9e-03	3e-03	2e-14	2e-04
6:	7.2971e+00	7.2971e+00	2e-03	5e-04	4e-15	4e-05
7:	7.2976e+00	7.2976e+00	3e-05	1e-05	8e-15	8e-07
8:	7.2976e+00	7.2976e+00	3e-07	1e-07	4e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8558e+00	4.8646e+00	7e+00	2e+00	4e-16	2e-01
2:	7.9571e+00	7.9596e+00	1e+00	4e-01	2e-15	3e-02
3:	8.4087e+00	8.4092e+00	2e-01	8e-02	2e-15	6e-03
4:	8.5008e+00	8.5009e+00	4e-02	1e-02	2e-15	8e-04
5:	8.5133e+00	8.5133e+00	7e-04	2e-04	4e-15	2e-05
6:	8.5136e+00	8.5136e+00	7e-06	2e-06	2e-15	2e-07
7:	8.5136e+00	8.5136e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6386e+00	4.6452e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7424e+00	6.7443e+00	2e+00	5e-01	2e-15	3e-02
3:	7.3617e+00	7.3622e+00	3e-01	1e-01	1e-15	8e-03
4:	7.4792e+00	7.4793e+00	3e-02	1e-02	8e-16	8e-04
5:	7.4916e+00	7.4916e+00	4e-04	1e-04	1e-15	9e-06
6:	7.4917e+00	7.4917e+00	4e-06	1e-06	1e-15	9e-08
7:	7.4917e+00	7.4917e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9801e+00	3.9835e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6717e+00	6.6732e+00	2e+00	6e-01	9e-16	5e-02
3:	7.3393e+00	7.3398e+00	4e-01	1e-01	1e-15	1e-02
4:	7.5296e+00	7.5297e+00	5e-02	2e-02	6e-16	1e-03
5:	7.5453e+00	7.5453e+00	1e-02	3e-03	9e-15	2e-04
6:	7.5476e+00	7.5476e+00	2e-03	7e-04	5e-14	5e-05
7:	7.5484e+00	7.5484e+00	6e-05	2e-05	1e-14	1e-06
8:	7.5484e+00	7.5484e+00	6e-07	2e-07	2e-14	1e-08



Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4812e+00	5.4869e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5108e+00	8.5124e+00	1e+00	5e-01	1e-15	3e-02
3:	8.9523e+00	8.9525e+00	1e-01	4e-02	4e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	8e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	8e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9296e+00	4.9293e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9316e+00	7.9315e+00	2e+00	5e-01	2e-15	4e-02
3:	8.3514e+00	8.3513e+00	4e-01	1e-01	3e-15	1e-02
4:	8.5432e+00	8.5432e+00	6e-02	2e-02	2e-15	2e-03
5:	8.5684e+00	8.5684e+00	1e-03	4e-04	4e-15	3e-05
6:	8.5689e+00	8.5689e+00	1e-05	4e-06	3e-15	3e-07
7:	8.5689e+00	8.5689e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4045e+00	5.4051e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2160e+00	8.2162e+00	1e+00	4e-01	1e-15	3e-02
3:	8.7498e+00	8.7498e+00	2e-01	7e-02	8e-16	5e-03
4:	8.8523e+00	8.8523e+00	3e-02	9e-03	4e-15	7e-04
5:	8.8619e+00	8.8619e+00	5e-03	1e-03	3e-14	1e-04
6:	8.8639e+00	8.8639e+00	5e-05	2e-05	2e-15	1e-06
7:	8.8639e+00	8.8639e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4296e+00	5.4348e+00	6e+00	2e+00	3e-16	1e-01
2:	7.6074e+00	7.6098e+00	2e+00	7e-01	1e-15	5e-02
3:	8.3170e+00	8.3179e+00	7e-01	2e-01	9e-16	2e-02
4:	8.4900e+00	8.4903e+00	1e-01	4e-02	3e-15	3e-03
5:	8.5281e+00	8.5282e+00	2e-02	6e-03	1e-15	5e-04
6:	8.5358e+00	8.5358e+00	2e-03	7e-04	8e-16	6e-05
7:	8.5366e+00	8.5366e+00	3e-05	9e-06	3e-15	7e-07
8:	8.5366e+00	8.5366e+00	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7784e+00	4.7794e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8532e+00	7.8534e+00	9e-01	3e-01	1e-15	2e-02
3:	8.1945e+00	8.1946e+00	2e-01	5e-02	8e-16	4e-03
4:	8.2290e+00	8.2290e+00	4e-02	1e-02	7e-15	9e-04
5:	8.2417e+00	8.2417e+00	3e-03	8e-04	9e-16	7e-05

6:	8.2426e+00	8.2426e+00	3e-05	8e-06	5e-16	7e-07
7:	8.2426e+00	8.2426e+00	3e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6455e+00	4.6513e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3392e+00	7.3412e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9436e+00	7.9442e+00	4e-01	1e-01	1e-15	9e-03
4:	8.0788e+00	8.0789e+00	7e-02	2e-02	2e-15	2e-03
5:	8.1053e+00	8.1054e+00	2e-02	5e-03	1e-15	4e-04
6:	8.1111e+00	8.1111e+00	2e-03	5e-04	7e-15	4e-05
7:	8.1118e+00	8.1118e+00	6e-05	2e-05	8e-16	2e-06
8:	8.1118e+00	8.1118e+00	6e-07	2e-07	8e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6919e+00	3.6919e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6086e+00	6.6086e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9901e+00	6.9901e+00	2e-01	7e-02	7e-16	6e-03
4:	7.0595e+00	7.0595e+00	3e-02	1e-02	2e-15	8e-04
5:	7.0727e+00	7.0727e+00	4e-03	1e-03	3e-15	9e-05
6:	7.0739e+00	7.0739e+00	4e-05	1e-05	5e-15	9e-07
7:	7.0739e+00	7.0739e+00	4e-07	1e-07	5e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7504e+00	4.7518e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6914e+00	7.6919e+00	2e+00	5e-01	2e-15	4e-02
3:	8.4808e+00	8.4810e+00	4e-01	1e-01	2e-15	1e-02
4:	8.6117e+00	8.6117e+00	9e-02	3e-02	6e-15	2e-03
5:	8.6560e+00	8.6560e+00	4e-03	1e-03	1e-15	1e-04
6:	8.6577e+00	8.6577e+00	4e-05	1e-05	2e-15	1e-06
7:	8.6577e+00	8.6577e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6876e+00	4.6923e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5732e+00	7.5746e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9687e+00	7.9694e+00	4e-01	1e-01	2e-15	1e-02
4:	8.0774e+00	8.0776e+00	8e-02	2e-02	2e-15	2e-03
5:	8.0989e+00	8.0989e+00	3e-02	9e-03	2e-15	7e-04
6:	8.1081e+00	8.1081e+00	2e-03	5e-04	6e-16	4e-05
7:	8.1086e+00	8.1086e+00	2e-05	5e-06	9e-16	4e-07
8:	8.1086e+00	8.1086e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7850e+00	5.7888e+00	7e+00	2e+00	3e-16	2e-01

2:	8.6802e+00	8.6811e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9878e+00	8.9879e+00	4e-02	1e-02	3e-15	1e-03
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	1e-15	1e-05
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	1e-15	1e-07
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8179e+00	5.8230e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7478e+00	8.7492e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9518e+00	8.9522e+00	1e-01	5e-02	4e-15	4e-03
4:	8.9995e+00	8.9995e+00	1e-03	5e-04	5e-16	4e-05
5:	9.0000e+00	9.0000e+00	1e-05	5e-06	5e-16	4e-07
6:	9.0000e+00	9.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3215e+00	4.3225e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5456e+00	6.5458e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1455e+00	7.1456e+00	4e-01	1e-01	1e-15	9e-03
4:	7.2468e+00	7.2469e+00	1e-01	4e-02	3e-15	3e-03
5:	7.2821e+00	7.2822e+00	4e-02	1e-02	3e-15	9e-04
6:	7.2935e+00	7.2935e+00	5e-03	2e-03	4e-15	1e-04
7:	7.2954e+00	7.2954e+00	6e-05	2e-05	1e-15	1e-06
8:	7.2954e+00	7.2954e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0390e+00	4.0383e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2629e+00	6.2626e+00	2e+00	5e-01	2e-15	4e-02
3:	7.0711e+00	7.0710e+00	2e-01	7e-02	1e-15	5e-03
4:	7.1407e+00	7.1407e+00	5e-02	2e-02	2e-15	1e-03
5:	7.1548e+00	7.1548e+00	5e-03	1e-03	6e-15	1e-04
6:	7.1564e+00	7.1564e+00	5e-05	2e-05	4e-15	1e-06
7:	7.1564e+00	7.1564e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5253e+00	3.5292e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8163e+00	5.8175e+00	2e+00	5e-01	1e-15	4e-02
3:	6.3001e+00	6.3005e+00	5e-01	2e-01	2e-15	1e-02
4:	6.4682e+00	6.4684e+00	1e-01	4e-02	1e-15	3e-03
5:	6.5096e+00	6.5097e+00	4e-02	1e-02	1e-15	1e-03
6:	6.5234e+00	6.5234e+00	2e-03	6e-04	3e-15	4e-05
7:	6.5240e+00	6.5240e+00	2e-04	6e-05	9e-16	4e-06
8:	6.5241e+00	6.5241e+00	2e-06	6e-07	2e-15	5e-08
9:	6.5241e+00	6.5241e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4911e+00	4.4916e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6818e+00	7.6820e+00	2e+00	5e-01	2e-15	4e-02
3:	8.2319e+00	8.2320e+00	4e-01	1e-01	2e-15	1e-02
4:	8.3964e+00	8.3964e+00	8e-02	3e-02	6e-15	2e-03
5:	8.4217e+00	8.4217e+00	1e-02	4e-03	3e-14	3e-04
6:	8.4279e+00	8.4279e+00	4e-04	1e-04	2e-15	9e-06
7:	8.4280e+00	8.4280e+00	4e-06	1e-06	2e-15	9e-08
8:	8.4280e+00	8.4280e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7113e+00	5.7159e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6332e+00	8.6345e+00	1e+00	5e-01	3e-15	3e-02
3:	8.9845e+00	8.9845e+00	5e-02	2e-02	3e-15	1e-03
4:	8.9998e+00	8.9998e+00	5e-04	2e-04	8e-16	1e-05
5:	9.0000e+00	9.0000e+00	5e-06	2e-06	9e-16	1e-07
6:	9.0000e+00	9.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2929e+00	5.2962e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4025e+00	8.4034e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9346e+00	8.9347e+00	2e-01	7e-02	2e-15	5e-03
4:	8.9813e+00	8.9814e+00	7e-02	2e-02	1e-14	2e-03
5:	8.9996e+00	8.9996e+00	1e-03	4e-04	8e-15	3e-05
6:	9.0000e+00	9.0000e+00	1e-05	4e-06	6e-15	3e-07
7:	9.0000e+00	9.0000e+00	1e-07	4e-08	7e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1969e+00	5.2020e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8425e+00	7.8441e+00	2e+00	6e-01	2e-15	4e-02
3:	8.6973e+00	8.6977e+00	4e-01	1e-01	2e-15	9e-03
4:	8.7956e+00	8.7959e+00	2e-01	6e-02	6e-15	5e-03
5:	8.8711e+00	8.8712e+00	3e-02	1e-02	3e-15	8e-04
6:	8.8864e+00	8.8864e+00	5e-04	2e-04	2e-15	1e-05
7:	8.8867e+00	8.8867e+00	5e-06	2e-06	2e-15	1e-07
8:	8.8867e+00	8.8867e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4488e+00	2.4456e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9749e+00	4.9735e+00	9e-01	3e-01	2e-15	2e-02
3:	5.2425e+00	5.2420e+00	2e-01	8e-02	1e-15	7e-03
4:	5.2846e+00	5.2844e+00	7e-02	2e-02	4e-15	2e-03
5:	5.3104e+00	5.3103e+00	3e-03	1e-03	1e-15	8e-05

6:	5.3116e+00	5.3116e+00	3e-05	1e-05	4e-16	8e-07
7:	5.3116e+00	5.3116e+00	3e-07	1e-07	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5571e+00	5.5691e+00	8e+00	2e+00	3e-16	2e-01
2:	8.0361e+00	8.0420e+00	3e+00	9e-01	2e-15	6e-02
3:	8.8065e+00	8.8081e+00	6e-01	2e-01	1e-15	1e-02
4:	9.0329e+00	9.0332e+00	8e-02	3e-02	5e-16	2e-03
5:	9.0603e+00	9.0603e+00	1e-03	4e-04	1e-15	3e-05
6:	9.0608e+00	9.0608e+00	1e-05	4e-06	9e-16	3e-07
7:	9.0608e+00	9.0608e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8835e+00	4.8913e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6188e+00	8.6214e+00	2e+00	5e-01	2e-15	4e-02
3:	9.0738e+00	9.0746e+00	3e-01	1e-01	1e-15	8e-03
4:	9.1958e+00	9.1958e+00	1e-02	4e-03	7e-16	3e-04
5:	9.1997e+00	9.1997e+00	1e-04	4e-05	1e-15	3e-06
6:	9.1997e+00	9.1997e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1214e+00	5.1235e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0569e+00	8.0576e+00	1e+00	4e-01	1e-15	3e-02
3:	8.5546e+00	8.5548e+00	2e-01	8e-02	7e-16	6e-03
4:	8.6059e+00	8.6060e+00	9e-02	3e-02	7e-15	2e-03
5:	8.6411e+00	8.6411e+00	3e-03	9e-04	1e-15	7e-05
6:	8.6421e+00	8.6421e+00	3e-05	9e-06	1e-15	7e-07
7:	8.6421e+00	8.6421e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2269e+00	4.2278e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4008e+00	6.4011e+00	2e+00	5e-01	4e-15	4e-02
3:	7.1663e+00	7.1663e+00	2e-01	7e-02	2e-15	5e-03
4:	7.2613e+00	7.2613e+00	4e-02	1e-02	2e-15	1e-03
5:	7.2765e+00	7.2765e+00	4e-03	1e-03	2e-14	9e-05
6:	7.2781e+00	7.2781e+00	4e-05	1e-05	2e-15	9e-07
7:	7.2781e+00	7.2781e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3504e+00	5.3546e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9242e+00	8.9255e+00	1e+00	4e-01	2e-15	3e-02
3:	9.3728e+00	9.3730e+00	2e-01	5e-02	2e-15	4e-03
4:	9.4419e+00	9.4420e+00	1e-02	4e-03	6e-16	3e-04

5:	9.4466e+00	9.4466e+00	2e-04	7e-05	3e-15	6e-06
6:	9.4467e+00	9.4467e+00	2e-06	7e-07	2e-15	6e-08
7:	9.4467e+00	9.4467e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1873e+00	5.1879e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4471e+00	8.4473e+00	1e+00	5e-01	4e-15	4e-02
3:	8.9663e+00	8.9663e+00	3e-01	9e-02	3e-15	7e-03
4:	9.0889e+00	9.0889e+00	2e-02	7e-03	3e-15	6e-04
5:	9.1006e+00	9.1006e+00	2e-04	8e-05	1e-15	6e-06
6:	9.1007e+00	9.1007e+00	2e-06	8e-07	1e-15	6e-08
7:	9.1007e+00	9.1007e+00	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1766e+00	5.1839e+00	8e+00	2e+00	2e-16	2e-01
2:	7.9715e+00	7.9735e+00	2e+00	5e-01	1e-15	4e-02
3:	8.4725e+00	8.4733e+00	6e-01	2e-01	2e-15	1e-02
4:	8.7072e+00	8.7074e+00	1e-01	3e-02	1e-15	2e-03
5:	8.7582e+00	8.7582e+00	1e-02	3e-03	1e-15	2e-04
6:	8.7628e+00	8.7628e+00	1e-04	4e-05	2e-15	3e-06
7:	8.7628e+00	8.7628e+00	1e-06	4e-07	2e-15	3e-08
8:	8.7628e+00	8.7628e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2007e+00	4.2007e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7111e+00	6.7111e+00	2e+00	5e-01	2e-15	4e-02
3:	7.1745e+00	7.1745e+00	4e-01	1e-01	2e-15	1e-02
4:	7.3555e+00	7.3555e+00	7e-02	2e-02	8e-16	2e-03
5:	7.3655e+00	7.3655e+00	4e-02	1e-02	1e-14	9e-04
6:	7.3784e+00	7.3784e+00	6e-03	2e-03	2e-15	1e-04
7:	7.3801e+00	7.3801e+00	1e-03	4e-04	5e-15	3e-05
8:	7.3801e+00	7.3801e+00	1e-03	4e-04	1e-13	3e-05
9:	7.3805e+00	7.3805e+00	4e-04	1e-04	6e-14	1e-05
10:	7.3806e+00	7.3806e+00	2e-05	5e-06	2e-13	4e-07
11:	7.3806e+00	7.3806e+00	2e-07	5e-08	2e-13	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5779e+00	5.5831e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8091e+00	8.8111e+00	2e+00	6e-01	2e-15	5e-02
3:	9.4511e+00	9.4515e+00	4e-01	1e-01	3e-15	9e-03
4:	9.5962e+00	9.5963e+00	6e-02	2e-02	1e-15	1e-03
5:	9.6148e+00	9.6148e+00	9e-04	3e-04	1e-15	2e-05
6:	9.6150e+00	9.6150e+00	9e-06	3e-06	1e-15	2e-07
7:	9.6150e+00	9.6150e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1717e+00	4.1755e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6534e+00	6.6546e+00	2e+00	5e-01	1e-15	4e-02
3:	7.3139e+00	7.3141e+00	3e-01	1e-01	1e-15	7e-03
4:	7.4123e+00	7.4124e+00	8e-02	2e-02	2e-15	2e-03
5:	7.4426e+00	7.4426e+00	1e-02	3e-03	7e-16	2e-04
6:	7.4462e+00	7.4462e+00	1e-04	3e-05	1e-15	2e-06
7:	7.4462e+00	7.4462e+00	1e-06	3e-07	1e-15	2e-08
8:	7.4462e+00	7.4462e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0407e+00	5.0455e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2010e+00	8.2022e+00	1e+00	5e-01	3e-15	3e-02
3:	8.7707e+00	8.7710e+00	2e-01	8e-02	2e-15	6e-03
4:	8.8351e+00	8.8352e+00	4e-02	1e-02	5e-15	9e-04
5:	8.8499e+00	8.8499e+00	1e-02	3e-03	2e-15	2e-04
6:	8.8536e+00	8.8536e+00	2e-03	6e-04	3e-15	4e-05
7:	8.8540e+00	8.8540e+00	4e-04	1e-04	7e-14	1e-05
8:	8.8542e+00	8.8542e+00	2e-05	6e-06	3e-15	5e-07
9:	8.8542e+00	8.8542e+00	2e-07	6e-08	3e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9842e+00	5.9842e+00	6e+00	2e+00	3e-16	2e-01
2:	8.4106e+00	8.4106e+00	2e+00	6e-01	2e-15	4e-02
3:	8.8779e+00	8.8779e+00	4e-01	1e-01	2e-15	1e-02
4:	8.9902e+00	8.9902e+00	1e-01	5e-02	2e-15	4e-03
5:	9.0667e+00	9.0667e+00	6e-03	2e-03	9e-16	1e-04
6:	9.0691e+00	9.0691e+00	6e-05	2e-05	7e-16	1e-06
7:	9.0692e+00	9.0692e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4790e+00	3.4795e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9942e+00	5.9944e+00	1e+00	4e-01	2e-15	3e-02
3:	6.3235e+00	6.3236e+00	4e-01	1e-01	1e-15	9e-03
4:	6.4345e+00	6.4345e+00	4e-02	1e-02	1e-15	1e-03
5:	6.4498e+00	6.4498e+00	7e-03	2e-03	7e-16	2e-04
6:	6.4521e+00	6.4521e+00	7e-05	2e-05	4e-16	2e-06
7:	6.4521e+00	6.4521e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6844e+00	4.6913e+00	8e+00	2e+00	3e-16	2e-01
2:	7.5845e+00	7.5870e+00	2e+00	7e-01	1e-15	5e-02

3:	8.2977e+00	8.2985e+00	6e-01	2e-01	1e-15	1e-02
4:	8.4471e+00	8.4475e+00	2e-01	6e-02	4e-15	4e-03
5:	8.5168e+00	8.5168e+00	2e-02	6e-03	8e-16	4e-04
6:	8.5244e+00	8.5244e+00	3e-04	1e-04	8e-16	7e-06
7:	8.5246e+00	8.5246e+00	3e-06	1e-06	8e-16	7e-08
8:	8.5246e+00	8.5246e+00	3e-08	1e-08	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7686e+00	6.7697e+00	6e+00	2e+00	3e-16	2e-01
2:	9.4330e+00	9.4334e+00	1e+00	5e-01	2e-15	4e-02
3:	9.9520e+00	9.9520e+00	2e-01	6e-02	3e-15	5e-03
4:	9.9993e+00	9.9993e+00	3e-03	8e-04	4e-15	7e-05
5:	1.0000e+01	1.0000e+01	3e-05	8e-06	2e-15	7e-07
6:	1.0000e+01	1.0000e+01	3e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9861e+00	5.9895e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4382e+00	9.4392e+00	1e+00	5e-01	2e-15	3e-02
3:	9.8406e+00	9.8408e+00	3e-01	8e-02	3e-15	6e-03
4:	9.9060e+00	9.9060e+00	4e-02	1e-02	6e-15	1e-03
5:	9.9224e+00	9.9224e+00	1e-02	3e-03	4e-15	2e-04
6:	9.9261e+00	9.9261e+00	4e-04	1e-04	7e-15	9e-06
7:	9.9263e+00	9.9263e+00	4e-06	1e-06	1e-15	9e-08
8:	9.9263e+00	9.9263e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3795e+00	6.3836e+00	7e+00	2e+00	4e-16	2e-01
2:	9.3651e+00	9.3663e+00	1e+00	4e-01	8e-16	3e-02
3:	9.8683e+00	9.8686e+00	3e-01	9e-02	1e-15	6e-03
4:	9.9834e+00	9.9834e+00	4e-02	1e-02	2e-15	9e-04
5:	9.9989e+00	9.9989e+00	5e-03	2e-03	8e-14	1e-04
6:	1.0000e+01	1.0000e+01	8e-05	2e-05	1e-13	2e-06
7:	1.0000e+01	1.0000e+01	8e-07	2e-07	1e-13	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2556e+00	4.2570e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9876e+00	6.9881e+00	1e+00	4e-01	1e-15	3e-02
3:	7.4786e+00	7.4787e+00	4e-01	1e-01	4e-15	1e-02
4:	7.6198e+00	7.6199e+00	1e-01	3e-02	3e-15	3e-03
5:	7.6657e+00	7.6657e+00	1e-02	4e-03	1e-15	3e-04
6:	7.6686e+00	7.6686e+00	5e-03	2e-03	2e-14	1e-04
7:	7.6700e+00	7.6700e+00	1e-03	3e-04	4e-14	2e-05
8:	7.6703e+00	7.6703e+00	3e-05	9e-06	9e-14	7e-07
9:	7.6703e+00	7.6703e+00	3e-07	9e-08	3e-14	7e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8155e+00	4.8192e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5365e+00	8.5377e+00	1e+00	5e-01	1e-15	4e-02
3:	9.0285e+00	9.0288e+00	3e-01	9e-02	2e-15	7e-03
4:	9.1046e+00	9.1047e+00	5e-02	2e-02	8e-15	1e-03
5:	9.1250e+00	9.1250e+00	4e-03	1e-03	2e-15	9e-05
6:	9.1261e+00	9.1261e+00	4e-05	1e-05	5e-15	1e-06
7:	9.1261e+00	9.1261e+00	4e-07	1e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5852e+00	4.5922e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8157e+00	7.8173e+00	1e+00	3e-01	1e-15	2e-02
3:	8.1357e+00	8.1361e+00	2e-01	6e-02	2e-15	5e-03
4:	8.1963e+00	8.1964e+00	2e-02	8e-03	2e-15	6e-04
5:	8.2064e+00	8.2064e+00	4e-04	1e-04	6e-16	8e-06
6:	8.2065e+00	8.2065e+00	4e-06	1e-06	7e-16	8e-08
7:	8.2065e+00	8.2065e+00	4e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4649e+00	4.4673e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0302e+00	7.0311e+00	2e+00	6e-01	1e-15	5e-02
3:	7.8334e+00	7.8336e+00	5e-01	1e-01	1e-15	1e-02
4:	7.9886e+00	7.9887e+00	1e-01	4e-02	5e-15	3e-03
5:	8.0390e+00	8.0390e+00	1e-02	4e-03	2e-15	3e-04
6:	8.0444e+00	8.0444e+00	1e-04	4e-05	1e-15	3e-06
7:	8.0445e+00	8.0445e+00	1e-06	4e-07	1e-15	3e-08
8:	8.0445e+00	8.0445e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0650e+00	4.0654e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5596e+00	6.5598e+00	2e+00	5e-01	2e-15	4e-02
3:	7.0309e+00	7.0310e+00	4e-01	1e-01	2e-15	1e-02
4:	7.1295e+00	7.1295e+00	8e-02	2e-02	1e-15	2e-03
5:	7.1604e+00	7.1604e+00	1e-02	4e-03	6e-16	3e-04
6:	7.1631e+00	7.1631e+00	3e-03	1e-03	8e-15	8e-05
7:	7.1643e+00	7.1643e+00	4e-05	1e-05	1e-15	9e-07
8:	7.1643e+00	7.1643e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5256e+00	4.5335e+00	8e+00	3e+00	3e-16	2e-01
2:	7.2556e+00	7.2580e+00	2e+00	5e-01	1e-15	4e-02
3:	7.7891e+00	7.7898e+00	4e-01	1e-01	2e-15	8e-03

4:	7.9393e+00	7.9393e+00	3e-02	9e-03	2e-15	6e-04
5:	7.9493e+00	7.9493e+00	5e-04	1e-04	2e-15	1e-05
6:	7.9495e+00	7.9495e+00	5e-06	1e-06	2e-15	1e-07
7:	7.9495e+00	7.9495e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1556e+00	2.1529e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4651e+00	4.4638e+00	1e+00	4e-01	9e-16	4e-02
3:	4.8324e+00	4.8317e+00	5e-01	2e-01	9e-16	1e-02
4:	5.0151e+00	5.0150e+00	1e-01	4e-02	1e-15	3e-03
5:	5.0312e+00	5.0311e+00	5e-02	2e-02	8e-15	1e-03
6:	5.0474e+00	5.0474e+00	5e-03	2e-03	2e-15	1e-04
7:	5.0494e+00	5.0494e+00	5e-05	2e-05	9e-16	1e-06
8:	5.0495e+00	5.0495e+00	5e-07	2e-07	9e-16	1e-08
9:	5.0495e+00	5.0495e+00	5e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9958e+00	5.9966e+00	6e+00	2e+00	3e-16	2e-01
2:	8.7915e+00	8.7917e+00	1e+00	4e-01	2e-15	3e-02
3:	9.3709e+00	9.3710e+00	3e-01	1e-01	2e-15	8e-03
4:	9.4597e+00	9.4597e+00	1e-01	4e-02	6e-15	3e-03
5:	9.5142e+00	9.5142e+00	3e-03	9e-04	2e-15	7e-05
6:	9.5155e+00	9.5155e+00	3e-05	9e-06	2e-15	7e-07
7:	9.5155e+00	9.5155e+00	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9217e+00	4.9231e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9597e+00	7.9604e+00	2e+00	6e-01	1e-15	5e-02
3:	8.6503e+00	8.6505e+00	3e-01	9e-02	1e-15	7e-03
4:	8.7419e+00	8.7420e+00	1e-01	4e-02	9e-16	3e-03
5:	8.7918e+00	8.7918e+00	6e-03	2e-03	9e-16	1e-04
6:	8.7938e+00	8.7938e+00	6e-05	2e-05	1e-15	1e-06
7:	8.7938e+00	8.7938e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2091e+00	6.2125e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1413e+00	9.1424e+00	1e+00	5e-01	2e-15	4e-02
3:	9.6557e+00	9.6559e+00	2e-01	7e-02	1e-15	5e-03
4:	9.7297e+00	9.7298e+00	2e-02	6e-03	2e-15	5e-04
5:	9.7368e+00	9.7368e+00	2e-04	7e-05	2e-15	6e-06
6:	9.7369e+00	9.7369e+00	2e-06	7e-07	2e-15	6e-08
7:	9.7369e+00	9.7369e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2892e+00	6.2894e+00	6e+00	2e+00	2e-16	2e-01
2:	9.2716e+00	9.2717e+00	1e+00	4e-01	2e-15	3e-02
3:	9.8941e+00	9.8941e+00	2e-01	7e-02	1e-15	5e-03
4:	9.9914e+00	9.9914e+00	2e-02	5e-03	3e-15	4e-04
5:	9.9962e+00	9.9962e+00	3e-03	1e-03	1e-13	8e-05
6:	9.9976e+00	9.9976e+00	4e-05	1e-05	2e-14	1e-06
7:	9.9976e+00	9.9976e+00	4e-07	1e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6360e+00	4.6353e+00	6e+00	2e+00	2e-16	2e-01
2:	7.7358e+00	7.7354e+00	2e+00	5e-01	3e-15	4e-02
3:	8.2826e+00	8.2826e+00	2e-01	7e-02	3e-15	6e-03
4:	8.3876e+00	8.3875e+00	5e-02	1e-02	9e-16	1e-03
5:	8.3991e+00	8.3991e+00	9e-03	3e-03	2e-14	2e-04
6:	8.4011e+00	8.4011e+00	2e-03	7e-04	5e-14	6e-05
7:	8.4019e+00	8.4019e+00	1e-04	3e-05	2e-15	3e-06
8:	8.4019e+00	8.4019e+00	1e-06	3e-07	2e-14	3e-08
9:	8.4019e+00	8.4019e+00	1e-08	3e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5625e+00	3.5609e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3107e+00	6.3099e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9115e+00	6.9113e+00	4e-01	1e-01	1e-15	9e-03
4:	6.9880e+00	6.9879e+00	1e-01	4e-02	5e-15	3e-03
5:	7.0414e+00	7.0414e+00	1e-02	4e-03	9e-16	4e-04
6:	7.0458e+00	7.0458e+00	1e-04	5e-05	9e-16	4e-06
7:	7.0458e+00	7.0458e+00	1e-06	5e-07	1e-15	4e-08
8:	7.0458e+00	7.0458e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7419e+00	4.7400e+00	6e+00	2e+00	3e-16	2e-01
2:	7.3460e+00	7.3452e+00	2e+00	5e-01	3e-15	4e-02
3:	7.7454e+00	7.7451e+00	4e-01	1e-01	3e-15	1e-02
4:	7.9127e+00	7.9127e+00	4e-02	1e-02	9e-16	1e-03
5:	7.9260e+00	7.9260e+00	2e-03	7e-04	8e-16	5e-05
6:	7.9267e+00	7.9267e+00	2e-05	7e-06	8e-16	5e-07
7:	7.9267e+00	7.9267e+00	2e-07	7e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4444e+00	5.4479e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0918e+00	9.0933e+00	2e+00	6e-01	1e-15	4e-02
3:	9.8640e+00	9.8642e+00	3e-01	1e-01	6e-16	7e-03
4:	9.9361e+00	9.9362e+00	9e-02	3e-02	9e-15	2e-03

5:	9.9664e+00	9.9664e+00	1e-02	5e-03	8e-15	4e-04
6:	9.9722e+00	9.9722e+00	2e-04	7e-05	3e-15	6e-06
7:	9.9723e+00	9.9723e+00	2e-06	7e-07	2e-15	6e-08
8:	9.9723e+00	9.9723e+00	2e-08	7e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4030e+00	3.4028e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6465e+00	5.6465e+00	2e+00	7e-01	8e-16	5e-02
3:	6.1753e+00	6.1753e+00	5e-01	1e-01	2e-15	1e-02
4:	6.3632e+00	6.3631e+00	7e-02	2e-02	9e-16	2e-03
5:	6.3855e+00	6.3855e+00	6e-03	2e-03	2e-15	2e-04
6:	6.3881e+00	6.3881e+00	7e-05	2e-05	1e-15	2e-06
7:	6.3881e+00	6.3881e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5192e+00	4.5282e+00	8e+00	2e+00	3e-16	2e-01
2:	7.4122e+00	7.4149e+00	2e+00	5e-01	2e-15	3e-02
3:	7.7703e+00	7.7714e+00	5e-01	2e-01	2e-15	1e-02
4:	7.9530e+00	7.9533e+00	1e-01	3e-02	7e-16	2e-03
5:	7.9797e+00	7.9797e+00	5e-03	2e-03	3e-15	1e-04
6:	7.9815e+00	7.9815e+00	6e-05	2e-05	1e-15	1e-06
7:	7.9816e+00	7.9816e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.4986e+00	3.5056e+00	7e+00	2e+00	3e-16	2e-01
2:	6.2026e+00	6.2050e+00	2e+00	6e-01	1e-15	4e-02
3:	6.7076e+00	6.7082e+00	4e-01	1e-01	8e-16	8e-03
4:	6.8168e+00	6.8169e+00	7e-02	2e-02	1e-15	2e-03
5:	6.8359e+00	6.8359e+00	1e-02	5e-03	4e-15	3e-04
6:	6.8410e+00	6.8410e+00	2e-03	6e-04	7e-16	4e-05
7:	6.8416e+00	6.8416e+00	2e-05	6e-06	5e-16	4e-07
8:	6.8416e+00	6.8416e+00	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9160e+00	4.9177e+00	6e+00	2e+00	2e-16	2e-01
2:	7.8643e+00	7.8648e+00	1e+00	4e-01	1e-15	3e-02
3:	8.4031e+00	8.4033e+00	3e-01	8e-02	3e-15	6e-03
4:	8.4763e+00	8.4764e+00	7e-02	2e-02	5e-15	2e-03
5:	8.5026e+00	8.5026e+00	2e-02	7e-03	2e-15	6e-04
6:	8.5051e+00	8.5051e+00	1e-02	5e-03	9e-15	4e-04
7:	8.5093e+00	8.5093e+00	2e-03	8e-04	5e-15	6e-05
8:	8.5100e+00	8.5100e+00	3e-05	1e-05	3e-14	9e-07
9:	8.5100e+00	8.5100e+00	3e-07	1e-07	2e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7049e+00	4.7111e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1556e+00	7.1580e+00	2e+00	7e-01	1e-15	5e-02
3:	7.7628e+00	7.7637e+00	6e-01	2e-01	1e-15	1e-02
4:	7.9512e+00	7.9514e+00	1e-01	4e-02	1e-15	3e-03
5:	8.0039e+00	8.0040e+00	3e-02	8e-03	3e-15	6e-04
6:	8.0131e+00	8.0131e+00	3e-03	9e-04	5e-15	7e-05
7:	8.0144e+00	8.0144e+00	4e-05	1e-05	1e-15	9e-07
8:	8.0144e+00	8.0144e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5290e+00	5.5309e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8812e+00	7.8818e+00	2e+00	5e-01	1e-15	4e-02
3:	8.5986e+00	8.5988e+00	5e-01	1e-01	2e-15	1e-02
4:	8.7616e+00	8.7616e+00	8e-02	3e-02	4e-15	2e-03
5:	8.8003e+00	8.8003e+00	4e-03	1e-03	2e-15	1e-04
6:	8.8021e+00	8.8021e+00	4e-05	1e-05	2e-15	1e-06
7:	8.8021e+00	8.8021e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.9101e+00	2.9071e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7610e+00	4.7601e+00	1e+00	4e-01	1e-15	3e-02
3:	5.4128e+00	5.4125e+00	2e-01	6e-02	1e-15	5e-03
4:	5.4606e+00	5.4604e+00	5e-02	2e-02	6e-15	1e-03
5:	5.4756e+00	5.4756e+00	2e-02	5e-03	2e-15	4e-04
6:	5.4816e+00	5.4816e+00	8e-04	2e-04	2e-15	2e-05
7:	5.4819e+00	5.4819e+00	8e-06	3e-06	7e-16	2e-07
8:	5.4819e+00	5.4819e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7874e+00	4.7943e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7686e+00	7.7710e+00	2e+00	6e-01	1e-15	4e-02
3:	8.3232e+00	8.3239e+00	4e-01	1e-01	1e-15	9e-03
4:	8.4795e+00	8.4796e+00	6e-02	2e-02	1e-15	1e-03
5:	8.4912e+00	8.4912e+00	2e-02	6e-03	9e-15	4e-04
6:	8.4981e+00	8.4981e+00	1e-03	4e-04	1e-15	3e-05
7:	8.4986e+00	8.4986e+00	1e-05	5e-06	3e-15	4e-07
8:	8.4986e+00	8.4986e+00	1e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2528e+00	3.2541e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7910e+00	5.7916e+00	2e+00	6e-01	2e-15	5e-02
3:	6.2635e+00	6.2637e+00	4e-01	1e-01	1e-15	1e-02

4:	6.4345e+00	6.4345e+00	1e-01	4e-02	1e-15	3e-03
5:	6.4650e+00	6.4651e+00	3e-02	9e-03	2e-15	7e-04
6:	6.4753e+00	6.4753e+00	5e-03	2e-03	2e-15	1e-04
7:	6.4760e+00	6.4760e+00	2e-03	5e-04	8e-14	4e-05
8:	6.4766e+00	6.4766e+00	3e-05	9e-06	1e-14	7e-07
9:	6.4766e+00	6.4766e+00	3e-07	9e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1705e+00	6.1754e+00	7e+00	2e+00	4e-16	2e-01
2:	9.3878e+00	9.3890e+00	1e+00	3e-01	2e-15	3e-02
3:	9.7794e+00	9.7798e+00	3e-01	9e-02	2e-15	7e-03
4:	9.9061e+00	9.9062e+00	2e-02	8e-03	3e-15	6e-04
5:	9.9146e+00	9.9147e+00	3e-04	8e-05	4e-15	6e-06
6:	9.9147e+00	9.9147e+00	3e-06	8e-07	4e-15	6e-08
7:	9.9147e+00	9.9147e+00	3e-08	8e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4978e+00	3.5003e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0303e+00	6.0311e+00	1e+00	4e-01	2e-15	3e-02
3:	6.5078e+00	6.5081e+00	4e-01	1e-01	1e-15	9e-03
4:	6.6144e+00	6.6146e+00	1e-01	3e-02	3e-15	2e-03
5:	6.6455e+00	6.6455e+00	2e-02	8e-03	1e-15	6e-04
6:	6.6528e+00	6.6528e+00	4e-04	1e-04	4e-15	9e-06
7:	6.6529e+00	6.6529e+00	4e-06	1e-06	2e-15	9e-08
8:	6.6529e+00	6.6529e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7511e+00	5.7552e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0462e+00	8.0477e+00	2e+00	6e-01	7e-16	4e-02
3:	8.9485e+00	8.9488e+00	2e-01	8e-02	1e-15	6e-03
4:	9.0404e+00	9.0405e+00	6e-02	2e-02	4e-15	1e-03
5:	9.0588e+00	9.0588e+00	6e-03	2e-03	9e-15	1e-04
6:	9.0613e+00	9.0613e+00	6e-05	2e-05	2e-15	1e-06
7:	9.0613e+00	9.0613e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4401e+00	3.4376e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4160e+00	5.4149e+00	2e+00	5e-01	3e-15	4e-02
3:	6.1520e+00	6.1517e+00	3e-01	1e-01	2e-15	9e-03
4:	6.2996e+00	6.2996e+00	3e-02	1e-02	1e-15	9e-04
5:	6.3140e+00	6.3140e+00	2e-03	7e-04	5e-15	6e-05
6:	6.3147e+00	6.3147e+00	4e-04	1e-04	1e-13	1e-05
7:	6.3148e+00	6.3148e+00	6e-05	2e-05	9e-13	2e-06
8:	6.3148e+00	6.3148e+00	6e-07	2e-07	6e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9214e+00	5.9291e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3804e+00	9.3827e+00	1e+00	4e-01	9e-16	3e-02
3:	9.8188e+00	9.8194e+00	3e-01	1e-01	2e-15	7e-03
4:	9.9255e+00	9.9256e+00	6e-02	2e-02	3e-15	2e-03
5:	9.9424e+00	9.9424e+00	1e-02	3e-03	5e-15	3e-04
6:	9.9464e+00	9.9464e+00	4e-04	1e-04	6e-15	1e-05
7:	9.9465e+00	9.9465e+00	4e-06	1e-06	3e-15	1e-07
8:	9.9465e+00	9.9465e+00	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3986e+00	4.4012e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1181e+00	7.1190e+00	1e+00	5e-01	2e-15	3e-02
3:	7.6198e+00	7.6199e+00	2e-01	5e-02	1e-15	4e-03
4:	7.6808e+00	7.6809e+00	6e-02	2e-02	1e-15	1e-03
5:	7.7022e+00	7.7022e+00	8e-03	3e-03	3e-15	2e-04
6:	7.7054e+00	7.7054e+00	1e-04	4e-05	1e-14	3e-06
7:	7.7054e+00	7.7054e+00	1e-06	4e-07	8e-15	3e-08
8:	7.7054e+00	7.7054e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8074e+00	3.8110e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3893e+00	7.3903e+00	1e+00	3e-01	1e-15	2e-02
3:	7.6886e+00	7.6889e+00	3e-01	8e-02	2e-15	6e-03
4:	7.7483e+00	7.7484e+00	4e-02	1e-02	5e-15	1e-03
5:	7.7587e+00	7.7587e+00	8e-03	3e-03	5e-15	2e-04
6:	7.7615e+00	7.7615e+00	3e-04	8e-05	1e-14	6e-06
7:	7.7616e+00	7.7616e+00	3e-06	8e-07	1e-14	6e-08
8:	7.7616e+00	7.7616e+00	3e-08	8e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2814e+00	5.2810e+00	6e+00	2e+00	2e-16	2e-01
2:	8.7030e+00	8.7028e+00	1e+00	5e-01	2e-15	4e-02
3:	9.2491e+00	9.2491e+00	3e-01	8e-02	2e-15	7e-03
4:	9.3490e+00	9.3490e+00	5e-02	2e-02	2e-15	1e-03
5:	9.3578e+00	9.3578e+00	2e-02	6e-03	3e-14	5e-04
6:	9.3645e+00	9.3645e+00	3e-04	1e-04	5e-15	8e-06
7:	9.3646e+00	9.3646e+00	3e-06	1e-06	8e-15	8e-08
8:	9.3646e+00	9.3646e+00	3e-08	1e-08	7e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3607e+00	4.3599e+00	6e+00	2e+00	2e-16	2e-01

2:	6.8586e+00	6.8582e+00	1e+00	4e-01	8e-16	3e-02
3:	7.3009e+00	7.3008e+00	2e-01	8e-02	8e-16	6e-03
4:	7.3924e+00	7.3923e+00	5e-02	2e-02	7e-16	1e-03
5:	7.4105e+00	7.4105e+00	1e-03	3e-04	2e-15	2e-05
6:	7.4109e+00	7.4109e+00	1e-05	3e-06	8e-16	2e-07
7:	7.4109e+00	7.4109e+00	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5716e+00	3.5706e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3130e+00	6.3127e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6493e+00	6.6492e+00	4e-01	1e-01	1e-15	9e-03
4:	6.7342e+00	6.7342e+00	9e-02	3e-02	3e-15	2e-03
5:	6.7683e+00	6.7683e+00	2e-03	5e-04	9e-16	4e-05
6:	6.7689e+00	6.7689e+00	2e-05	5e-06	7e-16	4e-07
7:	6.7689e+00	6.7689e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1565e+00	4.1593e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1358e+00	7.1368e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5685e+00	7.5687e+00	3e-01	1e-01	9e-16	8e-03
4:	7.6696e+00	7.6696e+00	3e-02	1e-02	2e-15	8e-04
5:	7.6783e+00	7.6783e+00	3e-03	8e-04	3e-15	6e-05
6:	7.6790e+00	7.6790e+00	1e-03	3e-04	1e-15	3e-05
7:	7.6791e+00	7.6791e+00	5e-04	2e-04	9e-15	1e-05
8:	7.6793e+00	7.6793e+00	5e-06	2e-06	7e-16	1e-07
9:	7.6793e+00	7.6793e+00	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6283e+00	4.6415e+00	8e+00	3e+00	2e-16	2e-01
2:	6.9585e+00	6.9632e+00	2e+00	7e-01	1e-15	5e-02
3:	7.6768e+00	7.6781e+00	5e-01	1e-01	7e-16	1e-02
4:	7.8357e+00	7.8359e+00	8e-02	3e-02	2e-15	2e-03
5:	7.8575e+00	7.8576e+00	1e-02	4e-03	5e-15	3e-04
6:	7.8632e+00	7.8632e+00	7e-04	2e-04	2e-15	2e-05
7:	7.8634e+00	7.8634e+00	7e-06	2e-06	3e-15	2e-07
8:	7.8634e+00	7.8634e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4323e+00	4.4358e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5051e+00	6.5062e+00	1e+00	4e-01	2e-15	3e-02
3:	6.8762e+00	6.8765e+00	4e-01	1e-01	1e-15	8e-03
4:	7.0458e+00	7.0459e+00	7e-02	2e-02	1e-15	2e-03
5:	7.0659e+00	7.0659e+00	2e-02	7e-03	2e-15	5e-04
6:	7.0743e+00	7.0743e+00	2e-03	7e-04	2e-15	5e-05



7:	7.0750e+00	7.0750e+00	1e-04	4e-05	3e-14	3e-06
8:	7.0750e+00	7.0750e+00	1e-06	4e-07	6e-15	3e-08
9:	7.0750e+00	7.0750e+00	1e-08	4e-09	5e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6310e+00	5.6365e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5337e+00	9.5353e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9205e+00	9.9211e+00	3e-01	1e-01	2e-15	7e-03
4:	1.0041e+01	1.0041e+01	4e-02	1e-02	3e-15	9e-04
5:	1.0056e+01	1.0056e+01	6e-04	2e-04	4e-15	1e-05
6:	1.0056e+01	1.0056e+01	6e-06	2e-06	3e-15	1e-07
7:	1.0056e+01	1.0056e+01	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7115e+00	2.7091e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8515e+00	4.8506e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2289e+00	5.2286e+00	3e-01	1e-01	1e-15	9e-03
4:	5.3422e+00	5.3421e+00	9e-02	3e-02	2e-15	2e-03
5:	5.3641e+00	5.3640e+00	2e-02	7e-03	2e-15	6e-04
6:	5.3732e+00	5.3731e+00	3e-03	1e-03	1e-15	8e-05
7:	5.3741e+00	5.3741e+00	8e-05	3e-05	6e-15	2e-06
8:	5.3742e+00	5.3742e+00	8e-07	3e-07	3e-15	2e-08
9:	5.3742e+00	5.3742e+00	8e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7931e+00	5.7971e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2893e+00	9.2905e+00	1e+00	4e-01	1e-15	3e-02
3:	9.6155e+00	9.6158e+00	2e-01	6e-02	3e-15	4e-03
4:	9.6783e+00	9.6783e+00	5e-02	1e-02	8e-16	1e-03
5:	9.6961e+00	9.6961e+00	8e-04	2e-04	2e-15	2e-05
6:	9.6964e+00	9.6964e+00	8e-06	2e-06	1e-15	2e-07
7:	9.6964e+00	9.6964e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5246e+00	4.5239e+00	6e+00	2e+00	2e-16	2e-01
2:	7.7867e+00	7.7865e+00	1e+00	4e-01	2e-15	3e-02
3:	8.3153e+00	8.3153e+00	2e-01	6e-02	2e-15	5e-03
4:	8.3491e+00	8.3490e+00	4e-02	1e-02	2e-14	9e-04
5:	8.3643e+00	8.3643e+00	2e-03	8e-04	2e-15	6e-05
6:	8.3650e+00	8.3650e+00	3e-05	1e-05	7e-15	8e-07
7:	8.3650e+00	8.3650e+00	3e-07	1e-07	5e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	6.1304e+00	6.1375e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0918e+00	9.0946e+00	2e+00	6e-01	9e-16	4e-02
3:	9.7404e+00	9.7410e+00	4e-01	1e-01	6e-16	8e-03
4:	9.8616e+00	9.8616e+00	1e-02	4e-03	3e-15	3e-04
5:	9.8661e+00	9.8661e+00	1e-04	4e-05	1e-15	3e-06
6:	9.8661e+00	9.8661e+00	1e-06	4e-07	9e-16	3e-08
7:	9.8661e+00	9.8661e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3955e+00	6.3977e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2118e+00	9.2124e+00	1e+00	4e-01	3e-15	3e-02
3:	9.6926e+00	9.6928e+00	2e-01	8e-02	2e-15	6e-03
4:	9.7595e+00	9.7595e+00	4e-02	1e-02	3e-15	1e-03
5:	9.7734e+00	9.7734e+00	3e-03	9e-04	3e-15	7e-05
6:	9.7744e+00	9.7744e+00	3e-05	9e-06	2e-15	7e-07
7:	9.7744e+00	9.7744e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8313e+00	6.8325e+00	7e+00	2e+00	2e-16	2e-01
2:	9.9179e+00	9.9183e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0593e+01	1.0593e+01	3e-01	1e-01	2e-15	8e-03
4:	1.0719e+01	1.0719e+01	3e-02	1e-02	3e-15	8e-04
5:	1.0736e+01	1.0736e+01	5e-04	2e-04	2e-15	1e-05
6:	1.0736e+01	1.0736e+01	5e-06	2e-06	1e-15	1e-07
7:	1.0736e+01	1.0736e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7339e+00	5.7406e+00	8e+00	2e+00	2e-16	2e-01
2:	8.5322e+00	8.5360e+00	3e+00	1e+00	2e-15	7e-02
3:	9.5383e+00	9.5392e+00	7e-01	2e-01	1e-15	2e-02
4:	9.7435e+00	9.7437e+00	1e-01	4e-02	2e-15	3e-03
5:	9.7959e+00	9.7959e+00	2e-03	7e-04	9e-16	5e-05
6:	9.7968e+00	9.7968e+00	2e-05	7e-06	6e-16	5e-07
7:	9.7968e+00	9.7968e+00	2e-07	7e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4729e+00	6.4775e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9886e+00	9.9897e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0441e+01	1.0442e+01	2e-01	6e-02	2e-15	4e-03
4:	1.0506e+01	1.0506e+01	3e-02	8e-03	7e-15	6e-04
5:	1.0515e+01	1.0515e+01	6e-04	2e-04	1e-14	1e-05
6:	1.0515e+01	1.0515e+01	1e-04	4e-05	5e-15	3e-06
7:	1.0515e+01	1.0515e+01	5e-06	2e-06	2e-15	1e-07
8:	1.0515e+01	1.0515e+01	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1501e+00	5.1563e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3973e+00	8.3993e+00	1e+00	5e-01	1e-15	3e-02
3:	8.8623e+00	8.8628e+00	3e-01	1e-01	1e-15	8e-03
4:	9.0078e+00	9.0078e+00	3e-02	9e-03	1e-15	6e-04
5:	9.0154e+00	9.0154e+00	7e-03	2e-03	2e-14	2e-04
6:	9.0181e+00	9.0181e+00	7e-05	2e-05	2e-15	2e-06
7:	9.0181e+00	9.0181e+00	7e-07	2e-07	2e-15	2e-08
8:	9.0181e+00	9.0181e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1637e+00	3.1632e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7140e+00	5.7139e+00	1e+00	4e-01	2e-15	3e-02
3:	6.2728e+00	6.2728e+00	3e-01	9e-02	1e-15	7e-03
4:	6.3811e+00	6.3811e+00	4e-02	1e-02	3e-15	1e-03
5:	6.3933e+00	6.3933e+00	5e-03	1e-03	7e-15	1e-04
6:	6.3951e+00	6.3951e+00	5e-05	2e-05	1e-15	1e-06
7:	6.3951e+00	6.3951e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1044e+00	5.1090e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3735e+00	8.3749e+00	2e+00	5e-01	3e-15	4e-02
3:	9.0530e+00	9.0533e+00	2e-01	8e-02	1e-15	6e-03
4:	9.1305e+00	9.1306e+00	3e-02	1e-02	2e-14	8e-04
5:	9.1411e+00	9.1411e+00	1e-03	3e-04	2e-15	3e-05
6:	9.1414e+00	9.1414e+00	1e-05	3e-06	5e-15	3e-07
7:	9.1414e+00	9.1414e+00	1e-07	3e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6052e+00	5.6080e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5637e+00	8.5643e+00	9e-01	3e-01	1e-15	2e-02
3:	8.8857e+00	8.8858e+00	1e-01	4e-02	3e-15	3e-03
4:	8.9450e+00	8.9450e+00	3e-02	8e-03	1e-15	6e-04
5:	8.9559e+00	8.9559e+00	3e-04	9e-05	1e-15	7e-06
6:	8.9560e+00	8.9560e+00	3e-06	9e-07	1e-15	7e-08
7:	8.9560e+00	8.9560e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6069e+00	5.6117e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3866e+00	8.3887e+00	2e+00	7e-01	2e-15	5e-02
3:	9.0630e+00	9.0636e+00	4e-01	1e-01	2e-15	1e-02
4:	9.2487e+00	9.2488e+00	7e-02	2e-02	1e-15	2e-03

5:	9.2747e+00	9.2747e+00	1e-02	3e-03	2e-15	2e-04
6:	9.2779e+00	9.2779e+00	1e-04	3e-05	3e-15	3e-06
7:	9.2779e+00	9.2779e+00	1e-06	3e-07	3e-15	3e-08
8:	9.2779e+00	9.2779e+00	1e-08	3e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3147e+00	4.3211e+00	6e+00	2e+00	2e-16	1e-01
2:	6.3911e+00	6.3941e+00	2e+00	7e-01	6e-16	5e-02
3:	7.0287e+00	7.0293e+00	3e-01	1e-01	8e-16	7e-03
4:	7.1385e+00	7.1385e+00	2e-02	8e-03	2e-15	6e-04
5:	7.1487e+00	7.1487e+00	5e-04	2e-04	8e-16	1e-05
6:	7.1489e+00	7.1489e+00	5e-06	2e-06	7e-16	1e-07
7:	7.1489e+00	7.1489e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5182e+00	6.5261e+00	7e+00	2e+00	2e-16	1e-01
2:	9.0947e+00	9.0980e+00	2e+00	6e-01	1e-15	4e-02
3:	9.6084e+00	9.6093e+00	4e-01	1e-01	2e-15	9e-03
4:	9.7384e+00	9.7386e+00	1e-01	3e-02	3e-15	2e-03
5:	9.7653e+00	9.7654e+00	1e-02	4e-03	4e-15	3e-04
6:	9.7695e+00	9.7695e+00	1e-04	4e-05	6e-15	3e-06
7:	9.7696e+00	9.7696e+00	1e-06	4e-07	5e-15	3e-08
8:	9.7696e+00	9.7696e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0050e+00	4.0059e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2298e+00	6.2301e+00	1e+00	4e-01	1e-15	3e-02
3:	6.6480e+00	6.6481e+00	3e-01	8e-02	1e-15	7e-03
4:	6.7629e+00	6.7629e+00	4e-02	1e-02	8e-16	1e-03
5:	6.7773e+00	6.7773e+00	9e-03	3e-03	4e-15	2e-04
6:	6.7805e+00	6.7805e+00	1e-03	3e-04	1e-14	2e-05
7:	6.7809e+00	6.7809e+00	1e-05	4e-06	4e-15	3e-07
8:	6.7809e+00	6.7809e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0384e+00	5.0399e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2454e+00	7.2459e+00	2e+00	7e-01	1e-15	5e-02
3:	8.1047e+00	8.1049e+00	5e-01	2e-01	2e-15	1e-02
4:	8.3398e+00	8.3399e+00	1e-01	4e-02	1e-15	3e-03
5:	8.3742e+00	8.3742e+00	3e-02	1e-02	8e-15	8e-04
6:	8.3866e+00	8.3866e+00	2e-03	8e-04	1e-15	6e-05
7:	8.3873e+00	8.3873e+00	2e-05	8e-06	5e-15	6e-07
8:	8.3873e+00	8.3873e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8629e+00	5.8733e+00	8e+00	2e+00	2e-16	2e-01
2:	8.6463e+00	8.6493e+00	2e+00	5e-01	3e-15	4e-02
3:	9.3792e+00	9.3798e+00	3e-01	1e-01	1e-15	8e-03
4:	9.5368e+00	9.5369e+00	3e-02	1e-02	1e-15	8e-04
5:	9.5497e+00	9.5497e+00	1e-03	4e-04	3e-14	3e-05
6:	9.5503e+00	9.5503e+00	1e-05	5e-06	8e-15	3e-07
7:	9.5503e+00	9.5503e+00	1e-07	5e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5796e+00	5.5823e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2331e+00	8.2346e+00	2e+00	8e-01	1e-15	6e-02
3:	9.2468e+00	9.2472e+00	6e-01	2e-01	9e-16	1e-02
4:	9.4161e+00	9.4162e+00	2e-01	5e-02	3e-15	4e-03
5:	9.4876e+00	9.4876e+00	9e-03	3e-03	2e-15	2e-04
6:	9.4903e+00	9.4903e+00	2e-03	5e-04	2e-13	4e-05
7:	9.4910e+00	9.4910e+00	2e-05	5e-06	7e-15	4e-07
8:	9.4910e+00	9.4910e+00	2e-07	5e-08	1e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1239e+00	5.1252e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7606e+00	7.7610e+00	1e+00	4e-01	1e-15	3e-02
3:	8.2069e+00	8.2070e+00	3e-01	1e-01	2e-15	8e-03
4:	8.2988e+00	8.2989e+00	9e-02	3e-02	3e-15	2e-03
5:	8.3381e+00	8.3381e+00	2e-03	7e-04	9e-16	5e-05
6:	8.3391e+00	8.3391e+00	2e-05	7e-06	6e-16	5e-07
7:	8.3391e+00	8.3391e+00	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8064e+00	4.8110e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0058e+00	7.0074e+00	2e+00	5e-01	2e-15	4e-02
3:	7.6378e+00	7.6382e+00	3e-01	9e-02	1e-15	7e-03
4:	7.7337e+00	7.7338e+00	7e-02	2e-02	1e-15	2e-03
5:	7.7508e+00	7.7509e+00	7e-03	2e-03	3e-15	2e-04
6:	7.7528e+00	7.7528e+00	2e-03	7e-04	2e-15	5e-05
7:	7.7535e+00	7.7535e+00	3e-05	1e-05	2e-15	8e-07
8:	7.7535e+00	7.7535e+00	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4538e+00	5.4601e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4499e+00	8.4523e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9624e+00	8.9632e+00	3e-01	1e-01	2e-15	8e-03
4:	9.0939e+00	9.0940e+00	4e-02	1e-02	6e-16	9e-04

5:	9.1059e+00	9.1059e+00	2e-03	6e-04	1e-15	5e-05
6:	9.1065e+00	9.1065e+00	2e-05	6e-06	1e-15	5e-07
7:	9.1065e+00	9.1065e+00	2e-07	6e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4776e+00	3.4754e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5513e+00	6.5508e+00	8e-01	3e-01	3e-15	2e-02
3:	6.7737e+00	6.7735e+00	2e-01	7e-02	2e-15	6e-03
4:	6.8518e+00	6.8517e+00	5e-02	2e-02	8e-16	1e-03
5:	6.8630e+00	6.8630e+00	1e-02	4e-03	2e-14	3e-04
6:	6.8662e+00	6.8662e+00	6e-03	2e-03	6e-15	1e-04
7:	6.8682e+00	6.8682e+00	1e-04	4e-05	2e-15	3e-06
8:	6.8683e+00	6.8683e+00	1e-06	4e-07	1e-15	3e-08
9:	6.8683e+00	6.8683e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0396e+00	5.0406e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7419e+00	7.7424e+00	2e+00	5e-01	2e-15	4e-02
3:	8.3159e+00	8.3160e+00	2e-01	8e-02	7e-16	6e-03
4:	8.4114e+00	8.4114e+00	5e-03	1e-03	7e-16	1e-04
5:	8.4131e+00	8.4131e+00	5e-05	1e-05	7e-16	1e-06
6:	8.4131e+00	8.4131e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4981e+00	5.5050e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2380e+00	8.2397e+00	1e+00	4e-01	2e-15	3e-02
3:	8.7371e+00	8.7376e+00	3e-01	8e-02	9e-16	6e-03
4:	8.8221e+00	8.8221e+00	3e-02	1e-02	1e-15	7e-04
5:	8.8327e+00	8.8327e+00	4e-04	1e-04	3e-15	9e-06
6:	8.8328e+00	8.8328e+00	4e-06	1e-06	2e-15	9e-08
7:	8.8328e+00	8.8328e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6129e+00	6.6194e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0373e+01	1.0375e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0800e+01	1.0801e+01	4e-01	1e-01	2e-15	9e-03
4:	1.0972e+01	1.0972e+01	1e-01	3e-02	1e-15	2e-03
5:	1.0991e+01	1.0992e+01	2e-02	8e-03	2e-14	6e-04
6:	1.1000e+01	1.1000e+01	3e-04	1e-04	5e-15	7e-06
7:	1.1000e+01	1.1000e+01	3e-06	1e-06	6e-15	7e-08
8:	1.1000e+01	1.1000e+01	3e-08	1e-08	6e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.2210e+00	4.2247e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1565e+00	7.1577e+00	1e+00	4e-01	1e-15	3e-02
3:	7.5024e+00	7.5026e+00	2e-01	6e-02	1e-15	4e-03
4:	7.5709e+00	7.5709e+00	5e-02	1e-02	7e-16	1e-03
5:	7.5862e+00	7.5862e+00	3e-03	9e-04	3e-15	7e-05
6:	7.5873e+00	7.5873e+00	3e-05	9e-06	8e-16	7e-07
7:	7.5873e+00	7.5873e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5553e+00	5.5622e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4296e+00	8.4317e+00	2e+00	5e-01	2e-15	4e-02
3:	9.0559e+00	9.0563e+00	3e-01	9e-02	1e-15	6e-03
4:	9.1675e+00	9.1676e+00	5e-02	1e-02	1e-15	1e-03
5:	9.1853e+00	9.1854e+00	6e-03	2e-03	1e-15	2e-04
6:	9.1875e+00	9.1875e+00	7e-05	2e-05	3e-15	2e-06
7:	9.1875e+00	9.1875e+00	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0112e+00	5.0167e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9345e+00	7.9365e+00	2e+00	6e-01	1e-15	5e-02
3:	8.5866e+00	8.5871e+00	4e-01	1e-01	2e-15	1e-02
4:	8.6794e+00	8.6796e+00	1e-01	4e-02	4e-15	3e-03
5:	8.7330e+00	8.7331e+00	3e-02	9e-03	1e-15	7e-04
6:	8.7428e+00	8.7428e+00	1e-03	3e-04	4e-15	2e-05
7:	8.7432e+00	8.7432e+00	1e-05	3e-06	1e-15	2e-07
8:	8.7432e+00	8.7432e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7236e+00	5.7287e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9346e+00	7.9364e+00	1e+00	5e-01	1e-15	3e-02
3:	8.4457e+00	8.4464e+00	5e-01	1e-01	7e-16	1e-02
4:	8.6284e+00	8.6284e+00	6e-02	2e-02	6e-16	1e-03
5:	8.6468e+00	8.6468e+00	9e-03	3e-03	4e-15	2e-04
6:	8.6504e+00	8.6504e+00	9e-05	3e-05	1e-15	2e-06
7:	8.6504e+00	8.6504e+00	9e-07	3e-07	1e-15	2e-08
8:	8.6504e+00	8.6504e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5721e+00	4.5745e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1939e+00	7.1949e+00	2e+00	6e-01	1e-15	4e-02
3:	7.8257e+00	7.8260e+00	5e-01	2e-01	9e-16	1e-02
4:	7.9648e+00	7.9649e+00	1e-01	3e-02	2e-15	3e-03
5:	8.0062e+00	8.0062e+00	6e-03	2e-03	2e-15	1e-04
6:	8.0085e+00	8.0085e+00	6e-05	2e-05	1e-15	1e-06

7:	8.0085e+00	8.0085e+00	6e-07	2e-07	1e-15	1e-08
8:	8.0085e+00	8.0085e+00	6e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1286e+00	6.1373e+00	8e+00	2e+00	3e-16	2e-01
2:	9.5353e+00	9.5376e+00	1e+00	4e-01	3e-15	3e-02
3:	9.8905e+00	9.8912e+00	3e-01	1e-01	2e-15	7e-03
4:	9.9876e+00	9.9878e+00	1e-01	3e-02	1e-15	2e-03
5:	1.0016e+01	1.0016e+01	8e-03	3e-03	1e-15	2e-04
6:	1.0018e+01	1.0018e+01	8e-05	3e-05	2e-15	2e-06
7:	1.0018e+01	1.0018e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.4046e+00	3.4133e+00	8e+00	2e+00	2e-16	2e-01
2:	5.9938e+00	5.9961e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4745e+00	6.4752e+00	4e-01	1e-01	2e-15	9e-03
4:	6.5943e+00	6.5945e+00	8e-02	3e-02	7e-16	2e-03
5:	6.6192e+00	6.6192e+00	2e-02	5e-03	4e-15	4e-04
6:	6.6247e+00	6.6247e+00	1e-03	5e-04	2e-15	3e-05
7:	6.6252e+00	6.6252e+00	1e-05	5e-06	4e-15	3e-07
8:	6.6252e+00	6.6252e+00	1e-07	5e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1553e+00	7.1610e+00	6e+00	2e+00	2e-16	1e-01
2:	9.5732e+00	9.5754e+00	2e+00	5e-01	3e-15	4e-02
3:	9.9995e+00	1.0000e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0172e+01	1.0172e+01	1e-01	3e-02	2e-15	2e-03
5:	1.0194e+01	1.0194e+01	3e-02	1e-02	4e-15	8e-04
6:	1.0206e+01	1.0206e+01	3e-03	8e-04	3e-15	6e-05
7:	1.0207e+01	1.0207e+01	3e-05	9e-06	2e-14	7e-07
8:	1.0207e+01	1.0207e+01	3e-07	9e-08	9e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4517e+00	5.4557e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1802e+00	9.1815e+00	1e+00	4e-01	1e-15	3e-02
3:	9.4642e+00	9.4650e+00	7e-01	2e-01	2e-15	2e-02
4:	9.6081e+00	9.6090e+00	6e-01	2e-01	3e-15	1e-02
5:	9.7683e+00	9.7684e+00	7e-02	2e-02	3e-15	2e-03
6:	9.7750e+00	9.7751e+00	4e-02	1e-02	8e-15	9e-04
7:	9.7852e+00	9.7852e+00	4e-03	1e-03	5e-15	9e-05
8:	9.7863e+00	9.7863e+00	4e-05	1e-05	1e-14	1e-06
9:	9.7863e+00	9.7863e+00	4e-07	1e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5487e+00	5.5542e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9002e+00	8.9018e+00	1e+00	4e-01	8e-16	3e-02
3:	9.3443e+00	9.3446e+00	2e-01	6e-02	1e-15	4e-03
4:	9.4188e+00	9.4188e+00	3e-02	1e-02	1e-15	7e-04
5:	9.4296e+00	9.4296e+00	5e-04	2e-04	4e-15	1e-05
6:	9.4298e+00	9.4298e+00	5e-06	2e-06	2e-15	1e-07
7:	9.4298e+00	9.4298e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4652e+00	4.4703e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8490e+00	7.8507e+00	2e+00	5e-01	9e-16	4e-02
3:	8.2761e+00	8.2766e+00	4e-01	1e-01	2e-15	9e-03
4:	8.4082e+00	8.4083e+00	6e-02	2e-02	3e-15	1e-03
5:	8.4270e+00	8.4270e+00	2e-02	8e-03	1e-15	6e-04
6:	8.4366e+00	8.4366e+00	3e-04	9e-05	1e-15	6e-06
7:	8.4367e+00	8.4367e+00	3e-06	9e-07	6e-16	6e-08
8:	8.4367e+00	8.4367e+00	3e-08	9e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8714e+00	5.8759e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8395e+00	9.8407e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0085e+01	1.0085e+01	4e-01	1e-01	6e-15	9e-03
4:	1.0211e+01	1.0211e+01	9e-02	3e-02	5e-15	2e-03
5:	1.0241e+01	1.0241e+01	3e-02	8e-03	2e-15	6e-04
6:	1.0248e+01	1.0248e+01	6e-04	2e-04	3e-15	1e-05
7:	1.0248e+01	1.0248e+01	6e-06	2e-06	5e-15	1e-07
8:	1.0248e+01	1.0248e+01	6e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4076e+00	5.4121e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6985e+00	8.6999e+00	2e+00	5e-01	1e-15	4e-02
3:	9.2434e+00	9.2436e+00	3e-01	8e-02	2e-15	6e-03
4:	9.3320e+00	9.3321e+00	5e-02	2e-02	2e-15	1e-03
5:	9.3499e+00	9.3499e+00	1e-02	4e-03	7e-15	3e-04
6:	9.3534e+00	9.3534e+00	1e-03	4e-04	3e-14	3e-05
7:	9.3538e+00	9.3538e+00	6e-05	2e-05	1e-15	1e-06
8:	9.3539e+00	9.3539e+00	6e-07	2e-07	7e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.2653e+00	3.2761e+00	8e+00	2e+00	2e-16	2e-01
2:	5.6949e+00	5.6986e+00	2e+00	5e-01	1e-15	4e-02
3:	6.1419e+00	6.1428e+00	3e-01	1e-01	7e-16	8e-03
4:	6.2851e+00	6.2853e+00	7e-02	2e-02	5e-16	2e-03

5:	6.2993e+00	6.2994e+00	2e-02	7e-03	6e-15	5e-04
6:	6.3071e+00	6.3071e+00	5e-04	2e-04	2e-15	1e-05
7:	6.3073e+00	6.3073e+00	5e-06	2e-06	5e-15	1e-07
8:	6.3073e+00	6.3073e+00	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3202e+00	5.3266e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3190e+00	8.3216e+00	2e+00	6e-01	1e-15	5e-02
3:	8.9380e+00	8.9386e+00	3e-01	1e-01	1e-15	8e-03
4:	9.0537e+00	9.0538e+00	7e-02	2e-02	1e-15	2e-03
5:	9.0837e+00	9.0838e+00	7e-03	2e-03	2e-15	2e-04
6:	9.0865e+00	9.0865e+00	7e-05	2e-05	3e-15	2e-06
7:	9.0865e+00	9.0865e+00	7e-07	2e-07	2e-15	2e-08
8:	9.0865e+00	9.0865e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9455e+00	4.9582e+00	8e+00	3e+00	3e-16	2e-01
2:	7.0860e+00	7.0902e+00	2e+00	7e-01	1e-15	5e-02
3:	7.9525e+00	7.9536e+00	4e-01	1e-01	8e-16	9e-03
4:	8.0884e+00	8.0887e+00	9e-02	3e-02	8e-16	2e-03
5:	8.1101e+00	8.1102e+00	2e-02	8e-03	5e-15	6e-04
6:	8.1198e+00	8.1198e+00	2e-03	7e-04	1e-15	5e-05
7:	8.1206e+00	8.1206e+00	2e-05	7e-06	1e-15	5e-07
8:	8.1206e+00	8.1206e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8987e+00	5.9041e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5245e+00	8.5268e+00	2e+00	6e-01	9e-16	5e-02
3:	9.1545e+00	9.1551e+00	4e-01	1e-01	8e-16	1e-02
4:	9.3375e+00	9.3376e+00	1e-01	3e-02	1e-15	2e-03
5:	9.3748e+00	9.3748e+00	4e-03	1e-03	2e-15	1e-04
6:	9.3765e+00	9.3765e+00	4e-05	1e-05	2e-15	1e-06
7:	9.3765e+00	9.3765e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6963e+00	4.7005e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9883e+00	6.9896e+00	1e+00	4e-01	1e-15	3e-02
3:	7.4028e+00	7.4033e+00	4e-01	1e-01	1e-15	1e-02
4:	7.4928e+00	7.4931e+00	1e-01	5e-02	3e-15	4e-03
5:	7.5472e+00	7.5472e+00	1e-02	4e-03	8e-16	3e-04
6:	7.5513e+00	7.5513e+00	1e-04	4e-05	2e-15	3e-06
7:	7.5514e+00	7.5514e+00	1e-06	4e-07	1e-15	3e-08
8:	7.5514e+00	7.5514e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0539e+00	6.0571e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9865e+00	8.9876e+00	2e+00	6e-01	1e-15	5e-02
3:	9.7616e+00	9.7618e+00	3e-01	1e-01	2e-15	7e-03
4:	9.8521e+00	9.8521e+00	6e-02	2e-02	3e-15	1e-03
5:	9.8779e+00	9.8779e+00	3e-03	8e-04	7e-16	6e-05
6:	9.8789e+00	9.8789e+00	3e-05	8e-06	6e-16	6e-07
7:	9.8789e+00	9.8789e+00	3e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6033e+00	3.6103e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5629e+00	6.5653e+00	2e+00	6e-01	2e-15	4e-02
3:	7.1252e+00	7.1262e+00	5e-01	2e-01	3e-15	1e-02
4:	7.2936e+00	7.2937e+00	6e-02	2e-02	9e-16	1e-03
5:	7.3170e+00	7.3170e+00	2e-03	5e-04	7e-16	4e-05
6:	7.3175e+00	7.3175e+00	2e-05	5e-06	1e-15	4e-07
7:	7.3175e+00	7.3175e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7863e+00	6.7935e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0119e+01	1.0121e+01	2e+00	6e-01	1e-15	4e-02
3:	1.0754e+01	1.0754e+01	3e-01	8e-02	8e-16	6e-03
4:	1.0835e+01	1.0835e+01	6e-02	2e-02	2e-15	1e-03
5:	1.0860e+01	1.0860e+01	1e-02	4e-03	3e-15	3e-04
6:	1.0864e+01	1.0864e+01	3e-04	9e-05	1e-14	7e-06
7:	1.0864e+01	1.0864e+01	3e-06	9e-07	4e-15	7e-08
8:	1.0864e+01	1.0864e+01	3e-08	9e-09	5e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4743e+00	5.4781e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0343e+00	8.0356e+00	2e+00	5e-01	3e-15	4e-02
3:	8.7337e+00	8.7341e+00	3e-01	9e-02	8e-16	7e-03
4:	8.8424e+00	8.8424e+00	5e-02	2e-02	1e-15	1e-03
5:	8.8606e+00	8.8606e+00	1e-02	4e-03	2e-15	3e-04
6:	8.8644e+00	8.8644e+00	2e-03	8e-04	2e-14	6e-05
7:	8.8653e+00	8.8653e+00	3e-05	8e-06	4e-15	6e-07
8:	8.8654e+00	8.8654e+00	3e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0183e+00	6.0206e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9543e+00	8.9553e+00	2e+00	7e-01	2e-15	5e-02
3:	9.6941e+00	9.6942e+00	3e-01	9e-02	1e-15	7e-03
4:	9.7944e+00	9.7944e+00	5e-02	2e-02	2e-15	1e-03

5:	9.8199e+00	9.8199e+00	5e-03	2e-03	9e-16	1e-04
6:	9.8222e+00	9.8222e+00	6e-05	2e-05	4e-15	2e-06
7:	9.8222e+00	9.8222e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2344e+00	5.2406e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5608e+00	7.5629e+00	2e+00	5e-01	1e-15	4e-02
3:	8.2218e+00	8.2222e+00	3e-01	9e-02	1e-15	6e-03
4:	8.3525e+00	8.3526e+00	4e-02	1e-02	1e-15	9e-04
5:	8.3673e+00	8.3673e+00	1e-03	3e-04	3e-15	2e-05
6:	8.3676e+00	8.3676e+00	1e-05	3e-06	9e-16	2e-07
7:	8.3676e+00	8.3676e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8890e+00	4.9019e+00	8e+00	3e+00	2e-16	2e-01
2:	7.7284e+00	7.7318e+00	2e+00	5e-01	1e-15	3e-02
3:	8.1538e+00	8.1548e+00	4e-01	1e-01	9e-16	9e-03
4:	8.2894e+00	8.2897e+00	1e-01	3e-02	1e-15	2e-03
5:	8.3085e+00	8.3086e+00	5e-02	1e-02	2e-15	1e-03
6:	8.3237e+00	8.3238e+00	9e-03	3e-03	1e-15	2e-04
7:	8.3268e+00	8.3268e+00	1e-04	4e-05	2e-15	3e-06
8:	8.3269e+00	8.3269e+00	1e-06	4e-07	2e-15	3e-08
9:	8.3269e+00	8.3269e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9440e+00	4.9477e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2053e+00	8.2064e+00	1e+00	4e-01	1e-15	3e-02
3:	8.6586e+00	8.6589e+00	3e-01	8e-02	9e-16	6e-03
4:	8.7355e+00	8.7355e+00	4e-02	1e-02	4e-15	9e-04
5:	8.7521e+00	8.7521e+00	3e-03	1e-03	8e-16	8e-05
6:	8.7533e+00	8.7533e+00	3e-05	1e-05	1e-15	8e-07
7:	8.7533e+00	8.7533e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8177e+00	5.8254e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9167e+00	8.9205e+00	3e+00	8e-01	2e-15	6e-02
3:	9.5865e+00	9.5880e+00	8e-01	3e-01	1e-15	2e-02
4:	9.9036e+00	9.9039e+00	1e-01	5e-02	8e-16	3e-03
5:	9.9646e+00	9.9646e+00	1e-02	3e-03	9e-16	2e-04
6:	9.9678e+00	9.9678e+00	1e-03	4e-04	4e-14	3e-05
7:	9.9683e+00	9.9683e+00	1e-05	4e-06	3e-15	3e-07
8:	9.9683e+00	9.9683e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1626e+00	5.1653e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2795e+00	8.2804e+00	1e+00	4e-01	2e-15	3e-02
3:	8.6600e+00	8.6604e+00	4e-01	1e-01	3e-15	1e-02
4:	8.8034e+00	8.8035e+00	1e-01	4e-02	1e-15	3e-03
5:	8.8405e+00	8.8405e+00	1e-02	4e-03	3e-15	3e-04
6:	8.8447e+00	8.8447e+00	1e-04	4e-05	7e-16	3e-06
7:	8.8447e+00	8.8447e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3494e+00	6.3596e+00	8e+00	2e+00	3e-16	2e-01
2:	9.3385e+00	9.3417e+00	2e+00	5e-01	2e-15	3e-02
3:	9.7831e+00	9.7837e+00	3e-01	9e-02	1e-15	6e-03
4:	9.9072e+00	9.9073e+00	4e-02	1e-02	9e-16	8e-04
5:	9.9175e+00	9.9175e+00	1e-03	3e-04	6e-15	3e-05
6:	9.9179e+00	9.9179e+00	1e-05	3e-06	2e-15	3e-07
7:	9.9179e+00	9.9179e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4505e+00	2.4476e+00	5e+00	2e+00	2e-16	2e-01
2:	4.9637e+00	4.9622e+00	1e+00	4e-01	2e-15	4e-02
3:	5.3847e+00	5.3845e+00	2e-01	6e-02	9e-16	5e-03
4:	5.4516e+00	5.4516e+00	7e-03	2e-03	2e-15	2e-04
5:	5.4539e+00	5.4539e+00	7e-05	2e-05	1e-15	2e-06
6:	5.4539e+00	5.4539e+00	7e-07	2e-07	1e-15	2e-08
7:	5.4539e+00	5.4539e+00	7e-09	2e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3295e+00	6.3329e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8639e+00	9.8647e+00	1e+00	3e-01	1e-15	2e-02
3:	1.0121e+01	1.0121e+01	2e-01	8e-02	2e-15	6e-03
4:	1.0199e+01	1.0199e+01	6e-02	2e-02	4e-15	2e-03
5:	1.0217e+01	1.0217e+01	1e-02	4e-03	9e-15	3e-04
6:	1.0220e+01	1.0220e+01	1e-04	4e-05	1e-14	3e-06
7:	1.0221e+01	1.0221e+01	1e-06	4e-07	6e-15	3e-08
8:	1.0221e+01	1.0221e+01	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1362e+00	5.1441e+00	8e+00	2e+00	3e-16	2e-01
2:	8.9180e+00	8.9203e+00	2e+00	5e-01	9e-16	3e-02
3:	9.3015e+00	9.3021e+00	3e-01	1e-01	4e-15	7e-03
4:	9.3867e+00	9.3868e+00	8e-02	2e-02	2e-15	2e-03
5:	9.4122e+00	9.4122e+00	8e-03	3e-03	1e-15	2e-04
6:	9.4148e+00	9.4148e+00	9e-05	3e-05	2e-15	2e-06

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7:  9.4148e+00  9.4148e+00  9e-07  3e-07  2e-15  2e-08
8:  9.4148e+00  9.4148e+00  9e-09  3e-09  4e-14  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  4.6038e+00  4.6132e+00  7e+00  2e+00  2e-16  1e-01
2:  6.9972e+00  7.0012e+00  2e+00  7e-01  1e-15  5e-02
3:  7.6425e+00  7.6434e+00  4e-01  1e-01  8e-16  9e-03
4:  7.7955e+00  7.7956e+00  6e-02  2e-02  8e-16  1e-03
5:  7.8188e+00  7.8189e+00  1e-02  4e-03  1e-15  3e-04
6:  7.8215e+00  7.8215e+00  3e-03  1e-03  1e-14  8e-05
7:  7.8229e+00  7.8229e+00  4e-05  1e-05  1e-15  9e-07
8:  7.8229e+00  7.8229e+00  4e-07  1e-07  1e-15  9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.2551e+00  5.2559e+00  6e+00  2e+00  3e-16  2e-01
2:  7.5249e+00  7.5254e+00  2e+00  7e-01  2e-15  6e-02
3:  8.2220e+00  8.2222e+00  7e-01  2e-01  1e-15  2e-02
4:  8.3950e+00  8.3951e+00  3e-01  9e-02  2e-15  7e-03
5:  8.4813e+00  8.4814e+00  4e-02  1e-02  4e-15  1e-03
6:  8.4973e+00  8.4973e+00  5e-04  2e-04  9e-16  1e-05
7:  8.4975e+00  8.4975e+00  5e-06  2e-06  1e-15  1e-07
8:  8.4975e+00  8.4975e+00  5e-08  2e-08  7e-16  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  4.9257e+00  4.9319e+00  7e+00  2e+00  3e-16  2e-01
2:  7.9792e+00  7.9816e+00  2e+00  5e-01  2e-15  4e-02
3:  8.4284e+00  8.4294e+00  5e-01  1e-01  1e-15  1e-02
4:  8.6117e+00  8.6118e+00  6e-02  2e-02  7e-16  1e-03
5:  8.6264e+00  8.6264e+00  1e-02  4e-03  1e-14  3e-04
6:  8.6320e+00  8.6320e+00  2e-04  6e-05  2e-15  4e-06
7:  8.6321e+00  8.6321e+00  2e-06  6e-07  1e-15  4e-08
8:  8.6321e+00  8.6321e+00  2e-08  6e-09  2e-15  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.1025e+00  5.1064e+00  6e+00  2e+00  2e-16  2e-01
2:  8.1331e+00  8.1343e+00  1e+00  4e-01  1e-15  3e-02
3:  8.6327e+00  8.6330e+00  2e-01  7e-02  2e-15  6e-03
4:  8.7261e+00  8.7262e+00  4e-02  1e-02  1e-15  1e-03
5:  8.7401e+00  8.7401e+00  1e-03  4e-04  3e-15  3e-05
6:  8.7406e+00  8.7406e+00  1e-05  4e-06  1e-15  3e-07
7:  8.7406e+00  8.7406e+00  1e-07  4e-08  8e-16  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00

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1:	6.3238e+00	6.3259e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2057e+00	9.2067e+00	2e+00	6e-01	8e-16	5e-02
3:	9.8921e+00	9.8923e+00	4e-01	1e-01	1e-15	9e-03
4:	1.0005e+01	1.0005e+01	9e-02	3e-02	4e-15	2e-03
5:	1.0026e+01	1.0026e+01	3e-02	8e-03	3e-14	6e-04
6:	1.0037e+01	1.0037e+01	9e-04	3e-04	2e-15	2e-05
7:	1.0037e+01	1.0037e+01	9e-06	3e-06	3e-15	2e-07
8:	1.0037e+01	1.0037e+01	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1621e+00	7.1651e+00	6e+00	2e+00	3e-16	2e-01
2:	9.4241e+00	9.4251e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0305e+01	1.0305e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0461e+01	1.0461e+01	8e-02	3e-02	6e-15	2e-03
5:	1.0488e+01	1.0488e+01	9e-03	3e-03	7e-15	2e-04
6:	1.0491e+01	1.0491e+01	5e-04	2e-04	5e-14	1e-05
7:	1.0491e+01	1.0491e+01	5e-06	2e-06	3e-15	1e-07
8:	1.0491e+01	1.0491e+01	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7168e+00	5.7166e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9140e+00	8.9139e+00	1e+00	3e-01	2e-15	3e-02
3:	9.3187e+00	9.3187e+00	3e-01	8e-02	1e-15	6e-03
4:	9.4314e+00	9.4314e+00	5e-02	1e-02	2e-15	1e-03
5:	9.4511e+00	9.4511e+00	9e-04	3e-04	6e-15	2e-05
6:	9.4515e+00	9.4515e+00	9e-06	3e-06	3e-15	2e-07
7:	9.4515e+00	9.4515e+00	9e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1395e+00	7.1431e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6046e+00	9.6055e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0045e+01	1.0045e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0172e+01	1.0172e+01	7e-02	2e-02	2e-15	2e-03
5:	1.0201e+01	1.0201e+01	6e-03	2e-03	1e-15	1e-04
6:	1.0204e+01	1.0204e+01	6e-05	2e-05	4e-15	2e-06
7:	1.0204e+01	1.0204e+01	6e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8609e+00	5.8695e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5423e+00	8.5453e+00	2e+00	6e-01	1e-15	4e-02
3:	9.1139e+00	9.1144e+00	3e-01	8e-02	2e-15	6e-03
4:	9.2295e+00	9.2296e+00	4e-02	1e-02	1e-15	1e-03
5:	9.2386e+00	9.2387e+00	2e-02	5e-03	1e-14	4e-04
6:	9.2441e+00	9.2441e+00	2e-03	7e-04	2e-15	5e-05

7:	9.2448e+00	9.2448e+00	2e-05	8e-06	4e-15	6e-07
8:	9.2448e+00	9.2448e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0231e+00	6.0306e+00	7e+00	2e+00	4e-16	2e-01
2:	9.5322e+00	9.5343e+00	1e+00	4e-01	2e-15	3e-02
3:	9.8448e+00	9.8455e+00	3e-01	9e-02	2e-15	6e-03
4:	9.9143e+00	9.9145e+00	6e-02	2e-02	1e-15	2e-03
5:	9.9340e+00	9.9340e+00	2e-02	6e-03	2e-15	5e-04
6:	9.9385e+00	9.9385e+00	3e-03	1e-03	7e-15	8e-05
7:	9.9396e+00	9.9396e+00	4e-05	1e-05	1e-15	9e-07
8:	9.9396e+00	9.9396e+00	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9195e+00	5.9274e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9452e+00	8.9486e+00	2e+00	7e-01	2e-15	5e-02
3:	9.5526e+00	9.5536e+00	5e-01	2e-01	1e-15	1e-02
4:	9.6794e+00	9.6797e+00	1e-01	5e-02	3e-15	3e-03
5:	9.7432e+00	9.7433e+00	7e-03	2e-03	2e-15	2e-04
6:	9.7459e+00	9.7459e+00	7e-05	2e-05	2e-15	2e-06
7:	9.7459e+00	9.7459e+00	7e-07	2e-07	1e-15	2e-08
8:	9.7459e+00	9.7459e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0891e+00	5.0967e+00	8e+00	3e+00	3e-16	2e-01
2:	7.8016e+00	7.8044e+00	2e+00	7e-01	2e-15	5e-02
3:	8.6272e+00	8.6279e+00	5e-01	1e-01	2e-15	1e-02
4:	8.8199e+00	8.8201e+00	9e-02	3e-02	8e-16	2e-03
5:	8.8557e+00	8.8557e+00	5e-03	1e-03	4e-15	1e-04
6:	8.8577e+00	8.8577e+00	5e-05	1e-05	2e-15	1e-06
7:	8.8577e+00	8.8577e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1526e+00	6.1609e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6843e+00	8.6867e+00	2e+00	6e-01	1e-15	4e-02
3:	9.3024e+00	9.3028e+00	3e-01	9e-02	9e-16	6e-03
4:	9.4014e+00	9.4015e+00	4e-02	1e-02	2e-15	9e-04
5:	9.4224e+00	9.4225e+00	2e-03	5e-04	9e-16	4e-05
6:	9.4232e+00	9.4232e+00	2e-05	5e-06	1e-15	4e-07
7:	9.4232e+00	9.4232e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9203e+00	4.9308e+00	8e+00	3e+00	2e-16	2e-01



2:	8.2044e+00	8.2075e+00	1e+00	5e-01	6e-16	3e-02
3:	8.7351e+00	8.7360e+00	4e-01	1e-01	1e-15	8e-03
4:	8.8463e+00	8.8465e+00	8e-02	2e-02	2e-15	2e-03
5:	8.8633e+00	8.8634e+00	2e-02	5e-03	1e-14	4e-04
6:	8.8691e+00	8.8691e+00	2e-04	5e-05	1e-15	4e-06
7:	8.8692e+00	8.8692e+00	2e-06	5e-07	2e-15	4e-08
8:	8.8692e+00	8.8692e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5502e+00	5.5587e+00	8e+00	2e+00	3e-16	2e-01
2:	8.5540e+00	8.5563e+00	2e+00	5e-01	2e-15	3e-02
3:	9.2497e+00	9.2503e+00	3e-01	9e-02	1e-15	6e-03
4:	9.3312e+00	9.3313e+00	5e-02	2e-02	7e-15	1e-03
5:	9.3485e+00	9.3485e+00	8e-03	3e-03	5e-15	2e-04
6:	9.3518e+00	9.3518e+00	1e-03	4e-04	1e-15	3e-05
7:	9.3522e+00	9.3522e+00	1e-05	4e-06	5e-15	3e-07
8:	9.3522e+00	9.3522e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9320e+00	4.9422e+00	8e+00	2e+00	3e-16	2e-01
2:	7.5988e+00	7.6018e+00	2e+00	6e-01	2e-15	4e-02
3:	8.4378e+00	8.4385e+00	3e-01	1e-01	2e-15	7e-03
4:	8.5080e+00	8.5081e+00	6e-02	2e-02	2e-15	1e-03
5:	8.5301e+00	8.5301e+00	7e-03	2e-03	2e-15	2e-04
6:	8.5325e+00	8.5325e+00	8e-05	2e-05	2e-15	2e-06
7:	8.5326e+00	8.5326e+00	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3228e+00	5.3311e+00	8e+00	3e+00	3e-16	2e-01
2:	9.1493e+00	9.1518e+00	2e+00	6e-01	2e-15	4e-02
3:	9.6390e+00	9.6397e+00	4e-01	1e-01	2e-15	1e-02
4:	9.7998e+00	9.8000e+00	9e-02	3e-02	3e-15	2e-03
5:	9.8288e+00	9.8288e+00	1e-03	4e-04	2e-15	3e-05
6:	9.8292e+00	9.8292e+00	1e-05	4e-06	1e-15	3e-07
7:	9.8292e+00	9.8292e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	4.5336e+00	4.5546e+00	9e+00	3e+00	2e-16	2e-01
2:	7.3494e+00	7.3562e+00	2e+00	7e-01	2e-15	5e-02
3:	7.9512e+00	7.9527e+00	4e-01	1e-01	8e-16	9e-03
4:	8.0855e+00	8.0860e+00	1e-01	4e-02	9e-16	3e-03
5:	8.1112e+00	8.1114e+00	5e-02	2e-02	2e-15	1e-03
6:	8.1279e+00	8.1280e+00	2e-02	5e-03	1e-15	4e-04
7:	8.1315e+00	8.1316e+00	4e-03	1e-03	6e-15	9e-05

8:	8.1328e+00	8.1328e+00	4e-05	1e-05	1e-15	1e-06
9:	8.1329e+00	8.1329e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4162e+00	5.4188e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1383e+00	7.1393e+00	2e+00	6e-01	2e-15	4e-02
3:	7.7577e+00	7.7583e+00	7e-01	2e-01	8e-16	2e-02
4:	8.0317e+00	8.0318e+00	1e-01	4e-02	7e-16	3e-03
5:	8.0716e+00	8.0717e+00	3e-02	1e-02	1e-15	8e-04
6:	8.0803e+00	8.0803e+00	9e-03	3e-03	8e-15	2e-04
7:	8.0840e+00	8.0840e+00	7e-04	2e-04	3e-15	2e-05
8:	8.0842e+00	8.0842e+00	7e-06	2e-06	5e-15	2e-07
9:	8.0842e+00	8.0842e+00	7e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1980e+00	4.2020e+00	7e+00	2e+00	4e-16	2e-01
2:	7.6861e+00	7.6872e+00	1e+00	4e-01	2e-15	3e-02
3:	8.1908e+00	8.1911e+00	2e-01	7e-02	2e-15	5e-03
4:	8.2403e+00	8.2404e+00	4e-02	1e-02	7e-15	9e-04
5:	8.2555e+00	8.2555e+00	1e-03	3e-04	2e-15	3e-05
6:	8.2559e+00	8.2559e+00	1e-05	3e-06	2e-15	3e-07
7:	8.2559e+00	8.2559e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8174e+00	7.8191e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0997e+01	1.0998e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1505e+01	1.1506e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1630e+01	1.1630e+01	1e-01	4e-02	6e-15	3e-03
5:	1.1673e+01	1.1673e+01	3e-02	1e-02	2e-15	7e-04
6:	1.1683e+01	1.1683e+01	4e-04	1e-04	2e-15	9e-06
7:	1.1684e+01	1.1684e+01	4e-06	1e-06	1e-15	9e-08
8:	1.1684e+01	1.1684e+01	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8125e+00	4.8101e+00	6e+00	2e+00	3e-16	2e-01
2:	7.2402e+00	7.2394e+00	1e+00	4e-01	2e-15	3e-02
3:	7.7549e+00	7.7544e+00	5e-01	2e-01	1e-15	1e-02
4:	7.8791e+00	7.8788e+00	2e-01	5e-02	4e-15	4e-03
5:	7.9508e+00	7.9507e+00	3e-02	9e-03	8e-16	7e-04
6:	7.9532e+00	7.9532e+00	2e-02	6e-03	1e-14	5e-04
7:	7.9600e+00	7.9600e+00	4e-04	1e-04	1e-15	9e-06
8:	7.9601e+00	7.9601e+00	4e-06	1e-06	1e-15	9e-08
9:	7.9601e+00	7.9601e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1341e+00	5.1398e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5973e+00	7.5992e+00	2e+00	6e-01	9e-16	4e-02
3:	8.1525e+00	8.1531e+00	4e-01	1e-01	1e-15	1e-02
4:	8.3258e+00	8.3259e+00	7e-02	2e-02	8e-16	2e-03
5:	8.3453e+00	8.3454e+00	8e-03	3e-03	9e-15	2e-04
6:	8.3479e+00	8.3479e+00	5e-04	2e-04	1e-14	1e-05
7:	8.3481e+00	8.3481e+00	5e-06	2e-06	2e-15	1e-07
8:	8.3481e+00	8.3481e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8321e+00	3.8355e+00	6e+00	2e+00	2e-16	2e-01
2:	7.1274e+00	7.1285e+00	1e+00	3e-01	2e-15	3e-02
3:	7.4058e+00	7.4060e+00	2e-01	6e-02	1e-15	5e-03
4:	7.4814e+00	7.4814e+00	3e-02	9e-03	1e-15	7e-04
5:	7.4937e+00	7.4937e+00	2e-03	6e-04	1e-14	4e-05
6:	7.4943e+00	7.4943e+00	2e-05	6e-06	7e-14	5e-07
7:	7.4943e+00	7.4943e+00	2e-07	6e-08	4e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8727e+00	5.8770e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6932e+00	8.6948e+00	2e+00	6e-01	2e-15	4e-02
3:	9.4429e+00	9.4435e+00	3e-01	1e-01	6e-15	8e-03
4:	9.5435e+00	9.5436e+00	8e-02	3e-02	4e-15	2e-03
5:	9.5730e+00	9.5730e+00	7e-03	2e-03	6e-15	2e-04
6:	9.5755e+00	9.5755e+00	7e-05	2e-05	1e-15	2e-06
7:	9.5756e+00	9.5756e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.2916e+00	5.3035e+00	8e+00	2e+00	2e-16	2e-01
2:	8.6890e+00	8.6921e+00	2e+00	5e-01	2e-15	3e-02
3:	9.3828e+00	9.3836e+00	4e-01	1e-01	2e-15	8e-03
4:	9.5213e+00	9.5214e+00	4e-02	1e-02	3e-15	8e-04
5:	9.5353e+00	9.5353e+00	2e-03	8e-04	1e-14	6e-05
6:	9.5362e+00	9.5362e+00	2e-05	8e-06	1e-14	6e-07
7:	9.5362e+00	9.5362e+00	2e-07	8e-08	9e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.2796e+00	5.2906e+00	8e+00	3e+00	2e-16	2e-01
2:	8.6778e+00	8.6822e+00	2e+00	8e-01	2e-15	5e-02
3:	9.5340e+00	9.5352e+00	5e-01	2e-01	2e-15	1e-02
4:	9.7132e+00	9.7133e+00	6e-02	2e-02	2e-15	1e-03
5:	9.7402e+00	9.7402e+00	2e-03	6e-04	1e-15	4e-05

6:	9.7409e+00	9.7409e+00	2e-05	6e-06	7e-16	4e-07
7:	9.7409e+00	9.7409e+00	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1297e+00	6.1412e+00	8e+00	2e+00	2e-16	2e-01
2:	9.4922e+00	9.4955e+00	2e+00	5e-01	1e-15	4e-02
3:	9.8665e+00	9.8674e+00	3e-01	1e-01	2e-15	8e-03
4:	9.9809e+00	9.9811e+00	8e-02	3e-02	1e-15	2e-03
5:	1.0012e+01	1.0012e+01	2e-02	7e-03	1e-15	5e-04
6:	1.0020e+01	1.0020e+01	5e-03	1e-03	6e-15	1e-04
7:	1.0021e+01	1.0021e+01	1e-04	3e-05	2e-14	2e-06
8:	1.0021e+01	1.0021e+01	1e-06	3e-07	8e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7833e+00	4.7916e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5624e+00	6.5657e+00	2e+00	7e-01	9e-16	5e-02
3:	7.1551e+00	7.1560e+00	5e-01	2e-01	7e-16	1e-02
4:	7.3323e+00	7.3326e+00	1e-01	4e-02	7e-16	3e-03
5:	7.3753e+00	7.3754e+00	1e-02	4e-03	8e-16	3e-04
6:	7.3793e+00	7.3793e+00	1e-04	4e-05	2e-15	3e-06
7:	7.3793e+00	7.3793e+00	1e-06	4e-07	2e-15	3e-08
8:	7.3793e+00	7.3793e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5158e+00	5.5225e+00	8e+00	2e+00	2e-16	2e-01
2:	8.1366e+00	8.1378e+00	1e+00	3e-01	1e-15	2e-02
3:	8.5981e+00	8.5983e+00	1e-01	4e-02	7e-16	3e-03
4:	8.6442e+00	8.6443e+00	3e-02	1e-02	8e-16	8e-04
5:	8.6457e+00	8.6458e+00	2e-02	7e-03	6e-15	6e-04
6:	8.6550e+00	8.6550e+00	9e-04	3e-04	1e-15	2e-05
7:	8.6554e+00	8.6554e+00	9e-06	3e-06	2e-15	2e-07
8:	8.6554e+00	8.6554e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5407e+00	6.5439e+00	8e+00	2e+00	2e-16	2e-01
2:	9.5679e+00	9.5690e+00	2e+00	6e-01	2e-15	5e-02
3:	1.0039e+01	1.0039e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0226e+01	1.0226e+01	1e-01	4e-02	1e-15	3e-03
5:	1.0269e+01	1.0269e+01	2e-02	6e-03	3e-15	5e-04
6:	1.0278e+01	1.0278e+01	2e-04	8e-05	1e-15	6e-06
7:	1.0278e+01	1.0278e+01	2e-06	8e-07	9e-16	6e-08
8:	1.0278e+01	1.0278e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6588e+00	5.6609e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5274e+00	8.5280e+00	2e+00	5e-01	3e-15	4e-02
3:	9.0518e+00	9.0520e+00	3e-01	1e-01	2e-15	8e-03
4:	9.1928e+00	9.1929e+00	7e-02	2e-02	1e-15	2e-03
5:	9.2211e+00	9.2211e+00	9e-04	3e-04	1e-15	2e-05
6:	9.2215e+00	9.2215e+00	9e-06	3e-06	1e-15	2e-07
7:	9.2215e+00	9.2215e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6418e+00	4.6441e+00	6e+00	2e+00	2e-16	1e-01
2:	6.4685e+00	6.4700e+00	3e+00	9e-01	7e-16	7e-02
3:	7.1871e+00	7.1876e+00	5e-01	2e-01	8e-16	1e-02
4:	7.3691e+00	7.3692e+00	1e-01	3e-02	6e-16	2e-03
5:	7.4095e+00	7.4096e+00	1e-02	3e-03	1e-15	3e-04
6:	7.4131e+00	7.4131e+00	1e-04	4e-05	4e-15	3e-06
7:	7.4131e+00	7.4131e+00	1e-06	4e-07	2e-15	3e-08
8:	7.4131e+00	7.4131e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4571e+00	4.4603e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7909e+00	7.7921e+00	2e+00	5e-01	1e-15	4e-02
3:	8.3159e+00	8.3163e+00	3e-01	1e-01	2e-15	7e-03
4:	8.4186e+00	8.4186e+00	6e-02	2e-02	3e-15	1e-03
5:	8.4422e+00	8.4422e+00	8e-04	2e-04	1e-15	2e-05
6:	8.4425e+00	8.4425e+00	8e-06	2e-06	1e-15	2e-07
7:	8.4425e+00	8.4425e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3878e+00	5.3896e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0938e+00	7.0945e+00	2e+00	6e-01	2e-15	5e-02
3:	7.7983e+00	7.7987e+00	8e-01	2e-01	1e-15	2e-02
4:	8.0549e+00	8.0551e+00	2e-01	6e-02	2e-15	4e-03
5:	8.1148e+00	8.1148e+00	1e-02	4e-03	1e-15	3e-04
6:	8.1200e+00	8.1200e+00	1e-04	5e-05	8e-16	4e-06
7:	8.1200e+00	8.1200e+00	1e-06	5e-07	8e-16	4e-08
8:	8.1200e+00	8.1200e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2034e+00	7.2130e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0304e+01	1.0308e+01	2e+00	6e-01	2e-15	5e-02
3:	1.0871e+01	1.0873e+01	6e-01	2e-01	9e-16	1e-02
4:	1.1066e+01	1.1067e+01	2e-01	5e-02	1e-15	4e-03
5:	1.1101e+01	1.1101e+01	4e-02	1e-02	9e-15	1e-03

6:	1.1116e+01	1.1116e+01	6e-03	2e-03	2e-15	1e-04
7:	1.1118e+01	1.1118e+01	6e-05	2e-05	3e-15	2e-06
8:	1.1118e+01	1.1118e+01	6e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0499e+00	8.0561e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0212e+01	1.0215e+01	2e+00	7e-01	2e-15	5e-02
3:	1.0843e+01	1.0843e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1090e+01	1.1090e+01	6e-02	2e-02	1e-15	1e-03
5:	1.1106e+01	1.1106e+01	1e-02	4e-03	2e-14	3e-04
6:	1.1111e+01	1.1111e+01	1e-04	4e-05	6e-16	3e-06
7:	1.1111e+01	1.1111e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6682e+00	5.6803e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4575e+00	8.4613e+00	2e+00	6e-01	8e-16	4e-02
3:	9.2052e+00	9.2060e+00	3e-01	1e-01	9e-16	7e-03
4:	9.3304e+00	9.3304e+00	7e-03	2e-03	2e-15	1e-04
5:	9.3331e+00	9.3331e+00	7e-05	2e-05	6e-16	1e-06
6:	9.3331e+00	9.3331e+00	7e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5326e+00	7.5380e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0669e+01	1.0670e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1270e+01	1.1270e+01	2e-01	5e-02	1e-15	4e-03
4:	1.1327e+01	1.1327e+01	2e-02	7e-03	2e-14	6e-04
5:	1.1337e+01	1.1337e+01	2e-03	7e-04	2e-15	6e-05
6:	1.1337e+01	1.1337e+01	2e-05	7e-06	1e-14	6e-07
7:	1.1337e+01	1.1337e+01	2e-07	7e-08	8e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.4447e+00	6.4597e+00	8e+00	3e+00	2e-16	2e-01
2:	9.8602e+00	9.8657e+00	2e+00	7e-01	2e-15	4e-02
3:	1.0251e+01	1.0254e+01	9e-01	3e-01	2e-15	2e-02
4:	1.0539e+01	1.0540e+01	2e-01	8e-02	8e-16	6e-03
5:	1.0609e+01	1.0610e+01	4e-02	1e-02	2e-15	1e-03
6:	1.0626e+01	1.0626e+01	1e-03	5e-04	7e-16	4e-05
7:	1.0626e+01	1.0626e+01	1e-05	5e-06	5e-16	4e-07
8:	1.0626e+01	1.0626e+01	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9004e+00	6.9007e+00	6e+00	2e+00	2e-16	2e-01
2:	1.0328e+01	1.0328e+01	1e+00	4e-01	2e-15	3e-02

3:	1.0748e+01	1.0748e+01	3e-01	1e-01	3e-15	8e-03
4:	1.0872e+01	1.0872e+01	1e-01	3e-02	3e-15	2e-03
5:	1.0915e+01	1.0915e+01	9e-03	3e-03	8e-15	2e-04
6:	1.0919e+01	1.0919e+01	1e-04	3e-05	9e-15	3e-06
7:	1.0919e+01	1.0919e+01	1e-06	3e-07	9e-15	3e-08
8:	1.0919e+01	1.0919e+01	1e-08	3e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4402e+00	5.4473e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0601e+00	8.0639e+00	3e+00	8e-01	1e-15	6e-02
3:	8.9307e+00	8.9317e+00	6e-01	2e-01	9e-16	1e-02
4:	9.0834e+00	9.0837e+00	2e-01	5e-02	2e-15	4e-03
5:	9.1445e+00	9.1446e+00	3e-02	9e-03	1e-15	6e-04
6:	9.1538e+00	9.1538e+00	3e-04	9e-05	1e-15	7e-06
7:	9.1539e+00	9.1539e+00	3e-06	9e-07	1e-15	7e-08
8:	9.1539e+00	9.1539e+00	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1448e+00	5.1471e+00	7e+00	2e+00	2e-16	2e-01
2:	8.8049e+00	8.8057e+00	2e+00	5e-01	2e-15	4e-02
3:	9.4479e+00	9.4480e+00	2e-01	6e-02	2e-15	5e-03
4:	9.5053e+00	9.5053e+00	4e-02	1e-02	3e-14	9e-04
5:	9.5205e+00	9.5205e+00	4e-04	1e-04	9e-16	1e-05
6:	9.5207e+00	9.5207e+00	4e-06	1e-06	1e-15	1e-07
7:	9.5207e+00	9.5207e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9107e+00	5.9209e+00	8e+00	2e+00	3e-16	2e-01
2:	9.9511e+00	9.9545e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0530e+01	1.0531e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0710e+01	1.0710e+01	1e-01	3e-02	2e-15	2e-03
5:	1.0740e+01	1.0740e+01	2e-02	5e-03	1e-14	4e-04
6:	1.0747e+01	1.0747e+01	4e-04	1e-04	1e-15	1e-05
7:	1.0748e+01	1.0748e+01	4e-06	1e-06	3e-15	1e-07
8:	1.0748e+01	1.0748e+01	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5845e+00	5.5888e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7829e+00	8.7842e+00	1e+00	5e-01	1e-15	3e-02
3:	9.4594e+00	9.4597e+00	2e-01	8e-02	1e-15	6e-03
4:	9.5377e+00	9.5377e+00	4e-02	1e-02	5e-15	9e-04
5:	9.5522e+00	9.5522e+00	4e-03	1e-03	3e-14	9e-05
6:	9.5538e+00	9.5538e+00	2e-04	5e-05	3e-14	4e-06
7:	9.5538e+00	9.5538e+00	2e-06	5e-07	1e-13	4e-08

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8: 9.5538e+00 9.5538e+00 2e-08 5e-09 1e-13 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 7.0073e+00 7.0124e+00 7e+00 2e+00 2e-16 2e-01
2: 1.0850e+01 1.0852e+01 2e+00 6e-01 2e-15 4e-02
3: 1.1247e+01 1.1248e+01 7e-01 2e-01 3e-15 2e-02
4: 1.1537e+01 1.1537e+01 1e-01 3e-02 2e-15 3e-03
5: 1.1559e+01 1.1559e+01 3e-02 9e-03 2e-14 7e-04
6: 1.1570e+01 1.1570e+01 4e-04 1e-04 3e-15 9e-06
7: 1.1570e+01 1.1570e+01 4e-06 1e-06 3e-15 9e-08
8: 1.1570e+01 1.1570e+01 4e-08 1e-08 2e-15 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 6.0227e+00 6.0320e+00 8e+00 2e+00 3e-16 2e-01
2: 8.9326e+00 8.9375e+00 3e+00 1e+00 1e-15 7e-02
3: 9.9323e+00 9.9334e+00 6e-01 2e-01 8e-16 1e-02
4: 1.0120e+01 1.0121e+01 7e-02 2e-02 3e-15 2e-03
5: 1.0152e+01 1.0152e+01 2e-03 7e-04 1e-15 5e-05
6: 1.0153e+01 1.0153e+01 2e-05 7e-06 1e-15 5e-07
7: 1.0153e+01 1.0153e+01 2e-07 7e-08 9e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.7840e+00 6.7901e+00 7e+00 2e+00 3e-16 2e-01
2: 9.9147e+00 9.9176e+00 2e+00 8e-01 2e-15 6e-02
3: 1.0672e+01 1.0673e+01 4e-01 1e-01 1e-15 1e-02
4: 1.0840e+01 1.0840e+01 6e-02 2e-02 1e-15 1e-03
5: 1.0864e+01 1.0864e+01 1e-03 4e-04 2e-15 3e-05
6: 1.0865e+01 1.0865e+01 1e-05 4e-06 6e-16 3e-07
7: 1.0865e+01 1.0865e+01 1e-07 4e-08 7e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.5494e+00 5.5539e+00 7e+00 2e+00 3e-16 2e-01
2: 8.8291e+00 8.8304e+00 1e+00 4e-01 3e-15 3e-02
3: 9.3079e+00 9.3083e+00 3e-01 1e-01 1e-15 7e-03
4: 9.3789e+00 9.3791e+00 1e-01 4e-02 4e-15 3e-03
5: 9.4215e+00 9.4215e+00 1e-02 3e-03 2e-15 3e-04
6: 9.4260e+00 9.4260e+00 2e-04 5e-05 1e-15 4e-06
7: 9.4260e+00 9.4260e+00 2e-06 5e-07 1e-15 4e-08
8: 9.4260e+00 9.4260e+00 2e-08 5e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 7.3586e+00 7.3657e+00 7e+00 2e+00 3e-16 2e-01
2: 1.0485e+01 1.0487e+01 1e+00 4e-01 3e-15 3e-02

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3:	1.1038e+01	1.1039e+01	3e-01	1e-01	1e-15	8e-03
4:	1.1129e+01	1.1130e+01	6e-02	2e-02	8e-15	2e-03
5:	1.1154e+01	1.1154e+01	4e-03	1e-03	1e-15	1e-04
6:	1.1156e+01	1.1156e+01	4e-05	1e-05	2e-15	1e-06
7:	1.1156e+01	1.1156e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4982e+00	5.5121e+00	8e+00	3e+00	2e-16	2e-01
2:	9.5204e+00	9.5250e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0019e+01	1.0019e+01	3e-01	9e-02	1e-15	6e-03
4:	1.0112e+01	1.0112e+01	5e-02	2e-02	2e-15	1e-03
5:	1.0120e+01	1.0120e+01	2e-02	6e-03	3e-14	4e-04
6:	1.0126e+01	1.0126e+01	1e-03	5e-04	3e-15	4e-05
7:	1.0127e+01	1.0127e+01	2e-05	5e-06	3e-14	4e-07
8:	1.0127e+01	1.0127e+01	2e-07	5e-08	2e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0145e+00	6.0280e+00	8e+00	3e+00	2e-16	2e-01
2:	9.6032e+00	9.6071e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0593e+01	1.0593e+01	3e-01	9e-02	1e-15	6e-03
4:	1.0688e+01	1.0689e+01	7e-02	2e-02	6e-15	2e-03
5:	1.0719e+01	1.0719e+01	7e-03	2e-03	9e-15	2e-04
6:	1.0721e+01	1.0721e+01	2e-03	7e-04	4e-13	5e-05
7:	1.0722e+01	1.0722e+01	6e-05	2e-05	1e-14	1e-06
8:	1.0722e+01	1.0722e+01	6e-07	2e-07	6e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9569e+00	6.9655e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7467e+00	9.7485e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0196e+01	1.0197e+01	2e-01	6e-02	1e-15	4e-03
4:	1.0275e+01	1.0276e+01	4e-02	1e-02	1e-15	1e-03
5:	1.0292e+01	1.0292e+01	5e-03	2e-03	7e-15	1e-04
6:	1.0294e+01	1.0294e+01	6e-05	2e-05	5e-15	1e-06
7:	1.0294e+01	1.0294e+01	6e-07	2e-07	7e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5958e+00	7.5983e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1231e+01	1.1232e+01	2e+00	6e-01	2e-15	5e-02
3:	1.1780e+01	1.1780e+01	5e-01	1e-01	4e-15	1e-02
4:	1.1957e+01	1.1958e+01	8e-02	2e-02	3e-15	2e-03
5:	1.1982e+01	1.1982e+01	1e-02	3e-03	8e-15	3e-04
6:	1.1986e+01	1.1986e+01	2e-04	5e-05	2e-15	4e-06
7:	1.1986e+01	1.1986e+01	2e-06	5e-07	2e-15	4e-08
8:	1.1986e+01	1.1986e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8144e+00	5.8277e+00	8e+00	3e+00	3e-16	2e-01
2:	8.8962e+00	8.8998e+00	2e+00	6e-01	2e-15	4e-02
3:	9.6037e+00	9.6047e+00	4e-01	1e-01	1e-15	9e-03
4:	9.7651e+00	9.7652e+00	4e-02	1e-02	6e-16	9e-04
5:	9.7759e+00	9.7760e+00	1e-02	3e-03	2e-14	3e-04
6:	9.7803e+00	9.7803e+00	2e-04	6e-05	1e-14	4e-06
7:	9.7804e+00	9.7804e+00	2e-06	6e-07	2e-14	4e-08
8:	9.7804e+00	9.7804e+00	2e-08	6e-09	3e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1394e+00	5.1389e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6860e+00	7.6858e+00	1e+00	3e-01	2e-15	2e-02
3:	8.1381e+00	8.1380e+00	1e-01	4e-02	1e-15	3e-03
4:	8.1809e+00	8.1809e+00	2e-02	5e-03	3e-15	4e-04
5:	8.1858e+00	8.1858e+00	2e-03	6e-04	9e-15	5e-05
6:	8.1865e+00	8.1865e+00	2e-05	7e-06	2e-15	6e-07
7:	8.1865e+00	8.1865e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2872e+00	6.2929e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5094e+00	9.5115e+00	2e+00	5e-01	3e-15	4e-02
3:	9.8382e+00	9.8390e+00	6e-01	2e-01	2e-15	1e-02
4:	9.9751e+00	9.9753e+00	1e-01	4e-02	2e-15	3e-03
5:	1.0018e+01	1.0018e+01	4e-02	1e-02	9e-16	1e-03
6:	1.0029e+01	1.0029e+01	4e-03	1e-03	3e-15	1e-04
7:	1.0031e+01	1.0031e+01	4e-05	1e-05	7e-16	1e-06
8:	1.0031e+01	1.0031e+01	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5909e+00	7.5965e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1074e+01	1.1076e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1453e+01	1.1454e+01	4e-01	1e-01	5e-15	9e-03
4:	1.1609e+01	1.1610e+01	1e-01	4e-02	2e-15	3e-03
5:	1.1645e+01	1.1645e+01	1e-02	5e-03	7e-15	4e-04
6:	1.1651e+01	1.1651e+01	3e-04	9e-05	7e-16	7e-06
7:	1.1651e+01	1.1651e+01	3e-06	9e-07	2e-15	7e-08
8:	1.1651e+01	1.1651e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2056e+00	7.2105e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0046e+01	1.0047e+01	2e+00	5e-01	1e-15	4e-02

3:	1.0848e+01	1.0849e+01	3e-01	1e-01	2e-15	7e-03
4:	1.0982e+01	1.0982e+01	1e-02	5e-03	1e-15	3e-04
5:	1.0985e+01	1.0985e+01	6e-03	2e-03	6e-14	1e-04
6:	1.0988e+01	1.0988e+01	7e-05	2e-05	2e-15	2e-06
7:	1.0988e+01	1.0988e+01	7e-07	2e-07	9e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1684e+00	5.1750e+00	8e+00	2e+00	2e-16	2e-01
2:	8.9746e+00	8.9769e+00	2e+00	6e-01	2e-15	4e-02
3:	9.4234e+00	9.4242e+00	5e-01	2e-01	2e-15	1e-02
4:	9.6288e+00	9.6289e+00	3e-02	1e-02	1e-15	8e-04
5:	9.6362e+00	9.6363e+00	1e-02	3e-03	2e-14	3e-04
6:	9.6401e+00	9.6401e+00	1e-04	4e-05	1e-15	3e-06
7:	9.6402e+00	9.6402e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5712e+00	6.5737e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9774e+00	9.9783e+00	1e+00	5e-01	2e-15	3e-02
3:	1.0445e+01	1.0445e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0545e+01	1.0545e+01	9e-03	3e-03	2e-15	2e-04
5:	1.0548e+01	1.0548e+01	9e-05	3e-05	2e-15	2e-06
6:	1.0548e+01	1.0548e+01	9e-07	3e-07	3e-15	2e-08
7:	1.0548e+01	1.0548e+01	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4499e+00	5.4525e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0865e+00	8.0874e+00	2e+00	5e-01	3e-15	4e-02
3:	8.6947e+00	8.6949e+00	4e-01	1e-01	3e-15	1e-02
4:	8.9148e+00	8.9149e+00	3e-02	1e-02	2e-15	8e-04
5:	8.9282e+00	8.9282e+00	4e-04	1e-04	2e-15	1e-05
6:	8.9283e+00	8.9283e+00	4e-06	1e-06	2e-15	1e-07
7:	8.9283e+00	8.9283e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3891e+00	5.3979e+00	8e+00	3e+00	4e-16	2e-01
2:	7.5902e+00	7.5928e+00	2e+00	6e-01	2e-15	4e-02
3:	8.3985e+00	8.3995e+00	6e-01	2e-01	1e-15	1e-02
4:	8.5675e+00	8.5678e+00	1e-01	5e-02	1e-15	3e-03
5:	8.6052e+00	8.6052e+00	3e-02	1e-02	4e-15	7e-04
6:	8.6180e+00	8.6180e+00	1e-03	4e-04	6e-16	3e-05
7:	8.6184e+00	8.6184e+00	1e-05	4e-06	1e-15	3e-07
8:	8.6184e+00	8.6184e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0816e+00	6.0915e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4079e+00	9.4107e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9031e+00	9.9034e+00	1e-01	4e-02	8e-16	3e-03
4:	9.9454e+00	9.9455e+00	2e-02	6e-03	1e-15	5e-04
5:	9.9534e+00	9.9534e+00	2e-03	6e-04	2e-15	5e-05
6:	9.9541e+00	9.9541e+00	2e-05	6e-06	1e-15	5e-07
7:	9.9541e+00	9.9541e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8252e+00	5.8337e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9041e+00	8.9068e+00	2e+00	5e-01	2e-15	4e-02
3:	9.3283e+00	9.3291e+00	3e-01	1e-01	4e-15	7e-03
4:	9.4329e+00	9.4332e+00	7e-02	2e-02	1e-15	2e-03
5:	9.4559e+00	9.4559e+00	9e-04	3e-04	5e-16	2e-05
6:	9.4563e+00	9.4563e+00	9e-06	3e-06	5e-16	2e-07
7:	9.4563e+00	9.4563e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8200e+00	5.8187e+00	6e+00	2e+00	3e-16	2e-01
2:	8.9751e+00	8.9746e+00	2e+00	5e-01	2e-15	4e-02
3:	9.5366e+00	9.5365e+00	3e-01	1e-01	3e-15	9e-03
4:	9.6554e+00	9.6553e+00	7e-02	2e-02	8e-15	2e-03
5:	9.6846e+00	9.6846e+00	1e-02	3e-03	5e-15	3e-04
6:	9.6884e+00	9.6884e+00	5e-04	2e-04	5e-14	1e-05
7:	9.6886e+00	9.6886e+00	5e-06	2e-06	6e-15	1e-07
8:	9.6886e+00	9.6886e+00	5e-08	2e-08	8e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1282e+00	6.1285e+00	6e+00	2e+00	3e-16	2e-01
2:	9.1740e+00	9.1741e+00	2e+00	5e-01	2e-15	4e-02
3:	9.5978e+00	9.5978e+00	4e-01	1e-01	3e-15	1e-02
4:	9.7969e+00	9.7969e+00	6e-02	2e-02	9e-16	2e-03
5:	9.8255e+00	9.8255e+00	8e-04	3e-04	6e-16	2e-05
6:	9.8259e+00	9.8259e+00	8e-06	3e-06	9e-16	2e-07
7:	9.8259e+00	9.8259e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2776e+00	7.2825e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0279e+01	1.0280e+01	1e+00	5e-01	1e-15	3e-02
3:	1.0822e+01	1.0822e+01	3e-01	9e-02	1e-15	6e-03
4:	1.0921e+01	1.0921e+01	4e-02	1e-02	2e-15	1e-03
5:	1.0930e+01	1.0930e+01	1e-02	3e-03	3e-14	3e-04
6:	1.0934e+01	1.0934e+01	1e-03	4e-04	3e-15	3e-05

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7:  1.0935e+01  1.0935e+01  1e-05  4e-06  1e-14  3e-07
8:  1.0935e+01  1.0935e+01  1e-07  4e-08  1e-14  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.6820e+00  5.6844e+00  7e+00  2e+00  2e-16  2e-01
2:  8.7540e+00  8.7548e+00  2e+00  5e-01  1e-15  4e-02
3:  9.3390e+00  9.3392e+00  3e-01  9e-02  2e-15  7e-03
4:  9.4507e+00  9.4508e+00  5e-02  2e-02  3e-15  1e-03
5:  9.4692e+00  9.4692e+00  4e-03  1e-03  6e-15  9e-05
6:  9.4697e+00  9.4697e+00  2e-03  7e-04  2e-13  5e-05
7:  9.4705e+00  9.4705e+00  1e-04  5e-05  2e-14  4e-06
8:  9.4706e+00  9.4706e+00  2e-06  5e-07  2e-13  4e-08
9:  9.4706e+00  9.4706e+00  2e-08  5e-09  2e-13  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  4.7883e+00  4.7976e+00  7e+00  2e+00  2e-16  2e-01
2:  6.8625e+00  6.8654e+00  2e+00  5e-01  3e-15  4e-02
3:  7.3689e+00  7.3696e+00  3e-01  1e-01  8e-16  8e-03
4:  7.4915e+00  7.4916e+00  3e-02  1e-02  1e-15  8e-04
5:  7.5022e+00  7.5023e+00  4e-03  1e-03  1e-15  1e-04
6:  7.5039e+00  7.5039e+00  2e-04  7e-05  6e-16  5e-06
7:  7.5040e+00  7.5040e+00  2e-06  7e-07  7e-16  5e-08
8:  7.5040e+00  7.5040e+00  2e-08  7e-09  8e-16  5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  6.8319e+00  6.8408e+00  7e+00  2e+00  3e-16  2e-01
2:  9.7514e+00  9.7544e+00  2e+00  5e-01  1e-15  4e-02
3:  1.0389e+01  1.0390e+01  4e-01  1e-01  1e-15  8e-03
4:  1.0520e+01  1.0520e+01  3e-02  8e-03  2e-15  6e-04
5:  1.0528e+01  1.0528e+01  3e-03  8e-04  2e-15  6e-05
6:  1.0529e+01  1.0529e+01  5e-04  2e-04  8e-16  1e-05
7:  1.0529e+01  1.0529e+01  9e-06  3e-06  4e-15  2e-07
8:  1.0529e+01  1.0529e+01  9e-08  3e-08  1e-15  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  5.6070e+00  5.6146e+00  8e+00  2e+00  3e-16  2e-01
2:  9.0402e+00  9.0436e+00  2e+00  7e-01  1e-15  5e-02
3:  9.6940e+00  9.6948e+00  5e-01  2e-01  1e-15  1e-02
4:  9.8950e+00  9.8952e+00  8e-02  2e-02  2e-15  2e-03
5:  9.9217e+00  9.9217e+00  1e-02  4e-03  5e-15  3e-04
6:  9.9260e+00  9.9260e+00  1e-04  4e-05  4e-15  3e-06
7:  9.9261e+00  9.9261e+00  1e-06  4e-07  3e-15  3e-08
8:  9.9261e+00  9.9261e+00  1e-08  4e-09  8e-15  3e-10
Optimal solution found.

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	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0148e+00	3.0143e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3842e+00	5.3840e+00	2e+00	5e-01	3e-15	4e-02
3:	5.7753e+00	5.7752e+00	5e-01	2e-01	3e-15	1e-02
4:	5.9250e+00	5.9250e+00	2e-01	7e-02	1e-15	5e-03
5:	5.9603e+00	5.9603e+00	5e-02	2e-02	2e-15	1e-03
6:	5.9788e+00	5.9788e+00	9e-03	3e-03	1e-15	2e-04
7:	5.9816e+00	5.9816e+00	1e-04	5e-05	3e-15	4e-06
8:	5.9816e+00	5.9816e+00	1e-06	5e-07	1e-15	4e-08
9:	5.9816e+00	5.9816e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.2684e+00	4.2864e+00	8e+00	3e+00	3e-16	2e-01
2:	6.5651e+00	6.5736e+00	3e+00	9e-01	8e-16	6e-02
3:	7.1572e+00	7.1586e+00	5e-01	1e-01	1e-15	1e-02
4:	7.3282e+00	7.3285e+00	7e-02	2e-02	8e-16	2e-03
5:	7.3356e+00	7.3358e+00	4e-02	1e-02	6e-15	9e-04
6:	7.3474e+00	7.3474e+00	6e-03	2e-03	1e-15	2e-04
7:	7.3494e+00	7.3494e+00	2e-04	5e-05	2e-15	4e-06
8:	7.3494e+00	7.3494e+00	2e-06	5e-07	2e-15	4e-08
9:	7.3494e+00	7.3494e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5436e+00	7.5470e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1004e+01	1.1005e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1440e+01	1.1440e+01	3e-01	1e-01	2e-15	7e-03
4:	1.1507e+01	1.1507e+01	9e-02	3e-02	9e-15	2e-03
5:	1.1546e+01	1.1546e+01	1e-02	4e-03	2e-15	3e-04
6:	1.1551e+01	1.1551e+01	2e-04	5e-05	3e-15	4e-06
7:	1.1551e+01	1.1551e+01	2e-06	5e-07	3e-15	4e-08
8:	1.1551e+01	1.1551e+01	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3741e+00	7.3759e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0698e+01	1.0698e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1161e+01	1.1161e+01	3e-01	9e-02	5e-15	7e-03
4:	1.1235e+01	1.1235e+01	5e-02	2e-02	5e-15	1e-03
5:	1.1256e+01	1.1256e+01	3e-03	8e-04	2e-15	6e-05
6:	1.1257e+01	1.1257e+01	3e-05	8e-06	2e-15	6e-07
7:	1.1257e+01	1.1257e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3563e+00	7.3673e+00	7e+00	2e+00	2e-16	2e-01

2:	9.6806e+00	9.6847e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0269e+01	1.0271e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0487e+01	1.0487e+01	9e-02	3e-02	9e-16	2e-03
5:	1.0511e+01	1.0511e+01	2e-02	7e-03	1e-14	5e-04
6:	1.0520e+01	1.0520e+01	4e-04	1e-04	2e-15	9e-06
7:	1.0520e+01	1.0520e+01	4e-06	1e-06	2e-15	9e-08
8:	1.0520e+01	1.0520e+01	4e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7750e+00	5.7776e+00	6e+00	2e+00	3e-16	2e-01
2:	8.3698e+00	8.3706e+00	1e+00	5e-01	3e-15	4e-02
3:	8.8006e+00	8.8009e+00	4e-01	1e-01	2e-15	9e-03
4:	8.9730e+00	8.9731e+00	7e-02	2e-02	1e-15	2e-03
5:	8.9959e+00	8.9959e+00	5e-03	2e-03	7e-15	1e-04
6:	8.9980e+00	8.9980e+00	5e-05	2e-05	2e-15	1e-06
7:	8.9980e+00	8.9980e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0202e+00	6.0309e+00	8e+00	2e+00	3e-16	2e-01
2:	8.6260e+00	8.6295e+00	2e+00	6e-01	2e-15	4e-02
3:	9.0710e+00	9.0721e+00	5e-01	2e-01	2e-15	1e-02
4:	9.2262e+00	9.2267e+00	2e-01	5e-02	1e-15	4e-03
5:	9.2798e+00	9.2798e+00	1e-02	4e-03	9e-16	3e-04
6:	9.2832e+00	9.2832e+00	5e-04	2e-04	3e-15	1e-05
7:	9.2833e+00	9.2833e+00	5e-06	2e-06	7e-16	1e-07
8:	9.2833e+00	9.2833e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9369e+00	4.9396e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0172e+00	8.0182e+00	2e+00	6e-01	3e-15	4e-02
3:	8.6463e+00	8.6465e+00	3e-01	1e-01	2e-15	8e-03
4:	8.7742e+00	8.7743e+00	4e-02	1e-02	3e-15	1e-03
5:	8.7908e+00	8.7908e+00	1e-03	4e-04	3e-15	3e-05
6:	8.7913e+00	8.7913e+00	1e-05	4e-06	1e-15	3e-07
7:	8.7913e+00	8.7913e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6334e+00	5.6422e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6532e+00	8.6555e+00	1e+00	4e-01	2e-15	3e-02
3:	9.1485e+00	9.1490e+00	2e-01	8e-02	1e-15	6e-03
4:	9.2279e+00	9.2281e+00	5e-02	1e-02	2e-15	1e-03
5:	9.2473e+00	9.2473e+00	1e-03	4e-04	3e-15	3e-05
6:	9.2478e+00	9.2478e+00	1e-05	4e-06	1e-14	3e-07
7:	9.2478e+00	9.2478e+00	1e-07	4e-08	9e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7175e+00	3.7169e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4789e+00	6.4786e+00	2e+00	6e-01	2e-15	5e-02
3:	7.0868e+00	7.0867e+00	3e-01	1e-01	9e-16	8e-03
4:	7.2177e+00	7.2177e+00	2e-02	6e-03	7e-16	5e-04
5:	7.2254e+00	7.2254e+00	2e-04	6e-05	6e-16	5e-06
6:	7.2255e+00	7.2255e+00	2e-06	6e-07	7e-16	5e-08
7:	7.2255e+00	7.2255e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9075e+00	6.9160e+00	8e+00	2e+00	2e-16	2e-01
2:	9.6903e+00	9.6932e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0643e+01	1.0645e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0840e+01	1.0840e+01	5e-02	1e-02	1e-15	1e-03
5:	1.0859e+01	1.0859e+01	1e-03	5e-04	2e-15	4e-05
6:	1.0860e+01	1.0860e+01	3e-04	9e-05	1e-12	7e-06
7:	1.0860e+01	1.0860e+01	9e-05	3e-05	4e-13	2e-06
8:	1.0860e+01	1.0860e+01	1e-06	3e-07	5e-13	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6859e+00	5.6936e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7753e+00	8.7775e+00	2e+00	5e-01	3e-15	4e-02
3:	9.3043e+00	9.3049e+00	4e-01	1e-01	2e-15	9e-03
4:	9.4423e+00	9.4425e+00	6e-02	2e-02	7e-15	1e-03
5:	9.4630e+00	9.4631e+00	1e-02	4e-03	2e-15	3e-04
6:	9.4669e+00	9.4669e+00	1e-04	4e-05	3e-15	3e-06
7:	9.4669e+00	9.4669e+00	1e-06	4e-07	2e-15	3e-08
8:	9.4669e+00	9.4669e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6417e+00	5.6603e+00	9e+00	3e+00	2e-16	2e-01
2:	8.8977e+00	8.9027e+00	2e+00	6e-01	3e-15	4e-02
3:	9.6121e+00	9.6143e+00	6e-01	2e-01	1e-15	1e-02
4:	9.7634e+00	9.7638e+00	9e-02	3e-02	1e-15	2e-03
5:	9.7895e+00	9.7896e+00	2e-02	7e-03	4e-15	5e-04
6:	9.7963e+00	9.7963e+00	1e-03	4e-04	6e-15	3e-05
7:	9.7968e+00	9.7968e+00	1e-05	4e-06	1e-15	3e-07
8:	9.7968e+00	9.7968e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5484e+00	5.5547e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6645e+00	8.6673e+00	2e+00	7e-01	1e-15	5e-02



3:	9.4116e+00	9.4127e+00	6e-01	2e-01	3e-15	1e-02
4:	9.5771e+00	9.5775e+00	1e-01	4e-02	4e-15	3e-03
5:	9.6209e+00	9.6210e+00	3e-02	8e-03	3e-15	6e-04
6:	9.6305e+00	9.6305e+00	4e-04	1e-04	1e-15	1e-05
7:	9.6306e+00	9.6306e+00	4e-06	1e-06	2e-15	1e-07
8:	9.6306e+00	9.6306e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9162e-01	5.8827e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9588e-01	7e-01	2e-01	1e-15	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7372e-01	6.7063e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9698e-01	9.9671e-01	2e-01	5e-02	2e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7883e-01	7.7746e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9780e-01	9.9777e-01	6e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1188e-01	6.0853e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9696e-01	9.9609e-01	4e-01	1e-01	8e-16	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	3e-16	1e-08
6:	1.0000e+00	1.0000e+00	4e-09	1e-09	2e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5013e-01	6.4689e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9647e-01	2e-01	7e-02	3e-15	7e-03
3:	9.9997e-01	9.9996e-01	2e-03	8e-04	5e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	4e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	2e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3829e-01	6.3499e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9635e-01	3e-01	1e-01	2e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	3e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	2e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4863e-01	6.4537e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9694e-01	9.9645e-01	3e-01	1e-01	1e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	5e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9185e-01	6.8893e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9674e-01	9.9656e-01	1e-01	4e-02	3e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	1e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6141e-01	7.5962e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9764e-01	9.9760e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4620e-01	5.4300e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9715e-01	9.9543e-01	1e+00	3e-01	2e-15	3e-02
3:	9.9994e-01	9.9992e-01	1e-02	3e-03	8e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	4e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	3e-16	3e-08
6:	1.0000e+00	1.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0267e-01	5.9932e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9599e-01	6e-01	2e-01	3e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	3e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3828e-01	6.3498e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9635e-01	3e-01	9e-02	2e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	4e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	6e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	9e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6414e-01	7.6242e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9766e-01	9.9762e-01	7e-02	2e-02	4e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.0823e-01	6.0487e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9605e-01	5e-01	2e-01	5e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	5e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0593e-01	7.0317e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9627e-01	9.9614e-01	1e-01	3e-02	3e-15	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8122e-01	7.7992e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9782e-01	9.9780e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4295e-01	7.4079e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9746e-01	9.9740e-01	7e-02	2e-02	4e-15	2e-03
3:	9.9997e-01	9.9997e-01	7e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2212e-01	5.1904e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9519e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9976e-01	9.9971e-01	1e-02	5e-03	9e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	4e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	1e-15	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7606e-01	6.7299e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9699e-01	9.9673e-01	1e-01	5e-02	1e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.6887e-01	5.6558e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9713e-01	9.9566e-01	8e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9995e-01	8e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	8e-05	2e-05	5e-16	2e-06
5:	1.0000e+00	1.0000e+00	8e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4108e-01	5.3791e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9712e-01	9.9538e-01	1e+00	3e-01	3e-15	3e-02
3:	9.9992e-01	9.9989e-01	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6742e-01	6.6429e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9696e-01	9.9664e-01	2e-01	6e-02	4e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.2172e-01	5.1866e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9519e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9983e-01	9.9979e-01	1e-02	4e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	4e-16	4e-06

5:	1.0000e+00	1.0000e+00	1e-06	4e-07	5e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7655e-01	5.7323e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9573e-01	7e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	4e-16	2e-08
6:	1.0000e+00	1.0000e+00	7e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8060e-01	6.7757e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9701e-01	9.9678e-01	2e-01	5e-02	1e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	8e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8207e-01	7.8079e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9783e-01	9.9781e-01	6e-02	2e-02	3e-16	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7473e-01	6.7164e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9701e-01	9.9672e-01	2e-01	8e-02	3e-15	7e-03
3:	9.9997e-01	9.9997e-01	2e-03	8e-04	4e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	5e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6173e-01	6.5855e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9659e-01	2e-01	7e-02	4e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	5e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9983e-01	6.9700e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9682e-01	9.9668e-01	1e-01	4e-02	3e-15	3e-03

3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3871e-01	6.3542e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9635e-01	3e-01	9e-02	5e-16	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	2e-16	8e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	2e-16	8e-07
5:	1.0000e+00	1.0000e+00	3e-07	9e-08	2e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5865e-01	7.5681e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9761e-01	9.9757e-01	7e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2904e-01	6.2571e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9626e-01	4e-01	1e-01	1e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	2e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	2e-16	1e-08
6:	1.0000e+00	1.0000e+00	4e-09	1e-09	2e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3181e-01	7.2944e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9707e-01	9.9699e-01	9e-02	3e-02	7e-16	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.4994e-01	6.4670e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9647e-01	2e-01	8e-02	1e-15	7e-03
3:	9.9997e-01	9.9996e-01	2e-03	8e-04	2e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	3e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	2e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1640e-01	7.1379e-01	5e+00	2e+00	3e-16	1e-01

2:	9.9719e-01	9.9709e-01	1e-01	3e-02	8e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.6689e-01	4.6424e-01	5e+00	1e+00	2e-16	2e-01
2:	9.9697e-01	9.9464e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9881e-01	9.9854e-01	3e-02	9e-03	5e-16	7e-04
4:	9.9999e-01	9.9999e-01	3e-04	9e-05	3e-16	7e-06
5:	1.0000e+00	1.0000e+00	3e-06	9e-07	2e-16	7e-08
6:	1.0000e+00	1.0000e+00	3e-08	9e-09	2e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4157e-01	7.3938e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9745e-01	9.9739e-01	8e-02	2e-02	1e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.8638e-01	4.8357e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9696e-01	9.9484e-01	1e+00	5e-01	2e-15	5e-02
3:	9.9919e-01	9.9902e-01	2e-02	7e-03	5e-16	6e-04
4:	9.9999e-01	9.9999e-01	2e-04	7e-05	3e-16	6e-06
5:	1.0000e+00	1.0000e+00	2e-06	7e-07	2e-16	6e-08
6:	1.0000e+00	1.0000e+00	2e-08	7e-09	2e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6333e-01	7.6159e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9765e-01	9.9762e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.8843e-01	5.8509e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9699e-01	9.9585e-01	7e-01	2e-01	3e-15	2e-02
3:	9.9996e-01	9.9995e-01	7e-03	2e-03	5e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7065e-01	6.6753e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9668e-01	2e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1453e-01	5.1152e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9512e-01	1e+00	4e-01	1e-15	4e-02
3:	9.9980e-01	9.9975e-01	1e-02	4e-03	6e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	5e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	6e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7843e-01	6.7538e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9701e-01	9.9675e-01	2e-01	5e-02	2e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3484e-01	7.3253e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9723e-01	9.9715e-01	8e-02	3e-02	9e-16	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	3e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	3e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	4.5573e-01	4.5318e-01	5e+00	1e+00	3e-16	2e-01
2:	9.9681e-01	9.9453e-01	2e+00	5e-01	1e-15	5e-02
3:	9.9769e-01	9.9717e-01	5e-02	1e-02	2e-15	1e-03
4:	9.9998e-01	9.9997e-01	5e-04	1e-04	4e-16	1e-05
5:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
6:	1.0000e+00	1.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8835e-01	6.8540e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9646e-01	9.9626e-01	1e-01	4e-02	9e-16	4e-03
3:	9.9996e-01	9.9996e-01	1e-03	4e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	4e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5522e-01	7.5330e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9758e-01	9.9753e-01	7e-02	2e-02	8e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8986e-01	6.8692e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9653e-01	9.9634e-01	1e-01	4e-02	1e-15	3e-03
3:	9.9997e-01	9.9996e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2979e-01	7.2739e-01	5e+00	2e+00	1e-16	1e-01
2:	9.9705e-01	9.9697e-01	9e-02	3e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3269e-01	6.2938e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9629e-01	3e-01	1e-01	5e-16	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	4e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	3e-16	9e-09
6:	1.0000e+00	1.0000e+00	3e-09	1e-09	2e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3923e+00	1.3909e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9891e+00	1.9890e+00	3e-01	8e-02	1e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	8e-04	5e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	4e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3399e+00	1.3373e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9922e+00	1.9919e+00	3e-01	1e-01	2e-15	9e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	4e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	5e-16	9e-07

5: 2.0000e+00 2.0000e+00 3e-07 1e-07 3e-16 9e-09  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.9973e-01	8.9640e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9371e+00	1.9357e+00	1e+00	3e-01	8e-16	3e-02
3:	1.9108e+00	1.9090e+00	3e-01	1e-01	3e-15	8e-03
4:	1.9991e+00	1.9991e+00	4e-03	1e-03	3e-16	1e-04
5:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	2.0000e+00	2.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1156e+00	1.1122e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9605e+00	1.9590e+00	1e+00	4e-01	3e-15	4e-02
3:	1.9991e+00	1.9991e+00	2e-02	5e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	9e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	7e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1215e+00	1.1186e+00	5e+00	2e+00	1e-16	2e-01
2:	1.8995e+00	1.8980e+00	2e+00	6e-01	2e-15	5e-02
3:	1.9970e+00	1.9969e+00	4e-02	1e-02	1e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5932e+00	1.5930e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9956e+00	1.9956e+00	6e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1895e+00	1.1889e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9205e+00	1.9203e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9984e+00	1.9984e+00	3e-02	9e-03	1e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	3e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	5e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	3e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3230e+00	1.3218e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9676e+00	1.9674e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	5e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0913e+00	1.0883e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9205e+00	1.9188e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9972e+00	1.9971e+00	4e-02	1e-02	1e-15	9e-04
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	9e-06
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	9e-08
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	3e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0251e+00	1.0219e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9397e+00	1.9378e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9948e+00	1.9945e+00	4e-02	1e-02	3e-15	1e-03
4:	1.9999e+00	1.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2891e+00	1.2861e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9862e+00	1.9858e+00	5e-01	1e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	1e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	1e-05	8e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2283e+00	1.2273e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9277e+00	1.9273e+00	2e+00	5e-01	5e-16	4e-02
3:	1.9987e+00	1.9987e+00	2e-02	7e-03	4e-16	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	3e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	8e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5332e+00	1.5329e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9945e+00	1.9945e+00	9e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	4e-16	2e-07

5: 2.0000e+00 2.0000e+00 9e-08 3e-08 6e-16 2e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1926e+00	1.1893e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9881e+00	1.9872e+00	8e-01	2e-01	2e-15	2e-02
3:	1.9998e+00	1.9998e+00	8e-03	3e-03	2e-15	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2412e+00	1.2390e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9323e+00	1.9316e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9992e+00	1.9992e+00	2e-02	5e-03	5e-16	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	4e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2438e+00	1.2415e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9546e+00	1.9539e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	3e-03	8e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0179e+00	1.0146e+00	5e+00	2e+00	2e-16	2e-01
2:	1.8870e+00	1.8850e+00	2e+00	6e-01	4e-15	6e-02
3:	1.9949e+00	1.9945e+00	6e-02	2e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	6e-04	2e-04	2e-16	2e-05
5:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	2.0000e+00	2.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.7450e-01	9.7114e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8851e+00	1.8827e+00	2e+00	6e-01	1e-15	6e-02
3:	1.9878e+00	1.9871e+00	1e-01	3e-02	2e-15	3e-03
4:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
5:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3445e+00	1.3424e+00	6e+00	2e+00	2e-16	2e-01

2:	1.9835e+00	1.9832e+00	4e-01	1e-01	1e-15	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	4e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5547e+00	1.5535e+00	5e+00	1e+00	2e-16	1e-01
2:	1.9955e+00	1.9955e+00	7e-02	2e-02	4e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	7e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3042e+00	1.3021e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9844e+00	1.9841e+00	5e-01	2e-01	4e-15	1e-02
3:	1.9998e+00	1.9998e+00	5e-03	2e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	4e-16	1e-08
6:	2.0000e+00	2.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1124e+00	1.1090e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9503e+00	1.9488e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9991e+00	1.9991e+00	1e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	5e-05	5e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	5e-07	1e-15	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3627e+00	1.3613e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9864e+00	1.9863e+00	3e-01	1e-01	4e-15	9e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	3e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	9e-09
6:	2.0000e+00	2.0000e+00	3e-09	1e-09	3e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3445e+00	1.3418e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9793e+00	1.9789e+00	4e-01	1e-01	1e-15	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	6e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08
6:	2.0000e+00	2.0000e+00	4e-09	1e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3522e+00	1.3493e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9910e+00	1.9907e+00	2e-01	7e-02	2e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	7e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3390e+00	1.3365e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9572e+00	1.9568e+00	7e-01	2e-01	1e-15	2e-02
3:	1.9996e+00	1.9996e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2025e+00	1.2016e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9337e+00	1.9333e+00	2e+00	5e-01	1e-15	4e-02
3:	1.9991e+00	1.9991e+00	2e-02	6e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	6e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4077e+00	1.4051e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9938e+00	1.9937e+00	1e-01	5e-02	6e-16	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	5e-06	4e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4089e+00	1.4062e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9930e+00	1.9928e+00	1e-01	4e-02	3e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3018e+00	1.2989e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9712e+00	1.9708e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	8e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	1e-15	2e-06

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5: 2.0000e+00 2.0000e+00 6e-07 2e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1006e+00 1.0994e+00 5e+00 2e+00 2e-16 1e-01
2: 1.9027e+00 1.9020e+00 2e+00 7e-01 2e-15 6e-02
3: 1.9930e+00 1.9929e+00 9e-02 3e-02 1e-15 2e-03
4: 1.9999e+00 1.9999e+00 9e-04 3e-04 5e-16 2e-05
5: 2.0000e+00 2.0000e+00 9e-06 3e-06 3e-16 2e-07
6: 2.0000e+00 2.0000e+00 9e-08 3e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1350e+00 1.1332e+00 5e+00 2e+00 3e-16 1e-01
2: 1.9109e+00 1.9101e+00 2e+00 6e-01 1e-15 5e-02
3: 1.9950e+00 1.9949e+00 6e-02 2e-02 2e-15 2e-03
4: 1.9999e+00 1.9999e+00 6e-04 2e-04 4e-16 2e-05
5: 2.0000e+00 2.0000e+00 6e-06 2e-06 3e-16 2e-07
6: 2.0000e+00 2.0000e+00 6e-08 2e-08 5e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.1562e+00 1.1528e+00 5e+00 2e+00 2e-16 2e-01
2: 1.9849e+00 1.9837e+00 9e-01 3e-01 4e-15 3e-02
3: 1.9997e+00 1.9997e+00 1e-02 3e-03 2e-15 3e-04
4: 2.0000e+00 2.0000e+00 1e-04 3e-05 6e-16 3e-06
5: 2.0000e+00 2.0000e+00 1e-06 3e-07 1e-15 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 9e+00 1e-16 1e+00
1: 7.1281e-01 7.1033e-01 4e+00 1e+00 2e-16 2e-01
2: 1.8780e+00 1.8753e+00 2e+00 5e-01 1e-15 6e-02
3: 1.9103e+00 1.9065e+00 4e-01 1e-01 4e-15 1e-02
4: 1.9991e+00 1.9990e+00 5e-03 2e-03 4e-16 1e-04
5: 2.0000e+00 2.0000e+00 5e-05 2e-05 4e-16 1e-06
6: 2.0000e+00 2.0000e+00 5e-07 2e-07 3e-16 1e-08
7: 2.0000e+00 2.0000e+00 5e-09 2e-09 5e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.5113e+00 1.5098e+00 5e+00 2e+00 2e-16 1e-01
2: 1.9948e+00 1.9948e+00 9e-02 3e-02 2e-15 2e-03
3: 1.9999e+00 1.9999e+00 9e-04 3e-04 5e-16 2e-05
4: 2.0000e+00 2.0000e+00 9e-06 3e-06 3e-16 2e-07
5: 2.0000e+00 2.0000e+00 9e-08 3e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00

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1:	1.1020e+00	1.0986e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9385e+00	1.9369e+00	1e+00	4e-01	6e-15	4e-02
3:	1.9985e+00	1.9984e+00	2e-02	6e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	9e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	3e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	7.8230e-01	7.7898e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8452e+00	1.8422e+00	2e+00	7e-01	1e-15	7e-02
3:	1.9225e+00	1.9192e+00	4e-01	1e-01	1e-15	1e-02
4:	1.9992e+00	1.9991e+00	6e-03	2e-03	5e-16	1e-04
5:	2.0000e+00	2.0000e+00	6e-05	2e-05	2e-16	1e-06
6:	2.0000e+00	2.0000e+00	6e-07	2e-07	3e-16	1e-08
7:	2.0000e+00	2.0000e+00	6e-09	2e-09	3e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3823e+00	1.3797e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9930e+00	1.9928e+00	2e-01	7e-02	2e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	7e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0494e+00	1.0460e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9173e+00	1.9153e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9960e+00	1.9958e+00	4e-02	1e-02	2e-15	1e-03
4:	2.0000e+00	2.0000e+00	4e-04	1e-04	6e-16	1e-05
5:	2.0000e+00	2.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3981e+00	1.3957e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9906e+00	1.9904e+00	2e-01	6e-02	2e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4248e+00	1.4226e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9878e+00	1.9876e+00	2e-01	7e-02	2e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	6e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	8e-16	6e-07



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5: 2.0000e+00 2.0000e+00 2e-07 7e-08 5e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1766e+00 1.1739e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9490e+00 1.9480e+00 1e+00 4e-01 3e-15 4e-02
3: 1.9993e+00 1.9993e+00 1e-02 5e-03 9e-16 4e-04
4: 2.0000e+00 2.0000e+00 1e-04 5e-05 3e-16 4e-06
5: 2.0000e+00 2.0000e+00 1e-06 5e-07 6e-16 4e-08
6: 2.0000e+00 2.0000e+00 1e-08 5e-09 4e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0909e+00 1.0903e+00 5e+00 2e+00 2e-16 1e-01
2: 1.9087e+00 1.9084e+00 2e+00 6e-01 6e-16 5e-02
3: 1.9757e+00 1.9756e+00 2e-01 8e-02 3e-15 6e-03
4: 1.9998e+00 1.9998e+00 3e-03 8e-04 4e-16 6e-05
5: 2.0000e+00 2.0000e+00 3e-05 8e-06 3e-16 6e-07
6: 2.0000e+00 2.0000e+00 3e-07 8e-08 4e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.4697e+00 1.4686e+00 5e+00 2e+00 2e-16 1e-01
2: 1.9881e+00 1.9881e+00 2e-01 6e-02 1e-15 5e-03
3: 1.9999e+00 1.9999e+00 2e-03 6e-04 4e-16 5e-05
4: 2.0000e+00 2.0000e+00 2e-05 6e-06 4e-16 5e-07
5: 2.0000e+00 2.0000e+00 2e-07 6e-08 5e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3831e+00 1.3806e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9865e+00 1.9863e+00 3e-01 9e-02 9e-16 8e-03
3: 1.9999e+00 1.9999e+00 3e-03 9e-04 4e-16 8e-05
4: 2.0000e+00 2.0000e+00 3e-05 9e-06 5e-16 8e-07
5: 2.0000e+00 2.0000e+00 3e-07 9e-08 5e-16 8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.1757e+00 1.1724e+00 5e+00 2e+00 2e-16 2e-01
2: 1.9872e+00 1.9861e+00 1e+00 3e-01 4e-15 3e-02
3: 1.9994e+00 1.9993e+00 1e-02 4e-03 1e-15 4e-04
4: 2.0000e+00 2.0000e+00 1e-04 4e-05 1e-15 4e-06
5: 2.0000e+00 2.0000e+00 1e-06 4e-07 1e-15 4e-08
6: 2.0000e+00 2.0000e+00 1e-08 4e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2522e+00 1.2526e+00 6e+00 2e+00 3e-16 2e-01

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2:	1.9306e+00	1.9307e+00	2e+00	5e-01	1e-15	4e-02
3:	1.9988e+00	1.9988e+00	2e-02	7e-03	1e-15	6e-04
4:	2.0000e+00	2.0000e+00	2e-04	7e-05	6e-16	6e-06
5:	2.0000e+00	2.0000e+00	2e-06	7e-07	6e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	7e-09	4e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1438e+00	1.1404e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9664e+00	1.9651e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	3e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3529e+00	1.3511e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9814e+00	1.9811e+00	4e-01	1e-01	2e-15	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3825e+00	1.3807e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9937e+00	1.9935e+00	2e-01	7e-02	5e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	4e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0430e+00	2.0409e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9877e+00	2.9874e+00	4e-01	1e-01	1e-15	1e-02
3:	2.9999e+00	2.9999e+00	4e-03	1e-03	4e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9559e+00	1.9539e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9514e+00	2.9509e+00	7e-01	2e-01	2e-15	2e-02
3:	2.9995e+00	2.9995e+00	7e-03	2e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.9381e+00	1.9379e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9513e+00	2.9513e+00	8e-01	2e-01	2e-15	2e-02
3:	2.9995e+00	2.9995e+00	8e-03	2e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	2e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6685e+00	1.6661e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8281e+00	2.8269e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9924e+00	2.9923e+00	6e-02	2e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	3e-16	1e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	3e-16	1e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3997e+00	1.3964e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8850e+00	2.8832e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9561e+00	2.9550e+00	2e-01	6e-02	3e-15	5e-03
4:	2.9996e+00	2.9995e+00	2e-03	6e-04	4e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9053e+00	1.9040e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9172e+00	2.9169e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9991e+00	2.9991e+00	1e-02	3e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5462e+00	1.5445e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8088e+00	2.8078e+00	2e+00	7e-01	2e-15	6e-02
3:	2.9735e+00	2.9731e+00	2e-01	6e-02	1e-15	5e-03
4:	2.9997e+00	2.9997e+00	2e-03	6e-04	4e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0555e+00	2.0536e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9496e+00	2.9493e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	3e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8707e+00	1.8692e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8542e+00	2.8536e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9979e+00	2.9979e+00	2e-02	7e-03	2e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	4e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	8e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0158e+00	2.0134e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9460e+00	2.9456e+00	6e-01	2e-01	3e-15	2e-02
3:	2.9994e+00	2.9994e+00	6e-03	2e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7226e+00	1.7211e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9351e+00	2.9346e+00	1e+00	4e-01	3e-15	4e-02
3:	2.9988e+00	2.9988e+00	2e-02	5e-03	2e-15	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	8e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7633e+00	1.7612e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8467e+00	2.8458e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9972e+00	2.9972e+00	3e-02	9e-03	1e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	7e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9162e+00	1.9150e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8924e+00	2.8920e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9987e+00	2.9987e+00	2e-02	5e-03	8e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9840e+00	1.9829e+00	6e+00	2e+00	2e-16	2e-01

2:	2.9180e+00	2.9177e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	9e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1443e+00	2.1440e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9779e+00	2.9779e+00	3e-01	9e-02	5e-16	7e-03
3:	2.9998e+00	2.9998e+00	3e-03	9e-04	3e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	4e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5559e+00	1.5536e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8859e+00	2.8849e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9776e+00	2.9774e+00	1e-01	4e-02	2e-15	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	5e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7040e+00	1.7007e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9267e+00	2.9252e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9978e+00	2.9977e+00	2e-02	6e-03	2e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	9e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	9e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9592e+00	1.9607e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8601e+00	2.8606e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9954e+00	2.9955e+00	4e-02	1e-02	2e-15	1e-03
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	3e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0706e+00	2.0704e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9295e+00	2.9295e+00	9e-01	3e-01	2e-15	2e-02
3:	2.9993e+00	2.9993e+00	9e-03	3e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	5e-16	2e-08

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6: 3.0000e+00 3.0000e+00 9e-09 3e-09 6e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.7868e+00 1.7847e+00 6e+00 2e+00 2e-16 2e-01
2: 2.8358e+00 2.8347e+00 2e+00 6e-01 2e-15 5e-02
3: 2.9958e+00 2.9957e+00 4e-02 1e-02 2e-15 1e-03
4: 3.0000e+00 3.0000e+00 4e-04 1e-04 3e-16 1e-05
5: 3.0000e+00 3.0000e+00 4e-06 1e-06 6e-16 1e-07
6: 3.0000e+00 3.0000e+00 4e-08 1e-08 3e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.9444e+00 1.9436e+00 6e+00 2e+00 2e-16 2e-01
2: 2.9400e+00 2.9398e+00 9e-01 3e-01 1e-15 2e-02
3: 2.9993e+00 2.9993e+00 1e-02 3e-03 8e-16 3e-04
4: 3.0000e+00 3.0000e+00 1e-04 3e-05 9e-16 3e-06
5: 3.0000e+00 3.0000e+00 1e-06 3e-07 8e-16 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.0927e+00 2.0900e+00 5e+00 2e+00 2e-16 1e-01
2: 2.9888e+00 2.9886e+00 2e-01 7e-02 2e-15 6e-03
3: 2.9999e+00 2.9999e+00 2e-03 7e-04 6e-16 6e-05
4: 3.0000e+00 3.0000e+00 2e-05 7e-06 8e-16 6e-07
5: 3.0000e+00 3.0000e+00 2e-07 7e-08 5e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.8999e+00 1.8981e+00 6e+00 2e+00 3e-16 2e-01
2: 2.9154e+00 2.9149e+00 1e+00 3e-01 2e-15 3e-02
3: 2.9989e+00 2.9989e+00 1e-02 4e-03 2e-15 3e-04
4: 3.0000e+00 3.0000e+00 1e-04 4e-05 5e-16 3e-06
5: 3.0000e+00 3.0000e+00 1e-06 4e-07 7e-16 3e-08
6: 3.0000e+00 3.0000e+00 1e-08 4e-09 2e-15 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.7686e+00 1.7683e+00 7e+00 2e+00 3e-16 2e-01
2: 2.8345e+00 2.8344e+00 2e+00 6e-01 2e-15 5e-02
3: 2.9968e+00 2.9968e+00 4e-02 1e-02 1e-15 1e-03
4: 3.0000e+00 3.0000e+00 4e-04 1e-04 7e-16 1e-05
5: 3.0000e+00 3.0000e+00 4e-06 1e-06 3e-16 1e-07
6: 3.0000e+00 3.0000e+00 4e-08 1e-08 4e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.1331e+00 1.1298e+00 5e+00 2e+00 3e-16 2e-01

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2:	2.8687e+00	2.8671e+00	1e+00	3e-01	2e-15	3e-02
3:	2.8681e+00	2.8659e+00	5e-01	2e-01	5e-15	1e-02
4:	2.9972e+00	2.9971e+00	2e-02	5e-03	5e-16	4e-04
5:	3.0000e+00	3.0000e+00	2e-04	5e-05	1e-15	4e-06
6:	3.0000e+00	3.0000e+00	2e-06	5e-07	1e-15	4e-08
7:	3.0000e+00	3.0000e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7082e+00	1.7048e+00	5e+00	2e+00	2e-16	2e-01
2:	2.9620e+00	2.9607e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9985e+00	2.9985e+00	2e-02	5e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	2e-15	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	8e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8452e+00	1.8437e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9091e+00	2.9087e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9984e+00	2.9984e+00	2e-02	5e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2325e+00	1.2293e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7419e+00	2.7392e+00	2e+00	6e-01	1e-15	6e-02
3:	2.9143e+00	2.9112e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9991e+00	2.9991e+00	5e-03	2e-03	3e-16	1e-04
5:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1319e+00	1.1286e+00	5e+00	2e+00	2e-16	2e-01
2:	2.6820e+00	2.6805e+00	9e-01	3e-01	2e-15	3e-02
3:	2.9730e+00	2.9724e+00	3e-01	1e-01	1e-15	9e-03
4:	2.9709e+00	2.9704e+00	8e-02	3e-02	1e-14	2e-03
5:	2.9997e+00	2.9997e+00	9e-04	3e-04	5e-16	2e-05
6:	3.0000e+00	3.0000e+00	9e-06	3e-06	9e-16	2e-07
7:	3.0000e+00	3.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8485e+00	1.8462e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8726e+00	2.8718e+00	1e+00	5e-01	1e-15	4e-02

3:	2.9979e+00	2.9978e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	8e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	9e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1577e+00	2.1574e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9853e+00	2.9852e+00	2e-01	6e-02	1e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	5e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	7e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8395e+00	1.8370e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9048e+00	2.9040e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9988e+00	2.9988e+00	1e-02	5e-03	8e-16	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	5e-05	9e-16	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	5e-07	5e-16	4e-08
6:	3.0000e+00	3.0000e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5596e+00	1.5564e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8893e+00	2.8878e+00	1e+00	4e-01	1e-15	4e-02
3:	2.9631e+00	2.9624e+00	2e-01	6e-02	1e-15	5e-03
4:	2.9996e+00	2.9996e+00	2e-03	6e-04	4e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6351e+00	1.6338e+00	6e+00	2e+00	3e-16	2e-01
2:	2.7637e+00	2.7630e+00	2e+00	8e-01	1e-15	6e-02
3:	2.9758e+00	2.9756e+00	2e-01	6e-02	1e-15	4e-03
4:	2.9998e+00	2.9998e+00	2e-03	6e-04	3e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1447e+00	2.1454e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9635e+00	2.9636e+00	4e-01	1e-01	3e-15	1e-02
3:	2.9996e+00	2.9996e+00	4e-03	1e-03	9e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	9e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2647e+00	1.2617e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8294e+00	2.8280e+00	1e+00	5e-01	1e-15	4e-02
3:	2.8738e+00	2.8724e+00	4e-01	1e-01	3e-15	1e-02
4:	2.9986e+00	2.9986e+00	6e-03	2e-03	3e-16	2e-04
5:	3.0000e+00	3.0000e+00	6e-05	2e-05	6e-16	2e-06
6:	3.0000e+00	3.0000e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9807e+00	1.9790e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9776e+00	2.9774e+00	4e-01	1e-01	3e-15	1e-02
3:	2.9998e+00	2.9998e+00	4e-03	1e-03	4e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5820e+00	1.5787e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8568e+00	2.8547e+00	2e+00	5e-01	3e-15	5e-02
3:	2.9919e+00	2.9917e+00	5e-02	1e-02	1e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	1e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5425e+00	1.5399e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7993e+00	2.7980e+00	2e+00	6e-01	3e-15	6e-02
3:	2.9741e+00	2.9736e+00	2e-01	6e-02	1e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	6e-04	3e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6998e+00	1.6969e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9352e+00	2.9341e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9984e+00	2.9984e+00	2e-02	5e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	1e-15	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	7e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0840e+00	2.0817e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9691e+00	2.9689e+00	4e-01	1e-01	2e-15	1e-02

3:	2.9997e+00	2.9997e+00	4e-03	1e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8595e+00	1.8578e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8802e+00	2.8796e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9979e+00	2.9979e+00	2e-02	7e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	6e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	7e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0893e+00	2.0881e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9504e+00	2.9503e+00	6e-01	2e-01	8e-16	2e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	8e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6991e+00	1.6958e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9115e+00	2.9100e+00	1e+00	4e-01	3e-15	4e-02
3:	2.9971e+00	2.9970e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	5e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	5e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0768e+00	2.0790e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9230e+00	2.9233e+00	9e-01	3e-01	2e-15	2e-02
3:	2.9992e+00	2.9992e+00	9e-03	3e-03	8e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2455e+00	2.2455e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9784e+00	2.9784e+00	2e-01	7e-02	4e-15	5e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	1e-15	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.2903e+00	2.2897e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9856e+00	2.9856e+00	1e-01	5e-02	2e-15	4e-03
3:	2.9999e+00	2.9999e+00	1e-03	5e-04	8e-16	4e-05
4:	3.0000e+00	3.0000e+00	1e-05	5e-06	1e-15	4e-07
5:	3.0000e+00	3.0000e+00	1e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8782e+00	1.8762e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9213e+00	2.9208e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9992e+00	2.9992e+00	1e-02	3e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7111e+00	1.7109e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7986e+00	2.7984e+00	2e+00	7e-01	6e-16	6e-02
3:	2.9766e+00	2.9765e+00	2e-01	6e-02	1e-15	5e-03
4:	2.9998e+00	2.9998e+00	2e-03	6e-04	3e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1559e+00	2.1545e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9885e+00	2.9884e+00	2e-01	6e-02	1e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3805e+00	2.3778e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9134e+00	3.9126e+00	1e+00	3e-01	4e-15	3e-02
3:	3.9988e+00	3.9987e+00	1e-02	4e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3234e+00	2.3207e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8764e+00	3.8752e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9969e+00	3.9969e+00	2e-02	7e-03	1e-15	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	7e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0768e+00	2.0737e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7618e+00	3.7601e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9874e+00	3.9871e+00	8e-02	3e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	3e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9603e+00	1.9572e+00	6e+00	2e+00	3e-16	2e-01
2:	3.5776e+00	3.5756e+00	2e+00	7e-01	2e-15	6e-02
3:	3.9294e+00	3.9282e+00	5e-01	2e-01	2e-15	1e-02
4:	3.9989e+00	3.9988e+00	8e-03	2e-03	1e-15	2e-04
5:	4.0000e+00	4.0000e+00	8e-05	2e-05	9e-16	2e-06
6:	4.0000e+00	4.0000e+00	8e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3312e+00	2.3301e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8917e+00	3.8914e+00	1e+00	4e-01	9e-16	4e-02
3:	3.9981e+00	3.9981e+00	2e-02	6e-03	1e-15	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	6e-05	9e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	6e-07	7e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7549e+00	2.7544e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8988e+00	3.8987e+00	9e-01	3e-01	1e-15	2e-02
3:	3.9989e+00	3.9989e+00	1e-02	3e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	2e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4950e+00	2.4944e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7390e+00	3.7388e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9935e+00	3.9934e+00	5e-02	2e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9265e+00	1.9270e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6635e+00	3.6637e+00	2e+00	7e-01	7e-16	5e-02

3:	3.9360e+00	3.9361e+00	3e-01	1e-01	2e-15	8e-03
4:	3.9993e+00	3.9993e+00	4e-03	1e-03	3e-16	1e-04
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	6e-16	1e-06
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4125e+00	2.4132e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7163e+00	3.7166e+00	2e+00	7e-01	1e-15	5e-02
3:	3.9630e+00	3.9631e+00	2e-01	7e-02	2e-15	6e-03
4:	3.9996e+00	3.9996e+00	2e-03	7e-04	4e-16	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	7e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0266e+00	2.0249e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7891e+00	3.7885e+00	1e+00	4e-01	1e-15	4e-02
3:	3.9023e+00	3.9017e+00	4e-01	1e-01	3e-15	1e-02
4:	3.9989e+00	3.9989e+00	5e-03	2e-03	3e-16	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8802e+00	2.8808e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9310e+00	3.9311e+00	6e-01	2e-01	2e-15	1e-02
3:	3.9993e+00	3.9993e+00	6e-03	2e-03	1e-15	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1384e+00	2.1359e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8068e+00	3.8057e+00	2e+00	5e-01	1e-15	5e-02
3:	3.9800e+00	3.9798e+00	1e-01	3e-02	2e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	5e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0191e+00	2.0171e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7896e+00	3.7888e+00	2e+00	5e-01	2e-15	4e-02
3:	3.8604e+00	3.8597e+00	5e-01	1e-01	4e-15	1e-02
4:	3.9984e+00	3.9984e+00	7e-03	2e-03	6e-16	2e-04
5:	4.0000e+00	4.0000e+00	7e-05	2e-05	5e-16	2e-06
6:	4.0000e+00	4.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5176e+00	2.5151e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9361e+00	3.9355e+00	8e-01	3e-01	2e-15	2e-02
3:	3.9992e+00	3.9992e+00	9e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7599e+00	2.7609e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8845e+00	3.8848e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	7e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	5e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2696e+00	2.2681e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8307e+00	3.8300e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9934e+00	3.9933e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1003e+00	2.0984e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8317e+00	3.8308e+00	2e+00	5e-01	8e-16	5e-02
3:	3.9847e+00	3.9845e+00	8e-02	3e-02	1e-15	2e-03
4:	3.9998e+00	3.9998e+00	8e-04	3e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5774e+00	2.5779e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8298e+00	3.8300e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9969e+00	3.9969e+00	2e-02	7e-03	8e-16	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	4e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	4e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6064e+00	2.6064e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8025e+00	3.8025e+00	2e+00	5e-01	1e-15	4e-02

3:	3.9954e+00	3.9954e+00	3e-02	1e-02	2e-15	8e-04
4:	4.0000e+00	4.0000e+00	3e-04	1e-04	4e-16	8e-06
5:	4.0000e+00	4.0000e+00	3e-06	1e-06	4e-16	8e-08
6:	4.0000e+00	4.0000e+00	3e-08	1e-08	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4521e+00	2.4498e+00	6e+00	2e+00	2e-16	1e-01
2:	3.7712e+00	3.7698e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9936e+00	3.9935e+00	5e-02	1e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	1e-04	3e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6702e+00	2.6706e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9374e+00	3.9375e+00	6e-01	2e-01	1e-15	2e-02
3:	3.9994e+00	3.9994e+00	6e-03	2e-03	8e-16	2e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2242e+00	2.2224e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6866e+00	3.6857e+00	2e+00	7e-01	2e-15	6e-02
3:	3.9706e+00	3.9703e+00	2e-01	6e-02	2e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	4e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6972e+00	2.6975e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8415e+00	3.8416e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9981e+00	3.9981e+00	2e-02	5e-03	8e-16	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4504e+00	2.4524e+00	7e+00	2e+00	2e-16	2e-01
2:	3.7111e+00	3.7119e+00	2e+00	7e-01	9e-16	5e-02
3:	3.9834e+00	3.9835e+00	1e-01	3e-02	1e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.8832e+00	1.8802e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8302e+00	3.8288e+00	1e+00	4e-01	1e-15	4e-02
3:	3.8792e+00	3.8780e+00	4e-01	1e-01	3e-15	9e-03
4:	3.9986e+00	3.9986e+00	5e-03	2e-03	4e-16	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2794e+00	2.2795e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7421e+00	3.7421e+00	2e+00	7e-01	6e-16	5e-02
3:	3.9880e+00	3.9880e+00	7e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6356e+00	2.6331e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9679e+00	3.9676e+00	5e-01	2e-01	3e-15	1e-02
3:	3.9997e+00	3.9997e+00	5e-03	2e-03	8e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6028e+00	2.6032e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8963e+00	3.8964e+00	9e-01	3e-01	3e-15	2e-02
3:	3.9989e+00	3.9989e+00	1e-02	3e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9629e+00	1.9595e+00	5e+00	2e+00	3e-16	2e-01
2:	3.8444e+00	3.8426e+00	1e+00	5e-01	3e-15	4e-02
3:	3.9346e+00	3.9336e+00	3e-01	8e-02	2e-15	7e-03
4:	3.9993e+00	3.9993e+00	3e-03	9e-04	5e-16	8e-05
5:	4.0000e+00	4.0000e+00	3e-05	9e-06	6e-16	8e-07
6:	4.0000e+00	4.0000e+00	3e-07	9e-08	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7982e+00	2.7999e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9417e+00	3.9419e+00	5e-01	2e-01	2e-15	1e-02



3:	3.9994e+00	3.9994e+00	5e-03	2e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	2e-15	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9489e+00	1.9456e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6297e+00	3.6273e+00	2e+00	7e-01	2e-15	6e-02
3:	3.9585e+00	3.9574e+00	2e-01	6e-02	4e-15	5e-03
4:	3.9996e+00	3.9996e+00	2e-03	6e-04	4e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	3e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7255e+00	2.7240e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9285e+00	3.9282e+00	8e-01	2e-01	2e-15	2e-02
3:	3.9992e+00	3.9992e+00	8e-03	3e-03	9e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	5e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3085e+00	2.3066e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8372e+00	3.8364e+00	2e+00	5e-01	3e-15	4e-02
3:	3.9949e+00	3.9948e+00	3e-02	1e-02	2e-15	8e-04
4:	3.9999e+00	3.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	4.0000e+00	4.0000e+00	3e-06	1e-06	6e-16	8e-08
6:	4.0000e+00	4.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7716e+00	2.7716e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9463e+00	3.9463e+00	5e-01	1e-01	9e-16	1e-02
3:	3.9994e+00	3.9994e+00	5e-03	2e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4733e+00	2.4718e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7231e+00	3.7223e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9918e+00	3.9917e+00	6e-02	2e-02	1e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0927e+00	2.0899e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8004e+00	3.7991e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9666e+00	3.9661e+00	2e-01	5e-02	3e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4014e+00	2.4041e+00	7e+00	2e+00	3e-16	2e-01
2:	3.7868e+00	3.7878e+00	2e+00	6e-01	1e-15	4e-02
3:	3.9932e+00	3.9933e+00	4e-02	1e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6474e+00	1.6441e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6618e+00	3.6601e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9548e+00	3.9539e+00	4e-01	1e-01	3e-15	1e-02
4:	3.9915e+00	3.9913e+00	3e-02	9e-03	5e-15	7e-04
5:	3.9999e+00	3.9999e+00	3e-04	9e-05	7e-16	7e-06
6:	4.0000e+00	4.0000e+00	3e-06	9e-07	6e-16	7e-08
7:	4.0000e+00	4.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9112e+00	2.9095e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9741e+00	3.9740e+00	2e-01	7e-02	2e-15	6e-03
3:	3.9997e+00	3.9997e+00	2e-03	7e-04	8e-16	6e-05
4:	4.0000e+00	4.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5393e+00	2.5406e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7650e+00	3.7655e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9943e+00	3.9943e+00	5e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	1e-06	5e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5209e+00	2.5223e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7484e+00	3.7489e+00	2e+00	7e-01	9e-16	5e-02

3:	3.9741e+00	3.9743e+00	2e-01	5e-02	1e-15	4e-03
4:	3.9997e+00	3.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	4.0000e+00	4.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	4.0000e+00	4.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3908e+00	2.3903e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7928e+00	3.7926e+00	2e+00	6e-01	8e-16	5e-02
3:	3.9877e+00	3.9877e+00	7e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6218e+00	2.6202e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9108e+00	3.9104e+00	9e-01	3e-01	3e-15	2e-02
3:	3.9990e+00	3.9990e+00	9e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4276e+00	2.4275e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7267e+00	3.7267e+00	2e+00	7e-01	1e-15	5e-02
3:	3.9934e+00	3.9934e+00	5e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	1e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	1e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0542e+00	2.0530e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7049e+00	3.7043e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9316e+00	3.9314e+00	3e-01	1e-01	1e-15	8e-03
4:	3.9993e+00	3.9993e+00	3e-03	1e-03	4e-16	9e-05
5:	4.0000e+00	4.0000e+00	3e-05	1e-05	5e-16	9e-07
6:	4.0000e+00	4.0000e+00	3e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5138e+00	2.5141e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8289e+00	3.8290e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9976e+00	3.9976e+00	2e-02	6e-03	9e-16	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	6e-05	8e-16	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	6e-07	8e-16	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	6e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1059e+00	2.1026e+00	5e+00	2e+00	3e-16	2e-01
2:	3.7256e+00	3.7239e+00	1e+00	5e-01	2e-15	4e-02
3:	3.8744e+00	3.8723e+00	5e-01	1e-01	4e-15	1e-02
4:	3.9986e+00	3.9986e+00	6e-03	2e-03	5e-16	2e-04
5:	4.0000e+00	4.0000e+00	6e-05	2e-05	4e-16	2e-06
6:	4.0000e+00	4.0000e+00	6e-07	2e-07	5e-16	2e-08
7:	4.0000e+00	4.0000e+00	6e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2852e+00	2.2832e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7509e+00	3.7500e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9902e+00	3.9901e+00	6e-02	2e-02	3e-15	1e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	8.0637e-01	8.0305e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9891e+00	1.9871e+00	1e+00	4e-01	2e-15	4e-02
3:	2.4034e+00	2.4023e+00	5e-01	2e-01	1e-15	2e-02
4:	2.5109e+00	2.5101e+00	2e-01	6e-02	1e-15	5e-03
5:	2.5713e+00	2.5712e+00	3e-02	1e-02	6e-16	8e-04
6:	2.5829e+00	2.5829e+00	8e-04	2e-04	1e-15	2e-05
7:	2.5832e+00	2.5832e+00	8e-06	2e-06	8e-16	2e-07
8:	2.5832e+00	2.5832e+00	8e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4990e+00	2.5023e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7779e+00	3.7790e+00	2e+00	6e-01	2e-15	4e-02
3:	3.9872e+00	3.9873e+00	8e-02	3e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	8e-04	3e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	3e-06	6e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3248e+00	3.3244e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8287e+00	4.8285e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9973e+00	4.9973e+00	2e-02	5e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	9e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1198e+00	3.1191e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6896e+00	4.6894e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9925e+00	4.9925e+00	5e-02	2e-02	9e-16	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	2e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2271e+00	3.2251e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7855e+00	4.7848e+00	1e+00	4e-01	3e-15	4e-02
3:	4.9950e+00	4.9950e+00	3e-02	9e-03	2e-15	8e-04
4:	5.0000e+00	4.9999e+00	3e-04	9e-05	1e-15	8e-06
5:	5.0000e+00	5.0000e+00	3e-06	9e-07	6e-16	8e-08
6:	5.0000e+00	5.0000e+00	3e-08	9e-09	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2211e+00	2.2185e+00	6e+00	2e+00	2e-16	2e-01
2:	4.4907e+00	4.4898e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9024e+00	4.9021e+00	2e-01	7e-02	2e-15	6e-03
4:	4.9867e+00	4.9866e+00	7e-02	2e-02	2e-15	2e-03
5:	4.9854e+00	4.9853e+00	4e-02	1e-02	4e-14	9e-04
6:	4.9998e+00	4.9998e+00	7e-04	2e-04	2e-15	2e-05
7:	5.0000e+00	5.0000e+00	7e-06	2e-06	9e-15	2e-07
8:	5.0000e+00	5.0000e+00	7e-08	2e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9649e+00	2.9644e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7583e+00	4.7581e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9935e+00	4.9935e+00	4e-02	1e-02	2e-15	9e-04
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	9e-16	9e-06
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	7e-16	9e-08
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0786e+00	3.0823e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7258e+00	4.7270e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9804e+00	4.9806e+00	1e-01	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8087e+00	2.8060e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6473e+00	4.6463e+00	1e+00	4e-01	1e-15	4e-02
3:	4.9683e+00	4.9677e+00	2e-01	7e-02	3e-15	6e-03
4:	4.9997e+00	4.9997e+00	3e-03	9e-04	9e-16	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	9e-06	1e-15	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1215e+00	3.1195e+00	5e+00	2e+00	2e-16	1e-01
2:	4.7575e+00	4.7568e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9108e+00	4.9103e+00	3e-01	9e-02	3e-15	7e-03
4:	4.9990e+00	4.9990e+00	4e-03	1e-03	4e-16	9e-05
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0624e+00	3.0632e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9190e+00	4.9192e+00	1e+00	3e-01	2e-15	2e-02
3:	4.9986e+00	4.9986e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8388e+00	2.8379e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8310e+00	4.8307e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9701e+00	4.9700e+00	1e-01	4e-02	5e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7683e+00	2.7663e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6087e+00	4.6075e+00	2e+00	7e-01	1e-15	6e-02
3:	4.9423e+00	4.9419e+00	2e-01	7e-02	1e-15	6e-03
4:	4.9994e+00	4.9994e+00	2e-03	8e-04	5e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	8e-06	4e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4973e+00	3.4992e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8695e+00	4.8699e+00	9e-01	3e-01	9e-16	2e-02

3:	4.9986e+00	4.9986e+00	9e-03	3e-03	6e-16	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2567e+00	2.2588e+00	6e+00	2e+00	2e-16	1e-01
2:	4.4465e+00	4.4475e+00	2e+00	5e-01	7e-16	4e-02
3:	4.9347e+00	4.9350e+00	5e-01	1e-01	8e-16	1e-02
4:	4.9724e+00	4.9725e+00	8e-02	3e-02	7e-15	2e-03
5:	4.9997e+00	4.9997e+00	9e-04	3e-04	6e-16	2e-05
6:	5.0000e+00	5.0000e+00	9e-06	3e-06	1e-15	2e-07
7:	5.0000e+00	5.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2205e+00	3.2214e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8106e+00	4.8108e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9963e+00	4.9964e+00	2e-02	7e-03	2e-15	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	7e-05	1e-15	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	7e-07	8e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7975e+00	1.7947e+00	5e+00	2e+00	3e-16	2e-01
2:	3.6546e+00	3.6533e+00	1e+00	4e-01	2e-15	3e-02
3:	4.0021e+00	4.0019e+00	1e-01	5e-02	7e-16	4e-03
4:	4.0545e+00	4.0544e+00	3e-02	1e-02	1e-15	9e-04
5:	4.0665e+00	4.0665e+00	4e-03	1e-03	6e-16	1e-04
6:	4.0681e+00	4.0681e+00	1e-03	3e-04	9e-16	3e-05
7:	4.0685e+00	4.0685e+00	3e-05	9e-06	1e-15	7e-07
8:	4.0685e+00	4.0685e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9072e+00	2.9045e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8664e+00	4.8654e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9957e+00	4.9956e+00	3e-02	8e-03	2e-15	7e-04
4:	5.0000e+00	5.0000e+00	3e-04	8e-05	8e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	8e-07	8e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	8e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2601e+00	1.2567e+00	5e+00	2e+00	2e-16	2e-01
2:	3.1080e+00	3.1066e+00	9e-01	3e-01	9e-16	3e-02
3:	3.4964e+00	3.4960e+00	2e-01	5e-02	2e-15	5e-03

4:	3.5601e+00	3.5600e+00	2e-02	7e-03	3e-15	7e-04
5:	3.5702e+00	3.5702e+00	1e-03	4e-04	3e-15	4e-05
6:	3.5708e+00	3.5708e+00	1e-05	4e-06	9e-16	4e-07
7:	3.5708e+00	3.5708e+00	1e-07	4e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6892e+00	2.6887e+00	6e+00	2e+00	2e-16	2e-01
2:	4.3239e+00	4.3237e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9471e+00	4.9471e+00	2e-01	8e-02	8e-16	6e-03
4:	4.9602e+00	4.9602e+00	1e-01	3e-02	1e-14	3e-03
5:	4.9993e+00	4.9993e+00	2e-03	7e-04	6e-16	6e-05
6:	5.0000e+00	5.0000e+00	2e-05	7e-06	6e-15	6e-07
7:	5.0000e+00	5.0000e+00	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2965e+00	3.2972e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8559e+00	4.8560e+00	1e+00	3e-01	7e-16	3e-02
3:	4.9984e+00	4.9984e+00	1e-02	4e-03	8e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	5e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	5e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.0724e+00	2.0695e+00	5e+00	2e+00	2e-16	2e-01
2:	4.2710e+00	4.2697e+00	1e+00	4e-01	1e-15	3e-02
3:	4.7617e+00	4.7615e+00	2e-01	7e-02	2e-15	6e-03
4:	4.8310e+00	4.8309e+00	4e-02	1e-02	2e-15	1e-03
5:	4.8492e+00	4.8492e+00	8e-03	3e-03	4e-15	2e-04
6:	4.8521e+00	4.8521e+00	9e-05	3e-05	2e-15	2e-06
7:	4.8521e+00	4.8521e+00	9e-07	3e-07	3e-15	2e-08
8:	4.8521e+00	4.8521e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4002e+00	2.3984e+00	6e+00	2e+00	2e-16	1e-01
2:	4.1211e+00	4.1206e+00	9e-01	3e-01	2e-15	2e-02
3:	4.3529e+00	4.3528e+00	2e-01	5e-02	5e-16	4e-03
4:	4.4195e+00	4.4195e+00	2e-02	7e-03	2e-15	6e-04
5:	4.4295e+00	4.4295e+00	5e-03	1e-03	8e-16	1e-04
6:	4.4305e+00	4.4305e+00	7e-04	2e-04	7e-15	2e-05
7:	4.4307e+00	4.4307e+00	2e-04	6e-05	2e-15	5e-06
8:	4.4307e+00	4.4307e+00	1e-05	4e-06	3e-15	3e-07
9:	4.4307e+00	4.4307e+00	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----



0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1326e+00	2.1308e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6088e+00	4.6080e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9436e+00	4.9433e+00	4e-01	1e-01	1e-15	9e-03
4:	4.9784e+00	4.9783e+00	7e-02	2e-02	1e-14	2e-03
5:	4.9998e+00	4.9998e+00	7e-04	2e-04	7e-16	2e-05
6:	5.0000e+00	5.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	5.0000e+00	5.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1060e+00	3.1087e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7661e+00	4.7671e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9925e+00	4.9925e+00	4e-02	1e-02	1e-15	9e-04
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	6e-16	9e-06
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	5e-16	9e-08
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7847e+00	2.7829e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7928e+00	4.7921e+00	2e+00	5e-01	3e-15	4e-02
3:	4.9868e+00	4.9867e+00	6e-02	2e-02	2e-15	2e-03
4:	4.9999e+00	4.9999e+00	6e-04	2e-04	6e-16	2e-05
5:	5.0000e+00	5.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4143e+00	2.4150e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6162e+00	4.6165e+00	2e+00	5e-01	2e-15	4e-02
3:	4.8644e+00	4.8646e+00	5e-01	2e-01	3e-15	1e-02
4:	4.9983e+00	4.9983e+00	9e-03	3e-03	3e-16	2e-04
5:	5.0000e+00	5.0000e+00	9e-05	3e-05	5e-16	2e-06
6:	5.0000e+00	5.0000e+00	9e-07	3e-07	6e-16	2e-08
7:	5.0000e+00	5.0000e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1676e+00	3.1663e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6639e+00	4.6633e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9946e+00	4.9946e+00	4e-02	1e-02	1e-15	9e-04
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.5242e+00	2.5234e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8317e+00	4.8313e+00	1e+00	4e-01	8e-16	4e-02
3:	4.9426e+00	4.9425e+00	2e-01	6e-02	3e-15	5e-03
4:	4.9994e+00	4.9994e+00	2e-03	7e-04	4e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3839e+00	3.3850e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8877e+00	4.8879e+00	8e-01	3e-01	3e-15	2e-02
3:	4.9986e+00	4.9986e+00	1e-02	3e-03	8e-16	2e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	7e-16	2e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5672e+00	3.5690e+00	6e+00	2e+00	2e-16	1e-01
2:	4.8268e+00	4.8272e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9978e+00	4.9978e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1555e+00	3.1556e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8056e+00	4.8056e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9969e+00	4.9969e+00	2e-02	6e-03	1e-15	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	6e-16	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9652e+00	2.9676e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8421e+00	4.8428e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9813e+00	4.9814e+00	8e-02	2e-02	4e-15	2e-03
4:	4.9998e+00	4.9998e+00	8e-04	2e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	8e-06	2e-06	6e-16	2e-07
6:	5.0000e+00	5.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0361e+00	3.0367e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7002e+00	4.7005e+00	2e+00	6e-01	8e-16	5e-02
3:	4.9922e+00	4.9922e+00	4e-02	1e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	6e-16	1e-07

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6: 5.0000e+00 5.0000e+00 4e-08 1e-08 3e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.6650e+00 2.6634e+00 6e+00 2e+00 2e-16 2e-01
2: 4.6461e+00 4.6454e+00 2e+00 5e-01 1e-15 4e-02
3: 4.8851e+00 4.8844e+00 5e-01 1e-01 2e-15 1e-02
4: 4.9987e+00 4.9987e+00 7e-03 2e-03 3e-16 2e-04
5: 5.0000e+00 5.0000e+00 7e-05 2e-05 7e-16 2e-06
6: 5.0000e+00 5.0000e+00 7e-07 2e-07 6e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.9637e+00 2.9619e+00 6e+00 2e+00 3e-16 2e-01
2: 4.8243e+00 4.8237e+00 1e+00 4e-01 2e-15 4e-02
3: 4.9935e+00 4.9934e+00 4e-02 1e-02 2e-15 9e-04
4: 4.9999e+00 4.9999e+00 4e-04 1e-04 7e-16 9e-06
5: 5.0000e+00 5.0000e+00 4e-06 1e-06 6e-16 9e-08
6: 5.0000e+00 5.0000e+00 4e-08 1e-08 4e-16 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.4949e+00 2.4986e+00 6e+00 2e+00 2e-16 2e-01
2: 4.6409e+00 4.6424e+00 2e+00 7e-01 1e-15 5e-02
3: 4.9623e+00 4.9626e+00 2e-01 5e-02 4e-15 4e-03
4: 4.9996e+00 4.9996e+00 2e-03 5e-04 3e-16 4e-05
5: 5.0000e+00 5.0000e+00 2e-05 5e-06 5e-16 4e-07
6: 5.0000e+00 5.0000e+00 2e-07 5e-08 5e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 2.6113e+00 2.6179e+00 7e+00 2e+00 2e-16 2e-01
2: 4.5279e+00 4.5297e+00 1e+00 3e-01 2e-15 2e-02
3: 4.8639e+00 4.8644e+00 3e-01 8e-02 5e-16 6e-03
4: 4.9698e+00 4.9700e+00 6e-02 2e-02 6e-16 1e-03
5: 4.9901e+00 4.9901e+00 6e-03 2e-03 6e-15 2e-04
6: 4.9920e+00 4.9920e+00 1e-03 3e-04 3e-14 2e-05
7: 4.9923e+00 4.9923e+00 1e-05 3e-06 2e-14 3e-07
8: 4.9923e+00 4.9923e+00 1e-07 3e-08 2e-14 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2059e+00 3.2074e+00 7e+00 2e+00 2e-16 2e-01
2: 4.8359e+00 4.8363e+00 1e+00 4e-01 1e-15 3e-02
3: 4.9979e+00 4.9979e+00 1e-02 5e-03 7e-16 4e-04
4: 5.0000e+00 5.0000e+00 1e-04 5e-05 1e-15 4e-06
5: 5.0000e+00 5.0000e+00 1e-06 5e-07 9e-16 4e-08
6: 5.0000e+00 5.0000e+00 1e-08 5e-09 9e-16 4e-10

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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1251e+00	3.1276e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8663e+00	4.8668e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9980e+00	4.9980e+00	1e-02	5e-03	2e-15	4e-04
4:	5.0000e+00	5.0000e+00	1e-04	5e-05	1e-15	4e-06
5:	5.0000e+00	5.0000e+00	1e-06	5e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9465e+00	2.9486e+00	6e+00	2e+00	2e-16	1e-01
2:	4.7979e+00	4.7985e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9573e+00	4.9575e+00	2e-01	5e-02	2e-15	4e-03
4:	4.9996e+00	4.9996e+00	2e-03	5e-04	4e-16	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	5.0000e+00	5.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9050e+00	2.9088e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8050e+00	4.8059e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9354e+00	4.9358e+00	2e-01	7e-02	2e-15	5e-03
4:	4.9993e+00	4.9993e+00	2e-03	8e-04	4e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	8e-06	6e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6650e+00	2.6649e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6538e+00	4.6537e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9590e+00	4.9590e+00	4e-01	1e-01	1e-15	1e-02
4:	4.9985e+00	4.9985e+00	8e-03	3e-03	3e-15	2e-04
5:	5.0000e+00	5.0000e+00	8e-05	3e-05	1e-15	2e-06
6:	5.0000e+00	5.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0415e+00	3.0414e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7365e+00	4.7364e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9955e+00	4.9955e+00	3e-02	8e-03	1e-15	7e-04
4:	5.0000e+00	5.0000e+00	3e-04	8e-05	6e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	8e-07	6e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4829e+00	3.4850e+00	6e+00	2e+00	3e-16	2e-01

2:	4.9024e+00	4.9027e+00	7e-01	2e-01	2e-15	2e-02
3:	4.9990e+00	4.9990e+00	8e-03	3e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	8e-05	3e-05	5e-16	2e-06
5:	5.0000e+00	5.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5896e+00	2.5872e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7302e+00	4.7292e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9303e+00	4.9296e+00	3e-01	9e-02	4e-15	7e-03
4:	4.9991e+00	4.9991e+00	4e-03	1e-03	4e-16	1e-04
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	8e-16	1e-06
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1788e+00	3.1775e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8408e+00	4.8404e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9974e+00	4.9974e+00	2e-02	5e-03	2e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2783e+00	3.2786e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9133e+00	4.9133e+00	8e-01	3e-01	2e-15	2e-02
3:	4.9990e+00	4.9990e+00	9e-03	3e-03	6e-16	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	4e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5037e+00	3.5029e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9233e+00	4.9232e+00	6e-01	2e-01	7e-16	1e-02
3:	4.9992e+00	4.9992e+00	6e-03	2e-03	4e-16	1e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	7e-16	1e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2440e+00	3.2452e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7781e+00	4.7785e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9929e+00	4.9929e+00	4e-02	1e-02	1e-15	9e-04
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	5e-16	9e-06
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	5e-16	9e-08
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7409e+00	1.7375e+00	5e+00	2e+00	3e-16	2e-01
2:	3.8037e+00	3.8022e+00	1e+00	3e-01	1e-15	3e-02
3:	4.2309e+00	4.2305e+00	2e-01	7e-02	1e-15	6e-03
4:	4.2972e+00	4.2971e+00	5e-02	2e-02	3e-15	2e-03
5:	4.3180e+00	4.3180e+00	2e-03	7e-04	2e-15	7e-05
6:	4.3188e+00	4.3188e+00	2e-05	7e-06	2e-15	7e-07
7:	4.3188e+00	4.3188e+00	2e-07	7e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7945e+00	2.7944e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6965e+00	4.6964e+00	2e+00	7e-01	8e-16	5e-02
3:	4.9758e+00	4.9758e+00	1e-01	3e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8647e+00	2.8650e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3708e+00	5.3709e+00	1e+00	4e-01	1e-15	3e-02
3:	5.8604e+00	5.8605e+00	3e-01	1e-01	1e-15	8e-03
4:	5.9783e+00	5.9783e+00	1e-01	4e-02	3e-15	3e-03
5:	5.9886e+00	5.9886e+00	3e-02	1e-02	3e-14	8e-04
6:	5.9999e+00	5.9999e+00	4e-04	1e-04	4e-15	1e-05
7:	6.0000e+00	6.0000e+00	4e-06	1e-06	4e-15	1e-07
8:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4744e+00	3.4723e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8778e+00	5.8772e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9927e+00	5.9926e+00	3e-02	1e-02	2e-15	8e-04
4:	5.9999e+00	5.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	6.0000e+00	6.0000e+00	3e-06	1e-06	8e-16	8e-08
6:	6.0000e+00	6.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7252e+00	3.7276e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7431e+00	5.7438e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9887e+00	5.9887e+00	5e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	8e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5879e+00	2.5874e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7759e+00	4.7758e+00	1e+00	4e-01	2e-15	3e-02
3:	5.1985e+00	5.1984e+00	2e-01	7e-02	1e-15	5e-03
4:	5.2950e+00	5.2950e+00	3e-02	8e-03	1e-15	6e-04
5:	5.3057e+00	5.3057e+00	3e-04	9e-05	1e-15	7e-06
6:	5.3058e+00	5.3058e+00	2e-05	5e-06	2e-13	4e-07
7:	5.3058e+00	5.3058e+00	4e-06	1e-06	2e-11	9e-08
8:	5.3058e+00	5.3058e+00	4e-08	1e-08	6e-13	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.5893e+00	2.5860e+00	5e+00	2e+00	3e-16	2e-01
2:	5.0189e+00	5.0170e+00	1e+00	5e-01	1e-15	4e-02
3:	5.5710e+00	5.5706e+00	3e-01	1e-01	2e-15	9e-03
4:	5.6698e+00	5.6697e+00	4e-02	1e-02	5e-15	1e-03
5:	5.6851e+00	5.6851e+00	3e-03	1e-03	1e-15	8e-05
6:	5.6863e+00	5.6863e+00	4e-05	1e-05	6e-16	9e-07
7:	5.6863e+00	5.6863e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7848e+00	2.7864e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5320e+00	5.5325e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9403e+00	5.9405e+00	4e-01	1e-01	1e-15	1e-02
4:	5.9677e+00	5.9678e+00	9e-02	3e-02	5e-15	2e-03
5:	5.9997e+00	5.9997e+00	1e-03	3e-04	6e-16	2e-05
6:	6.0000e+00	6.0000e+00	1e-05	3e-06	1e-15	2e-07
7:	6.0000e+00	6.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5140e+00	3.5139e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8309e+00	5.8308e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9894e+00	5.9894e+00	5e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	9e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	8e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5667e+00	2.5642e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2720e+00	5.2711e+00	9e-01	3e-01	2e-15	2e-02
3:	5.5986e+00	5.5983e+00	2e-01	7e-02	3e-15	6e-03
4:	5.6733e+00	5.6732e+00	5e-02	2e-02	2e-15	1e-03
5:	5.6964e+00	5.6964e+00	9e-04	3e-04	1e-15	2e-05
6:	5.6968e+00	5.6968e+00	9e-06	3e-06	9e-16	2e-07

7: 5.6968e+00 5.6968e+00 9e-08 3e-08 1e-15 2e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9960e+00	2.9977e+00	7e+00	2e+00	3e-16	2e-01
2:	5.2672e+00	5.2677e+00	1e+00	4e-01	3e-15	3e-02
3:	5.7882e+00	5.7883e+00	3e-01	8e-02	3e-15	6e-03
4:	5.8751e+00	5.8751e+00	1e-01	4e-02	2e-15	3e-03
5:	5.9137e+00	5.9137e+00	1e-02	5e-03	3e-15	4e-04
6:	5.9193e+00	5.9193e+00	8e-04	3e-04	1e-15	2e-05
7:	5.9195e+00	5.9195e+00	8e-06	3e-06	1e-15	2e-07
8:	5.9196e+00	5.9196e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6412e+00	2.6426e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9212e+00	4.9216e+00	1e+00	4e-01	8e-16	3e-02
3:	5.5117e+00	5.5118e+00	2e-01	6e-02	2e-15	5e-03
4:	5.5705e+00	5.5705e+00	5e-02	1e-02	8e-15	1e-03
5:	5.5808e+00	5.5808e+00	2e-02	5e-03	6e-15	4e-04
6:	5.5864e+00	5.5864e+00	3e-03	1e-03	3e-15	8e-05
7:	5.5874e+00	5.5874e+00	5e-05	2e-05	6e-15	1e-06
8:	5.5875e+00	5.5875e+00	5e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9122e+00	2.9150e+00	7e+00	2e+00	3e-16	2e-01
2:	5.2867e+00	5.2877e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9091e+00	5.9094e+00	5e-01	1e-01	1e-15	1e-02
4:	5.9530e+00	5.9533e+00	1e-01	5e-02	6e-15	4e-03
5:	5.9995e+00	5.9995e+00	2e-03	6e-04	5e-16	5e-05
6:	6.0000e+00	6.0000e+00	2e-05	6e-06	8e-16	5e-07
7:	6.0000e+00	6.0000e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5643e+00	1.5611e+00	5e+00	2e+00	2e-16	2e-01
2:	3.4996e+00	3.4977e+00	2e+00	5e-01	9e-16	5e-02
3:	4.0553e+00	4.0548e+00	4e-01	1e-01	1e-15	1e-02
4:	4.1660e+00	4.1660e+00	3e-02	8e-03	2e-15	7e-04
5:	4.1769e+00	4.1769e+00	9e-04	3e-04	7e-16	2e-05
6:	4.1772e+00	4.1772e+00	9e-06	3e-06	7e-16	2e-07
7:	4.1772e+00	4.1772e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5812e+00	3.5832e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5295e+00	5.5304e+00	2e+00	7e-01	6e-16	5e-02



3:	5.9445e+00	5.9447e+00	3e-01	9e-02	2e-15	7e-03
4:	5.9994e+00	5.9994e+00	3e-03	1e-03	4e-16	8e-05
5:	6.0000e+00	6.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	6.0000e+00	6.0000e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9272e+00	3.9308e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7899e+00	5.7907e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9884e+00	5.9884e+00	5e-02	1e-02	7e-16	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	1e-04	4e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	1e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0911e+00	4.0907e+00	6e+00	2e+00	2e-16	1e-01
2:	5.6516e+00	5.6515e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9650e+00	5.9649e+00	2e-01	6e-02	4e-15	4e-03
4:	5.9996e+00	5.9996e+00	2e-03	6e-04	3e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3747e+00	2.3721e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7913e+00	4.7903e+00	1e+00	4e-01	2e-15	3e-02
3:	5.2741e+00	5.2738e+00	2e-01	7e-02	9e-16	6e-03
4:	5.3551e+00	5.3551e+00	5e-02	1e-02	3e-15	1e-03
5:	5.3647e+00	5.3646e+00	2e-02	5e-03	3e-14	4e-04
6:	5.3682e+00	5.3682e+00	7e-03	2e-03	2e-14	2e-04
7:	5.3708e+00	5.3708e+00	9e-05	3e-05	5e-15	2e-06
8:	5.3709e+00	5.3709e+00	9e-07	3e-07	3e-15	2e-08
9:	5.3709e+00	5.3709e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5971e+00	3.5982e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7858e+00	5.7861e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9446e+00	5.9447e+00	2e-01	6e-02	3e-15	5e-03
4:	5.9994e+00	5.9994e+00	2e-03	6e-04	6e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	6e-06	7e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2477e+00	4.2491e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8478e+00	5.8480e+00	8e-01	3e-01	1e-15	2e-02

3:	5.9983e+00	5.9983e+00	9e-03	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8920e+00	3.8956e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9040e+00	5.9045e+00	7e-01	2e-01	1e-15	2e-02
3:	5.9987e+00	5.9987e+00	8e-03	3e-03	9e-16	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	3e-05	9e-16	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0537e+00	3.0519e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7626e+00	5.7620e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9659e+00	5.9657e+00	1e-01	4e-02	5e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	3e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0045e+00	3.0026e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2306e+00	5.2300e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7992e+00	5.7990e+00	1e-01	5e-02	1e-15	4e-03
4:	5.8380e+00	5.8380e+00	3e-02	8e-03	1e-15	7e-04
5:	5.8469e+00	5.8469e+00	7e-03	2e-03	1e-15	2e-04
6:	5.8489e+00	5.8489e+00	4e-04	1e-04	2e-15	1e-05
7:	5.8491e+00	5.8491e+00	4e-06	1e-06	7e-16	1e-07
8:	5.8491e+00	5.8491e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8811e+00	3.8805e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7014e+00	5.7012e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9954e+00	5.9954e+00	3e-02	9e-03	2e-15	7e-04
4:	6.0000e+00	6.0000e+00	3e-04	9e-05	7e-16	7e-06
5:	6.0000e+00	6.0000e+00	3e-06	9e-07	6e-16	7e-08
6:	6.0000e+00	6.0000e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5299e+00	3.5319e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6143e+00	5.6150e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9233e+00	5.9236e+00	6e-01	2e-01	1e-15	1e-02
4:	5.9806e+00	5.9807e+00	9e-02	3e-02	4e-15	2e-03
5:	5.9998e+00	5.9998e+00	9e-04	3e-04	7e-16	2e-05

6:	6.0000e+00	6.0000e+00	9e-06	3e-06	9e-16	2e-07
7:	6.0000e+00	6.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3290e+00	3.3289e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6083e+00	5.6082e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9437e+00	5.9437e+00	2e-01	7e-02	2e-15	5e-03
4:	5.9994e+00	5.9994e+00	2e-03	7e-04	6e-16	6e-05
5:	6.0000e+00	6.0000e+00	2e-05	7e-06	8e-16	6e-07
6:	6.0000e+00	6.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5722e+00	3.5753e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5604e+00	5.5617e+00	2e+00	7e-01	1e-15	5e-02
3:	5.9789e+00	5.9790e+00	9e-02	3e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	9e-04	3e-04	4e-16	2e-05
5:	6.0000e+00	6.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	6.0000e+00	6.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6678e+00	2.6657e+00	6e+00	2e+00	3e-16	2e-01
2:	5.1283e+00	5.1275e+00	1e+00	4e-01	2e-15	3e-02
3:	5.4409e+00	5.4404e+00	4e-01	1e-01	2e-15	1e-02
4:	5.5507e+00	5.5506e+00	9e-02	3e-02	2e-15	2e-03
5:	5.5858e+00	5.5857e+00	1e-02	4e-03	2e-15	3e-04
6:	5.5893e+00	5.5893e+00	2e-03	5e-04	2e-14	4e-05
7:	5.5899e+00	5.5899e+00	2e-05	5e-06	6e-16	4e-07
8:	5.5899e+00	5.5899e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5437e+00	3.5452e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8031e+00	5.8036e+00	1e+00	3e-01	1e-15	3e-02
3:	5.9405e+00	5.9407e+00	2e-01	6e-02	2e-15	5e-03
4:	5.9994e+00	5.9994e+00	2e-03	7e-04	5e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	7e-06	5e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6350e+00	3.6358e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7234e+00	5.7237e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9519e+00	5.9521e+00	2e-01	6e-02	2e-15	5e-03
4:	5.9995e+00	5.9995e+00	2e-03	7e-04	5e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	7e-06	5e-16	5e-07

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6: 6.0000e+00 6.0000e+00 2e-07 7e-08 3e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.9293e+00 1.9273e+00 6e+00 2e+00 3e-16 2e-01
2: 3.7060e+00 3.7053e+00 1e+00 4e-01 1e-15 3e-02
3: 4.1124e+00 4.1121e+00 4e-01 1e-01 6e-16 1e-02
4: 4.2559e+00 4.2558e+00 9e-02 3e-02 2e-15 2e-03
5: 4.2849e+00 4.2849e+00 2e-02 7e-03 9e-16 6e-04
6: 4.2905e+00 4.2905e+00 3e-03 1e-03 7e-15 8e-05
7: 4.2918e+00 4.2918e+00 3e-04 9e-05 7e-16 7e-06
8: 4.2919e+00 4.2919e+00 3e-06 9e-07 3e-15 7e-08
9: 4.2919e+00 4.2919e+00 3e-08 9e-09 2e-15 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2617e+00 3.2596e+00 6e+00 2e+00 3e-16 2e-01
2: 5.3666e+00 5.3656e+00 2e+00 5e-01 2e-15 4e-02
3: 5.9207e+00 5.9203e+00 5e-01 2e-01 2e-15 1e-02
4: 5.9804e+00 5.9803e+00 6e-02 2e-02 6e-15 2e-03
5: 5.9998e+00 5.9998e+00 7e-04 2e-04 1e-15 2e-05
6: 6.0000e+00 6.0000e+00 7e-06 2e-06 1e-15 2e-07
7: 6.0000e+00 6.0000e+00 7e-08 2e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 2.2012e+00 2.1979e+00 5e+00 2e+00 2e-16 2e-01
2: 4.6010e+00 4.5991e+00 1e+00 4e-01 2e-15 3e-02
3: 4.8978e+00 4.8970e+00 4e-01 1e-01 1e-15 1e-02
4: 5.0619e+00 5.0617e+00 1e-01 4e-02 9e-16 3e-03
5: 5.1046e+00 5.1046e+00 7e-03 2e-03 2e-15 2e-04
6: 5.1074e+00 5.1074e+00 7e-05 2e-05 7e-16 2e-06
7: 5.1074e+00 5.1074e+00 7e-07 2e-07 3e-16 2e-08
8: 5.1074e+00 5.1074e+00 7e-09 2e-09 9e-16 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8009e+00 2.8036e+00 7e+00 2e+00 2e-16 2e-01
2: 5.4425e+00 5.4434e+00 2e+00 5e-01 1e-15 4e-02
3: 5.9311e+00 5.9313e+00 5e-01 1e-01 1e-15 1e-02
4: 5.9729e+00 5.9730e+00 8e-02 3e-02 8e-15 2e-03
5: 5.9997e+00 5.9997e+00 9e-04 3e-04 9e-16 2e-05
6: 6.0000e+00 6.0000e+00 9e-06 3e-06 1e-15 2e-07
7: 6.0000e+00 6.0000e+00 9e-08 3e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.3948e+00 3.3978e+00 7e+00 2e+00 2e-16 2e-01

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2:	5.3956e+00	5.3965e+00	1e+00	5e-01	2e-15	3e-02
3:	5.9529e+00	5.9531e+00	3e-01	1e-01	1e-15	8e-03
4:	5.9897e+00	5.9897e+00	3e-02	1e-02	1e-14	7e-04
5:	5.9999e+00	5.9999e+00	3e-04	1e-04	9e-16	8e-06
6:	6.0000e+00	6.0000e+00	3e-06	1e-06	1e-15	8e-08
7:	6.0000e+00	6.0000e+00	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6540e+00	1.6512e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6463e+00	3.6449e+00	1e+00	4e-01	2e-15	4e-02
3:	4.0617e+00	4.0613e+00	3e-01	9e-02	6e-16	8e-03
4:	4.1418e+00	4.1418e+00	3e-02	9e-03	1e-15	8e-04
5:	4.1540e+00	4.1540e+00	5e-04	2e-04	5e-16	1e-05
6:	4.1542e+00	4.1542e+00	5e-06	2e-06	5e-16	1e-07
7:	4.1542e+00	4.1542e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4409e+00	3.4385e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5890e+00	5.5880e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9830e+00	5.9829e+00	8e-02	3e-02	3e-15	2e-03
4:	5.9998e+00	5.9998e+00	8e-04	3e-04	9e-16	2e-05
5:	6.0000e+00	6.0000e+00	8e-06	3e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8385e+00	3.8381e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6402e+00	5.6401e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9395e+00	5.9394e+00	3e-01	9e-02	4e-15	7e-03
4:	5.9987e+00	5.9987e+00	5e-03	2e-03	1e-15	1e-04
5:	6.0000e+00	6.0000e+00	5e-05	2e-05	9e-16	1e-06
6:	6.0000e+00	6.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9174e+00	3.9194e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6767e+00	5.6774e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9938e+00	5.9938e+00	3e-02	9e-03	1e-15	7e-04
4:	5.9999e+00	5.9999e+00	3e-04	9e-05	5e-16	7e-06
5:	6.0000e+00	6.0000e+00	3e-06	9e-07	7e-16	7e-08
6:	6.0000e+00	6.0000e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4301e+00	3.4332e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5900e+00	5.5912e+00	2e+00	6e-01	2e-15	5e-02

3:	5.9750e+00	5.9752e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9997e+00	5.9998e+00	1e-03	4e-04	5e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8417e+00	3.8443e+00	6e+00	2e+00	2e-16	1e-01
2:	5.4774e+00	5.4785e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9075e+00	5.9079e+00	6e-01	2e-01	1e-15	1e-02
4:	5.9936e+00	5.9936e+00	3e-02	8e-03	4e-15	6e-04
5:	5.9999e+00	5.9999e+00	3e-04	8e-05	5e-16	6e-06
6:	6.0000e+00	6.0000e+00	3e-06	8e-07	6e-16	6e-08
7:	6.0000e+00	6.0000e+00	3e-08	8e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9064e+00	3.9067e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6588e+00	5.6589e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9865e+00	5.9865e+00	5e-02	2e-02	3e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.6694e+00	2.6771e+00	7e+00	2e+00	2e-16	1e-01
2:	5.0573e+00	5.0602e+00	2e+00	6e-01	9e-16	4e-02
3:	5.6975e+00	5.6982e+00	4e-01	1e-01	8e-16	9e-03
4:	5.8313e+00	5.8314e+00	4e-02	1e-02	2e-15	9e-04
5:	5.8472e+00	5.8472e+00	5e-04	2e-04	1e-15	1e-05
6:	5.8474e+00	5.8474e+00	5e-06	2e-06	1e-15	1e-07
7:	5.8474e+00	5.8474e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	3.3230e+00	3.3199e+00	5e+00	2e+00	2e-16	2e-01
2:	5.5495e+00	5.5479e+00	2e+00	5e-01	2e-15	5e-02
3:	5.9491e+00	5.9487e+00	3e-01	9e-02	4e-15	8e-03
4:	5.9994e+00	5.9994e+00	3e-03	1e-03	4e-15	9e-05
5:	6.0000e+00	6.0000e+00	3e-05	1e-05	3e-15	9e-07
6:	6.0000e+00	6.0000e+00	3e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2964e+00	2.2932e+00	5e+00	2e+00	3e-16	2e-01
2:	5.0776e+00	5.0758e+00	1e+00	4e-01	1e-15	4e-02
3:	5.4968e+00	5.4964e+00	2e-01	7e-02	1e-15	7e-03

4:	5.5778e+00	5.5778e+00	2e-02	7e-03	7e-16	6e-04
5:	5.5868e+00	5.5868e+00	1e-03	3e-04	8e-16	3e-05
6:	5.5872e+00	5.5872e+00	1e-05	3e-06	6e-16	3e-07
7:	5.5872e+00	5.5872e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1986e+00	4.1992e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6943e+00	5.6945e+00	1e+00	4e-01	2e-15	4e-02
3:	5.9962e+00	5.9962e+00	2e-02	6e-03	1e-15	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	6e-16	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	9e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6306e+00	2.6348e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8024e+00	4.8036e+00	2e+00	5e-01	6e-16	4e-02
3:	5.6295e+00	5.6298e+00	3e-01	9e-02	1e-15	7e-03
4:	5.6947e+00	5.6948e+00	7e-02	2e-02	4e-15	2e-03
5:	5.7238e+00	5.7238e+00	4e-03	1e-03	1e-15	9e-05
6:	5.7251e+00	5.7251e+00	4e-05	1e-05	1e-15	9e-07
7:	5.7251e+00	5.7251e+00	4e-07	1e-07	2e-15	9e-09
8:	5.7251e+00	5.7251e+00	4e-09	1e-09	1e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3693e+00	2.3671e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7457e+00	4.7448e+00	1e+00	4e-01	1e-15	4e-02
3:	5.2395e+00	5.2393e+00	3e-01	8e-02	1e-15	7e-03
4:	5.3500e+00	5.3499e+00	5e-02	2e-02	7e-16	1e-03
5:	5.3673e+00	5.3673e+00	2e-03	7e-04	2e-15	6e-05
6:	5.3681e+00	5.3681e+00	2e-05	7e-06	8e-16	6e-07
7:	5.3681e+00	5.3681e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2428e+00	4.2446e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8573e+00	5.8576e+00	9e-01	3e-01	2e-15	2e-02
3:	5.9984e+00	5.9984e+00	1e-02	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1041e+00	3.1028e+00	6e+00	2e+00	2e-16	2e-01
2:	5.2073e+00	5.2069e+00	1e+00	4e-01	2e-15	3e-02
3:	5.7875e+00	5.7873e+00	4e-01	1e-01	1e-15	1e-02

4:	5.9307e+00	5.9307e+00	9e-02	3e-02	2e-15	2e-03
5:	5.9697e+00	5.9696e+00	7e-03	2e-03	2e-15	2e-04
6:	5.9720e+00	5.9720e+00	1e-04	3e-05	2e-14	3e-06
7:	5.9721e+00	5.9721e+00	1e-06	3e-07	8e-15	3e-08
8:	5.9721e+00	5.9721e+00	1e-08	3e-09	9e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4820e+00	2.4804e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8938e+00	4.8932e+00	1e+00	4e-01	1e-15	3e-02
3:	5.3848e+00	5.3846e+00	3e-01	9e-02	2e-15	8e-03
4:	5.5143e+00	5.5143e+00	5e-02	1e-02	9e-16	1e-03
5:	5.5325e+00	5.5325e+00	2e-03	5e-04	3e-15	4e-05
6:	5.5332e+00	5.5332e+00	2e-05	5e-06	9e-16	4e-07
7:	5.5332e+00	5.5332e+00	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3969e+00	3.3966e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7798e+00	5.7797e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9685e+00	5.9685e+00	1e-01	3e-02	4e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	7e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3251e+00	4.3281e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7614e+00	6.7621e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9884e+00	6.9884e+00	4e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	9e-16	1e-07
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8034e+00	2.8013e+00	6e+00	2e+00	2e-16	2e-01
2:	5.1238e+00	5.1230e+00	1e+00	4e-01	7e-16	3e-02
3:	5.4694e+00	5.4692e+00	3e-01	9e-02	7e-16	8e-03
4:	5.5873e+00	5.5872e+00	2e-02	8e-03	8e-16	6e-04
5:	5.5943e+00	5.5943e+00	3e-03	1e-03	7e-15	8e-05
6:	5.5953e+00	5.5953e+00	7e-04	2e-04	2e-15	2e-05
7:	5.5955e+00	5.5955e+00	3e-05	1e-05	3e-15	9e-07
8:	5.5956e+00	5.5956e+00	3e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2058e+00	4.2063e+00	7e+00	2e+00	2e-16	2e-01



2:	6.6049e+00	6.6050e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9748e+00	6.9748e+00	1e-01	3e-02	3e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	1e-15	2e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	1e-15	2e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5109e+00	3.5099e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4956e+00	6.4953e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9366e+00	6.9365e+00	3e-01	1e-01	2e-15	9e-03
4:	6.9888e+00	6.9888e+00	3e-02	1e-02	9e-15	9e-04
5:	6.9999e+00	6.9999e+00	4e-04	1e-04	1e-15	9e-06
6:	7.0000e+00	7.0000e+00	4e-06	1e-06	1e-15	9e-08
7:	7.0000e+00	7.0000e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7638e+00	3.7614e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5034e+00	6.5022e+00	2e+00	6e-01	2e-15	5e-02
3:	6.9440e+00	6.9436e+00	2e-01	7e-02	3e-15	6e-03
4:	6.9994e+00	6.9994e+00	3e-03	8e-04	1e-15	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	8e-06	1e-15	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0631e+00	4.0624e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5075e+00	6.5072e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9479e+00	6.9478e+00	2e-01	7e-02	2e-15	6e-03
4:	6.9995e+00	6.9995e+00	2e-03	8e-04	6e-16	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	8e-06	6e-16	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3223e+00	4.3268e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7040e+00	6.7054e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9890e+00	6.9891e+00	4e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9848e+00	3.9899e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5045e+00	6.5065e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9583e+00	6.9587e+00	2e-01	6e-02	2e-15	5e-03

4:	6.9996e+00	6.9996e+00	2e-03	6e-04	9e-16	5e-05
5:	7.0000e+00	7.0000e+00	2e-05	6e-06	7e-16	5e-07
6:	7.0000e+00	7.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3100e+00	3.3098e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0906e+00	6.0905e+00	1e+00	4e-01	1e-15	3e-02
3:	6.6565e+00	6.6564e+00	3e-01	9e-02	8e-16	8e-03
4:	6.7386e+00	6.7385e+00	6e-02	2e-02	2e-15	2e-03
5:	6.7658e+00	6.7658e+00	2e-03	5e-04	1e-15	4e-05
6:	6.7665e+00	6.7665e+00	2e-05	5e-06	8e-16	4e-07
7:	6.7665e+00	6.7665e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6620e+00	3.6649e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5268e+00	5.5280e+00	2e+00	6e-01	1e-15	5e-02
3:	6.0427e+00	6.0433e+00	8e-01	2e-01	9e-16	2e-02
4:	6.1852e+00	6.1855e+00	3e-01	8e-02	1e-15	6e-03
5:	6.2652e+00	6.2653e+00	7e-02	2e-02	7e-16	2e-03
6:	6.2847e+00	6.2847e+00	1e-02	4e-03	2e-15	3e-04
7:	6.2887e+00	6.2887e+00	1e-03	4e-04	7e-16	3e-05
8:	6.2891e+00	6.2891e+00	2e-05	6e-06	8e-16	5e-07
9:	6.2891e+00	6.2891e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9189e+00	4.9196e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9071e+00	6.9072e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9990e+00	6.9990e+00	5e-03	2e-03	6e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6109e+00	4.6144e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7620e+00	6.7628e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9912e+00	6.9912e+00	4e-02	1e-02	8e-16	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	8e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	8e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8884e+00	3.8876e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5669e+00	6.5666e+00	1e+00	5e-01	1e-15	4e-02
3:	6.8817e+00	6.8815e+00	3e-01	1e-01	4e-15	8e-03

4:	6.9987e+00	6.9987e+00	4e-03	1e-03	5e-16	1e-04
5:	7.0000e+00	7.0000e+00	4e-05	1e-05	8e-16	1e-06
6:	7.0000e+00	7.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.3360e+00	3.3424e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7308e+00	5.7336e+00	2e+00	7e-01	2e-15	5e-02
3:	6.3748e+00	6.3757e+00	6e-01	2e-01	9e-16	1e-02
4:	6.5796e+00	6.5798e+00	1e-01	4e-02	1e-15	3e-03
5:	6.6164e+00	6.6164e+00	1e-02	3e-03	2e-15	2e-04
6:	6.6205e+00	6.6205e+00	1e-04	3e-05	9e-16	3e-06
7:	6.6205e+00	6.6205e+00	1e-06	3e-07	9e-16	3e-08
8:	6.6205e+00	6.6205e+00	1e-08	3e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1436e+00	3.1445e+00	6e+00	2e+00	2e-16	1e-01
2:	5.5808e+00	5.5812e+00	2e+00	5e-01	2e-15	4e-02
3:	6.2611e+00	6.2612e+00	3e-01	1e-01	2e-15	8e-03
4:	6.3563e+00	6.3563e+00	9e-02	3e-02	4e-15	2e-03
5:	6.3843e+00	6.3843e+00	1e-02	4e-03	6e-15	3e-04
6:	6.3892e+00	6.3892e+00	1e-03	4e-04	2e-15	3e-05
7:	6.3897e+00	6.3897e+00	1e-05	4e-06	8e-16	3e-07
8:	6.3897e+00	6.3897e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.7077e+00	3.7179e+00	8e+00	2e+00	2e-16	2e-01
2:	6.4565e+00	6.4592e+00	1e+00	4e-01	5e-16	3e-02
3:	6.9231e+00	6.9239e+00	4e-01	1e-01	8e-16	9e-03
4:	6.9752e+00	6.9755e+00	7e-02	2e-02	9e-15	2e-03
5:	6.9997e+00	6.9997e+00	9e-04	3e-04	6e-16	2e-05
6:	7.0000e+00	7.0000e+00	9e-06	3e-06	1e-15	2e-07
7:	7.0000e+00	7.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8702e+00	3.8725e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4767e+00	6.4776e+00	2e+00	6e-01	1e-15	5e-02
3:	6.8699e+00	6.8706e+00	4e-01	1e-01	2e-15	1e-02
4:	6.9985e+00	6.9985e+00	6e-03	2e-03	5e-16	1e-04
5:	7.0000e+00	7.0000e+00	6e-05	2e-05	4e-16	1e-06
6:	7.0000e+00	7.0000e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2777e+00	4.2754e+00	6e+00	2e+00	3e-16	2e-01

2:	6.5431e+00	6.5423e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9799e+00	6.9797e+00	1e-01	3e-02	3e-15	3e-03
4:	6.9998e+00	6.9998e+00	1e-03	3e-04	5e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2643e+00	4.2650e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7975e+00	6.7977e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9821e+00	6.9821e+00	5e-02	2e-02	3e-15	1e-03
4:	6.9998e+00	6.9998e+00	5e-04	2e-04	9e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1356e+00	4.1362e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7592e+00	6.7594e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9699e+00	6.9699e+00	1e-01	3e-02	3e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	8e-16	2e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	7e-16	2e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6958e+00	3.6961e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6053e+00	6.6054e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9568e+00	6.9568e+00	2e-01	6e-02	3e-15	5e-03
4:	6.9995e+00	6.9995e+00	2e-03	8e-04	3e-15	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	8e-06	3e-15	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0488e+00	4.0477e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4847e+00	6.4842e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9700e+00	6.9699e+00	1e-01	4e-02	3e-15	4e-03
4:	6.9997e+00	6.9997e+00	1e-03	5e-04	8e-16	4e-05
5:	7.0000e+00	7.0000e+00	1e-05	5e-06	7e-16	4e-07
6:	7.0000e+00	7.0000e+00	1e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2219e+00	3.2218e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0130e+00	6.0130e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4829e+00	6.4829e+00	4e-01	1e-01	7e-16	1e-02
4:	6.6240e+00	6.6240e+00	8e-02	3e-02	2e-15	2e-03

5:	6.6589e+00	6.6589e+00	5e-03	1e-03	4e-15	1e-04
6:	6.6606e+00	6.6606e+00	5e-05	2e-05	8e-15	1e-06
7:	6.6606e+00	6.6606e+00	5e-07	2e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7566e+00	3.7600e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8955e+00	5.8967e+00	2e+00	5e-01	1e-15	4e-02
3:	6.4574e+00	6.4577e+00	4e-01	1e-01	7e-16	9e-03
4:	6.5922e+00	6.5923e+00	6e-02	2e-02	2e-15	2e-03
5:	6.6170e+00	6.6170e+00	2e-02	5e-03	1e-15	4e-04
6:	6.6216e+00	6.6216e+00	3e-03	8e-04	1e-14	6e-05
7:	6.6227e+00	6.6227e+00	4e-05	1e-05	9e-16	1e-06
8:	6.6227e+00	6.6227e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0255e+00	4.0248e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3965e+00	6.3962e+00	2e+00	6e-01	3e-15	5e-02
3:	6.8435e+00	6.8434e+00	5e-01	2e-01	2e-15	1e-02
4:	6.9709e+00	6.9709e+00	2e-01	5e-02	4e-15	4e-03
5:	6.9985e+00	6.9985e+00	7e-03	2e-03	7e-15	2e-04
6:	7.0000e+00	7.0000e+00	7e-05	2e-05	3e-15	2e-06
7:	7.0000e+00	7.0000e+00	7e-07	2e-07	2e-15	2e-08
8:	7.0000e+00	7.0000e+00	7e-09	2e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3486e+00	3.3510e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7781e+00	5.7789e+00	1e+00	5e-01	1e-15	3e-02
3:	6.3907e+00	6.3908e+00	2e-01	6e-02	9e-16	5e-03
4:	6.4610e+00	6.4610e+00	4e-02	1e-02	3e-15	1e-03
5:	6.4751e+00	6.4751e+00	3e-03	9e-04	1e-14	7e-05
6:	6.4763e+00	6.4763e+00	3e-05	9e-06	2e-15	7e-07
7:	6.4763e+00	6.4763e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0248e+00	4.0262e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6154e+00	6.6158e+00	1e+00	3e-01	1e-15	3e-02
3:	6.9473e+00	6.9475e+00	3e-01	1e-01	2e-15	7e-03
4:	6.9947e+00	6.9947e+00	2e-02	5e-03	4e-15	4e-04
5:	6.9999e+00	6.9999e+00	2e-04	5e-05	9e-16	4e-06
6:	7.0000e+00	7.0000e+00	2e-06	5e-07	1e-15	4e-08
7:	7.0000e+00	7.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.8395e+00	3.8434e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6416e+00	6.6429e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9708e+00	6.9710e+00	1e-01	3e-02	2e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	8e-16	2e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	7e-16	2e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2105e+00	4.2125e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8081e+00	6.8086e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9899e+00	6.9900e+00	3e-02	1e-02	2e-15	9e-04
4:	6.9999e+00	6.9999e+00	3e-04	1e-04	7e-16	9e-06
5:	7.0000e+00	7.0000e+00	3e-06	1e-06	7e-16	9e-08
6:	7.0000e+00	7.0000e+00	3e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0917e+00	4.0922e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4480e+00	6.4483e+00	2e+00	7e-01	1e-15	5e-02
3:	6.9250e+00	6.9251e+00	3e-01	9e-02	3e-15	7e-03
4:	6.9992e+00	6.9992e+00	3e-03	9e-04	4e-16	8e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	4e-16	8e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0131e+00	3.0164e+00	7e+00	2e+00	2e-16	2e-01
2:	5.3865e+00	5.3877e+00	2e+00	6e-01	2e-15	4e-02
3:	5.8771e+00	5.8775e+00	4e-01	1e-01	1e-15	1e-02
4:	6.0160e+00	6.0160e+00	5e-02	2e-02	6e-16	1e-03
5:	6.0356e+00	6.0356e+00	1e-02	4e-03	7e-16	3e-04
6:	6.0400e+00	6.0400e+00	5e-04	2e-04	2e-15	1e-05
7:	6.0402e+00	6.0402e+00	6e-06	2e-06	4e-15	1e-07
8:	6.0402e+00	6.0402e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0706e+00	3.0705e+00	6e+00	2e+00	3e-16	2e-01
2:	6.0374e+00	6.0373e+00	1e+00	5e-01	2e-15	4e-02
3:	6.5108e+00	6.5108e+00	4e-01	1e-01	1e-15	1e-02
4:	6.6293e+00	6.6293e+00	5e-02	2e-02	2e-15	1e-03
5:	6.6481e+00	6.6481e+00	1e-02	3e-03	2e-15	3e-04
6:	6.6511e+00	6.6511e+00	9e-04	3e-04	4e-14	2e-05
7:	6.6514e+00	6.6514e+00	1e-05	4e-06	3e-15	3e-07
8:	6.6514e+00	6.6514e+00	1e-07	4e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9529e+00	2.9526e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5781e+00	5.5780e+00	1e+00	3e-01	2e-15	3e-02
3:	6.0800e+00	6.0799e+00	2e-01	6e-02	2e-15	4e-03
4:	6.1454e+00	6.1454e+00	2e-02	5e-03	3e-15	4e-04
5:	6.1526e+00	6.1526e+00	2e-04	8e-05	1e-15	6e-06
6:	6.1527e+00	6.1527e+00	2e-06	8e-07	1e-15	6e-08
7:	6.1527e+00	6.1527e+00	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4160e+00	4.4170e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4460e+00	6.4463e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9355e+00	6.9356e+00	3e-01	1e-01	2e-15	8e-03
4:	6.9984e+00	6.9984e+00	6e-03	2e-03	3e-15	2e-04
5:	7.0000e+00	7.0000e+00	6e-05	2e-05	2e-15	2e-06
6:	7.0000e+00	7.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.1908e+00	3.1971e+00	8e+00	2e+00	2e-16	2e-01
2:	5.8210e+00	5.8226e+00	1e+00	4e-01	1e-15	3e-02
3:	6.2873e+00	6.2876e+00	2e-01	8e-02	2e-15	5e-03
4:	6.3702e+00	6.3703e+00	5e-02	2e-02	4e-15	1e-03
5:	6.3940e+00	6.3941e+00	3e-03	9e-04	2e-15	7e-05
6:	6.3952e+00	6.3952e+00	3e-05	1e-05	5e-15	7e-07
7:	6.3952e+00	6.3952e+00	3e-07	1e-07	5e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9204e+00	3.9205e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3911e+00	6.3911e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9526e+00	6.9527e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9994e+00	6.9994e+00	3e-03	1e-03	1e-15	8e-05
5:	7.0000e+00	7.0000e+00	3e-05	1e-05	2e-15	8e-07
6:	7.0000e+00	7.0000e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1847e+00	3.1825e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5164e+00	5.5154e+00	2e+00	6e-01	2e-15	5e-02
3:	6.2637e+00	6.2633e+00	5e-01	2e-01	9e-16	1e-02
4:	6.4148e+00	6.4147e+00	1e-01	3e-02	4e-15	3e-03
5:	6.4589e+00	6.4589e+00	1e-02	3e-03	7e-16	3e-04
6:	6.4630e+00	6.4630e+00	1e-04	3e-05	2e-15	3e-06
7:	6.4630e+00	6.4630e+00	1e-06	3e-07	1e-15	3e-08
8:	6.4630e+00	6.4630e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2349e+00	4.2350e+00	7e+00	2e+00	4e-16	2e-01
2:	6.4572e+00	6.4572e+00	2e+00	7e-01	8e-16	5e-02
3:	6.9670e+00	6.9670e+00	1e-01	5e-02	2e-15	4e-03
4:	6.9997e+00	6.9997e+00	1e-03	5e-04	4e-16	4e-05
5:	7.0000e+00	7.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	7.0000e+00	7.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5317e+00	3.5309e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4121e+00	6.4118e+00	1e+00	4e-01	1e-15	3e-02
3:	6.7780e+00	6.7779e+00	2e-01	6e-02	1e-15	4e-03
4:	6.8506e+00	6.8506e+00	2e-02	6e-03	1e-15	5e-04
5:	6.8582e+00	6.8582e+00	4e-04	1e-04	2e-15	1e-05
6:	6.8584e+00	6.8584e+00	4e-06	1e-06	1e-15	1e-07
7:	6.8584e+00	6.8584e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8523e+00	3.8520e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4691e+00	6.4690e+00	2e+00	5e-01	2e-15	4e-02
3:	6.8971e+00	6.8971e+00	4e-01	1e-01	2e-15	1e-02
4:	6.9964e+00	6.9964e+00	1e-02	4e-03	3e-15	3e-04
5:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	7.0000e+00	7.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5699e+00	4.5703e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6567e+00	6.6568e+00	2e+00	5e-01	8e-16	4e-02
3:	6.9841e+00	6.9841e+00	7e-02	2e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	3e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9734e+00	2.9772e+00	6e+00	2e+00	2e-16	1e-01
2:	5.6592e+00	5.6605e+00	1e+00	4e-01	1e-15	3e-02
3:	6.1427e+00	6.1431e+00	3e-01	9e-02	1e-15	7e-03
4:	6.2280e+00	6.2281e+00	4e-02	1e-02	2e-15	1e-03
5:	6.2420e+00	6.2421e+00	5e-03	2e-03	1e-14	1e-04
6:	6.2441e+00	6.2441e+00	1e-04	4e-05	8e-15	3e-06
7:	6.2442e+00	6.2442e+00	1e-06	4e-07	1e-14	3e-08
8:	6.2442e+00	6.2442e+00	1e-08	4e-09	2e-14	3e-10



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9240e+00	3.9251e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7753e+00	6.7756e+00	1e+00	4e-01	3e-15	3e-02
3:	6.9808e+00	6.9808e+00	7e-02	2e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7816e+00	2.7800e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3936e+00	5.3929e+00	1e+00	4e-01	1e-15	3e-02
3:	5.7782e+00	5.7779e+00	3e-01	8e-02	8e-16	7e-03
4:	5.8854e+00	5.8854e+00	3e-02	8e-03	5e-16	6e-04
5:	5.8951e+00	5.8951e+00	3e-04	9e-05	8e-16	7e-06
6:	5.8952e+00	5.8952e+00	3e-06	9e-07	8e-16	7e-08
7:	5.8952e+00	5.8952e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3765e+00	4.3775e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5423e+00	6.5425e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9574e+00	6.9575e+00	2e-01	5e-02	3e-15	4e-03
4:	6.9995e+00	6.9995e+00	2e-03	6e-04	1e-15	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	6e-06	1e-15	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6224e+00	3.6240e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4773e+00	6.4777e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9453e+00	6.9454e+00	2e-01	6e-02	1e-15	5e-03
4:	6.9925e+00	6.9925e+00	3e-02	9e-03	3e-14	7e-04
5:	6.9999e+00	6.9999e+00	3e-04	1e-04	5e-15	8e-06
6:	7.0000e+00	7.0000e+00	3e-06	1e-06	8e-15	8e-08
7:	7.0000e+00	7.0000e+00	3e-08	1e-08	7e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8201e+00	2.8179e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4853e+00	5.4844e+00	1e+00	4e-01	3e-15	3e-02
3:	5.8789e+00	5.8786e+00	2e-01	7e-02	2e-15	6e-03
4:	5.9534e+00	5.9534e+00	3e-02	9e-03	2e-15	7e-04
5:	5.9636e+00	5.9635e+00	8e-03	3e-03	1e-15	2e-04
6:	5.9665e+00	5.9665e+00	1e-04	5e-05	9e-16	4e-06
7:	5.9666e+00	5.9666e+00	1e-06	5e-07	1e-15	4e-08

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8: 5.9666e+00 5.9666e+00 1e-08 5e-09 9e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2999e+00 3.2992e+00 6e+00 2e+00 4e-16 2e-01
2: 5.0632e+00 5.0630e+00 1e+00 5e-01 1e-15 4e-02
3: 5.7673e+00 5.7672e+00 3e-01 9e-02 2e-15 7e-03
4: 5.9060e+00 5.9060e+00 3e-02 1e-02 1e-15 8e-04
5: 5.9172e+00 5.9172e+00 8e-03 3e-03 1e-14 2e-04
6: 5.9209e+00 5.9209e+00 9e-05 3e-05 1e-15 2e-06
7: 5.9209e+00 5.9209e+00 9e-07 3e-07 1e-15 2e-08
8: 5.9209e+00 5.9209e+00 9e-09 3e-09 2e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.0219e+00 4.0237e+00 7e+00 2e+00 3e-16 2e-01
2: 6.5511e+00 6.5517e+00 2e+00 6e-01 1e-15 5e-02
3: 6.9639e+00 6.9640e+00 1e-01 4e-02 2e-15 3e-03
4: 6.9996e+00 6.9996e+00 1e-03 4e-04 7e-16 3e-05
5: 7.0000e+00 7.0000e+00 1e-05 4e-06 5e-16 3e-07
6: 7.0000e+00 7.0000e+00 1e-07 4e-08 8e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.4064e+00 3.4097e+00 7e+00 2e+00 2e-16 2e-01
2: 6.2430e+00 6.2443e+00 2e+00 6e-01 2e-15 4e-02
3: 6.7942e+00 6.7946e+00 4e-01 1e-01 1e-15 9e-03
4: 6.9685e+00 6.9686e+00 5e-02 2e-02 7e-16 1e-03
5: 6.9871e+00 6.9871e+00 2e-03 8e-04 7e-15 6e-05
6: 6.9878e+00 6.9878e+00 3e-05 8e-06 3e-14 6e-07
7: 6.9878e+00 6.9878e+00 3e-07 8e-08 2e-14 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 4.5724e+00 4.5775e+00 7e+00 2e+00 3e-16 2e-01
2: 7.4636e+00 7.4654e+00 2e+00 5e-01 2e-15 4e-02
3: 7.9554e+00 7.9559e+00 2e-01 8e-02 2e-15 6e-03
4: 7.9991e+00 7.9991e+00 4e-03 1e-03 3e-15 9e-05
5: 8.0000e+00 8.0000e+00 4e-05 1e-05 1e-15 9e-07
6: 8.0000e+00 8.0000e+00 4e-07 1e-07 2e-15 9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.8475e+00 4.8478e+00 7e+00 2e+00 2e-16 2e-01
2: 7.5872e+00 7.5873e+00 2e+00 5e-01 2e-15 4e-02
3: 7.9664e+00 7.9664e+00 1e-01 4e-02 3e-15 3e-03
4: 7.9997e+00 7.9997e+00 1e-03 4e-04 5e-16 3e-05
5: 8.0000e+00 8.0000e+00 1e-05 4e-06 7e-16 3e-07

```

6: 8.0000e+00 8.0000e+00 1e-07 4e-08 6e-16 3e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1837e+00	4.1835e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7228e+00	6.7227e+00	2e+00	5e-01	1e-15	4e-02
3:	7.4225e+00	7.4225e+00	4e-01	1e-01	2e-15	1e-02
4:	7.5210e+00	7.5210e+00	1e-01	3e-02	3e-15	2e-03
5:	7.5484e+00	7.5484e+00	3e-02	9e-03	4e-15	7e-04
6:	7.5560e+00	7.5560e+00	6e-03	2e-03	4e-15	2e-04
7:	7.5582e+00	7.5582e+00	2e-04	5e-05	1e-15	4e-06
8:	7.5582e+00	7.5582e+00	2e-06	5e-07	2e-15	4e-08
9:	7.5582e+00	7.5582e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3743e+00	3.3758e+00	7e+00	2e+00	3e-16	2e-01
2:	6.0190e+00	6.0195e+00	1e+00	4e-01	2e-15	3e-02
3:	6.5341e+00	6.5342e+00	2e-01	7e-02	8e-16	5e-03
4:	6.6159e+00	6.6159e+00	2e-02	8e-03	2e-15	6e-04
5:	6.6264e+00	6.6264e+00	5e-04	2e-04	1e-15	1e-05
6:	6.6266e+00	6.6266e+00	5e-06	2e-06	1e-15	1e-07
7:	6.6266e+00	6.6266e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8675e+00	3.8670e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3969e+00	6.3967e+00	2e+00	6e-01	4e-15	4e-02
3:	7.1391e+00	7.1390e+00	5e-01	1e-01	2e-15	1e-02
4:	7.2886e+00	7.2886e+00	1e-01	4e-02	3e-15	3e-03
5:	7.3271e+00	7.3271e+00	2e-02	6e-03	8e-15	5e-04
6:	7.3309e+00	7.3309e+00	4e-03	1e-03	5e-14	9e-05
7:	7.3317e+00	7.3317e+00	2e-03	6e-04	2e-14	4e-05
8:	7.3323e+00	7.3323e+00	2e-05	7e-06	2e-14	5e-07
9:	7.3323e+00	7.3323e+00	2e-07	7e-08	1e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4245e+00	4.4239e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9666e+00	6.9663e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5718e+00	7.5717e+00	3e-01	1e-01	9e-16	8e-03
4:	7.7120e+00	7.7119e+00	5e-02	2e-02	1e-15	1e-03
5:	7.7346e+00	7.7346e+00	2e-03	5e-04	5e-15	4e-05
6:	7.7352e+00	7.7352e+00	2e-05	5e-06	1e-14	4e-07
7:	7.7352e+00	7.7352e+00	2e-07	5e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	5.5312e+00	5.5330e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7850e+00	7.7853e+00	9e-01	3e-01	2e-15	2e-02
3:	7.9971e+00	7.9971e+00	1e-02	4e-03	1e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6206e+00	4.6214e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3153e+00	7.3155e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9182e+00	7.9183e+00	3e-01	9e-02	2e-15	7e-03
4:	7.9435e+00	7.9436e+00	1e-01	4e-02	9e-15	4e-03
5:	7.9993e+00	7.9993e+00	2e-03	7e-04	7e-16	5e-05
6:	8.0000e+00	8.0000e+00	2e-05	7e-06	3e-15	5e-07
7:	8.0000e+00	8.0000e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5515e+00	3.5579e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5336e+00	5.5357e+00	2e+00	5e-01	9e-16	4e-02
3:	6.0762e+00	6.0767e+00	3e-01	1e-01	1e-15	7e-03
4:	6.1922e+00	6.1923e+00	6e-02	2e-02	1e-15	1e-03
5:	6.2178e+00	6.2178e+00	7e-03	2e-03	3e-15	2e-04
6:	6.2206e+00	6.2206e+00	8e-05	2e-05	4e-15	2e-06
7:	6.2206e+00	6.2206e+00	8e-07	2e-07	4e-15	2e-08
8:	6.2206e+00	6.2206e+00	8e-09	2e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7891e+00	3.7882e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4722e+00	6.4719e+00	2e+00	6e-01	2e-15	4e-02
3:	7.2356e+00	7.2354e+00	5e-01	2e-01	3e-15	1e-02
4:	7.4238e+00	7.4237e+00	7e-02	2e-02	2e-15	2e-03
5:	7.4550e+00	7.4550e+00	4e-03	1e-03	2e-15	1e-04
6:	7.4570e+00	7.4570e+00	4e-04	1e-04	8e-16	1e-05
7:	7.4571e+00	7.4571e+00	4e-06	1e-06	2e-15	1e-07
8:	7.4571e+00	7.4571e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8318e+00	3.8321e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5819e+00	6.5820e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1957e+00	7.1958e+00	2e-01	7e-02	1e-15	6e-03
4:	7.2670e+00	7.2670e+00	3e-02	9e-03	3e-15	7e-04
5:	7.2794e+00	7.2794e+00	3e-04	9e-05	7e-16	7e-06
6:	7.2796e+00	7.2796e+00	3e-06	9e-07	7e-16	7e-08
7:	7.2796e+00	7.2796e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0664e+00	4.0661e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3074e+00	6.3073e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9144e+00	6.9144e+00	5e-01	2e-01	1e-15	1e-02
4:	7.1509e+00	7.1509e+00	5e-02	2e-02	1e-15	1e-03
5:	7.1733e+00	7.1733e+00	8e-04	3e-04	2e-15	2e-05
6:	7.1737e+00	7.1737e+00	8e-06	3e-06	9e-16	2e-07
7:	7.1737e+00	7.1737e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8304e+00	2.8290e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9839e+00	4.9833e+00	1e+00	4e-01	2e-15	4e-02
3:	5.4391e+00	5.4389e+00	5e-01	1e-01	1e-15	1e-02
4:	5.5908e+00	5.5908e+00	7e-02	2e-02	2e-15	2e-03
5:	5.6149e+00	5.6149e+00	4e-03	1e-03	1e-15	1e-04
6:	5.6161e+00	5.6161e+00	4e-05	1e-05	2e-15	1e-06
7:	5.6161e+00	5.6161e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9144e+00	3.9208e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7777e+00	6.7797e+00	1e+00	5e-01	1e-15	3e-02
3:	7.2198e+00	7.2204e+00	4e-01	1e-01	1e-15	9e-03
4:	7.3392e+00	7.3392e+00	4e-02	1e-02	7e-16	9e-04
5:	7.3514e+00	7.3514e+00	7e-03	2e-03	6e-16	2e-04
6:	7.3535e+00	7.3535e+00	7e-05	2e-05	9e-16	2e-06
7:	7.3535e+00	7.3535e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3816e+00	4.3878e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0560e+00	7.0581e+00	2e+00	5e-01	9e-16	4e-02
3:	7.7675e+00	7.7678e+00	2e-01	7e-02	7e-16	5e-03
4:	7.8347e+00	7.8349e+00	6e-02	2e-02	6e-15	1e-03
5:	7.8583e+00	7.8583e+00	1e-03	4e-04	3e-15	3e-05
6:	7.8587e+00	7.8587e+00	3e-04	1e-04	2e-15	8e-06
7:	7.8588e+00	7.8588e+00	4e-05	1e-05	3e-15	1e-06
8:	7.8588e+00	7.8588e+00	1e-05	3e-06	2e-14	2e-07
9:	7.8588e+00	7.8588e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7230e+00	4.7231e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7239e+00	7.7239e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9848e+00	7.9848e+00	5e-02	2e-02	2e-15	1e-03
4:	7.9998e+00	7.9998e+00	5e-04	2e-04	7e-16	1e-05

5:	8.0000e+00	8.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	8.0000e+00	8.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1355e+00	4.1371e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2865e+00	7.2871e+00	1e+00	4e-01	2e-15	3e-02
3:	7.7430e+00	7.7432e+00	4e-01	1e-01	1e-15	9e-03
4:	7.8706e+00	7.8706e+00	6e-02	2e-02	4e-15	1e-03
5:	7.8941e+00	7.8941e+00	2e-03	6e-04	2e-15	5e-05
6:	7.8948e+00	7.8948e+00	2e-05	6e-06	1e-15	5e-07
7:	7.8948e+00	7.8948e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2650e+00	3.2635e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0355e+00	6.0349e+00	1e+00	4e-01	2e-15	3e-02
3:	6.4642e+00	6.4640e+00	4e-01	1e-01	3e-15	1e-02
4:	6.5934e+00	6.5933e+00	8e-02	2e-02	2e-15	2e-03
5:	6.6274e+00	6.6274e+00	8e-03	2e-03	1e-15	2e-04
6:	6.6304e+00	6.6304e+00	8e-05	3e-05	3e-15	2e-06
7:	6.6304e+00	6.6304e+00	8e-07	3e-07	2e-15	2e-08
8:	6.6304e+00	6.6304e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7665e+00	4.7692e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6613e+00	7.6620e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9461e+00	7.9464e+00	2e-01	5e-02	5e-15	4e-03
4:	7.9994e+00	7.9994e+00	2e-03	6e-04	4e-16	5e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6881e+00	3.6906e+00	7e+00	2e+00	2e-16	2e-01
2:	6.1675e+00	6.1685e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9489e+00	6.9494e+00	6e-01	2e-01	2e-15	1e-02
4:	7.2084e+00	7.2085e+00	1e-01	4e-02	9e-16	3e-03
5:	7.2436e+00	7.2436e+00	3e-02	9e-03	4e-15	7e-04
6:	7.2549e+00	7.2549e+00	1e-03	5e-04	2e-15	4e-05
7:	7.2554e+00	7.2554e+00	1e-05	5e-06	4e-15	4e-07
8:	7.2554e+00	7.2554e+00	1e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4040e+00	2.4079e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8266e+00	4.8278e+00	1e+00	4e-01	8e-16	3e-02

3:	5.2532e+00	5.2536e+00	3e-01	1e-01	7e-16	8e-03
4:	5.3269e+00	5.3271e+00	1e-01	3e-02	2e-15	3e-03
5:	5.3596e+00	5.3596e+00	3e-02	1e-02	1e-15	7e-04
6:	5.3661e+00	5.3661e+00	1e-02	3e-03	6e-15	3e-04
7:	5.3704e+00	5.3704e+00	2e-04	6e-05	9e-16	5e-06
8:	5.3704e+00	5.3704e+00	2e-06	6e-07	1e-15	5e-08
9:	5.3704e+00	5.3704e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4650e+00	5.4663e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7021e+00	7.7025e+00	1e+00	4e-01	8e-16	3e-02
3:	7.9960e+00	7.9960e+00	2e-02	5e-03	1e-15	4e-04
4:	8.0000e+00	8.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	8.0000e+00	8.0000e+00	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6366e+00	4.6397e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6072e+00	7.6081e+00	2e+00	5e-01	8e-16	4e-02
3:	7.9738e+00	7.9739e+00	8e-02	3e-02	2e-15	2e-03
4:	7.9997e+00	7.9997e+00	9e-04	3e-04	6e-16	2e-05
5:	8.0000e+00	8.0000e+00	9e-06	3e-06	5e-16	2e-07
6:	8.0000e+00	8.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.1410e+00	3.1502e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2475e+00	6.2503e+00	1e+00	4e-01	2e-15	3e-02
3:	6.5806e+00	6.5813e+00	3e-01	1e-01	8e-16	8e-03
4:	6.7185e+00	6.7186e+00	3e-02	1e-02	6e-16	8e-04
5:	6.7303e+00	6.7303e+00	3e-04	1e-04	6e-16	8e-06
6:	6.7304e+00	6.7304e+00	3e-06	1e-06	6e-16	8e-08
7:	6.7304e+00	6.7304e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5543e+00	4.5542e+00	6e+00	2e+00	2e-16	2e-01
2:	7.1817e+00	7.1817e+00	2e+00	6e-01	1e-15	5e-02
3:	7.7903e+00	7.7903e+00	4e-01	1e-01	2e-15	1e-02
4:	7.9394e+00	7.9394e+00	1e-01	4e-02	1e-15	3e-03
5:	7.9732e+00	7.9732e+00	4e-02	1e-02	7e-15	1e-03
6:	7.9873e+00	7.9873e+00	6e-03	2e-03	9e-15	1e-04
7:	7.9898e+00	7.9898e+00	1e-04	3e-05	1e-14	3e-06
8:	7.9899e+00	7.9899e+00	1e-06	3e-07	1e-14	3e-08
9:	7.9899e+00	7.9899e+00	1e-08	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2869e+00	5.2878e+00	7e+00	2e+00	4e-16	2e-01
2:	7.7579e+00	7.7581e+00	1e+00	3e-01	2e-15	3e-02
3:	7.9952e+00	7.9952e+00	2e-02	6e-03	2e-15	5e-04
4:	8.0000e+00	8.0000e+00	2e-04	6e-05	1e-15	5e-06
5:	8.0000e+00	8.0000e+00	2e-06	6e-07	9e-16	5e-08
6:	8.0000e+00	8.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9593e+00	4.9595e+00	6e+00	2e+00	3e-16	2e-01
2:	7.2968e+00	7.2968e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9344e+00	7.9344e+00	2e-01	8e-02	8e-16	6e-03
4:	7.9663e+00	7.9663e+00	8e-02	3e-02	1e-14	2e-03
5:	7.9995e+00	7.9995e+00	1e-03	5e-04	1e-15	4e-05
6:	8.0000e+00	8.0000e+00	1e-05	5e-06	3e-15	4e-07
7:	8.0000e+00	8.0000e+00	1e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6124e+00	4.6156e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6929e+00	7.6936e+00	9e-01	3e-01	2e-15	2e-02
3:	7.9278e+00	7.9281e+00	3e-01	1e-01	2e-15	7e-03
4:	7.9950e+00	7.9951e+00	1e-02	4e-03	5e-15	3e-04
5:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	8.0000e+00	8.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7504e+00	3.7552e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5391e+00	6.5407e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9950e+00	6.9958e+00	6e-01	2e-01	3e-15	1e-02
4:	7.2133e+00	7.2135e+00	1e-01	4e-02	2e-15	3e-03
5:	7.2567e+00	7.2567e+00	1e-02	5e-03	5e-15	4e-04
6:	7.2629e+00	7.2630e+00	1e-03	4e-04	9e-16	3e-05
7:	7.2635e+00	7.2635e+00	2e-05	7e-06	2e-15	6e-07
8:	7.2635e+00	7.2635e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2644e+00	5.2691e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8334e+00	7.8342e+00	9e-01	3e-01	2e-15	2e-02
3:	7.9970e+00	7.9970e+00	1e-02	4e-03	3e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	8.0000e+00	8.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5118e+00	3.5150e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6421e+00	6.6430e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9697e+00	6.9700e+00	2e-01	8e-02	1e-15	6e-03
4:	7.0508e+00	7.0508e+00	6e-02	2e-02	1e-15	2e-03
5:	7.0775e+00	7.0775e+00	1e-02	4e-03	1e-15	3e-04
6:	7.0819e+00	7.0819e+00	2e-03	5e-04	4e-15	4e-05
7:	7.0827e+00	7.0827e+00	2e-05	8e-06	6e-16	6e-07
8:	7.0827e+00	7.0827e+00	2e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7141e+00	4.7226e+00	7e+00	2e+00	4e-16	2e-01
2:	7.6274e+00	7.6304e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9608e+00	7.9612e+00	2e-01	7e-02	1e-15	5e-03
4:	7.9995e+00	7.9995e+00	3e-03	9e-04	1e-15	6e-05
5:	8.0000e+00	8.0000e+00	3e-05	9e-06	1e-15	6e-07
6:	8.0000e+00	8.0000e+00	3e-07	9e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9708e+00	3.9747e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3645e+00	6.3660e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9103e+00	6.9108e+00	5e-01	1e-01	1e-15	1e-02
4:	7.0450e+00	7.0451e+00	6e-02	2e-02	2e-15	1e-03
5:	7.0727e+00	7.0727e+00	6e-03	2e-03	7e-16	1e-04
6:	7.0748e+00	7.0748e+00	5e-04	1e-04	1e-15	1e-05
7:	7.0750e+00	7.0750e+00	6e-06	2e-06	1e-14	2e-07
8:	7.0750e+00	7.0750e+00	6e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4416e+00	4.4428e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6733e+00	6.6740e+00	2e+00	7e-01	2e-15	6e-02
3:	7.3959e+00	7.3962e+00	8e-01	3e-01	1e-15	2e-02
4:	7.6939e+00	7.6940e+00	1e-01	4e-02	1e-15	4e-03
5:	7.7333e+00	7.7333e+00	3e-02	9e-03	6e-15	7e-04
6:	7.7416e+00	7.7416e+00	1e-02	3e-03	4e-15	3e-04
7:	7.7450e+00	7.7450e+00	8e-04	3e-04	1e-14	2e-05
8:	7.7453e+00	7.7453e+00	9e-06	3e-06	1e-15	2e-07
9:	7.7453e+00	7.7453e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7690e+00	3.7711e+00	7e+00	2e+00	2e-16	2e-01
2:	6.0587e+00	6.0593e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6454e+00	6.6456e+00	3e-01	9e-02	2e-15	7e-03

4:	6.7611e+00	6.7612e+00	3e-02	1e-02	1e-15	8e-04
5:	6.7734e+00	6.7734e+00	5e-03	2e-03	4e-15	1e-04
6:	6.7755e+00	6.7755e+00	2e-04	6e-05	1e-14	5e-06
7:	6.7755e+00	6.7755e+00	2e-06	6e-07	3e-15	5e-08
8:	6.7755e+00	6.7755e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4987e+00	4.5038e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5566e+00	7.5580e+00	1e+00	4e-01	9e-16	3e-02
3:	7.9312e+00	7.9317e+00	2e-01	6e-02	3e-15	5e-03
4:	7.9993e+00	7.9993e+00	2e-03	7e-04	5e-16	5e-05
5:	8.0000e+00	8.0000e+00	2e-05	7e-06	5e-16	5e-07
6:	8.0000e+00	8.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8260e+00	4.8290e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5994e+00	7.6002e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9390e+00	7.9393e+00	3e-01	9e-02	4e-15	7e-03
4:	7.9988e+00	7.9988e+00	4e-03	1e-03	2e-15	1e-04
5:	8.0000e+00	8.0000e+00	4e-05	1e-05	2e-15	1e-06
6:	8.0000e+00	8.0000e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4470e+00	2.4464e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8583e+00	4.8581e+00	1e+00	5e-01	2e-15	4e-02
3:	5.2800e+00	5.2800e+00	3e-01	8e-02	8e-16	6e-03
4:	5.3666e+00	5.3666e+00	4e-02	1e-02	1e-15	1e-03
5:	5.3889e+00	5.3889e+00	3e-03	1e-03	9e-16	8e-05
6:	5.3902e+00	5.3902e+00	1e-04	4e-05	1e-14	3e-06
7:	5.3902e+00	5.3902e+00	1e-06	4e-07	3e-14	3e-08
8:	5.3902e+00	5.3902e+00	1e-08	4e-09	4e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7332e+00	4.7409e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5732e+00	7.5756e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9334e+00	7.9340e+00	3e-01	9e-02	2e-15	7e-03
4:	7.9991e+00	7.9991e+00	4e-03	1e-03	1e-15	9e-05
5:	8.0000e+00	8.0000e+00	4e-05	1e-05	2e-15	9e-07
6:	8.0000e+00	8.0000e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8067e+00	2.8060e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3711e+00	5.3708e+00	2e+00	5e-01	2e-15	4e-02

3:	5.8962e+00	5.8961e+00	4e-01	1e-01	1e-15	1e-02
4:	6.0328e+00	6.0327e+00	9e-02	3e-02	2e-15	2e-03
5:	6.0672e+00	6.0672e+00	5e-03	1e-03	3e-15	1e-04
6:	6.0693e+00	6.0693e+00	5e-05	1e-05	7e-16	1e-06
7:	6.0693e+00	6.0693e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2479e+00	5.2498e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5852e+00	7.5857e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9575e+00	7.9576e+00	1e-01	4e-02	4e-15	3e-03
4:	7.9996e+00	7.9996e+00	1e-03	4e-04	5e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4827e+00	2.4845e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8233e+00	4.8239e+00	2e+00	6e-01	1e-15	4e-02
3:	5.3844e+00	5.3845e+00	4e-01	1e-01	1e-15	1e-02
4:	5.6009e+00	5.6010e+00	8e-02	3e-02	1e-15	2e-03
5:	5.6175e+00	5.6176e+00	3e-02	8e-03	2e-15	7e-04
6:	5.6265e+00	5.6265e+00	3e-03	1e-03	5e-15	9e-05
7:	5.6276e+00	5.6276e+00	7e-05	2e-05	1e-14	2e-06
8:	5.6276e+00	5.6276e+00	7e-07	2e-07	2e-14	2e-08
9:	5.6276e+00	5.6276e+00	7e-09	2e-09	2e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5976e+00	2.5964e+00	6e+00	2e+00	2e-16	2e-01
2:	4.5764e+00	4.5760e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9892e+00	4.9891e+00	4e-01	1e-01	7e-16	9e-03
4:	5.0904e+00	5.0903e+00	1e-01	3e-02	7e-16	2e-03
5:	5.1258e+00	5.1258e+00	2e-02	7e-03	5e-16	6e-04
6:	5.1339e+00	5.1339e+00	1e-03	4e-04	1e-15	3e-05
7:	5.1343e+00	5.1343e+00	1e-05	4e-06	7e-16	3e-07
8:	5.1343e+00	5.1343e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5904e+00	3.5951e+00	7e+00	2e+00	4e-16	2e-01
2:	6.3348e+00	6.3362e+00	2e+00	5e-01	1e-15	4e-02
3:	6.8103e+00	6.8107e+00	4e-01	1e-01	1e-15	1e-02
4:	7.0122e+00	7.0123e+00	8e-02	3e-02	8e-16	2e-03
5:	7.0437e+00	7.0437e+00	7e-03	2e-03	1e-15	2e-04
6:	7.0463e+00	7.0463e+00	7e-05	2e-05	2e-15	2e-06
7:	7.0463e+00	7.0463e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6342e+00	4.6350e+00	6e+00	2e+00	3e-16	2e-01
2:	7.0828e+00	7.0831e+00	2e+00	5e-01	1e-15	4e-02
3:	7.7462e+00	7.7463e+00	4e-01	1e-01	2e-15	9e-03
4:	7.9418e+00	7.9418e+00	8e-02	2e-02	2e-15	2e-03
5:	7.9768e+00	7.9768e+00	7e-03	2e-03	2e-14	2e-04
6:	7.9796e+00	7.9796e+00	8e-05	3e-05	7e-15	2e-06
7:	7.9796e+00	7.9796e+00	8e-07	3e-07	8e-15	2e-08
8:	7.9796e+00	7.9796e+00	8e-09	3e-09	8e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0830e+00	4.0828e+00	6e+00	2e+00	3e-16	2e-01
2:	7.0886e+00	7.0885e+00	1e+00	5e-01	2e-15	4e-02
3:	7.6419e+00	7.6418e+00	4e-01	1e-01	9e-16	1e-02
4:	7.7403e+00	7.7403e+00	7e-02	2e-02	5e-15	2e-03
5:	7.7657e+00	7.7657e+00	1e-02	4e-03	1e-15	3e-04
6:	7.7704e+00	7.7704e+00	1e-04	5e-05	2e-15	4e-06
7:	7.7704e+00	7.7704e+00	1e-06	5e-07	2e-15	4e-08
8:	7.7704e+00	7.7704e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.8117e+00	2.8196e+00	7e+00	2e+00	2e-16	2e-01
2:	5.3672e+00	5.3698e+00	2e+00	5e-01	4e-16	4e-02
3:	5.8228e+00	5.8236e+00	4e-01	1e-01	8e-16	1e-02
4:	6.0045e+00	6.0046e+00	7e-02	2e-02	6e-16	2e-03
5:	6.0294e+00	6.0294e+00	2e-02	6e-03	4e-15	4e-04
6:	6.0356e+00	6.0356e+00	2e-03	5e-04	9e-15	4e-05
7:	6.0362e+00	6.0362e+00	2e-05	5e-06	3e-15	4e-07
8:	6.0362e+00	6.0362e+00	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6620e+00	4.6662e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4846e+00	7.4858e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9157e+00	7.9161e+00	4e-01	1e-01	1e-15	9e-03
4:	7.9875e+00	7.9875e+00	4e-02	1e-02	6e-15	9e-04
5:	7.9999e+00	7.9999e+00	4e-04	1e-04	9e-16	9e-06
6:	8.0000e+00	8.0000e+00	4e-06	1e-06	6e-16	9e-08
7:	8.0000e+00	8.0000e+00	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9834e+00	3.9808e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7030e+00	6.7022e+00	1e+00	3e-01	3e-15	3e-02
3:	6.9785e+00	6.9782e+00	2e-01	7e-02	4e-15	6e-03

4:	7.0628e+00	7.0626e+00	8e-02	2e-02	2e-15	2e-03
5:	7.0902e+00	7.0902e+00	2e-02	6e-03	7e-15	5e-04
6:	7.0986e+00	7.0986e+00	4e-03	1e-03	2e-15	1e-04
7:	7.0998e+00	7.0998e+00	6e-04	2e-04	1e-14	1e-05
8:	7.1001e+00	7.1001e+00	8e-06	3e-06	4e-15	2e-07
9:	7.1001e+00	7.1001e+00	8e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7146e+00	3.7159e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4606e+00	6.4609e+00	1e+00	3e-01	2e-15	3e-02
3:	6.8144e+00	6.8145e+00	3e-01	1e-01	1e-15	8e-03
4:	6.9045e+00	6.9046e+00	5e-02	2e-02	3e-15	1e-03
5:	6.9228e+00	6.9228e+00	2e-02	5e-03	1e-15	4e-04
6:	6.9282e+00	6.9282e+00	9e-04	3e-04	6e-16	2e-05
7:	6.9285e+00	6.9285e+00	9e-06	3e-06	1e-15	2e-07
8:	6.9285e+00	6.9285e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9484e+00	2.9461e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7671e+00	5.7663e+00	1e+00	4e-01	2e-15	3e-02
3:	6.1088e+00	6.1086e+00	2e-01	8e-02	2e-15	7e-03
4:	6.1802e+00	6.1801e+00	1e-01	3e-02	1e-15	3e-03
5:	6.2024e+00	6.2023e+00	3e-02	9e-03	4e-15	8e-04
6:	6.2138e+00	6.2138e+00	2e-03	7e-04	2e-15	6e-05
7:	6.2146e+00	6.2146e+00	3e-05	9e-06	1e-15	8e-07
8:	6.2146e+00	6.2146e+00	3e-07	9e-08	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5931e+00	4.5944e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2266e+00	7.2272e+00	2e+00	6e-01	1e-15	5e-02
3:	7.8317e+00	7.8319e+00	5e-01	1e-01	2e-15	1e-02
4:	8.0458e+00	8.0458e+00	9e-02	3e-02	6e-16	2e-03
5:	8.0758e+00	8.0758e+00	1e-02	4e-03	4e-15	3e-04
6:	8.0809e+00	8.0809e+00	1e-04	4e-05	8e-16	3e-06
7:	8.0810e+00	8.0810e+00	1e-06	4e-07	8e-16	3e-08
8:	8.0810e+00	8.0810e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5242e+00	2.5236e+00	6e+00	2e+00	3e-16	2e-01
2:	4.4705e+00	4.4702e+00	2e+00	6e-01	1e-15	5e-02
3:	5.0877e+00	5.0876e+00	3e-01	1e-01	6e-16	8e-03
4:	5.1964e+00	5.1964e+00	6e-02	2e-02	8e-16	2e-03
5:	5.2230e+00	5.2230e+00	7e-03	2e-03	9e-16	2e-04
6:	5.2259e+00	5.2259e+00	8e-05	2e-05	2e-15	2e-06

7: 5.2259e+00 5.2259e+00 8e-07 2e-07 2e-15 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9586e+00	4.9575e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7412e+00	7.7408e+00	1e+00	4e-01	2e-15	4e-02
3:	8.0971e+00	8.0970e+00	3e-01	9e-02	1e-15	8e-03
4:	8.2378e+00	8.2377e+00	6e-02	2e-02	1e-15	2e-03
5:	8.2573e+00	8.2573e+00	7e-04	2e-04	5e-16	2e-05
6:	8.2576e+00	8.2576e+00	7e-06	2e-06	6e-16	2e-07
7:	8.2576e+00	8.2576e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7121e+00	4.7152e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4485e+00	7.4494e+00	1e+00	5e-01	1e-15	3e-02
3:	7.9241e+00	7.9244e+00	4e-01	1e-01	1e-15	1e-02
4:	8.0813e+00	8.0813e+00	6e-02	2e-02	1e-15	2e-03
5:	8.1079e+00	8.1079e+00	1e-02	4e-03	2e-15	3e-04
6:	8.1137e+00	8.1137e+00	6e-04	2e-04	3e-15	2e-05
7:	8.1139e+00	8.1139e+00	6e-06	2e-06	1e-15	2e-07
8:	8.1139e+00	8.1139e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3928e+00	4.4023e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2656e+00	7.2686e+00	1e+00	5e-01	2e-15	3e-02
3:	7.6548e+00	7.6555e+00	3e-01	1e-01	9e-16	7e-03
4:	7.7698e+00	7.7699e+00	4e-02	1e-02	1e-15	1e-03
5:	7.7878e+00	7.7878e+00	2e-03	6e-04	1e-15	5e-05
6:	7.7885e+00	7.7885e+00	2e-05	6e-06	4e-15	5e-07
7:	7.7885e+00	7.7885e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5159e+00	5.5230e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5427e+00	8.5448e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9547e+00	8.9550e+00	1e-01	4e-02	2e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	4e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5099e+00	3.5168e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6572e+00	6.6595e+00	1e+00	5e-01	7e-16	3e-02
3:	6.9809e+00	6.9816e+00	3e-01	1e-01	3e-15	8e-03
4:	7.1134e+00	7.1136e+00	6e-02	2e-02	6e-16	2e-03

5:	7.1300e+00	7.1300e+00	1e-02	4e-03	1e-15	3e-04
6:	7.1348e+00	7.1348e+00	2e-04	6e-05	8e-16	5e-06
7:	7.1349e+00	7.1349e+00	2e-06	6e-07	1e-15	5e-08
8:	7.1349e+00	7.1349e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0643e+00	4.0771e+00	8e+00	2e+00	3e-16	2e-01
2:	6.8958e+00	6.9005e+00	2e+00	6e-01	1e-15	4e-02
3:	7.4863e+00	7.4871e+00	3e-01	1e-01	7e-16	7e-03
4:	7.5794e+00	7.5796e+00	7e-02	2e-02	8e-16	2e-03
5:	7.6111e+00	7.6111e+00	5e-03	2e-03	9e-16	1e-04
6:	7.6130e+00	7.6130e+00	5e-05	2e-05	4e-15	1e-06
7:	7.6130e+00	7.6130e+00	5e-07	2e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2942e+00	5.2994e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6091e+00	7.6107e+00	2e+00	6e-01	1e-15	4e-02
3:	8.2971e+00	8.2975e+00	4e-01	1e-01	1e-15	8e-03
4:	8.4833e+00	8.4833e+00	5e-02	1e-02	1e-15	1e-03
5:	8.5026e+00	8.5027e+00	1e-02	3e-03	8e-15	2e-04
6:	8.5067e+00	8.5067e+00	3e-04	1e-04	2e-14	8e-06
7:	8.5069e+00	8.5069e+00	3e-06	1e-06	3e-15	8e-08
8:	8.5069e+00	8.5069e+00	3e-08	1e-08	4e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.8796e+00	2.8863e+00	7e+00	2e+00	2e-16	2e-01
2:	6.2298e+00	6.2319e+00	2e+00	5e-01	9e-16	4e-02
3:	6.8437e+00	6.8444e+00	5e-01	2e-01	5e-15	1e-02
4:	6.9261e+00	6.9265e+00	2e-01	5e-02	1e-14	4e-03
5:	6.9907e+00	6.9907e+00	2e-02	7e-03	1e-15	5e-04
6:	6.9994e+00	6.9994e+00	5e-04	2e-04	2e-15	1e-05
7:	6.9996e+00	6.9996e+00	5e-06	2e-06	9e-16	1e-07
8:	6.9996e+00	6.9996e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1403e+00	5.1415e+00	6e+00	2e+00	3e-16	2e-01
2:	8.0675e+00	8.0679e+00	1e+00	4e-01	2e-15	3e-02
3:	8.5334e+00	8.5335e+00	2e-01	8e-02	1e-15	6e-03
4:	8.6295e+00	8.6295e+00	3e-02	1e-02	3e-15	8e-04
5:	8.6426e+00	8.6426e+00	7e-04	2e-04	6e-15	2e-05
6:	8.6429e+00	8.6429e+00	7e-06	2e-06	5e-15	2e-07
7:	8.6429e+00	8.6429e+00	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2031e+00	2.2006e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9057e+00	4.9048e+00	1e+00	3e-01	2e-15	3e-02
3:	5.3045e+00	5.3043e+00	2e-01	6e-02	9e-16	5e-03
4:	5.3608e+00	5.3607e+00	3e-02	9e-03	4e-15	7e-04
5:	5.3704e+00	5.3704e+00	4e-03	1e-03	2e-15	9e-05
6:	5.3716e+00	5.3716e+00	4e-05	1e-05	2e-15	9e-07
7:	5.3717e+00	5.3717e+00	4e-07	1e-07	2e-15	9e-09
8:	5.3717e+00	5.3717e+00	4e-09	1e-09	3e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3090e+00	5.3106e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5373e+00	7.5379e+00	2e+00	5e-01	1e-15	4e-02
3:	8.2374e+00	8.2376e+00	3e-01	1e-01	2e-15	8e-03
4:	8.3602e+00	8.3603e+00	7e-02	2e-02	2e-15	2e-03
5:	8.3902e+00	8.3902e+00	2e-03	6e-04	3e-15	5e-05
6:	8.3910e+00	8.3910e+00	2e-05	6e-06	4e-15	5e-07
7:	8.3910e+00	8.3910e+00	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1503e+00	5.1515e+00	6e+00	2e+00	2e-16	2e-01
2:	8.0530e+00	8.0537e+00	2e+00	7e-01	2e-15	5e-02
3:	8.8810e+00	8.8811e+00	3e-01	1e-01	2e-15	8e-03
4:	8.9900e+00	8.9901e+00	3e-02	1e-02	1e-14	8e-04
5:	8.9999e+00	8.9999e+00	4e-04	1e-04	7e-15	1e-05
6:	9.0000e+00	9.0000e+00	4e-06	1e-06	1e-14	1e-07
7:	9.0000e+00	9.0000e+00	4e-08	1e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5169e+00	4.5184e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3940e+00	7.3945e+00	1e+00	4e-01	1e-15	3e-02
3:	7.7723e+00	7.7724e+00	3e-01	8e-02	1e-15	6e-03
4:	7.8639e+00	7.8639e+00	5e-02	1e-02	2e-15	1e-03
5:	7.8838e+00	7.8838e+00	5e-03	2e-03	3e-15	1e-04
6:	7.8859e+00	7.8859e+00	6e-05	2e-05	5e-15	1e-06
7:	7.8859e+00	7.8859e+00	6e-07	2e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0450e+00	5.0458e+00	6e+00	2e+00	2e-16	2e-01
2:	8.0159e+00	8.0162e+00	1e+00	4e-01	2e-15	3e-02
3:	8.5408e+00	8.5408e+00	3e-01	9e-02	1e-15	7e-03
4:	8.6227e+00	8.6227e+00	7e-02	2e-02	5e-15	2e-03
5:	8.6538e+00	8.6538e+00	1e-03	4e-04	1e-15	3e-05
6:	8.6543e+00	8.6543e+00	1e-05	4e-06	9e-16	3e-07



```

7: 8.6543e+00 8.6543e+00 1e-07 4e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.6084e+00 3.6076e+00 6e+00 2e+00 2e-16 2e-01
2: 6.6062e+00 6.6059e+00 1e+00 4e-01 2e-15 3e-02
3: 7.1681e+00 7.1681e+00 2e-01 6e-02 1e-15 5e-03
4: 7.2221e+00 7.2221e+00 6e-02 2e-02 5e-15 1e-03
5: 7.2446e+00 7.2446e+00 3e-03 9e-04 7e-16 7e-05
6: 7.2456e+00 7.2456e+00 3e-05 9e-06 3e-15 8e-07
7: 7.2456e+00 7.2456e+00 3e-07 9e-08 3e-15 8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.2226e+00 5.2241e+00 6e+00 2e+00 3e-16 2e-01
2: 8.2432e+00 8.2438e+00 2e+00 5e-01 1e-15 4e-02
3: 8.6270e+00 8.6272e+00 4e-01 1e-01 2e-15 1e-02
4: 8.7911e+00 8.7912e+00 1e-01 3e-02 8e-16 2e-03
5: 8.8202e+00 8.8202e+00 1e-02 4e-03 2e-15 3e-04
6: 8.8244e+00 8.8244e+00 1e-04 4e-05 9e-16 3e-06
7: 8.8245e+00 8.8245e+00 1e-06 4e-07 1e-15 3e-08
8: 8.8245e+00 8.8245e+00 1e-08 4e-09 1e-15 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2814e+00 3.2821e+00 6e+00 2e+00 2e-16 2e-01
2: 5.8258e+00 5.8260e+00 2e+00 5e-01 2e-15 4e-02
3: 6.5110e+00 6.5110e+00 3e-01 8e-02 2e-15 6e-03
4: 6.6076e+00 6.6077e+00 5e-02 2e-02 3e-15 1e-03
5: 6.6313e+00 6.6313e+00 1e-03 3e-04 3e-15 3e-05
6: 6.6318e+00 6.6318e+00 1e-05 3e-06 5e-15 3e-07
7: 6.6318e+00 6.6318e+00 1e-07 3e-08 3e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 4.4672e+00 4.4810e+00 8e+00 2e+00 3e-16 2e-01
2: 7.9079e+00 7.9118e+00 1e+00 4e-01 1e-15 3e-02
3: 8.2272e+00 8.2287e+00 4e-01 1e-01 1e-15 9e-03
4: 8.3692e+00 8.3694e+00 4e-02 1e-02 6e-16 9e-04
5: 8.3857e+00 8.3857e+00 1e-03 5e-04 7e-16 4e-05
6: 8.3863e+00 8.3863e+00 1e-05 5e-06 8e-16 4e-07
7: 8.3863e+00 8.3863e+00 1e-07 5e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.1289e+00 5.1326e+00 7e+00 2e+00 3e-16 2e-01
2: 8.3936e+00 8.3947e+00 1e+00 4e-01 2e-15 3e-02
3: 8.8799e+00 8.8803e+00 4e-01 1e-01 2e-15 9e-03

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4:	8.9782e+00	8.9784e+00	8e-02	3e-02	4e-15	2e-03
5:	8.9994e+00	8.9994e+00	2e-03	6e-04	1e-14	5e-05
6:	9.0000e+00	9.0000e+00	2e-05	6e-06	4e-15	5e-07
7:	9.0000e+00	9.0000e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5188e+00	4.5268e+00	8e+00	2e+00	2e-16	2e-01
2:	7.4995e+00	7.5017e+00	2e+00	5e-01	3e-15	4e-02
3:	8.2649e+00	8.2652e+00	2e-01	6e-02	1e-15	5e-03
4:	8.3262e+00	8.3263e+00	5e-02	2e-02	3e-15	1e-03
5:	8.3469e+00	8.3469e+00	1e-02	3e-03	1e-15	3e-04
6:	8.3512e+00	8.3512e+00	2e-04	5e-05	3e-15	4e-06
7:	8.3512e+00	8.3512e+00	2e-06	5e-07	2e-15	4e-08
8:	8.3512e+00	8.3512e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1282e+00	5.1329e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7571e+00	7.7584e+00	2e+00	5e-01	1e-15	4e-02
3:	8.4761e+00	8.4765e+00	4e-01	1e-01	1e-15	1e-02
4:	8.6529e+00	8.6529e+00	3e-02	1e-02	2e-15	8e-04
5:	8.6683e+00	8.6683e+00	4e-04	1e-04	1e-15	9e-06
6:	8.6685e+00	8.6685e+00	4e-06	1e-06	1e-15	9e-08
7:	8.6685e+00	8.6685e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9604e+00	4.9699e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4986e+00	7.5014e+00	2e+00	5e-01	1e-15	4e-02
3:	8.1370e+00	8.1376e+00	3e-01	1e-01	1e-15	8e-03
4:	8.2686e+00	8.2688e+00	8e-02	2e-02	2e-15	2e-03
5:	8.3075e+00	8.3076e+00	7e-03	2e-03	2e-15	2e-04
6:	8.3101e+00	8.3101e+00	3e-04	8e-05	3e-14	6e-06
7:	8.3102e+00	8.3102e+00	3e-06	8e-07	7e-15	6e-08
8:	8.3102e+00	8.3102e+00	3e-08	8e-09	8e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5412e+00	4.5448e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1947e+00	7.1957e+00	1e+00	4e-01	2e-15	3e-02
3:	7.7539e+00	7.7541e+00	2e-01	7e-02	2e-15	5e-03
4:	7.8405e+00	7.8405e+00	1e-02	5e-03	2e-15	4e-04
5:	7.8469e+00	7.8469e+00	2e-04	8e-05	5e-15	6e-06
6:	7.8470e+00	7.8470e+00	2e-06	8e-07	2e-15	6e-08
7:	7.8470e+00	7.8470e+00	2e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6673e+00	5.6693e+00	6e+00	2e+00	3e-16	2e-01
2:	8.4505e+00	8.4512e+00	2e+00	5e-01	2e-15	4e-02
3:	8.8860e+00	8.8863e+00	4e-01	1e-01	2e-15	1e-02
4:	8.9972e+00	8.9972e+00	9e-03	3e-03	3e-15	2e-04
5:	9.0000e+00	9.0000e+00	9e-05	3e-05	1e-15	2e-06
6:	9.0000e+00	9.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0570e+00	6.0590e+00	6e+00	2e+00	2e-16	2e-01
2:	8.6187e+00	8.6194e+00	1e+00	5e-01	1e-15	3e-02
3:	8.9814e+00	8.9814e+00	6e-02	2e-02	2e-15	1e-03
4:	8.9998e+00	8.9998e+00	6e-04	2e-04	7e-16	1e-05
5:	9.0000e+00	9.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	9.0000e+00	9.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5222e+00	3.5200e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7803e+00	6.7795e+00	1e+00	3e-01	3e-15	3e-02
3:	7.1174e+00	7.1171e+00	3e-01	8e-02	2e-15	7e-03
4:	7.2341e+00	7.2341e+00	3e-02	1e-02	1e-15	8e-04
5:	7.2442e+00	7.2442e+00	3e-03	9e-04	2e-15	7e-05
6:	7.2448e+00	7.2448e+00	1e-03	3e-04	5e-14	3e-05
7:	7.2452e+00	7.2452e+00	1e-05	3e-06	2e-15	3e-07
8:	7.2452e+00	7.2452e+00	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8621e+00	5.8628e+00	6e+00	2e+00	3e-16	2e-01
2:	8.5472e+00	8.5475e+00	1e+00	5e-01	2e-15	4e-02
3:	8.9451e+00	8.9452e+00	2e-01	8e-02	3e-15	6e-03
4:	8.9991e+00	8.9991e+00	4e-03	1e-03	3e-15	9e-05
5:	9.0000e+00	9.0000e+00	4e-05	1e-05	3e-15	9e-07
6:	9.0000e+00	9.0000e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5633e+00	4.5640e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0206e+00	8.0209e+00	2e+00	6e-01	1e-15	5e-02
3:	8.7310e+00	8.7311e+00	4e-01	1e-01	1e-15	1e-02
4:	8.8600e+00	8.8600e+00	1e-01	4e-02	4e-15	3e-03
5:	8.8908e+00	8.8908e+00	3e-02	1e-02	6e-15	8e-04
6:	8.9055e+00	8.9055e+00	3e-03	1e-03	4e-15	8e-05
7:	8.9068e+00	8.9068e+00	4e-05	1e-05	1e-14	9e-07
8:	8.9068e+00	8.9068e+00	4e-07	1e-07	1e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9432e+00	4.9511e+00	7e+00	2e+00	5e-16	2e-01
2:	7.4064e+00	7.4094e+00	2e+00	6e-01	4e-15	4e-02
3:	8.2075e+00	8.2081e+00	3e-01	1e-01	7e-16	7e-03
4:	8.3117e+00	8.3118e+00	3e-02	1e-02	2e-15	8e-04
5:	8.3245e+00	8.3245e+00	2e-03	7e-04	1e-15	5e-05
6:	8.3253e+00	8.3253e+00	2e-05	7e-06	2e-15	5e-07
7:	8.3253e+00	8.3253e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4184e+00	4.4184e+00	6e+00	2e+00	2e-16	2e-01
2:	7.0783e+00	7.0783e+00	2e+00	5e-01	3e-15	4e-02
3:	7.6489e+00	7.6489e+00	4e-01	1e-01	1e-15	9e-03
4:	7.8198e+00	7.8198e+00	6e-02	2e-02	8e-16	1e-03
5:	7.8467e+00	7.8467e+00	2e-03	6e-04	2e-15	5e-05
6:	7.8474e+00	7.8474e+00	2e-05	6e-06	8e-16	5e-07
7:	7.8474e+00	7.8474e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1546e+00	5.1560e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6249e+00	7.6255e+00	2e+00	6e-01	2e-15	4e-02
3:	8.3176e+00	8.3178e+00	3e-01	1e-01	1e-15	8e-03
4:	8.4351e+00	8.4351e+00	3e-02	1e-02	7e-16	8e-04
5:	8.4488e+00	8.4488e+00	1e-03	4e-04	1e-15	3e-05
6:	8.4493e+00	8.4493e+00	1e-05	4e-06	1e-15	3e-07
7:	8.4493e+00	8.4493e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3484e+00	5.3477e+00	6e+00	2e+00	3e-16	2e-01
2:	8.4273e+00	8.4271e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9502e+00	8.9502e+00	2e-01	7e-02	4e-15	6e-03
4:	8.9986e+00	8.9986e+00	5e-03	1e-03	1e-14	1e-04
5:	9.0000e+00	9.0000e+00	5e-05	1e-05	3e-15	1e-06
6:	9.0000e+00	9.0000e+00	5e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7459e+00	4.7454e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9365e+00	7.9363e+00	2e+00	5e-01	8e-16	4e-02
3:	8.4074e+00	8.4073e+00	4e-01	1e-01	4e-15	9e-03
4:	8.5476e+00	8.5476e+00	9e-02	3e-02	2e-15	2e-03
5:	8.5753e+00	8.5753e+00	1e-02	4e-03	5e-15	3e-04
6:	8.5802e+00	8.5802e+00	1e-04	5e-05	9e-16	4e-06
7:	8.5803e+00	8.5803e+00	1e-06	5e-07	1e-15	4e-08

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8: 8.5803e+00 8.5803e+00 1e-08 5e-09 1e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.2967e+00 4.2986e+00 7e+00 2e+00 3e-16 2e-01
2: 6.5755e+00 6.5761e+00 2e+00 5e-01 2e-15 4e-02
3: 7.2628e+00 7.2630e+00 3e-01 9e-02 1e-15 7e-03
4: 7.3870e+00 7.3870e+00 4e-02 1e-02 9e-16 1e-03
5: 7.4026e+00 7.4026e+00 6e-04 2e-04 3e-15 1e-05
6: 7.4028e+00 7.4028e+00 6e-06 2e-06 1e-15 1e-07
7: 7.4028e+00 7.4028e+00 6e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 4.8322e+00 4.8404e+00 8e+00 2e+00 3e-16 2e-01
2: 7.7960e+00 7.7983e+00 2e+00 5e-01 2e-15 4e-02
3: 8.4387e+00 8.4392e+00 2e-01 7e-02 1e-15 5e-03
4: 8.5255e+00 8.5256e+00 3e-02 8e-03 1e-15 6e-04
5: 8.5351e+00 8.5351e+00 5e-03 1e-03 9e-16 1e-04
6: 8.5369e+00 8.5369e+00 1e-03 3e-04 2e-15 3e-05
7: 8.5373e+00 8.5373e+00 4e-05 1e-05 5e-15 1e-06
8: 8.5373e+00 8.5373e+00 4e-07 1e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.9405e+00 4.9444e+00 7e+00 2e+00 2e-16 2e-01
2: 8.0245e+00 8.0258e+00 2e+00 5e-01 1e-15 4e-02
3: 8.6047e+00 8.6050e+00 3e-01 1e-01 9e-16 8e-03
4: 8.7513e+00 8.7513e+00 3e-02 1e-02 2e-15 8e-04
5: 8.7658e+00 8.7658e+00 7e-04 2e-04 1e-15 2e-05
6: 8.7661e+00 8.7661e+00 7e-06 2e-06 1e-15 2e-07
7: 8.7661e+00 8.7661e+00 7e-08 2e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.1058e+00 5.1088e+00 7e+00 2e+00 2e-16 2e-01
2: 8.4928e+00 8.4938e+00 2e+00 5e-01 1e-15 4e-02
3: 8.9376e+00 8.9379e+00 2e-01 6e-02 3e-15 5e-03
4: 8.9994e+00 8.9994e+00 2e-03 7e-04 7e-16 5e-05
5: 9.0000e+00 9.0000e+00 2e-05 7e-06 8e-16 5e-07
6: 9.0000e+00 9.0000e+00 2e-07 7e-08 7e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9040e+00 3.9082e+00 7e+00 2e+00 3e-16 2e-01
2: 6.9761e+00 6.9780e+00 2e+00 7e-01 2e-15 5e-02
3: 7.5123e+00 7.5128e+00 4e-01 1e-01 2e-15 1e-02
4: 7.6485e+00 7.6488e+00 2e-01 6e-02 1e-15 5e-03

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5:	7.7035e+00	7.7036e+00	2e-02	6e-03	1e-15	5e-04
6:	7.7102e+00	7.7102e+00	5e-04	2e-04	2e-15	1e-05
7:	7.7104e+00	7.7104e+00	5e-06	2e-06	9e-16	1e-07
8:	7.7104e+00	7.7104e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5494e+00	4.5517e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3387e+00	7.3395e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9593e+00	7.9595e+00	3e-01	1e-01	4e-15	7e-03
4:	8.0908e+00	8.0909e+00	9e-02	3e-02	1e-15	2e-03
5:	8.1328e+00	8.1328e+00	2e-03	6e-04	1e-15	5e-05
6:	8.1335e+00	8.1335e+00	2e-05	6e-06	5e-16	5e-07
7:	8.1335e+00	8.1335e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7175e+00	5.7204e+00	7e+00	2e+00	4e-16	2e-01
2:	8.6863e+00	8.6870e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9914e+00	8.9914e+00	3e-02	9e-03	2e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	9e-05	1e-15	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	9e-07	1e-15	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3774e+00	4.3797e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7210e+00	6.7218e+00	2e+00	6e-01	1e-15	4e-02
3:	7.4805e+00	7.4807e+00	3e-01	9e-02	3e-15	7e-03
4:	7.5950e+00	7.5951e+00	6e-02	2e-02	2e-15	1e-03
5:	7.6215e+00	7.6215e+00	2e-03	6e-04	5e-15	5e-05
6:	7.6223e+00	7.6223e+00	2e-05	6e-06	6e-15	5e-07
7:	7.6223e+00	7.6223e+00	2e-07	6e-08	9e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.4367e+00	4.4448e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7956e+00	7.7983e+00	2e+00	5e-01	2e-15	4e-02
3:	8.2875e+00	8.2883e+00	5e-01	1e-01	9e-16	1e-02
4:	8.4223e+00	8.4224e+00	5e-02	2e-02	1e-15	1e-03
5:	8.4365e+00	8.4365e+00	2e-02	5e-03	8e-16	4e-04
6:	8.4416e+00	8.4416e+00	2e-04	7e-05	1e-15	5e-06
7:	8.4417e+00	8.4417e+00	2e-06	7e-07	8e-16	5e-08
8:	8.4417e+00	8.4417e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0654e+00	5.0657e+00	6e+00	2e+00	2e-16	2e-01

2:	7.7799e+00	7.7800e+00	2e+00	5e-01	2e-15	4e-02
3:	8.3737e+00	8.3738e+00	5e-01	2e-01	2e-15	1e-02
4:	8.4374e+00	8.4375e+00	3e-01	1e-01	3e-15	8e-03
5:	8.5659e+00	8.5659e+00	5e-02	2e-02	2e-15	1e-03
6:	8.5836e+00	8.5836e+00	7e-03	2e-03	8e-15	2e-04
7:	8.5866e+00	8.5866e+00	5e-04	2e-04	1e-15	1e-05
8:	8.5868e+00	8.5868e+00	5e-06	2e-06	7e-15	1e-07
9:	8.5868e+00	8.5868e+00	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1244e+00	5.1246e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6036e+00	8.6036e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9374e+00	8.9374e+00	3e-01	1e-01	3e-15	8e-03
4:	8.9941e+00	8.9941e+00	2e-02	6e-03	1e-14	5e-04
5:	8.9999e+00	8.9999e+00	2e-04	6e-05	2e-15	5e-06
6:	9.0000e+00	9.0000e+00	2e-06	6e-07	2e-15	5e-08
7:	9.0000e+00	9.0000e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9118e+00	4.9206e+00	8e+00	3e+00	3e-16	2e-01
2:	7.9698e+00	7.9730e+00	2e+00	6e-01	9e-16	4e-02
3:	8.8905e+00	8.8913e+00	4e-01	1e-01	7e-16	9e-03
4:	8.9603e+00	8.9607e+00	1e-01	4e-02	2e-15	3e-03
5:	8.9953e+00	8.9953e+00	3e-02	8e-03	1e-14	6e-04
6:	8.9995e+00	8.9995e+00	1e-03	4e-04	7e-14	3e-05
7:	9.0000e+00	9.0000e+00	1e-05	4e-06	2e-14	3e-07
8:	9.0000e+00	9.0000e+00	1e-07	4e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6288e+00	4.6304e+00	6e+00	2e+00	3e-16	2e-01
2:	7.3259e+00	7.3263e+00	1e+00	3e-01	2e-15	3e-02
3:	7.9275e+00	7.9275e+00	9e-02	3e-02	8e-16	2e-03
4:	7.9729e+00	7.9729e+00	2e-03	6e-04	1e-15	5e-05
5:	7.9737e+00	7.9737e+00	1e-04	4e-05	5e-13	3e-06
6:	7.9738e+00	7.9738e+00	1e-06	4e-07	6e-13	3e-08
7:	7.9738e+00	7.9738e+00	1e-08	4e-09	5e-13	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0308e+00	3.0332e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4741e+00	5.4750e+00	1e+00	4e-01	1e-15	3e-02
3:	6.0265e+00	6.0268e+00	2e-01	8e-02	6e-16	6e-03
4:	6.0987e+00	6.0987e+00	7e-02	2e-02	1e-15	2e-03
5:	6.1179e+00	6.1179e+00	5e-03	2e-03	3e-15	1e-04
6:	6.1197e+00	6.1197e+00	5e-05	2e-05	1e-15	1e-06

7: 6.1198e+00 6.1198e+00 5e-07 2e-07 9e-16 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1097e+00	4.1095e+00	6e+00	2e+00	3e-16	2e-01
2:	6.3908e+00	6.3908e+00	1e+00	4e-01	2e-15	3e-02
3:	6.8672e+00	6.8671e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9928e+00	6.9928e+00	6e-02	2e-02	9e-16	1e-03
5:	7.0161e+00	7.0161e+00	8e-04	2e-04	1e-15	2e-05
6:	7.0164e+00	7.0164e+00	8e-06	2e-06	9e-16	2e-07
7:	7.0164e+00	7.0164e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6497e+00	3.6480e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5214e+00	6.5207e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9406e+00	6.9404e+00	3e-01	9e-02	1e-15	7e-03
4:	7.0642e+00	7.0641e+00	7e-02	2e-02	9e-16	2e-03
5:	7.0878e+00	7.0878e+00	1e-02	4e-03	9e-16	3e-04
6:	7.0926e+00	7.0926e+00	4e-04	1e-04	5e-15	1e-05
7:	7.0927e+00	7.0927e+00	4e-06	1e-06	2e-15	1e-07
8:	7.0927e+00	7.0927e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6568e+00	5.6598e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7794e+00	8.7801e+00	9e-01	3e-01	3e-15	2e-02
3:	9.1449e+00	9.1451e+00	1e-01	4e-02	1e-15	3e-03
4:	9.1861e+00	9.1861e+00	1e-03	4e-04	1e-15	3e-05
5:	9.1866e+00	9.1866e+00	1e-05	4e-06	1e-15	3e-07
6:	9.1866e+00	9.1866e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6705e+00	4.6829e+00	8e+00	2e+00	3e-16	2e-01
2:	8.0422e+00	8.0475e+00	2e+00	7e-01	7e-16	5e-02
3:	8.6975e+00	8.6988e+00	5e-01	2e-01	1e-15	1e-02
4:	8.8296e+00	8.8298e+00	1e-01	3e-02	2e-15	2e-03
5:	8.8702e+00	8.8703e+00	2e-02	5e-03	7e-16	4e-04
6:	8.8752e+00	8.8752e+00	2e-03	7e-04	2e-15	5e-05
7:	8.8760e+00	8.8760e+00	2e-05	7e-06	6e-16	5e-07
8:	8.8760e+00	8.8760e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7333e+00	6.7382e+00	6e+00	2e+00	3e-16	1e-01
2:	9.5211e+00	9.5225e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9487e+00	9.9490e+00	2e-01	6e-02	2e-15	5e-03



4:	9.9976e+00	9.9976e+00	7e-03	2e-03	6e-15	2e-04
5:	1.0000e+01	1.0000e+01	7e-05	2e-05	1e-15	2e-06
6:	1.0000e+01	1.0000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6961e+00	5.7011e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9155e+00	8.9168e+00	1e+00	5e-01	3e-15	3e-02
3:	9.5271e+00	9.5274e+00	3e-01	1e-01	2e-15	7e-03
4:	9.6621e+00	9.6621e+00	5e-02	2e-02	3e-15	1e-03
5:	9.6825e+00	9.6825e+00	3e-03	1e-03	9e-15	7e-05
6:	9.6839e+00	9.6839e+00	3e-05	1e-05	2e-15	7e-07
7:	9.6839e+00	9.6839e+00	3e-07	1e-07	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9182e+00	2.9204e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7284e+00	5.7291e+00	2e+00	5e-01	1e-15	4e-02
3:	6.3774e+00	6.3776e+00	3e-01	1e-01	1e-15	8e-03
4:	6.4891e+00	6.4892e+00	6e-02	2e-02	3e-15	1e-03
5:	6.5094e+00	6.5094e+00	2e-02	7e-03	1e-15	5e-04
6:	6.5171e+00	6.5171e+00	3e-04	1e-04	1e-15	7e-06
7:	6.5172e+00	6.5172e+00	3e-06	1e-06	2e-15	7e-08
8:	6.5172e+00	6.5172e+00	3e-08	1e-08	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7986e+00	4.8059e+00	8e+00	2e+00	2e-16	2e-01
2:	7.8744e+00	7.8777e+00	2e+00	7e-01	2e-15	5e-02
3:	8.6733e+00	8.6742e+00	5e-01	2e-01	8e-16	1e-02
4:	8.7989e+00	8.7994e+00	2e-01	7e-02	1e-14	5e-03
5:	8.8786e+00	8.8788e+00	6e-02	2e-02	3e-15	1e-03
6:	8.8972e+00	8.8972e+00	1e-02	3e-03	3e-15	2e-04
7:	8.9007e+00	8.9007e+00	3e-04	1e-04	1e-15	8e-06
8:	8.9008e+00	8.9008e+00	3e-06	1e-06	2e-15	8e-08
9:	8.9008e+00	8.9008e+00	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6497e+00	4.6542e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4573e+00	7.4592e+00	2e+00	6e-01	1e-15	4e-02
3:	8.0461e+00	8.0465e+00	3e-01	9e-02	1e-15	7e-03
4:	8.1903e+00	8.1903e+00	3e-02	9e-03	8e-16	7e-04
5:	8.2023e+00	8.2023e+00	1e-03	4e-04	9e-15	3e-05
6:	8.2030e+00	8.2030e+00	1e-05	4e-06	1e-15	3e-07
7:	8.2030e+00	8.2030e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7304e+00	5.7348e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0211e+00	9.0226e+00	2e+00	5e-01	2e-15	4e-02
3:	9.7046e+00	9.7050e+00	3e-01	1e-01	1e-15	8e-03
4:	9.7986e+00	9.7988e+00	1e-01	3e-02	4e-15	3e-03
5:	9.8335e+00	9.8335e+00	3e-02	8e-03	4e-15	6e-04
6:	9.8435e+00	9.8435e+00	2e-03	8e-04	2e-15	6e-05
7:	9.8444e+00	9.8444e+00	3e-05	8e-06	2e-14	6e-07
8:	9.8444e+00	9.8444e+00	3e-07	8e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2389e+00	5.2382e+00	6e+00	2e+00	3e-16	2e-01
2:	8.2631e+00	8.2628e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8237e+00	8.8237e+00	2e-01	6e-02	2e-15	5e-03
4:	8.9110e+00	8.9110e+00	5e-02	2e-02	6e-15	1e-03
5:	8.9223e+00	8.9223e+00	1e-02	5e-03	4e-14	4e-04
6:	8.9297e+00	8.9297e+00	8e-04	3e-04	3e-15	2e-05
7:	8.9299e+00	8.9299e+00	8e-06	3e-06	6e-15	2e-07
8:	8.9299e+00	8.9299e+00	8e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6569e+00	5.6619e+00	8e+00	2e+00	3e-16	2e-01
2:	9.2477e+00	9.2490e+00	1e+00	5e-01	1e-15	3e-02
3:	9.7341e+00	9.7346e+00	4e-01	1e-01	8e-16	1e-02
4:	9.8422e+00	9.8424e+00	9e-02	3e-02	3e-15	2e-03
5:	9.8813e+00	9.8813e+00	1e-02	4e-03	9e-16	3e-04
6:	9.8857e+00	9.8857e+00	1e-04	4e-05	7e-16	3e-06
7:	9.8858e+00	9.8858e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8542e+00	4.8560e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8727e+00	7.8733e+00	1e+00	4e-01	2e-15	3e-02
3:	8.3635e+00	8.3637e+00	3e-01	1e-01	1e-15	8e-03
4:	8.4541e+00	8.4541e+00	9e-02	3e-02	3e-15	2e-03
5:	8.4895e+00	8.4896e+00	2e-02	6e-03	1e-15	4e-04
6:	8.4960e+00	8.4960e+00	2e-04	6e-05	8e-16	5e-06
7:	8.4960e+00	8.4960e+00	2e-06	6e-07	7e-16	5e-08
8:	8.4960e+00	8.4960e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1142e+00	4.1220e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0862e+00	7.0885e+00	2e+00	5e-01	1e-15	4e-02
3:	7.6072e+00	7.6079e+00	4e-01	1e-01	2e-15	1e-02
4:	7.7146e+00	7.7149e+00	1e-01	4e-02	2e-15	3e-03

5:	7.7678e+00	7.7679e+00	2e-02	6e-03	7e-16	4e-04
6:	7.7751e+00	7.7751e+00	2e-04	6e-05	7e-16	5e-06
7:	7.7752e+00	7.7752e+00	2e-06	6e-07	9e-16	5e-08
8:	7.7752e+00	7.7752e+00	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2688e+00	6.2761e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3549e+00	8.3566e+00	1e+00	5e-01	8e-16	3e-02
3:	9.0481e+00	9.0486e+00	3e-01	1e-01	1e-15	7e-03
4:	9.1795e+00	9.1796e+00	5e-02	2e-02	2e-15	1e-03
5:	9.2024e+00	9.2024e+00	2e-03	5e-04	2e-15	4e-05
6:	9.2032e+00	9.2032e+00	2e-05	5e-06	1e-15	4e-07
7:	9.2032e+00	9.2032e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.4204e+00	4.4336e+00	8e+00	2e+00	2e-16	2e-01
2:	8.1708e+00	8.1753e+00	2e+00	6e-01	1e-15	4e-02
3:	8.7892e+00	8.7900e+00	3e-01	9e-02	1e-15	6e-03
4:	8.8685e+00	8.8686e+00	5e-02	2e-02	3e-15	1e-03
5:	8.8909e+00	8.8909e+00	2e-03	5e-04	2e-15	4e-05
6:	8.8915e+00	8.8915e+00	2e-05	5e-06	1e-15	4e-07
7:	8.8915e+00	8.8915e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0176e+00	6.0238e+00	7e+00	2e+00	2e-16	2e-01
2:	9.0960e+00	9.0978e+00	1e+00	4e-01	1e-15	3e-02
3:	9.6516e+00	9.6520e+00	3e-01	8e-02	1e-15	6e-03
4:	9.7473e+00	9.7474e+00	4e-02	1e-02	1e-15	1e-03
5:	9.7669e+00	9.7669e+00	3e-03	1e-03	1e-15	8e-05
6:	9.7682e+00	9.7682e+00	3e-04	1e-04	2e-14	8e-06
7:	9.7683e+00	9.7683e+00	3e-06	1e-06	1e-15	8e-08
8:	9.7683e+00	9.7683e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5434e+00	5.5476e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4648e+00	9.4660e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9310e+00	9.9313e+00	3e-01	9e-02	2e-15	7e-03
4:	9.9949e+00	9.9950e+00	1e-02	4e-03	7e-15	3e-04
5:	9.9999e+00	9.9999e+00	1e-04	4e-05	1e-15	3e-06
6:	1.0000e+01	1.0000e+01	1e-06	4e-07	1e-15	3e-08
7:	1.0000e+01	1.0000e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.7819e+00	4.7855e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3481e+00	7.3492e+00	2e+00	5e-01	1e-15	4e-02
3:	8.0692e+00	8.0695e+00	3e-01	1e-01	2e-15	8e-03
4:	8.2106e+00	8.2107e+00	6e-02	2e-02	1e-15	1e-03
5:	8.2375e+00	8.2375e+00	8e-03	2e-03	1e-14	2e-04
6:	8.2394e+00	8.2394e+00	2e-03	6e-04	1e-13	4e-05
7:	8.2402e+00	8.2402e+00	4e-05	1e-05	1e-14	1e-06
8:	8.2403e+00	8.2403e+00	4e-07	1e-07	4e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6196e+00	3.6171e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8470e+00	6.8462e+00	1e+00	3e-01	1e-15	3e-02
3:	7.2525e+00	7.2522e+00	2e-01	7e-02	9e-16	6e-03
4:	7.3402e+00	7.3402e+00	4e-02	1e-02	3e-15	1e-03
5:	7.3546e+00	7.3546e+00	2e-03	7e-04	6e-15	6e-05
6:	7.3554e+00	7.3554e+00	2e-05	7e-06	8e-15	6e-07
7:	7.3554e+00	7.3554e+00	2e-07	7e-08	8e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0799e+00	4.0860e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3007e+00	7.3032e+00	2e+00	7e-01	8e-16	5e-02
3:	7.9539e+00	7.9548e+00	6e-01	2e-01	1e-15	1e-02
4:	8.1733e+00	8.1734e+00	5e-02	2e-02	1e-15	1e-03
5:	8.1960e+00	8.1960e+00	8e-03	2e-03	5e-16	2e-04
6:	8.1991e+00	8.1991e+00	8e-05	3e-05	7e-16	2e-06
7:	8.1991e+00	8.1991e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3995e+00	5.4039e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0047e+00	8.0058e+00	1e+00	5e-01	2e-15	3e-02
3:	8.5929e+00	8.5934e+00	4e-01	1e-01	2e-15	1e-02
4:	8.7195e+00	8.7198e+00	2e-01	6e-02	1e-15	5e-03
5:	8.7740e+00	8.7741e+00	3e-02	1e-02	2e-15	8e-04
6:	8.7854e+00	8.7854e+00	4e-03	1e-03	8e-16	9e-05
7:	8.7869e+00	8.7869e+00	1e-04	3e-05	5e-16	3e-06
8:	8.7869e+00	8.7869e+00	1e-06	3e-07	6e-16	3e-08
9:	8.7869e+00	8.7869e+00	1e-08	3e-09	1e-13	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6224e+00	6.6256e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5423e+00	9.5433e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9604e+00	9.9605e+00	1e-01	3e-02	2e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	3e-04	5e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	5e-16	3e-07

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6: 1.0000e+01 1.0000e+01 1e-07 3e-08 5e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.2678e+00 5.2692e+00 6e+00 2e+00 3e-16 2e-01
2: 8.7278e+00 8.7282e+00 1e+00 4e-01 2e-15 3e-02
3: 9.1127e+00 9.1129e+00 3e-01 1e-01 3e-15 8e-03
4: 9.2368e+00 9.2368e+00 5e-02 1e-02 3e-15 1e-03
5: 9.2578e+00 9.2578e+00 5e-04 2e-04 8e-16 1e-05
6: 9.2580e+00 9.2580e+00 5e-06 2e-06 1e-15 1e-07
7: 9.2580e+00 9.2580e+00 5e-08 2e-08 8e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.0595e+00 5.0617e+00 7e+00 2e+00 2e-16 2e-01
2: 8.7621e+00 8.7628e+00 1e+00 4e-01 2e-15 3e-02
3: 9.2166e+00 9.2169e+00 4e-01 1e-01 1e-15 1e-02
4: 9.3483e+00 9.3484e+00 7e-02 2e-02 3e-15 2e-03
5: 9.3800e+00 9.3800e+00 1e-03 3e-04 9e-16 3e-05
6: 9.3804e+00 9.3804e+00 1e-05 3e-06 1e-15 3e-07
7: 9.3804e+00 9.3804e+00 1e-07 3e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 4.7071e+00 4.7144e+00 7e+00 2e+00 3e-16 2e-01
2: 7.3543e+00 7.3565e+00 1e+00 4e-01 1e-15 3e-02
3: 7.9223e+00 7.9232e+00 3e-01 1e-01 7e-16 8e-03
4: 8.0231e+00 8.0233e+00 5e-02 2e-02 9e-16 1e-03
5: 8.0433e+00 8.0434e+00 3e-03 8e-04 2e-15 6e-05
6: 8.0443e+00 8.0443e+00 3e-05 8e-06 3e-15 7e-07
7: 8.0443e+00 8.0443e+00 3e-07 8e-08 4e-15 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.4696e+00 5.4715e+00 7e+00 2e+00 2e-16 2e-01
2: 8.8883e+00 8.8889e+00 1e+00 5e-01 1e-15 4e-02
3: 9.4107e+00 9.4109e+00 3e-01 9e-02 2e-15 7e-03
4: 9.5196e+00 9.5196e+00 3e-02 1e-02 3e-15 8e-04
5: 9.5299e+00 9.5299e+00 4e-03 1e-03 4e-14 1e-04
6: 9.5316e+00 9.5316e+00 5e-04 2e-04 4e-15 1e-05
7: 9.5318e+00 9.5318e+00 1e-05 4e-06 2e-14 3e-07
8: 9.5318e+00 9.5318e+00 1e-07 4e-08 2e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8212e+00 2.8203e+00 6e+00 2e+00 3e-16 2e-01
2: 5.8110e+00 5.8107e+00 1e+00 4e-01 5e-16 3e-02
3: 6.2835e+00 6.2834e+00 3e-01 9e-02 1e-15 7e-03

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4:	6.4042e+00	6.4041e+00	6e-02	2e-02	1e-15	2e-03
5:	6.4292e+00	6.4292e+00	1e-03	5e-04	3e-15	4e-05
6:	6.4298e+00	6.4298e+00	1e-05	5e-06	2e-15	4e-07
7:	6.4298e+00	6.4298e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4370e+00	5.4425e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9711e+00	7.9739e+00	3e+00	8e-01	2e-15	6e-02
3:	8.8658e+00	8.8666e+00	4e-01	1e-01	1e-15	1e-02
4:	9.0449e+00	9.0451e+00	1e-01	4e-02	5e-16	3e-03
5:	9.1004e+00	9.1004e+00	7e-03	2e-03	1e-15	2e-04
6:	9.1029e+00	9.1029e+00	7e-05	2e-05	5e-16	2e-06
7:	9.1029e+00	9.1029e+00	7e-07	2e-07	4e-16	2e-08
8:	9.1029e+00	9.1029e+00	7e-09	2e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8503e+00	4.8581e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8199e+00	7.8221e+00	1e+00	4e-01	1e-15	3e-02
3:	8.3376e+00	8.3382e+00	3e-01	1e-01	3e-15	7e-03
4:	8.4711e+00	8.4712e+00	3e-02	1e-02	1e-15	8e-04
5:	8.4842e+00	8.4842e+00	4e-04	1e-04	2e-15	9e-06
6:	8.4843e+00	8.4843e+00	4e-06	1e-06	2e-15	9e-08
7:	8.4843e+00	8.4843e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7831e+00	5.7899e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4829e+00	9.4849e+00	1e+00	5e-01	3e-15	3e-02
3:	9.9230e+00	9.9236e+00	3e-01	8e-02	2e-15	6e-03
4:	9.9989e+00	9.9989e+00	4e-03	1e-03	2e-15	8e-05
5:	1.0000e+01	1.0000e+01	4e-05	1e-05	1e-15	8e-07
6:	1.0000e+01	1.0000e+01	4e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6141e+00	5.6237e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3480e+00	8.3508e+00	1e+00	4e-01	1e-15	3e-02
3:	8.7728e+00	8.7736e+00	3e-01	1e-01	7e-16	8e-03
4:	8.9135e+00	8.9137e+00	7e-02	2e-02	6e-16	2e-03
5:	8.9319e+00	8.9320e+00	2e-02	5e-03	6e-15	4e-04
6:	8.9385e+00	8.9385e+00	4e-04	1e-04	1e-15	9e-06
7:	8.9386e+00	8.9386e+00	4e-06	1e-06	2e-15	9e-08
8:	8.9386e+00	8.9386e+00	4e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	5.0843e+00	5.0895e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8262e+00	7.8281e+00	2e+00	5e-01	2e-15	4e-02
3:	8.4252e+00	8.4257e+00	4e-01	1e-01	1e-15	9e-03
4:	8.5883e+00	8.5883e+00	4e-02	1e-02	2e-15	1e-03
5:	8.6078e+00	8.6078e+00	3e-03	1e-03	1e-14	8e-05
6:	8.6089e+00	8.6089e+00	7e-05	2e-05	7e-14	2e-06
7:	8.6090e+00	8.6090e+00	7e-07	2e-07	4e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6142e+00	5.6162e+00	6e+00	2e+00	3e-16	2e-01
2:	9.0589e+00	9.0596e+00	1e+00	4e-01	2e-15	3e-02
3:	9.3040e+00	9.3043e+00	2e-01	8e-02	3e-15	6e-03
4:	9.3929e+00	9.3930e+00	7e-02	2e-02	8e-16	2e-03
5:	9.4168e+00	9.4168e+00	1e-02	3e-03	8e-16	2e-04
6:	9.4206e+00	9.4206e+00	2e-04	7e-05	1e-15	6e-06
7:	9.4207e+00	9.4207e+00	2e-06	7e-07	1e-15	6e-08
8:	9.4207e+00	9.4207e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3908e+00	5.3970e+00	8e+00	2e+00	2e-16	2e-01
2:	8.3397e+00	8.3412e+00	1e+00	4e-01	1e-15	3e-02
3:	8.8650e+00	8.8654e+00	3e-01	9e-02	9e-16	6e-03
4:	9.0096e+00	9.0097e+00	3e-02	9e-03	9e-16	7e-04
5:	9.0215e+00	9.0215e+00	2e-03	6e-04	7e-15	4e-05
6:	9.0223e+00	9.0223e+00	2e-05	6e-06	7e-16	4e-07
7:	9.0223e+00	9.0223e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4481e+00	4.4486e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4280e+00	7.4282e+00	2e+00	5e-01	1e-15	4e-02
3:	7.7822e+00	7.7823e+00	6e-01	2e-01	2e-15	1e-02
4:	8.0130e+00	8.0130e+00	1e-01	3e-02	8e-16	2e-03
5:	8.0493e+00	8.0493e+00	8e-03	3e-03	2e-15	2e-04
6:	8.0531e+00	8.0531e+00	9e-05	3e-05	5e-16	2e-06
7:	8.0531e+00	8.0531e+00	9e-07	3e-07	6e-16	2e-08
8:	8.0531e+00	8.0531e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3281e+00	5.3356e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9827e+00	7.9866e+00	3e+00	9e-01	9e-16	6e-02
3:	8.9584e+00	8.9597e+00	7e-01	2e-01	2e-15	2e-02
4:	9.1576e+00	9.1581e+00	2e-01	7e-02	2e-15	5e-03
5:	9.2413e+00	9.2414e+00	6e-02	2e-02	8e-16	2e-03
6:	9.2618e+00	9.2618e+00	1e-02	3e-03	5e-15	2e-04

7:	9.2653e+00	9.2653e+00	3e-04	9e-05	4e-15	7e-06
8:	9.2654e+00	9.2654e+00	3e-06	9e-07	2e-15	7e-08
9:	9.2654e+00	9.2654e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2897e+00	6.2936e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6481e+00	9.6490e+00	1e+00	3e-01	1e-15	2e-02
3:	9.9326e+00	9.9328e+00	3e-01	8e-02	2e-15	6e-03
4:	9.9954e+00	9.9954e+00	1e-02	4e-03	1e-14	3e-04
5:	1.0000e+01	1.0000e+01	1e-04	4e-05	1e-15	3e-06
6:	1.0000e+01	1.0000e+01	1e-06	4e-07	2e-15	3e-08
7:	1.0000e+01	1.0000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1161e+00	5.1210e+00	6e+00	2e+00	2e-16	1e-01
2:	7.5643e+00	7.5665e+00	2e+00	6e-01	1e-15	5e-02
3:	8.2703e+00	8.2709e+00	4e-01	1e-01	2e-15	9e-03
4:	8.3899e+00	8.3901e+00	9e-02	3e-02	3e-15	2e-03
5:	8.4250e+00	8.4251e+00	1e-02	5e-03	5e-15	3e-04
6:	8.4299e+00	8.4299e+00	1e-03	4e-04	1e-14	3e-05
7:	8.4304e+00	8.4304e+00	6e-04	2e-04	6e-15	1e-05
8:	8.4306e+00	8.4306e+00	6e-06	2e-06	8e-15	1e-07
9:	8.4306e+00	8.4306e+00	6e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3547e+00	6.3549e+00	6e+00	2e+00	3e-16	2e-01
2:	9.6112e+00	9.6112e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9598e+00	9.9598e+00	1e-01	5e-02	3e-15	4e-03
4:	9.9996e+00	9.9996e+00	2e-03	6e-04	8e-16	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	6e-06	1e-15	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0880e+00	7.0924e+00	6e+00	2e+00	3e-16	1e-01
2:	9.5757e+00	9.5770e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9670e+00	9.9672e+00	8e-02	3e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	8e-04	3e-04	7e-16	2e-05
5:	1.0000e+01	1.0000e+01	8e-06	3e-06	4e-16	2e-07
6:	1.0000e+01	1.0000e+01	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0377e+00	5.0395e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7522e+00	7.7527e+00	1e+00	5e-01	2e-15	3e-02



3:	8.3869e+00	8.3870e+00	2e-01	7e-02	2e-15	6e-03
4:	8.4720e+00	8.4720e+00	2e-02	5e-03	7e-16	4e-04
5:	8.4783e+00	8.4783e+00	5e-04	2e-04	2e-15	1e-05
6:	8.4785e+00	8.4785e+00	5e-06	2e-06	3e-15	1e-07
7:	8.4785e+00	8.4785e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4837e+00	5.4865e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5957e+00	9.5963e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9621e+00	9.9622e+00	1e-01	3e-02	1e-15	2e-03
4:	9.9913e+00	9.9913e+00	2e-02	6e-03	1e-14	5e-04
5:	9.9996e+00	9.9996e+00	2e-03	7e-04	5e-14	6e-05
6:	9.9999e+00	9.9999e+00	2e-04	5e-05	1e-12	4e-06
7:	1.0000e+01	1.0000e+01	2e-06	5e-07	2e-13	4e-08
8:	1.0000e+01	1.0000e+01	2e-08	5e-09	1e-13	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1563e+00	4.1555e+00	6e+00	2e+00	2e-16	2e-01
2:	7.2346e+00	7.2344e+00	1e+00	4e-01	1e-15	3e-02
3:	7.5378e+00	7.5377e+00	3e-01	9e-02	2e-15	7e-03
4:	7.6496e+00	7.6496e+00	6e-02	2e-02	7e-16	1e-03
5:	7.6728e+00	7.6728e+00	4e-03	1e-03	7e-16	9e-05
6:	7.6741e+00	7.6741e+00	4e-05	1e-05	7e-16	9e-07
7:	7.6741e+00	7.6741e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0409e+00	6.0459e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4348e+00	9.4364e+00	2e+00	5e-01	1e-15	4e-02
3:	9.9384e+00	9.9388e+00	2e-01	7e-02	1e-15	5e-03
4:	9.9992e+00	9.9992e+00	3e-03	9e-04	1e-15	7e-05
5:	1.0000e+01	1.0000e+01	3e-05	9e-06	1e-15	7e-07
6:	1.0000e+01	1.0000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7058e+00	4.7096e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4115e+00	7.4129e+00	2e+00	6e-01	9e-16	5e-02
3:	8.2489e+00	8.2493e+00	4e-01	1e-01	1e-15	1e-02
4:	8.3943e+00	8.3944e+00	6e-02	2e-02	3e-15	1e-03
5:	8.4202e+00	8.4202e+00	7e-03	2e-03	7e-16	2e-04
6:	8.4232e+00	8.4232e+00	7e-05	2e-05	1e-15	2e-06
7:	8.4232e+00	8.4232e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.2956e+00	3.2939e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7190e+00	5.7182e+00	2e+00	5e-01	2e-15	4e-02
3:	6.3218e+00	6.3216e+00	4e-01	1e-01	1e-15	1e-02
4:	6.4939e+00	6.4939e+00	4e-02	1e-02	7e-16	9e-04
5:	6.5073e+00	6.5073e+00	2e-03	5e-04	5e-15	4e-05
6:	6.5078e+00	6.5078e+00	2e-05	5e-06	1e-14	4e-07
7:	6.5078e+00	6.5078e+00	2e-07	5e-08	1e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0717e+00	5.0776e+00	8e+00	2e+00	2e-16	2e-01
2:	8.5023e+00	8.5038e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9294e+00	8.9299e+00	4e-01	1e-01	2e-15	8e-03
4:	9.0490e+00	9.0491e+00	9e-02	3e-02	2e-15	2e-03
5:	9.0837e+00	9.0838e+00	2e-02	7e-03	1e-15	5e-04
6:	9.0922e+00	9.0922e+00	4e-04	1e-04	6e-15	9e-06
7:	9.0923e+00	9.0923e+00	4e-06	1e-06	2e-15	9e-08
8:	9.0923e+00	9.0923e+00	4e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5443e+00	5.5495e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3680e+00	8.3698e+00	2e+00	6e-01	9e-16	4e-02
3:	9.0889e+00	9.0893e+00	3e-01	1e-01	2e-15	7e-03
4:	9.1927e+00	9.1927e+00	5e-02	1e-02	3e-15	1e-03
5:	9.2060e+00	9.2060e+00	5e-03	1e-03	1e-14	1e-04
6:	9.2080e+00	9.2080e+00	3e-04	1e-04	2e-15	8e-06
7:	9.2082e+00	9.2082e+00	5e-06	1e-06	9e-16	1e-07
8:	9.2082e+00	9.2082e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0192e+00	5.0187e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8221e+00	7.8220e+00	2e+00	6e-01	1e-15	5e-02
3:	8.4460e+00	8.4460e+00	4e-01	1e-01	3e-15	1e-02
4:	8.6201e+00	8.6200e+00	9e-02	3e-02	9e-16	2e-03
5:	8.6500e+00	8.6500e+00	1e-02	3e-03	6e-15	3e-04
6:	8.6547e+00	8.6547e+00	1e-04	4e-05	1e-15	3e-06
7:	8.6548e+00	8.6548e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8333e+00	4.8362e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2781e+00	7.2791e+00	1e+00	5e-01	2e-15	4e-02
3:	7.8522e+00	7.8525e+00	4e-01	1e-01	1e-15	9e-03
4:	7.9487e+00	7.9488e+00	1e-01	3e-02	2e-15	2e-03
5:	7.9979e+00	7.9980e+00	1e-02	4e-03	3e-15	3e-04
6:	8.0019e+00	8.0019e+00	3e-04	9e-05	1e-14	7e-06

7:	8.0020e+00	8.0020e+00	3e-06	9e-07	7e-15	7e-08
8:	8.0020e+00	8.0020e+00	3e-08	9e-09	7e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3732e+00	5.3818e+00	8e+00	2e+00	2e-16	2e-01
2:	8.2663e+00	8.2688e+00	2e+00	5e-01	2e-15	4e-02
3:	8.7995e+00	8.8001e+00	3e-01	1e-01	2e-15	7e-03
4:	8.9397e+00	8.9399e+00	8e-02	3e-02	8e-16	2e-03
5:	8.9675e+00	8.9675e+00	2e-02	5e-03	1e-15	4e-04
6:	8.9730e+00	8.9730e+00	3e-03	8e-04	1e-14	6e-05
7:	8.9740e+00	8.9740e+00	3e-05	9e-06	2e-15	7e-07
8:	8.9740e+00	8.9740e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0186e+00	5.0199e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7121e+00	8.7125e+00	1e+00	4e-01	2e-15	3e-02
3:	9.0718e+00	9.0720e+00	4e-01	1e-01	2e-15	1e-02
4:	9.2322e+00	9.2322e+00	8e-02	3e-02	1e-15	2e-03
5:	9.2605e+00	9.2605e+00	1e-02	4e-03	3e-15	3e-04
6:	9.2658e+00	9.2658e+00	1e-04	4e-05	5e-16	3e-06
7:	9.2658e+00	9.2658e+00	1e-06	4e-07	6e-16	3e-08
8:	9.2658e+00	9.2658e+00	1e-08	4e-09	4e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0017e+00	6.0051e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9694e+00	8.9704e+00	2e+00	5e-01	2e-15	4e-02
3:	9.6938e+00	9.6940e+00	3e-01	8e-02	1e-15	6e-03
4:	9.7446e+00	9.7447e+00	1e-01	4e-02	4e-15	3e-03
5:	9.8086e+00	9.8086e+00	7e-03	2e-03	1e-15	2e-04
6:	9.8112e+00	9.8112e+00	7e-05	2e-05	2e-15	2e-06
7:	9.8112e+00	9.8112e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6435e+00	7.6467e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0529e+01	1.0530e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0967e+01	1.0967e+01	8e-02	3e-02	3e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	3e-04	9e-16	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	3e-06	1e-15	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5343e+00	6.5398e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9029e+00	9.9048e+00	2e+00	5e-01	1e-15	4e-02

3:	1.0430e+01	1.0431e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0567e+01	1.0568e+01	1e-01	4e-02	5e-15	3e-03
5:	1.0632e+01	1.0632e+01	1e-02	3e-03	3e-15	3e-04
6:	1.0636e+01	1.0636e+01	1e-04	5e-05	1e-14	3e-06
7:	1.0636e+01	1.0636e+01	1e-06	5e-07	9e-15	3e-08
8:	1.0636e+01	1.0636e+01	1e-08	5e-09	8e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1393e+00	5.1459e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1891e+00	7.1910e+00	2e+00	5e-01	1e-15	3e-02
3:	7.7934e+00	7.7939e+00	3e-01	1e-01	1e-15	7e-03
4:	7.8909e+00	7.8910e+00	7e-02	2e-02	1e-15	2e-03
5:	7.9214e+00	7.9214e+00	7e-03	2e-03	8e-16	2e-04
6:	7.9244e+00	7.9244e+00	1e-04	3e-05	6e-16	2e-06
7:	7.9244e+00	7.9244e+00	1e-06	3e-07	6e-16	2e-08
8:	7.9244e+00	7.9244e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2741e+00	5.2774e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2112e+00	8.2123e+00	1e+00	4e-01	2e-15	3e-02
3:	8.7103e+00	8.7106e+00	3e-01	1e-01	8e-16	8e-03
4:	8.8247e+00	8.8248e+00	4e-02	1e-02	8e-16	9e-04
5:	8.8401e+00	8.8401e+00	3e-03	1e-03	2e-15	8e-05
6:	8.8412e+00	8.8412e+00	3e-05	1e-05	6e-15	8e-07
7:	8.8412e+00	8.8412e+00	3e-07	1e-07	5e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8825e+00	5.8915e+00	8e+00	2e+00	3e-16	2e-01
2:	9.7055e+00	9.7085e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0238e+01	1.0239e+01	3e-01	9e-02	1e-15	7e-03
4:	1.0372e+01	1.0372e+01	3e-02	1e-02	2e-15	7e-04
5:	1.0383e+01	1.0383e+01	3e-04	1e-04	4e-15	8e-06
6:	1.0384e+01	1.0384e+01	3e-06	1e-06	3e-15	8e-08
7:	1.0384e+01	1.0384e+01	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3564e+00	7.3608e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0170e+01	1.0172e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0779e+01	1.0779e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0909e+01	1.0909e+01	1e-01	4e-02	7e-15	3e-03
5:	1.0952e+01	1.0952e+01	2e-02	7e-03	4e-15	6e-04
6:	1.0961e+01	1.0961e+01	3e-03	1e-03	3e-15	7e-05
7:	1.0962e+01	1.0962e+01	1e-04	5e-05	2e-14	4e-06
8:	1.0962e+01	1.0962e+01	1e-06	5e-07	4e-15	4e-08

9: 1.0962e+01 1.0962e+01 1e-08 5e-09 3e-15 4e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9204e+00	3.9237e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3237e+00	6.3254e+00	2e+00	8e-01	2e-15	6e-02
3:	7.0797e+00	7.0802e+00	6e-01	2e-01	1e-15	1e-02
4:	7.2145e+00	7.2148e+00	3e-01	8e-02	2e-15	6e-03
5:	7.3173e+00	7.3174e+00	8e-02	2e-02	1e-15	2e-03
6:	7.3412e+00	7.3412e+00	1e-02	5e-03	4e-15	4e-04
7:	7.3474e+00	7.3474e+00	2e-04	5e-05	1e-15	4e-06
8:	7.3475e+00	7.3475e+00	2e-06	5e-07	8e-16	4e-08
9:	7.3475e+00	7.3475e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0097e+00	4.0176e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7641e+00	6.7664e+00	2e+00	5e-01	1e-15	4e-02
3:	7.3414e+00	7.3421e+00	4e-01	1e-01	1e-15	9e-03
4:	7.5122e+00	7.5123e+00	4e-02	1e-02	1e-15	1e-03
5:	7.5254e+00	7.5254e+00	6e-03	2e-03	5e-15	1e-04
6:	7.5279e+00	7.5279e+00	3e-04	8e-05	2e-15	6e-06
7:	7.5280e+00	7.5280e+00	3e-06	8e-07	3e-15	6e-08
8:	7.5280e+00	7.5280e+00	3e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2124e+00	5.2145e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2866e+00	8.2873e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9122e+00	8.9124e+00	3e-01	9e-02	2e-15	7e-03
4:	9.0448e+00	9.0448e+00	2e-02	6e-03	2e-15	4e-04
5:	9.0523e+00	9.0523e+00	2e-03	8e-04	1e-15	6e-05
6:	9.0532e+00	9.0532e+00	3e-05	8e-06	2e-15	6e-07
7:	9.0532e+00	9.0532e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0576e+00	6.0633e+00	8e+00	2e+00	3e-16	2e-01
2:	9.1487e+00	9.1505e+00	2e+00	6e-01	2e-15	4e-02
3:	9.9925e+00	9.9929e+00	4e-01	1e-01	2e-15	9e-03
4:	1.0113e+01	1.0113e+01	7e-02	2e-02	5e-15	2e-03
5:	1.0144e+01	1.0144e+01	6e-03	2e-03	2e-15	1e-04
6:	1.0146e+01	1.0146e+01	8e-05	2e-05	1e-14	2e-06
7:	1.0146e+01	1.0146e+01	8e-07	2e-07	7e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8854e+00	4.8893e+00	7e+00	2e+00	3e-16	2e-01

2:	8.5300e+00	8.5311e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9150e+00	8.9154e+00	4e-01	1e-01	2e-15	1e-02
4:	9.0266e+00	9.0267e+00	1e-01	4e-02	2e-15	3e-03
5:	9.0723e+00	9.0724e+00	2e-02	7e-03	2e-15	5e-04
6:	9.0801e+00	9.0801e+00	8e-04	2e-04	9e-15	2e-05
7:	9.0804e+00	9.0804e+00	8e-06	2e-06	2e-15	2e-07
8:	9.0804e+00	9.0804e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9658e+00	4.9679e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4902e+00	7.4910e+00	2e+00	5e-01	2e-15	4e-02
3:	8.1834e+00	8.1836e+00	3e-01	8e-02	7e-16	6e-03
4:	8.2626e+00	8.2626e+00	4e-02	1e-02	4e-15	1e-03
5:	8.2758e+00	8.2758e+00	6e-03	2e-03	3e-15	2e-04
6:	8.2785e+00	8.2785e+00	7e-05	2e-05	2e-15	2e-06
7:	8.2785e+00	8.2785e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1791e+00	5.1796e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6769e+00	7.6770e+00	1e+00	4e-01	3e-15	3e-02
3:	8.4487e+00	8.4487e+00	2e-01	8e-02	1e-15	6e-03
4:	8.5361e+00	8.5361e+00	5e-02	2e-02	2e-15	1e-03
5:	8.5516e+00	8.5516e+00	8e-03	3e-03	8e-15	2e-04
6:	8.5549e+00	8.5549e+00	2e-04	7e-05	2e-15	5e-06
7:	8.5550e+00	8.5550e+00	2e-06	7e-07	4e-15	5e-08
8:	8.5550e+00	8.5550e+00	2e-08	7e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5098e+00	7.5151e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0720e+01	1.0721e+01	8e-01	3e-01	4e-15	2e-02
3:	1.0987e+01	1.0987e+01	3e-02	1e-02	3e-15	8e-04
4:	1.1000e+01	1.1000e+01	3e-04	1e-04	5e-16	8e-06
5:	1.1000e+01	1.1000e+01	3e-06	1e-06	5e-16	8e-08
6:	1.1000e+01	1.1000e+01	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2682e+00	7.2718e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0003e+01	1.0004e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0497e+01	1.0497e+01	4e-01	1e-01	1e-15	8e-03
4:	1.0598e+01	1.0598e+01	1e-01	3e-02	4e-15	2e-03
5:	1.0635e+01	1.0635e+01	9e-03	3e-03	1e-15	2e-04
6:	1.0639e+01	1.0639e+01	2e-04	5e-05	8e-16	4e-06
7:	1.0639e+01	1.0639e+01	2e-06	5e-07	7e-16	4e-08
8:	1.0639e+01	1.0639e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7496e+00	5.7588e+00	8e+00	2e+00	2e-16	2e-01
2:	8.4818e+00	8.4857e+00	2e+00	8e-01	8e-16	5e-02
3:	9.1976e+00	9.1985e+00	5e-01	2e-01	1e-15	1e-02
4:	9.3604e+00	9.3608e+00	2e-01	5e-02	9e-16	4e-03
5:	9.4016e+00	9.4018e+00	4e-02	1e-02	3e-15	1e-03
6:	9.4172e+00	9.4172e+00	1e-03	4e-04	6e-16	3e-05
7:	9.4177e+00	9.4177e+00	1e-05	4e-06	9e-16	3e-07
8:	9.4177e+00	9.4177e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9100e+00	6.9153e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0023e+01	1.0025e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0846e+01	1.0847e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0984e+01	1.0984e+01	4e-02	1e-02	6e-15	9e-04
5:	1.1000e+01	1.1000e+01	4e-04	1e-04	1e-15	9e-06
6:	1.1000e+01	1.1000e+01	4e-06	1e-06	1e-15	9e-08
7:	1.1000e+01	1.1000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5938e+00	5.5963e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7453e+00	8.7464e+00	2e+00	7e-01	1e-15	5e-02
3:	9.6234e+00	9.6237e+00	4e-01	1e-01	2e-15	9e-03
4:	9.7434e+00	9.7434e+00	7e-02	2e-02	3e-15	2e-03
5:	9.7739e+00	9.7739e+00	1e-02	4e-03	6e-15	3e-04
6:	9.7780e+00	9.7780e+00	4e-04	1e-04	3e-14	1e-05
7:	9.7781e+00	9.7781e+00	4e-06	1e-06	1e-14	1e-07
8:	9.7781e+00	9.7781e+00	4e-08	1e-08	9e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0770e+00	6.0836e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8591e+00	9.8608e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0496e+01	1.0496e+01	2e-01	6e-02	8e-16	5e-03
4:	1.0527e+01	1.0528e+01	8e-02	2e-02	1e-14	2e-03
5:	1.0554e+01	1.0554e+01	8e-03	3e-03	3e-15	2e-04
6:	1.0557e+01	1.0557e+01	1e-04	4e-05	2e-14	3e-06
7:	1.0557e+01	1.0557e+01	1e-06	4e-07	1e-14	3e-08
8:	1.0557e+01	1.0557e+01	1e-08	4e-09	9e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6130e+00	6.6185e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0205e+01	1.0206e+01	1e+00	5e-01	3e-15	3e-02

3:	1.0891e+01	1.0891e+01	3e-01	1e-01	2e-15	7e-03
4:	1.0997e+01	1.0997e+01	8e-03	3e-03	3e-15	2e-04
5:	1.1000e+01	1.1000e+01	8e-05	3e-05	2e-15	2e-06
6:	1.1000e+01	1.1000e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7879e+00	5.7912e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2197e+00	9.2208e+00	1e+00	4e-01	1e-15	3e-02
3:	9.7906e+00	9.7909e+00	4e-01	1e-01	7e-16	8e-03
4:	9.8677e+00	9.8679e+00	1e-01	4e-02	7e-15	3e-03
5:	9.9120e+00	9.9120e+00	2e-02	5e-03	1e-15	4e-04
6:	9.9176e+00	9.9176e+00	2e-04	6e-05	2e-15	5e-06
7:	9.9177e+00	9.9177e+00	2e-06	6e-07	2e-15	5e-08
8:	9.9177e+00	9.9177e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0880e+00	6.0924e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5133e+00	9.5148e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9613e+00	9.9617e+00	3e-01	9e-02	2e-15	7e-03
4:	1.0085e+01	1.0085e+01	5e-02	2e-02	3e-15	1e-03
5:	1.0100e+01	1.0100e+01	6e-03	2e-03	2e-14	1e-04
6:	1.0102e+01	1.0102e+01	3e-04	1e-04	2e-15	7e-06
7:	1.0102e+01	1.0102e+01	3e-06	1e-06	5e-15	8e-08
8:	1.0102e+01	1.0102e+01	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0915e+00	3.0920e+00	6e+00	2e+00	2e-16	2e-01
2:	5.4509e+00	5.4511e+00	2e+00	6e-01	1e-15	5e-02
3:	6.1565e+00	6.1566e+00	4e-01	1e-01	9e-16	1e-02
4:	6.3144e+00	6.3144e+00	6e-02	2e-02	1e-15	1e-03
5:	6.3395e+00	6.3395e+00	5e-03	1e-03	2e-15	1e-04
6:	6.3413e+00	6.3413e+00	5e-05	1e-05	2e-15	1e-06
7:	6.3414e+00	6.3414e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1317e+00	4.1313e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9058e+00	6.9056e+00	2e+00	5e-01	2e-15	4e-02
3:	7.5801e+00	7.5801e+00	3e-01	9e-02	1e-15	7e-03
4:	7.6889e+00	7.6889e+00	6e-02	2e-02	1e-15	2e-03
5:	7.7118e+00	7.7118e+00	7e-03	2e-03	2e-15	2e-04
6:	7.7143e+00	7.7143e+00	2e-04	7e-05	3e-14	5e-06
7:	7.7144e+00	7.7144e+00	2e-06	7e-07	1e-14	5e-08
8:	7.7144e+00	7.7144e+00	2e-08	7e-09	8e-15	5e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2643e+00	6.2662e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7294e+00	9.7303e+00	2e+00	6e-01	2e-15	5e-02
3:	1.0407e+01	1.0408e+01	5e-01	1e-01	2e-15	1e-02
4:	1.0553e+01	1.0553e+01	7e-02	2e-02	3e-15	2e-03
5:	1.0586e+01	1.0586e+01	1e-02	4e-03	3e-15	3e-04
6:	1.0592e+01	1.0592e+01	6e-04	2e-04	2e-15	1e-05
7:	1.0592e+01	1.0592e+01	6e-06	2e-06	3e-15	1e-07
8:	1.0592e+01	1.0592e+01	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6333e+00	5.6374e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6906e+00	8.6922e+00	2e+00	5e-01	1e-15	4e-02
3:	9.1085e+00	9.1093e+00	6e-01	2e-01	1e-15	1e-02
4:	9.3468e+00	9.3470e+00	1e-01	4e-02	8e-16	3e-03
5:	9.3831e+00	9.3831e+00	6e-03	2e-03	3e-15	1e-04
6:	9.3852e+00	9.3852e+00	6e-05	2e-05	1e-15	1e-06
7:	9.3852e+00	9.3852e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7909e+00	5.8069e+00	9e+00	3e+00	3e-16	2e-01
2:	8.0979e+00	8.1047e+00	2e+00	6e-01	1e-15	5e-02
3:	8.9027e+00	8.9051e+00	6e-01	2e-01	8e-16	1e-02
4:	9.0439e+00	9.0443e+00	9e-02	3e-02	3e-15	2e-03
5:	9.0717e+00	9.0717e+00	4e-03	1e-03	2e-15	1e-04
6:	9.0733e+00	9.0733e+00	4e-05	1e-05	7e-16	1e-06
7:	9.0733e+00	9.0733e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3874e+00	5.3942e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1974e+00	8.1993e+00	1e+00	5e-01	6e-16	3e-02
3:	8.8586e+00	8.8590e+00	2e-01	7e-02	8e-16	5e-03
4:	8.9489e+00	8.9490e+00	1e-02	5e-03	2e-15	3e-04
5:	8.9537e+00	8.9537e+00	2e-04	5e-05	4e-15	4e-06
6:	8.9538e+00	8.9538e+00	2e-06	5e-07	3e-15	4e-08
7:	8.9538e+00	8.9538e+00	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7057e+00	6.7110e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1858e+00	9.1878e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0057e+01	1.0058e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0150e+01	1.0151e+01	3e-01	8e-02	5e-15	6e-03
5:	1.0264e+01	1.0264e+01	3e-02	8e-03	2e-15	6e-04

6:	1.0275e+01	1.0275e+01	4e-04	1e-04	9e-16	1e-05
7:	1.0276e+01	1.0276e+01	4e-06	1e-06	9e-16	1e-07
8:	1.0276e+01	1.0276e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6458e+00	4.6511e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3543e+00	7.3560e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9344e+00	7.9350e+00	5e-01	2e-01	1e-15	1e-02
4:	8.1127e+00	8.1128e+00	1e-01	4e-02	2e-15	3e-03
5:	8.1642e+00	8.1642e+00	1e-02	3e-03	2e-15	3e-04
6:	8.1688e+00	8.1688e+00	1e-04	4e-05	1e-15	3e-06
7:	8.1688e+00	8.1688e+00	1e-06	4e-07	2e-15	3e-08
8:	8.1688e+00	8.1688e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3041e+00	5.3035e+00	6e+00	2e+00	3e-16	2e-01
2:	8.4050e+00	8.4048e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9708e+00	8.9708e+00	3e-01	9e-02	1e-15	7e-03
4:	9.0846e+00	9.0846e+00	3e-02	1e-02	3e-15	8e-04
5:	9.0974e+00	9.0974e+00	3e-04	1e-04	6e-16	8e-06
6:	9.0975e+00	9.0975e+00	3e-06	1e-06	6e-16	8e-08
7:	9.0975e+00	9.0975e+00	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4683e+00	5.4768e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6934e+00	8.6971e+00	2e+00	7e-01	2e-15	5e-02
3:	9.4047e+00	9.4056e+00	4e-01	1e-01	1e-15	1e-02
4:	9.6004e+00	9.6006e+00	5e-02	2e-02	2e-15	1e-03
5:	9.6217e+00	9.6217e+00	6e-04	2e-04	8e-16	1e-05
6:	9.6219e+00	9.6219e+00	6e-06	2e-06	6e-16	1e-07
7:	9.6219e+00	9.6219e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3075e+00	5.3128e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1738e+00	9.1753e+00	1e+00	4e-01	1e-15	3e-02
3:	9.6559e+00	9.6563e+00	3e-01	9e-02	3e-15	7e-03
4:	9.7290e+00	9.7291e+00	8e-02	3e-02	7e-15	2e-03
5:	9.7639e+00	9.7639e+00	5e-03	2e-03	2e-15	1e-04
6:	9.7659e+00	9.7659e+00	5e-05	2e-05	3e-15	1e-06
7:	9.7659e+00	9.7659e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7406e+00	4.7452e+00	7e+00	2e+00	3e-16	2e-01

2:	7.9883e+00	7.9902e+00	2e+00	7e-01	2e-15	5e-02
3:	8.8434e+00	8.8440e+00	5e-01	2e-01	1e-15	1e-02
4:	8.9843e+00	8.9844e+00	1e-01	4e-02	5e-15	3e-03
5:	9.0307e+00	9.0308e+00	2e-02	6e-03	2e-15	5e-04
6:	9.0385e+00	9.0385e+00	2e-03	7e-04	1e-15	5e-05
7:	9.0393e+00	9.0393e+00	2e-05	7e-06	3e-15	5e-07
8:	9.0393e+00	9.0393e+00	2e-07	7e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1895e+00	7.1951e+00	7e+00	2e+00	2e-16	2e-01
2:	9.9125e+00	9.9142e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0568e+01	1.0569e+01	7e-01	2e-01	3e-15	2e-02
4:	1.0815e+01	1.0815e+01	1e-01	4e-02	3e-15	3e-03
5:	1.0870e+01	1.0870e+01	3e-02	9e-03	1e-15	7e-04
6:	1.0876e+01	1.0876e+01	1e-02	4e-03	3e-15	3e-04
7:	1.0881e+01	1.0881e+01	2e-03	6e-04	1e-15	4e-05
8:	1.0882e+01	1.0882e+01	2e-05	7e-06	7e-15	6e-07
9:	1.0882e+01	1.0882e+01	2e-07	7e-08	7e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1013e+00	5.1047e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3522e+00	8.3532e+00	1e+00	5e-01	1e-15	3e-02
3:	8.9426e+00	8.9428e+00	3e-01	8e-02	9e-16	6e-03
4:	9.0529e+00	9.0529e+00	6e-02	2e-02	2e-15	1e-03
5:	9.0762e+00	9.0762e+00	2e-02	5e-03	9e-16	4e-04
6:	9.0822e+00	9.0822e+00	3e-03	9e-04	8e-15	7e-05
7:	9.0835e+00	9.0835e+00	4e-05	1e-05	2e-15	9e-07
8:	9.0835e+00	9.0835e+00	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7524e+00	5.7610e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2338e+00	9.2364e+00	2e+00	5e-01	2e-15	4e-02
3:	9.8429e+00	9.8436e+00	3e-01	9e-02	1e-15	7e-03
4:	9.9093e+00	9.9096e+00	1e-01	3e-02	1e-14	2e-03
5:	9.9523e+00	9.9523e+00	8e-03	3e-03	1e-15	2e-04
6:	9.9563e+00	9.9563e+00	9e-05	3e-05	1e-15	2e-06
7:	9.9563e+00	9.9563e+00	9e-07	3e-07	1e-15	2e-08
8:	9.9563e+00	9.9563e+00	9e-09	3e-09	3e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7598e+00	4.7641e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6217e+00	7.6231e+00	2e+00	5e-01	2e-15	4e-02
3:	8.0823e+00	8.0828e+00	3e-01	1e-01	8e-16	8e-03
4:	8.2019e+00	8.2019e+00	5e-02	2e-02	8e-16	1e-03

5:	8.2213e+00	8.2213e+00	2e-03	6e-04	4e-15	5e-05
6:	8.2221e+00	8.2221e+00	2e-05	6e-06	3e-15	5e-07
7:	8.2221e+00	8.2221e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5287e+00	6.5312e+00	6e+00	2e+00	2e-16	2e-01
2:	9.6008e+00	9.6016e+00	1e+00	4e-01	2e-15	3e-02
3:	9.8485e+00	9.8491e+00	6e-01	2e-01	4e-15	1e-02
4:	1.0069e+01	1.0069e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0115e+01	1.0115e+01	1e-02	3e-03	1e-15	3e-04
6:	1.0119e+01	1.0119e+01	1e-04	3e-05	2e-15	3e-06
7:	1.0119e+01	1.0119e+01	1e-06	3e-07	2e-15	3e-08
8:	1.0119e+01	1.0119e+01	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0945e+00	6.0971e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9413e+00	8.9421e+00	1e+00	4e-01	1e-15	3e-02
3:	9.4930e+00	9.4932e+00	2e-01	7e-02	7e-16	5e-03
4:	9.5835e+00	9.5835e+00	3e-02	1e-02	2e-15	8e-04
5:	9.5911e+00	9.5911e+00	7e-03	2e-03	3e-14	2e-04
6:	9.5939e+00	9.5939e+00	9e-05	3e-05	1e-14	2e-06
7:	9.5939e+00	9.5939e+00	9e-07	3e-07	7e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0969e+00	5.1039e+00	8e+00	2e+00	3e-16	2e-01
2:	8.6553e+00	8.6573e+00	2e+00	5e-01	1e-15	4e-02
3:	9.3445e+00	9.3450e+00	3e-01	9e-02	2e-15	6e-03
4:	9.4789e+00	9.4789e+00	2e-02	6e-03	2e-15	5e-04
5:	9.4867e+00	9.4867e+00	2e-03	6e-04	3e-14	4e-05
6:	9.4876e+00	9.4876e+00	2e-05	6e-06	4e-15	4e-07
7:	9.4877e+00	9.4877e+00	2e-07	6e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4245e+00	4.4308e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7737e+00	7.7756e+00	1e+00	4e-01	7e-16	3e-02
3:	8.1820e+00	8.1825e+00	3e-01	9e-02	1e-15	7e-03
4:	8.3047e+00	8.3048e+00	1e-02	3e-03	7e-16	2e-04
5:	8.3086e+00	8.3086e+00	1e-04	3e-05	6e-16	2e-06
6:	8.3086e+00	8.3086e+00	1e-06	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6383e+00	4.6475e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4768e+00	7.4794e+00	1e+00	4e-01	2e-15	3e-02

3:	8.0494e+00	8.0500e+00	3e-01	9e-02	2e-15	6e-03
4:	8.1518e+00	8.1519e+00	5e-02	2e-02	1e-15	1e-03
5:	8.1681e+00	8.1682e+00	2e-03	7e-04	6e-15	6e-05
6:	8.1690e+00	8.1690e+00	2e-05	7e-06	9e-16	6e-07
7:	8.1690e+00	8.1690e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6804e+00	6.6814e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0092e+01	1.0093e+01	1e+00	5e-01	2e-15	4e-02
3:	1.0826e+01	1.0826e+01	3e-01	9e-02	1e-15	7e-03
4:	1.0937e+01	1.0937e+01	5e-02	1e-02	7e-15	1e-03
5:	1.0955e+01	1.0955e+01	1e-03	5e-04	1e-14	4e-05
6:	1.0955e+01	1.0955e+01	1e-05	5e-06	7e-15	4e-07
7:	1.0955e+01	1.0955e+01	1e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6676e+00	5.6709e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2363e+00	8.2376e+00	2e+00	5e-01	2e-15	4e-02
3:	8.7899e+00	8.7902e+00	4e-01	1e-01	1e-15	9e-03
4:	8.9160e+00	8.9161e+00	7e-02	2e-02	9e-16	2e-03
5:	8.9394e+00	8.9394e+00	6e-03	2e-03	1e-15	1e-04
6:	8.9417e+00	8.9417e+00	6e-05	2e-05	7e-16	2e-06
7:	8.9417e+00	8.9417e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1877e+00	5.1856e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9492e+00	7.9484e+00	1e+00	4e-01	1e-15	4e-02
3:	8.5152e+00	8.5149e+00	3e-01	1e-01	2e-15	8e-03
4:	8.6519e+00	8.6519e+00	5e-02	1e-02	5e-15	1e-03
5:	8.6767e+00	8.6767e+00	5e-04	2e-04	3e-15	1e-05
6:	8.6770e+00	8.6770e+00	5e-06	2e-06	2e-15	1e-07
7:	8.6770e+00	8.6770e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8215e+00	5.8274e+00	8e+00	3e+00	2e-16	2e-01
2:	8.1581e+00	8.1601e+00	2e+00	7e-01	2e-15	5e-02
3:	9.0247e+00	9.0257e+00	7e-01	2e-01	1e-15	2e-02
4:	9.2329e+00	9.2331e+00	1e-01	4e-02	1e-15	3e-03
5:	9.2722e+00	9.2723e+00	2e-02	7e-03	4e-15	5e-04
6:	9.2783e+00	9.2783e+00	2e-03	6e-04	2e-14	5e-05
7:	9.2790e+00	9.2790e+00	5e-05	1e-05	2e-15	1e-06
8:	9.2790e+00	9.2790e+00	5e-07	1e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6505e+00	5.6522e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5560e+00	8.5566e+00	1e+00	5e-01	2e-15	3e-02
3:	9.2270e+00	9.2271e+00	2e-01	5e-02	1e-15	4e-03
4:	9.2903e+00	9.2903e+00	3e-02	1e-02	9e-15	8e-04
5:	9.3056e+00	9.3056e+00	6e-04	2e-04	4e-15	1e-05
6:	9.3058e+00	9.3058e+00	6e-06	2e-06	3e-15	1e-07
7:	9.3058e+00	9.3058e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1140e+00	6.1184e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4855e+00	9.4872e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0147e+01	1.0147e+01	2e-01	7e-02	9e-16	6e-03
4:	1.0249e+01	1.0249e+01	3e-02	8e-03	4e-15	6e-04
5:	1.0257e+01	1.0257e+01	4e-03	1e-03	7e-14	9e-05
6:	1.0258e+01	1.0258e+01	4e-05	1e-05	5e-15	9e-07
7:	1.0258e+01	1.0258e+01	4e-07	1e-07	6e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9980e+00	7.0000e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7909e+00	9.7918e+00	2e+00	6e-01	8e-16	5e-02
3:	1.0285e+01	1.0286e+01	4e-01	1e-01	3e-15	1e-02
4:	1.0466e+01	1.0466e+01	7e-02	2e-02	7e-16	2e-03
5:	1.0492e+01	1.0492e+01	2e-02	6e-03	5e-16	5e-04
6:	1.0499e+01	1.0499e+01	2e-03	6e-04	8e-16	5e-05
7:	1.0500e+01	1.0500e+01	2e-05	7e-06	6e-16	5e-07
8:	1.0500e+01	1.0500e+01	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7538e+00	6.7595e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0741e+01	1.0743e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1296e+01	1.1296e+01	2e-01	8e-02	4e-15	6e-03
4:	1.1378e+01	1.1378e+01	9e-02	3e-02	2e-15	2e-03
5:	1.1403e+01	1.1403e+01	2e-03	6e-04	3e-15	5e-05
6:	1.1404e+01	1.1404e+01	2e-05	6e-06	2e-15	5e-07
7:	1.1404e+01	1.1404e+01	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4652e+00	6.4699e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0069e+01	1.0070e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0509e+01	1.0510e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0615e+01	1.0615e+01	3e-02	1e-02	4e-15	8e-04
5:	1.0630e+01	1.0630e+01	4e-04	1e-04	1e-15	1e-05
6:	1.0631e+01	1.0631e+01	4e-06	1e-06	8e-16	1e-07

7: 1.0631e+01 1.0631e+01 4e-08 1e-08 8e-16 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0443e+00	7.0469e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0277e+01	1.0278e+01	2e+00	6e-01	3e-15	5e-02
3:	1.1059e+01	1.1059e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1203e+01	1.1203e+01	7e-02	2e-02	2e-15	2e-03
5:	1.1236e+01	1.1236e+01	3e-03	1e-03	3e-15	8e-05
6:	1.1237e+01	1.1237e+01	3e-05	1e-05	1e-15	8e-07
7:	1.1237e+01	1.1237e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7507e+00	4.7590e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2408e+00	8.2437e+00	2e+00	5e-01	1e-15	4e-02
3:	8.7191e+00	8.7199e+00	4e-01	1e-01	9e-16	9e-03
4:	8.8602e+00	8.8603e+00	4e-02	1e-02	2e-15	1e-03
5:	8.8776e+00	8.8776e+00	7e-04	2e-04	7e-16	2e-05
6:	8.8779e+00	8.8779e+00	7e-06	2e-06	8e-16	2e-07
7:	8.8779e+00	8.8779e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9482e+00	6.9476e+00	6e+00	2e+00	3e-16	2e-01
2:	1.0415e+01	1.0414e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0963e+01	1.0963e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1124e+01	1.1124e+01	4e-02	1e-02	5e-15	1e-03
5:	1.1136e+01	1.1136e+01	6e-03	2e-03	6e-15	2e-04
6:	1.1138e+01	1.1138e+01	2e-04	5e-05	1e-15	4e-06
7:	1.1138e+01	1.1138e+01	2e-06	5e-07	2e-15	4e-08
8:	1.1138e+01	1.1138e+01	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7297e+00	5.7320e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2219e+00	9.2229e+00	2e+00	6e-01	2e-15	5e-02
3:	9.9450e+00	9.9452e+00	3e-01	1e-01	1e-15	8e-03
4:	1.0065e+01	1.0066e+01	9e-02	3e-02	3e-15	2e-03
5:	1.0090e+01	1.0090e+01	2e-02	7e-03	1e-14	5e-04
6:	1.0100e+01	1.0100e+01	4e-04	1e-04	1e-15	1e-05
7:	1.0101e+01	1.0101e+01	4e-06	1e-06	3e-15	1e-07
8:	1.0101e+01	1.0101e+01	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4925e+00	5.4935e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4354e+00	8.4358e+00	2e+00	5e-01	2e-15	4e-02

3:	9.0354e+00	9.0355e+00	3e-01	9e-02	2e-15	7e-03
4:	9.1675e+00	9.1675e+00	4e-02	1e-02	1e-15	1e-03
5:	9.1817e+00	9.1817e+00	5e-03	2e-03	6e-15	1e-04
6:	9.1840e+00	9.1840e+00	2e-04	5e-05	8e-16	4e-06
7:	9.1840e+00	9.1840e+00	2e-06	5e-07	2e-15	4e-08
8:	9.1840e+00	9.1840e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0543e+00	7.0623e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0523e+01	1.0526e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1017e+01	1.1018e+01	5e-01	1e-01	2e-15	1e-02
4:	1.1227e+01	1.1228e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1247e+01	1.1248e+01	6e-02	2e-02	9e-15	2e-03
6:	1.1272e+01	1.1272e+01	4e-03	1e-03	1e-15	9e-05
7:	1.1273e+01	1.1273e+01	4e-05	1e-05	3e-15	9e-07
8:	1.1273e+01	1.1273e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5321e+00	7.5380e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1107e+01	1.1108e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1595e+01	1.1595e+01	4e-01	1e-01	2e-15	9e-03
4:	1.1776e+01	1.1776e+01	6e-02	2e-02	2e-15	1e-03
5:	1.1803e+01	1.1803e+01	9e-04	3e-04	1e-15	2e-05
6:	1.1803e+01	1.1803e+01	9e-06	3e-06	1e-15	2e-07
7:	1.1803e+01	1.1803e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4226e+00	6.4287e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5370e+00	8.5386e+00	1e+00	4e-01	2e-15	3e-02
3:	9.0576e+00	9.0581e+00	4e-01	1e-01	1e-15	1e-02
4:	9.2127e+00	9.2128e+00	9e-02	3e-02	2e-15	2e-03
5:	9.2475e+00	9.2475e+00	1e-02	3e-03	2e-15	3e-04
6:	9.2528e+00	9.2528e+00	2e-04	6e-05	1e-15	5e-06
7:	9.2529e+00	9.2529e+00	2e-06	6e-07	1e-15	5e-08
8:	9.2529e+00	9.2529e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8537e+00	5.8620e+00	7e+00	2e+00	2e-16	2e-01
2:	9.3780e+00	9.3805e+00	1e+00	5e-01	1e-15	3e-02
3:	9.6154e+00	9.6167e+00	5e-01	2e-01	2e-15	1e-02
4:	9.8149e+00	9.8151e+00	9e-02	3e-02	1e-15	2e-03
5:	9.8397e+00	9.8398e+00	2e-02	6e-03	3e-15	5e-04
6:	9.8460e+00	9.8460e+00	5e-03	1e-03	8e-16	1e-04
7:	9.8476e+00	9.8476e+00	5e-05	2e-05	2e-15	1e-06



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8: 9.8476e+00 9.8476e+00 5e-07 2e-07 2e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.9401e+00 6.9423e+00 7e+00 2e+00 3e-16 2e-01
2: 9.7883e+00 9.7890e+00 2e+00 6e-01 2e-15 5e-02
3: 1.0678e+01 1.0678e+01 4e-01 1e-01 3e-15 9e-03
4: 1.0845e+01 1.0845e+01 4e-02 1e-02 3e-15 9e-04
5: 1.0862e+01 1.0862e+01 5e-03 2e-03 1e-15 1e-04
6: 1.0865e+01 1.0865e+01 5e-05 2e-05 2e-15 1e-06
7: 1.0865e+01 1.0865e+01 5e-07 2e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.1019e+00 5.1064e+00 7e+00 2e+00 3e-16 2e-01
2: 8.3636e+00 8.3650e+00 1e+00 4e-01 1e-15 3e-02
3: 8.8744e+00 8.8748e+00 3e-01 1e-01 2e-15 7e-03
4: 8.9614e+00 8.9615e+00 6e-02 2e-02 4e-15 1e-03
5: 8.9839e+00 8.9839e+00 8e-03 3e-03 9e-16 2e-04
6: 8.9869e+00 8.9869e+00 8e-05 3e-05 2e-15 2e-06
7: 8.9870e+00 8.9870e+00 8e-07 3e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.4443e+00 6.4467e+00 7e+00 2e+00 3e-16 2e-01
2: 9.1722e+00 9.1733e+00 2e+00 6e-01 1e-15 5e-02
3: 9.8485e+00 9.8489e+00 4e-01 1e-01 1e-15 9e-03
4: 9.9939e+00 9.9940e+00 5e-02 2e-02 5e-16 1e-03
5: 1.0012e+01 1.0012e+01 7e-04 2e-04 7e-16 2e-05
6: 1.0013e+01 1.0013e+01 7e-06 2e-06 6e-16 2e-07
7: 1.0013e+01 1.0013e+01 7e-08 2e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.7669e+00 6.7739e+00 7e+00 2e+00 4e-16 2e-01
2: 9.5716e+00 9.5740e+00 2e+00 6e-01 2e-15 4e-02
3: 1.0306e+01 1.0307e+01 5e-01 2e-01 1e-15 1e-02
4: 1.0460e+01 1.0460e+01 8e-02 3e-02 3e-15 2e-03
5: 1.0493e+01 1.0493e+01 2e-02 5e-03 1e-15 4e-04
6: 1.0500e+01 1.0500e+01 3e-04 8e-05 2e-15 6e-06
7: 1.0500e+01 1.0500e+01 3e-06 8e-07 2e-15 6e-08
8: 1.0500e+01 1.0500e+01 3e-08 8e-09 2e-15 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.4685e+00 8.4709e+00 6e+00 2e+00 3e-16 2e-01
2: 1.1312e+01 1.1313e+01 1e+00 4e-01 1e-15 3e-02
3: 1.1932e+01 1.1932e+01 2e-01 5e-02 2e-15 4e-03

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4:	1.1998e+01	1.1998e+01	4e-03	1e-03	7e-15	9e-05
5:	1.2000e+01	1.2000e+01	4e-05	1e-05	3e-15	9e-07
6:	1.2000e+01	1.2000e+01	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6187e+00	4.6218e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9386e+00	6.9395e+00	2e+00	5e-01	2e-15	4e-02
3:	7.6195e+00	7.6197e+00	3e-01	9e-02	9e-16	7e-03
4:	7.7450e+00	7.7451e+00	5e-02	2e-02	1e-15	1e-03
5:	7.7642e+00	7.7643e+00	6e-03	2e-03	7e-15	1e-04
6:	7.7671e+00	7.7671e+00	6e-05	2e-05	7e-16	1e-06
7:	7.7672e+00	7.7672e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0290e+00	5.0329e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9747e+00	7.9760e+00	1e+00	5e-01	2e-15	4e-02
3:	8.6644e+00	8.6648e+00	3e-01	9e-02	1e-15	7e-03
4:	8.7849e+00	8.7850e+00	5e-02	1e-02	2e-15	1e-03
5:	8.8035e+00	8.8035e+00	1e-03	5e-04	4e-15	3e-05
6:	8.8041e+00	8.8041e+00	1e-05	5e-06	9e-15	3e-07
7:	8.8041e+00	8.8041e+00	1e-07	5e-08	7e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4079e+00	5.4137e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5741e+00	8.5760e+00	2e+00	5e-01	2e-15	4e-02
3:	9.2019e+00	9.2026e+00	5e-01	2e-01	2e-15	1e-02
4:	9.3978e+00	9.3980e+00	8e-02	2e-02	2e-15	2e-03
5:	9.4347e+00	9.4347e+00	2e-03	7e-04	1e-15	5e-05
6:	9.4357e+00	9.4357e+00	2e-05	7e-06	1e-15	5e-07
7:	9.4357e+00	9.4357e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1907e+00	4.1891e+00	6e+00	2e+00	2e-16	2e-01
2:	7.5304e+00	7.5297e+00	1e+00	5e-01	2e-15	4e-02
3:	8.0839e+00	8.0838e+00	3e-01	1e-01	8e-16	8e-03
4:	8.2030e+00	8.2030e+00	4e-02	1e-02	1e-15	9e-04
5:	8.2171e+00	8.2171e+00	5e-04	1e-04	3e-15	1e-05
6:	8.2172e+00	8.2172e+00	5e-06	1e-06	2e-15	1e-07
7:	8.2172e+00	8.2172e+00	5e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0049e+00	6.0193e+00	8e+00	3e+00	2e-16	2e-01
2:	9.5263e+00	9.5305e+00	2e+00	6e-01	1e-15	4e-02

3:	1.0107e+01	1.0108e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0316e+01	1.0316e+01	7e-02	2e-02	6e-16	2e-03
5:	1.0340e+01	1.0340e+01	1e-02	4e-03	3e-14	3e-04
6:	1.0344e+01	1.0344e+01	2e-03	6e-04	9e-14	4e-05
7:	1.0344e+01	1.0344e+01	2e-05	6e-06	5e-15	5e-07
8:	1.0344e+01	1.0344e+01	2e-07	6e-08	1e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3420e+00	4.3402e+00	6e+00	2e+00	3e-16	2e-01
2:	7.4296e+00	7.4287e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9860e+00	7.9857e+00	5e-01	1e-01	2e-15	1e-02
4:	8.2221e+00	8.2221e+00	3e-02	9e-03	8e-16	7e-04
5:	8.2343e+00	8.2343e+00	3e-04	9e-05	3e-15	8e-06
6:	8.2345e+00	8.2345e+00	3e-06	9e-07	2e-15	8e-08
7:	8.2345e+00	8.2345e+00	3e-08	9e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9269e+00	5.9323e+00	8e+00	2e+00	3e-16	2e-01
2:	9.2691e+00	9.2708e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0053e+01	1.0054e+01	6e-01	2e-01	8e-16	1e-02
4:	1.0273e+01	1.0273e+01	3e-02	1e-02	1e-15	8e-04
5:	1.0287e+01	1.0287e+01	3e-04	1e-04	6e-16	8e-06
6:	1.0287e+01	1.0287e+01	3e-06	1e-06	7e-16	8e-08
7:	1.0287e+01	1.0287e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3015e+00	6.3072e+00	8e+00	2e+00	3e-16	2e-01
2:	9.7085e+00	9.7099e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0089e+01	1.0090e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0275e+01	1.0275e+01	1e-01	3e-02	1e-15	3e-03
5:	1.0323e+01	1.0323e+01	3e-03	1e-03	2e-15	7e-05
6:	1.0324e+01	1.0324e+01	3e-05	1e-05	1e-15	7e-07
7:	1.0324e+01	1.0324e+01	3e-07	1e-07	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4765e+00	7.4791e+00	6e+00	2e+00	2e-16	2e-01
2:	1.0702e+01	1.0703e+01	1e+00	3e-01	1e-15	2e-02
3:	1.1099e+01	1.1099e+01	2e-01	6e-02	3e-15	4e-03
4:	1.1162e+01	1.1162e+01	3e-02	1e-02	2e-15	8e-04
5:	1.1177e+01	1.1177e+01	7e-04	2e-04	1e-15	2e-05
6:	1.1177e+01	1.1177e+01	7e-06	2e-06	1e-15	2e-07
7:	1.1177e+01	1.1177e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0675e+00	7.0730e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8752e+00	9.8768e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0518e+01	1.0518e+01	3e-01	1e-01	9e-16	8e-03
4:	1.0653e+01	1.0653e+01	6e-02	2e-02	6e-16	1e-03
5:	1.0673e+01	1.0673e+01	5e-03	2e-03	8e-16	1e-04
6:	1.0675e+01	1.0675e+01	5e-04	2e-04	8e-16	1e-05
7:	1.0675e+01	1.0675e+01	5e-06	2e-06	7e-16	1e-07
8:	1.0675e+01	1.0675e+01	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8546e+00	5.8591e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7602e+00	8.7622e+00	2e+00	7e-01	2e-15	5e-02
3:	9.5609e+00	9.5613e+00	3e-01	1e-01	9e-16	7e-03
4:	9.6941e+00	9.6942e+00	5e-02	2e-02	3e-15	1e-03
5:	9.7142e+00	9.7142e+00	1e-03	3e-04	4e-15	2e-05
6:	9.7146e+00	9.7146e+00	1e-05	3e-06	2e-15	2e-07
7:	9.7146e+00	9.7146e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8779e+00	6.8867e+00	8e+00	2e+00	3e-16	2e-01
2:	9.9335e+00	9.9362e+00	2e+00	5e-01	7e-16	4e-02
3:	1.0672e+01	1.0673e+01	2e-01	8e-02	3e-15	5e-03
4:	1.0756e+01	1.0756e+01	4e-02	1e-02	4e-15	8e-04
5:	1.0773e+01	1.0773e+01	7e-03	2e-03	1e-15	2e-04
6:	1.0775e+01	1.0775e+01	8e-05	3e-05	1e-15	2e-06
7:	1.0775e+01	1.0775e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8673e+00	6.8699e+00	7e+00	2e+00	4e-16	2e-01
2:	9.9284e+00	9.9293e+00	2e+00	5e-01	3e-15	4e-02
3:	1.0462e+01	1.0462e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0588e+01	1.0588e+01	7e-02	2e-02	7e-16	2e-03
5:	1.0617e+01	1.0617e+01	1e-03	3e-04	1e-15	2e-05
6:	1.0618e+01	1.0618e+01	1e-05	3e-06	1e-15	2e-07
7:	1.0618e+01	1.0618e+01	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0313e+00	5.0341e+00	7e+00	2e+00	4e-16	2e-01
2:	8.7272e+00	8.7279e+00	1e+00	4e-01	1e-15	3e-02
3:	9.1829e+00	9.1831e+00	1e-01	5e-02	2e-15	4e-03
4:	9.2357e+00	9.2357e+00	3e-02	1e-02	1e-15	7e-04
5:	9.2467e+00	9.2467e+00	1e-02	3e-03	5e-16	2e-04
6:	9.2488e+00	9.2488e+00	4e-03	1e-03	7e-15	1e-04

7:	9.2503e+00	9.2503e+00	6e-05	2e-05	5e-16	1e-06
8:	9.2504e+00	9.2504e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1958e+00	7.2047e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0737e+01	1.0740e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1702e+01	1.1703e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1804e+01	1.1805e+01	1e-01	4e-02	4e-15	3e-03
5:	1.1854e+01	1.1854e+01	6e-03	2e-03	1e-15	1e-04
6:	1.1856e+01	1.1856e+01	7e-05	2e-05	1e-14	2e-06
7:	1.1856e+01	1.1856e+01	7e-07	2e-07	2e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6894e+00	6.6911e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7755e+00	9.7762e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0361e+01	1.0361e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0538e+01	1.0538e+01	1e-01	5e-02	3e-15	4e-03
5:	1.0578e+01	1.0579e+01	4e-02	1e-02	8e-15	9e-04
6:	1.0596e+01	1.0596e+01	3e-03	8e-04	2e-15	6e-05
7:	1.0597e+01	1.0597e+01	3e-05	8e-06	2e-15	6e-07
8:	1.0597e+01	1.0597e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1021e+00	7.1055e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0068e+01	1.0069e+01	2e+00	5e-01	6e-16	4e-02
3:	1.0640e+01	1.0640e+01	4e-01	1e-01	6e-16	1e-02
4:	1.0826e+01	1.0826e+01	3e-02	9e-03	8e-16	7e-04
5:	1.0839e+01	1.0839e+01	3e-04	9e-05	6e-16	7e-06
6:	1.0839e+01	1.0839e+01	3e-06	9e-07	7e-16	7e-08
7:	1.0839e+01	1.0839e+01	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.2064e+00	5.2181e+00	8e+00	2e+00	2e-16	2e-01
2:	7.8803e+00	7.8854e+00	3e+00	8e-01	8e-16	6e-02
3:	8.7299e+00	8.7307e+00	4e-01	1e-01	1e-15	9e-03
4:	8.8803e+00	8.8804e+00	4e-02	1e-02	1e-15	1e-03
5:	8.8951e+00	8.8951e+00	2e-03	7e-04	8e-16	5e-05
6:	8.8959e+00	8.8959e+00	2e-05	7e-06	3e-15	5e-07
7:	8.8959e+00	8.8959e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0408e+00	7.0494e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1038e+01	1.1040e+01	1e+00	4e-01	2e-15	3e-02

3:	1.1465e+01	1.1466e+01	3e-01	9e-02	1e-15	7e-03
4:	1.1602e+01	1.1602e+01	3e-02	9e-03	2e-15	6e-04
5:	1.1613e+01	1.1613e+01	3e-04	9e-05	1e-15	7e-06
6:	1.1613e+01	1.1613e+01	3e-06	9e-07	1e-15	7e-08
7:	1.1613e+01	1.1613e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5792e+00	7.5828e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1507e+01	1.1508e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1880e+01	1.1880e+01	3e-01	8e-02	3e-15	6e-03
4:	1.1991e+01	1.1991e+01	3e-02	9e-03	6e-15	7e-04
5:	1.1998e+01	1.1998e+01	6e-03	2e-03	8e-14	1e-04
6:	1.2000e+01	1.2000e+01	6e-05	2e-05	5e-15	1e-06
7:	1.2000e+01	1.2000e+01	6e-07	2e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0181e+00	7.0241e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0106e+01	1.0108e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0529e+01	1.0529e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0686e+01	1.0686e+01	1e-01	3e-02	2e-15	2e-03
5:	1.0731e+01	1.0731e+01	8e-03	2e-03	7e-16	2e-04
6:	1.0734e+01	1.0734e+01	8e-05	3e-05	6e-16	2e-06
7:	1.0734e+01	1.0734e+01	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2250e+00	5.2286e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2769e+00	8.2783e+00	2e+00	7e-01	2e-15	5e-02
3:	9.3276e+00	9.3279e+00	5e-01	2e-01	1e-15	1e-02
4:	9.5440e+00	9.5440e+00	7e-02	2e-02	2e-15	2e-03
5:	9.5675e+00	9.5675e+00	1e-02	4e-03	1e-14	3e-04
6:	9.5732e+00	9.5732e+00	1e-03	4e-04	2e-15	3e-05
7:	9.5737e+00	9.5737e+00	1e-05	4e-06	3e-15	3e-07
8:	9.5737e+00	9.5737e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4349e+00	6.4409e+00	7e+00	2e+00	4e-16	2e-01
2:	9.5770e+00	9.5793e+00	2e+00	6e-01	1e-15	5e-02
3:	1.0161e+01	1.0162e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0315e+01	1.0315e+01	9e-02	3e-02	1e-15	2e-03
5:	1.0353e+01	1.0353e+01	1e-02	4e-03	2e-15	3e-04
6:	1.0358e+01	1.0358e+01	2e-03	7e-04	2e-15	5e-05
7:	1.0359e+01	1.0359e+01	3e-04	9e-05	2e-15	7e-06
8:	1.0359e+01	1.0359e+01	3e-06	9e-07	1e-15	7e-08
9:	1.0359e+01	1.0359e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5889e+00	6.5969e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6703e+00	9.6732e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0398e+01	1.0400e+01	9e-01	3e-01	1e-15	2e-02
4:	1.0735e+01	1.0736e+01	2e-01	5e-02	2e-15	4e-03
5:	1.0786e+01	1.0786e+01	3e-02	9e-03	6e-15	7e-04
6:	1.0799e+01	1.0799e+01	4e-04	1e-04	7e-16	8e-06
7:	1.0799e+01	1.0799e+01	4e-06	1e-06	2e-15	8e-08
8:	1.0799e+01	1.0799e+01	4e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9287e+00	5.9362e+00	8e+00	2e+00	3e-16	2e-01
2:	8.8988e+00	8.9012e+00	2e+00	6e-01	1e-15	4e-02
3:	9.7338e+00	9.7343e+00	4e-01	1e-01	1e-15	8e-03
4:	9.8535e+00	9.8536e+00	6e-02	2e-02	3e-15	1e-03
5:	9.8827e+00	9.8827e+00	4e-03	1e-03	1e-15	1e-04
6:	9.8840e+00	9.8840e+00	4e-05	1e-05	8e-16	1e-06
7:	9.8840e+00	9.8840e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6997e+00	5.7042e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6999e+00	8.7015e+00	2e+00	5e-01	1e-15	4e-02
3:	9.1963e+00	9.1966e+00	3e-01	9e-02	2e-15	7e-03
4:	9.3191e+00	9.3192e+00	4e-02	1e-02	7e-16	9e-04
5:	9.3297e+00	9.3297e+00	9e-03	3e-03	4e-15	2e-04
6:	9.3334e+00	9.3334e+00	1e-04	3e-05	5e-16	2e-06
7:	9.3335e+00	9.3335e+00	1e-06	3e-07	6e-16	2e-08
8:	9.3335e+00	9.3335e+00	1e-08	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3116e+00	6.3159e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7107e+00	9.7122e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0076e+01	1.0076e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0242e+01	1.0242e+01	1e-01	4e-02	9e-16	3e-03
5:	1.0291e+01	1.0291e+01	3e-02	1e-02	2e-15	8e-04
6:	1.0302e+01	1.0302e+01	7e-03	2e-03	6e-15	2e-04
7:	1.0305e+01	1.0305e+01	2e-04	5e-05	2e-15	4e-06
8:	1.0305e+01	1.0305e+01	2e-06	5e-07	4e-15	4e-08
9:	1.0305e+01	1.0305e+01	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7587e+00	8.7613e+00	6e+00	2e+00	4e-16	1e-01

2:	1.1580e+01	1.1581e+01	1e+00	3e-01	2e-15	2e-02
3:	1.1957e+01	1.1957e+01	1e-01	4e-02	2e-15	3e-03
4:	1.2000e+01	1.2000e+01	1e-03	4e-04	2e-15	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	2e-15	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8298e+00	5.8393e+00	8e+00	2e+00	2e-16	2e-01
2:	8.7681e+00	8.7714e+00	2e+00	6e-01	1e-15	4e-02
3:	9.2568e+00	9.2577e+00	5e-01	1e-01	7e-16	1e-02
4:	9.4115e+00	9.4120e+00	2e-01	6e-02	7e-16	4e-03
5:	9.4669e+00	9.4671e+00	5e-02	2e-02	2e-15	1e-03
6:	9.4877e+00	9.4877e+00	1e-03	4e-04	1e-15	3e-05
7:	9.4882e+00	9.4882e+00	1e-05	4e-06	1e-15	3e-07
8:	9.4882e+00	9.4882e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0037e+00	7.0073e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0497e+01	1.0498e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1046e+01	1.1047e+01	2e-01	7e-02	3e-15	5e-03
4:	1.1141e+01	1.1141e+01	3e-02	9e-03	3e-15	7e-04
5:	1.1152e+01	1.1152e+01	6e-04	2e-04	6e-15	1e-05
6:	1.1152e+01	1.1152e+01	6e-06	2e-06	5e-15	1e-07
7:	1.1152e+01	1.1152e+01	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7308e+00	6.7464e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0347e+01	1.0353e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1022e+01	1.1024e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1243e+01	1.1244e+01	1e-01	3e-02	9e-16	2e-03
5:	1.1278e+01	1.1278e+01	9e-03	3e-03	3e-15	2e-04
6:	1.1282e+01	1.1282e+01	9e-05	3e-05	5e-16	2e-06
7:	1.1282e+01	1.1282e+01	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7432e+00	6.7508e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7819e+00	9.7840e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0206e+01	1.0207e+01	3e-01	8e-02	1e-15	6e-03
4:	1.0309e+01	1.0309e+01	2e-02	5e-03	1e-15	4e-04
5:	1.0316e+01	1.0316e+01	2e-04	5e-05	1e-15	4e-06
6:	1.0316e+01	1.0316e+01	2e-06	5e-07	1e-15	4e-08
7:	1.0316e+01	1.0316e+01	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1986e+00	6.2022e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2466e+00	9.2477e+00	1e+00	4e-01	1e-15	3e-02
3:	9.6746e+00	9.6749e+00	2e-01	7e-02	2e-15	5e-03
4:	9.7459e+00	9.7459e+00	4e-02	1e-02	1e-15	9e-04
5:	9.7626e+00	9.7626e+00	7e-03	2e-03	9e-16	2e-04
6:	9.7645e+00	9.7645e+00	1e-03	4e-04	2e-14	3e-05
7:	9.7650e+00	9.7650e+00	1e-04	4e-05	2e-15	3e-06
8:	9.7650e+00	9.7650e+00	1e-06	4e-07	3e-15	3e-08
9:	9.7650e+00	9.7650e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.1703e+00	4.1835e+00	8e+00	2e+00	2e-16	2e-01
2:	7.3937e+00	7.3999e+00	3e+00	9e-01	2e-15	6e-02
3:	8.1778e+00	8.1809e+00	8e-01	3e-01	2e-15	2e-02
4:	8.4362e+00	8.4368e+00	1e-01	4e-02	7e-16	3e-03
5:	8.4722e+00	8.4724e+00	4e-02	1e-02	1e-14	1e-03
6:	8.4882e+00	8.4882e+00	7e-04	2e-04	8e-16	2e-05
7:	8.4885e+00	8.4885e+00	7e-06	2e-06	3e-15	2e-07
8:	8.4885e+00	8.4885e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4704e+00	4.4718e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5754e+00	6.5758e+00	1e+00	4e-01	2e-15	3e-02
3:	7.2292e+00	7.2293e+00	2e-01	6e-02	9e-16	5e-03
4:	7.3046e+00	7.3046e+00	3e-02	1e-02	1e-15	8e-04
5:	7.3143e+00	7.3143e+00	1e-03	4e-04	5e-15	3e-05
6:	7.3147e+00	7.3147e+00	1e-04	3e-05	1e-15	3e-06
7:	7.3148e+00	7.3148e+00	1e-05	4e-06	2e-14	3e-07
8:	7.3148e+00	7.3148e+00	1e-07	5e-08	4e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4499e+00	6.4573e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0435e+00	9.0466e+00	2e+00	6e-01	2e-15	4e-02
3:	9.7461e+00	9.7469e+00	4e-01	1e-01	1e-15	1e-02
4:	9.9252e+00	9.9254e+00	1e-01	3e-02	9e-16	2e-03
5:	9.9757e+00	9.9758e+00	2e-02	6e-03	4e-15	4e-04
6:	9.9827e+00	9.9827e+00	1e-03	4e-04	2e-14	3e-05
7:	9.9833e+00	9.9833e+00	1e-05	4e-06	4e-15	3e-07
8:	9.9833e+00	9.9833e+00	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5482e+00	7.5548e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1483e+01	1.1485e+01	1e+00	5e-01	2e-15	3e-02

3:	1.1854e+01	1.1855e+01	4e-01	1e-01	2e-15	1e-02
4:	1.1954e+01	1.1954e+01	1e-01	5e-02	4e-15	3e-03
5:	1.2018e+01	1.2018e+01	1e-02	3e-03	1e-15	2e-04
6:	1.2022e+01	1.2022e+01	1e-04	3e-05	2e-15	2e-06
7:	1.2022e+01	1.2022e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7932e+00	4.7956e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1553e+00	8.1562e+00	2e+00	5e-01	2e-15	4e-02
3:	8.5412e+00	8.5416e+00	5e-01	1e-01	3e-15	1e-02
4:	8.7039e+00	8.7040e+00	1e-01	3e-02	1e-15	2e-03
5:	8.7428e+00	8.7428e+00	2e-02	5e-03	6e-16	4e-04
6:	8.7498e+00	8.7498e+00	2e-04	6e-05	7e-16	4e-06
7:	8.7499e+00	8.7499e+00	2e-06	6e-07	7e-16	4e-08
8:	8.7499e+00	8.7499e+00	2e-08	6e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6468e+00	6.6567e+00	8e+00	2e+00	2e-16	2e-01
2:	9.8210e+00	9.8251e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0735e+01	1.0736e+01	4e-01	1e-01	8e-16	8e-03
4:	1.0900e+01	1.0900e+01	3e-02	1e-02	7e-16	7e-04
5:	1.0914e+01	1.0914e+01	3e-04	1e-04	1e-15	7e-06
6:	1.0915e+01	1.0915e+01	3e-06	1e-06	9e-16	7e-08
7:	1.0915e+01	1.0915e+01	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4709e+00	5.4727e+00	6e+00	2e+00	3e-16	1e-01
2:	7.2172e+00	7.2178e+00	2e+00	6e-01	2e-15	4e-02
3:	7.7599e+00	7.7602e+00	7e-01	2e-01	1e-15	2e-02
4:	7.9749e+00	7.9749e+00	1e-01	3e-02	9e-16	3e-03
5:	8.0163e+00	8.0163e+00	2e-02	7e-03	1e-15	5e-04
6:	8.0268e+00	8.0268e+00	1e-03	4e-04	8e-16	3e-05
7:	8.0275e+00	8.0275e+00	1e-05	4e-06	6e-16	3e-07
8:	8.0275e+00	8.0275e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9368e+00	5.9454e+00	8e+00	3e+00	2e-16	2e-01
2:	8.9725e+00	8.9756e+00	2e+00	7e-01	2e-15	5e-02
3:	9.8605e+00	9.8616e+00	6e-01	2e-01	9e-16	1e-02
4:	1.0021e+01	1.0021e+01	1e-01	4e-02	3e-15	3e-03
5:	1.0066e+01	1.0066e+01	2e-02	6e-03	1e-15	4e-04
6:	1.0074e+01	1.0074e+01	3e-04	8e-05	6e-16	6e-06
7:	1.0074e+01	1.0074e+01	3e-06	8e-07	7e-16	6e-08
8:	1.0074e+01	1.0074e+01	3e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1778e+00	5.1809e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5296e+00	7.5306e+00	1e+00	4e-01	1e-15	3e-02
3:	8.1569e+00	8.1572e+00	3e-01	8e-02	1e-15	6e-03
4:	8.2689e+00	8.2689e+00	5e-02	2e-02	2e-15	1e-03
5:	8.2894e+00	8.2894e+00	5e-03	2e-03	3e-15	1e-04
6:	8.2913e+00	8.2913e+00	6e-05	2e-05	6e-15	1e-06
7:	8.2914e+00	8.2914e+00	6e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0673e+00	5.0715e+00	7e+00	2e+00	4e-16	2e-01
2:	7.7341e+00	7.7360e+00	2e+00	7e-01	3e-15	5e-02
3:	8.4614e+00	8.4620e+00	5e-01	2e-01	2e-15	1e-02
4:	8.6895e+00	8.6897e+00	1e-01	5e-02	6e-16	4e-03
5:	8.7430e+00	8.7430e+00	2e-02	5e-03	3e-15	4e-04
6:	8.7486e+00	8.7486e+00	6e-04	2e-04	2e-14	2e-05
7:	8.7488e+00	8.7488e+00	6e-06	2e-06	4e-15	2e-07
8:	8.7488e+00	8.7488e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2322e+00	6.2380e+00	8e+00	2e+00	2e-16	2e-01
2:	9.6527e+00	9.6550e+00	2e+00	7e-01	8e-16	5e-02
3:	1.0275e+01	1.0276e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0462e+01	1.0462e+01	8e-02	3e-02	2e-15	2e-03
5:	1.0497e+01	1.0497e+01	9e-03	3e-03	8e-16	2e-04
6:	1.0500e+01	1.0500e+01	9e-05	3e-05	1e-15	2e-06
7:	1.0500e+01	1.0500e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1599e+00	7.1706e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0566e+01	1.0570e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1200e+01	1.1201e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1382e+01	1.1382e+01	1e-01	4e-02	4e-15	3e-03
5:	1.1446e+01	1.1446e+01	3e-03	1e-03	9e-16	7e-05
6:	1.1448e+01	1.1448e+01	3e-05	1e-05	1e-15	7e-07
7:	1.1448e+01	1.1448e+01	3e-07	1e-07	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5804e+00	6.5866e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0379e+01	1.0382e+01	2e+00	6e-01	1e-15	5e-02
3:	1.1125e+01	1.1126e+01	4e-01	1e-01	9e-16	9e-03
4:	1.1264e+01	1.1264e+01	2e-02	7e-03	2e-15	6e-04

5:	1.1273e+01	1.1273e+01	3e-04	8e-05	5e-15	7e-06
6:	1.1273e+01	1.1273e+01	3e-06	8e-07	3e-15	7e-08
7:	1.1273e+01	1.1273e+01	3e-08	8e-09	4e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8345e+00	6.8446e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0629e+01	1.0632e+01	2e+00	5e-01	3e-15	4e-02
3:	1.1329e+01	1.1330e+01	5e-01	2e-01	2e-15	1e-02
4:	1.1514e+01	1.1514e+01	8e-02	3e-02	4e-15	2e-03
5:	1.1547e+01	1.1547e+01	6e-03	2e-03	4e-15	1e-04
6:	1.1549e+01	1.1549e+01	7e-05	2e-05	1e-14	2e-06
7:	1.1549e+01	1.1549e+01	7e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0146e+00	7.0218e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0634e+01	1.0637e+01	2e+00	6e-01	1e-15	5e-02
3:	1.1472e+01	1.1473e+01	4e-01	1e-01	9e-16	1e-02
4:	1.1545e+01	1.1545e+01	2e-01	5e-02	5e-15	4e-03
5:	1.1604e+01	1.1604e+01	2e-02	7e-03	2e-15	5e-04
6:	1.1612e+01	1.1612e+01	2e-04	8e-05	1e-15	6e-06
7:	1.1612e+01	1.1612e+01	2e-06	8e-07	2e-15	6e-08
8:	1.1612e+01	1.1612e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5294e+00	4.5418e+00	8e+00	3e+00	3e-16	2e-01
2:	7.9165e+00	7.9200e+00	2e+00	5e-01	2e-15	3e-02
3:	8.4660e+00	8.4674e+00	6e-01	2e-01	1e-15	1e-02
4:	8.6096e+00	8.6104e+00	2e-01	6e-02	3e-15	5e-03
5:	8.6871e+00	8.6872e+00	3e-02	8e-03	8e-16	6e-04
6:	8.6970e+00	8.6970e+00	4e-04	1e-04	8e-16	9e-06
7:	8.6971e+00	8.6971e+00	4e-06	1e-06	7e-16	9e-08
8:	8.6971e+00	8.6971e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1098e+00	5.1105e+00	6e+00	2e+00	3e-16	2e-01
2:	8.1522e+00	8.1524e+00	2e+00	6e-01	2e-15	5e-02
3:	8.9037e+00	8.9038e+00	4e-01	1e-01	2e-15	1e-02
4:	9.1197e+00	9.1197e+00	8e-02	3e-02	3e-15	2e-03
5:	9.1386e+00	9.1387e+00	2e-02	7e-03	1e-14	6e-04
6:	9.1467e+00	9.1467e+00	2e-03	5e-04	9e-15	4e-05
7:	9.1473e+00	9.1473e+00	2e-05	5e-06	4e-15	4e-07
8:	9.1473e+00	9.1473e+00	2e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0346e+00	6.0396e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4477e+00	8.4495e+00	2e+00	6e-01	1e-15	5e-02
3:	9.3208e+00	9.3216e+00	7e-01	2e-01	1e-15	2e-02
4:	9.5085e+00	9.5090e+00	2e-01	8e-02	2e-15	6e-03
5:	9.6158e+00	9.6159e+00	1e-02	3e-03	7e-16	3e-04
6:	9.6208e+00	9.6208e+00	1e-04	3e-05	5e-16	3e-06
7:	9.6209e+00	9.6209e+00	1e-06	3e-07	6e-16	3e-08
8:	9.6209e+00	9.6209e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3217e+00	7.3338e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0263e+01	1.0268e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0975e+01	1.0976e+01	4e-01	1e-01	1e-15	8e-03
4:	1.1143e+01	1.1143e+01	4e-02	1e-02	2e-15	9e-04
5:	1.1162e+01	1.1162e+01	8e-04	2e-04	1e-14	2e-05
6:	1.1162e+01	1.1162e+01	8e-06	2e-06	4e-15	2e-07
7:	1.1162e+01	1.1162e+01	8e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1122e+00	7.1197e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0613e+01	1.0616e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1255e+01	1.1255e+01	3e-01	9e-02	9e-16	7e-03
4:	1.1387e+01	1.1387e+01	5e-02	2e-02	3e-15	1e-03
5:	1.1403e+01	1.1403e+01	8e-03	2e-03	3e-14	2e-04
6:	1.1406e+01	1.1406e+01	2e-04	7e-05	7e-15	5e-06
7:	1.1406e+01	1.1406e+01	2e-06	7e-07	9e-15	5e-08
8:	1.1406e+01	1.1406e+01	2e-08	7e-09	9e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5725e+00	6.5797e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8816e+00	8.8840e+00	2e+00	6e-01	3e-15	4e-02
3:	9.7870e+00	9.7876e+00	4e-01	1e-01	1e-15	8e-03
4:	9.9019e+00	9.9021e+00	8e-02	3e-02	2e-15	2e-03
5:	9.9358e+00	9.9358e+00	2e-02	5e-03	2e-15	4e-04
6:	9.9418e+00	9.9418e+00	2e-03	5e-04	5e-15	4e-05
7:	9.9425e+00	9.9425e+00	2e-05	6e-06	2e-15	4e-07
8:	9.9425e+00	9.9425e+00	2e-07	6e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5101e+00	6.5172e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2851e+00	9.2868e+00	1e+00	4e-01	1e-15	3e-02
3:	9.8897e+00	9.8900e+00	2e-01	6e-02	1e-15	5e-03
4:	9.9790e+00	9.9790e+00	8e-03	3e-03	8e-16	2e-04

5:	9.9821e+00	9.9821e+00	8e-05	3e-05	6e-16	2e-06
6:	9.9822e+00	9.9822e+00	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3022e+00	7.3095e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0422e+01	1.0424e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1078e+01	1.1079e+01	4e-01	1e-01	2e-15	1e-02
4:	1.1226e+01	1.1226e+01	1e-01	3e-02	2e-15	2e-03
5:	1.1275e+01	1.1276e+01	2e-02	5e-03	8e-16	4e-04
6:	1.1282e+01	1.1282e+01	2e-04	6e-05	2e-15	5e-06
7:	1.1282e+01	1.1282e+01	2e-06	6e-07	2e-15	5e-08
8:	1.1282e+01	1.1282e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0258e+00	5.0264e+00	6e+00	2e+00	2e-16	2e-01
2:	7.6863e+00	7.6865e+00	1e+00	5e-01	2e-15	4e-02
3:	8.2532e+00	8.2533e+00	5e-01	2e-01	9e-16	1e-02
4:	8.3830e+00	8.3830e+00	2e-01	5e-02	3e-15	4e-03
5:	8.4432e+00	8.4432e+00	1e-02	4e-03	1e-15	3e-04
6:	8.4477e+00	8.4477e+00	1e-04	4e-05	2e-15	3e-06
7:	8.4477e+00	8.4477e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1574e+00	8.1632e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1764e+01	1.1766e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2363e+01	1.2363e+01	5e-01	1e-01	2e-15	1e-02
4:	1.2612e+01	1.2612e+01	4e-02	1e-02	1e-15	1e-03
5:	1.2629e+01	1.2629e+01	5e-03	2e-03	2e-14	1e-04
6:	1.2631e+01	1.2631e+01	5e-04	2e-04	5e-14	1e-05
7:	1.2631e+01	1.2631e+01	5e-06	2e-06	4e-15	1e-07
8:	1.2631e+01	1.2631e+01	5e-08	2e-08	8e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0521e+00	7.0586e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0393e+01	1.0395e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0720e+01	1.0721e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0848e+01	1.0849e+01	7e-02	2e-02	2e-15	2e-03
5:	1.0874e+01	1.0874e+01	1e-02	3e-03	9e-16	3e-04
6:	1.0877e+01	1.0877e+01	4e-04	1e-04	2e-15	9e-06
7:	1.0877e+01	1.0877e+01	4e-06	1e-06	8e-16	9e-08
8:	1.0877e+01	1.0877e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.1440e+00	4.1453e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8680e+00	6.8684e+00	1e+00	4e-01	1e-15	3e-02
3:	7.4691e+00	7.4692e+00	2e-01	6e-02	8e-16	5e-03
4:	7.5453e+00	7.5453e+00	3e-02	8e-03	3e-15	6e-04
5:	7.5579e+00	7.5579e+00	2e-03	5e-04	7e-16	4e-05
6:	7.5586e+00	7.5586e+00	2e-05	5e-06	8e-16	4e-07
7:	7.5586e+00	7.5586e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1263e+00	4.1322e+00	7e+00	2e+00	2e-16	2e-01
2:	7.0824e+00	7.0845e+00	2e+00	5e-01	7e-16	4e-02
3:	7.6116e+00	7.6121e+00	3e-01	1e-01	7e-16	8e-03
4:	7.7416e+00	7.7417e+00	8e-02	2e-02	8e-16	2e-03
5:	7.7648e+00	7.7648e+00	8e-03	2e-03	2e-15	2e-04
6:	7.7679e+00	7.7679e+00	2e-04	7e-05	7e-16	6e-06
7:	7.7680e+00	7.7680e+00	2e-06	7e-07	8e-16	6e-08
8:	7.7680e+00	7.7680e+00	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5705e+00	5.5856e+00	8e+00	3e+00	2e-16	2e-01
2:	8.6182e+00	8.6227e+00	2e+00	6e-01	8e-16	4e-02
3:	9.3889e+00	9.3902e+00	4e-01	1e-01	1e-15	9e-03
4:	9.5540e+00	9.5542e+00	6e-02	2e-02	2e-15	1e-03
5:	9.5768e+00	9.5768e+00	7e-03	2e-03	2e-15	1e-04
6:	9.5790e+00	9.5790e+00	7e-05	2e-05	3e-15	2e-06
7:	9.5790e+00	9.5790e+00	7e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9434e+00	3.9487e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7717e+00	6.7732e+00	1e+00	4e-01	1e-15	3e-02
3:	7.2788e+00	7.2792e+00	3e-01	8e-02	7e-16	6e-03
4:	7.3613e+00	7.3614e+00	4e-02	1e-02	2e-15	9e-04
5:	7.3785e+00	7.3785e+00	8e-04	3e-04	1e-15	2e-05
6:	7.3789e+00	7.3789e+00	8e-06	3e-06	1e-15	2e-07
7:	7.3789e+00	7.3789e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	4.7111e+00	4.7321e+00	8e+00	3e+00	2e-16	2e-01
2:	7.6071e+00	7.6134e+00	2e+00	6e-01	2e-15	4e-02
3:	8.3301e+00	8.3315e+00	4e-01	1e-01	8e-16	8e-03
4:	8.4524e+00	8.4526e+00	6e-02	2e-02	8e-16	1e-03
5:	8.4652e+00	8.4652e+00	1e-02	4e-03	1e-14	3e-04
6:	8.4703e+00	8.4703e+00	3e-04	8e-05	1e-15	6e-06
7:	8.4704e+00	8.4704e+00	3e-06	8e-07	9e-15	6e-08

8:	8.4704e+00	8.4704e+00	3e-08	8e-09	7e-15	6e-10
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4597e+00	7.4681e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0680e+01	1.0684e+01	3e+00	9e-01	1e-15	6e-02
3:	1.1521e+01	1.1523e+01	8e-01	3e-01	1e-15	2e-02
4:	1.1787e+01	1.1788e+01	2e-01	6e-02	1e-15	4e-03
5:	1.1850e+01	1.1850e+01	3e-02	8e-03	2e-15	6e-04
6:	1.1862e+01	1.1862e+01	4e-04	1e-04	6e-16	1e-05
7:	1.1862e+01	1.1862e+01	4e-06	1e-06	7e-16	1e-07
8:	1.1862e+01	1.1862e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8096e+00	6.8202e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0434e+01	1.0438e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1266e+01	1.1267e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1523e+01	1.1523e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1586e+01	1.1586e+01	1e-02	4e-03	8e-15	3e-04
6:	1.1592e+01	1.1592e+01	7e-04	2e-04	5e-14	2e-05
7:	1.1593e+01	1.1593e+01	7e-06	2e-06	2e-14	2e-07
8:	1.1593e+01	1.1593e+01	7e-08	2e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2093e+00	5.2094e+00	6e+00	2e+00	3e-16	2e-01
2:	8.4872e+00	8.4872e+00	1e+00	4e-01	3e-15	3e-02
3:	9.0896e+00	9.0896e+00	2e-01	7e-02	2e-15	6e-03
4:	9.1817e+00	9.1817e+00	2e-02	8e-03	6e-15	6e-04
5:	9.1937e+00	9.1937e+00	2e-04	8e-05	2e-15	6e-06
6:	9.1938e+00	9.1938e+00	2e-06	8e-07	1e-15	6e-08
7:	9.1938e+00	9.1938e+00	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6354e+00	4.6383e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9789e+00	6.9799e+00	2e+00	5e-01	2e-15	4e-02
3:	7.4861e+00	7.4864e+00	4e-01	1e-01	7e-16	9e-03
4:	7.6266e+00	7.6267e+00	1e-01	4e-02	7e-16	3e-03
5:	7.6672e+00	7.6672e+00	2e-02	6e-03	2e-15	4e-04
6:	7.6748e+00	7.6748e+00	4e-04	1e-04	7e-16	1e-05
7:	7.6749e+00	7.6749e+00	4e-06	1e-06	1e-15	1e-07
8:	7.6749e+00	7.6749e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6255e+00	6.6363e+00	8e+00	3e+00	3e-16	2e-01



2:	9.2398e+00	9.2450e+00	3e+00	9e-01	2e-15	6e-02
3:	1.0286e+01	1.0287e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0536e+01	1.0536e+01	1e-01	3e-02	7e-16	2e-03
5:	1.0576e+01	1.0576e+01	1e-02	4e-03	2e-15	3e-04
6:	1.0581e+01	1.0581e+01	2e-04	6e-05	8e-16	5e-06
7:	1.0582e+01	1.0582e+01	2e-06	6e-07	8e-16	5e-08
8:	1.0582e+01	1.0582e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6144e+00	6.6184e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7730e+00	9.7745e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0579e+01	1.0580e+01	4e-01	1e-01	9e-16	9e-03
4:	1.0624e+01	1.0624e+01	2e-01	7e-02	8e-15	5e-03
5:	1.0699e+01	1.0699e+01	3e-02	1e-02	6e-15	8e-04
6:	1.0712e+01	1.0712e+01	4e-03	1e-03	3e-15	1e-04
7:	1.0713e+01	1.0713e+01	4e-05	1e-05	6e-15	1e-06
8:	1.0713e+01	1.0713e+01	4e-07	1e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8751e+00	5.8923e+00	8e+00	3e+00	3e-16	2e-01
2:	9.0308e+00	9.0368e+00	2e+00	6e-01	1e-15	4e-02
3:	9.8192e+00	9.8202e+00	3e-01	9e-02	1e-15	7e-03
4:	9.8742e+00	9.8748e+00	1e-01	4e-02	4e-15	3e-03
5:	9.9277e+00	9.9277e+00	3e-03	1e-03	9e-16	7e-05
6:	9.9290e+00	9.9290e+00	3e-05	1e-05	6e-16	7e-07
7:	9.9290e+00	9.9290e+00	3e-07	1e-07	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8192e+00	6.8266e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4869e+00	9.4898e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0117e+01	1.0118e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0336e+01	1.0336e+01	9e-02	3e-02	8e-16	2e-03
5:	1.0367e+01	1.0367e+01	1e-02	4e-03	5e-15	3e-04
6:	1.0372e+01	1.0372e+01	6e-04	2e-04	3e-14	2e-05
7:	1.0372e+01	1.0372e+01	6e-06	2e-06	7e-15	2e-07
8:	1.0372e+01	1.0372e+01	6e-08	2e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3638e+00	6.3726e+00	8e+00	2e+00	2e-16	2e-01
2:	9.6022e+00	9.6050e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0286e+01	1.0287e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0448e+01	1.0449e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0502e+01	1.0502e+01	1e-02	4e-03	2e-15	3e-04
6:	1.0507e+01	1.0507e+01	2e-04	7e-05	1e-15	5e-06

7:	1.0507e+01	1.0507e+01	2e-06	7e-07	2e-15	5e-08
8:	1.0507e+01	1.0507e+01	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1712e+00	6.1727e+00	6e+00	2e+00	3e-16	1e-01
2:	9.5341e+00	9.5345e+00	1e+00	3e-01	3e-15	2e-02
3:	9.8453e+00	9.8454e+00	2e-01	6e-02	3e-15	5e-03
4:	9.9157e+00	9.9158e+00	4e-02	1e-02	5e-15	1e-03
5:	9.9327e+00	9.9327e+00	3e-03	8e-04	8e-15	7e-05
6:	9.9339e+00	9.9339e+00	3e-05	9e-06	1e-15	7e-07
7:	9.9339e+00	9.9339e+00	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8687e+00	6.8754e+00	8e+00	3e+00	2e-16	2e-01
2:	9.9393e+00	9.9414e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0705e+01	1.0706e+01	2e-01	8e-02	1e-15	6e-03
4:	1.0795e+01	1.0795e+01	2e-02	7e-03	9e-16	5e-04
5:	1.0803e+01	1.0803e+01	2e-04	7e-05	5e-16	5e-06
6:	1.0803e+01	1.0803e+01	2e-06	7e-07	6e-16	5e-08
7:	1.0803e+01	1.0803e+01	2e-08	7e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4213e+00	5.4214e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7941e+00	8.7941e+00	1e+00	4e-01	2e-15	3e-02
3:	9.1062e+00	9.1062e+00	3e-01	9e-02	4e-15	7e-03
4:	9.2268e+00	9.2268e+00	3e-02	9e-03	1e-15	7e-04
5:	9.2390e+00	9.2390e+00	8e-04	3e-04	6e-16	2e-05
6:	9.2393e+00	9.2393e+00	8e-06	3e-06	6e-16	2e-07
7:	9.2393e+00	9.2393e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0104e+00	7.0234e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0549e+01	1.0555e+01	3e+00	9e-01	1e-15	6e-02
3:	1.1644e+01	1.1645e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1813e+01	1.1814e+01	1e-01	4e-02	4e-15	3e-03
5:	1.1870e+01	1.1870e+01	1e-02	3e-03	5e-15	2e-04
6:	1.1875e+01	1.1875e+01	1e-04	4e-05	2e-15	3e-06
7:	1.1875e+01	1.1875e+01	1e-06	4e-07	3e-15	3e-08
8:	1.1875e+01	1.1875e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7171e+00	6.7340e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0433e+01	1.0440e+01	3e+00	8e-01	1e-15	5e-02

3:	1.1437e+01	1.1439e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1656e+01	1.1656e+01	5e-02	2e-02	1e-15	1e-03
5:	1.1673e+01	1.1673e+01	3e-03	8e-04	1e-14	6e-05
6:	1.1674e+01	1.1674e+01	3e-05	8e-06	2e-15	6e-07
7:	1.1674e+01	1.1674e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6882e+00	6.6888e+00	6e+00	2e+00	4e-16	2e-01
2:	9.6231e+00	9.6233e+00	2e+00	5e-01	4e-15	4e-02
3:	1.0402e+01	1.0402e+01	3e-01	1e-01	2e-15	9e-03
4:	1.0544e+01	1.0544e+01	4e-02	1e-02	2e-15	1e-03
5:	1.0555e+01	1.0555e+01	9e-03	3e-03	2e-14	2e-04
6:	1.0560e+01	1.0560e+01	4e-04	1e-04	2e-15	1e-05
7:	1.0560e+01	1.0560e+01	5e-06	1e-06	8e-15	1e-07
8:	1.0560e+01	1.0560e+01	5e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5516e+00	7.5586e+00	9e+00	3e+00	3e-16	2e-01
2:	1.0890e+01	1.0892e+01	2e+00	6e-01	3e-15	5e-02
3:	1.1559e+01	1.1560e+01	4e-01	1e-01	1e-15	1e-02
4:	1.1678e+01	1.1679e+01	9e-02	3e-02	1e-15	2e-03
5:	1.1716e+01	1.1716e+01	1e-02	4e-03	2e-15	3e-04
6:	1.1720e+01	1.1720e+01	3e-04	8e-05	8e-15	6e-06
7:	1.1720e+01	1.1720e+01	3e-06	8e-07	4e-15	6e-08
8:	1.1720e+01	1.1720e+01	3e-08	8e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5835e+00	5.5879e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8566e+00	8.8582e+00	2e+00	5e-01	2e-15	4e-02
3:	9.4767e+00	9.4771e+00	4e-01	1e-01	1e-15	9e-03
4:	9.5859e+00	9.5860e+00	7e-02	2e-02	7e-15	2e-03
5:	9.6105e+00	9.6105e+00	1e-02	3e-03	2e-15	3e-04
6:	9.6140e+00	9.6140e+00	1e-04	4e-05	3e-15	3e-06
7:	9.6140e+00	9.6140e+00	1e-06	4e-07	2e-15	3e-08
8:	9.6140e+00	9.6140e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6172e+00	7.6218e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1054e+01	1.1056e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1447e+01	1.1447e+01	5e-01	1e-01	2e-15	1e-02
4:	1.1635e+01	1.1635e+01	6e-02	2e-02	9e-16	2e-03
5:	1.1659e+01	1.1659e+01	4e-03	1e-03	3e-15	9e-05
6:	1.1661e+01	1.1661e+01	4e-05	1e-05	6e-16	9e-07
7:	1.1661e+01	1.1661e+01	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5928e+00	5.6048e+00	8e+00	2e+00	2e-16	2e-01
2:	8.5492e+00	8.5528e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9508e+00	8.9524e+00	6e-01	2e-01	3e-15	1e-02
4:	9.2097e+00	9.2100e+00	1e-01	4e-02	8e-16	3e-03
5:	9.2567e+00	9.2567e+00	2e-03	7e-04	1e-15	5e-05
6:	9.2576e+00	9.2576e+00	2e-05	7e-06	7e-16	5e-07
7:	9.2576e+00	9.2576e+00	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6344e+00	5.6436e+00	8e+00	3e+00	2e-16	2e-01
2:	8.1568e+00	8.1597e+00	2e+00	6e-01	1e-15	4e-02
3:	9.0771e+00	9.0780e+00	4e-01	1e-01	9e-16	9e-03
4:	9.2580e+00	9.2580e+00	3e-02	9e-03	9e-16	6e-04
5:	9.2706e+00	9.2706e+00	3e-04	9e-05	1e-15	7e-06
6:	9.2707e+00	9.2707e+00	3e-06	9e-07	2e-15	7e-08
7:	9.2708e+00	9.2708e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.7556e+00	3.7668e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6210e+00	6.6239e+00	1e+00	4e-01	1e-15	3e-02
3:	7.1032e+00	7.1041e+00	4e-01	1e-01	9e-16	8e-03
4:	7.2204e+00	7.2206e+00	6e-02	2e-02	1e-15	1e-03
5:	7.2400e+00	7.2401e+00	1e-02	3e-03	4e-15	2e-04
6:	7.2430e+00	7.2430e+00	3e-04	9e-05	1e-14	6e-06
7:	7.2431e+00	7.2431e+00	3e-06	9e-07	4e-15	6e-08
8:	7.2431e+00	7.2431e+00	3e-08	9e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8675e+00	6.8830e+00	8e+00	3e+00	3e-16	2e-01
2:	9.2528e+00	9.2598e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0067e+01	1.0069e+01	4e-01	1e-01	7e-16	1e-02
4:	1.0222e+01	1.0223e+01	6e-02	2e-02	5e-16	1e-03
5:	1.0240e+01	1.0240e+01	3e-03	1e-03	3e-15	7e-05
6:	1.0242e+01	1.0242e+01	3e-05	1e-05	8e-16	7e-07
7:	1.0242e+01	1.0242e+01	3e-07	1e-07	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1610e+00	7.1749e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0189e+01	1.0194e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0825e+01	1.0827e+01	5e-01	2e-01	5e-15	1e-02
4:	1.1026e+01	1.1026e+01	7e-02	2e-02	1e-15	2e-03

5:	1.1051e+01	1.1051e+01	4e-03	1e-03	2e-15	1e-04
6:	1.1053e+01	1.1053e+01	4e-05	1e-05	1e-15	1e-06
7:	1.1053e+01	1.1053e+01	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0452e+00	8.0540e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1589e+01	1.1593e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2282e+01	1.2282e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2456e+01	1.2456e+01	4e-02	1e-02	2e-15	9e-04
5:	1.2472e+01	1.2472e+01	8e-04	2e-04	4e-15	2e-05
6:	1.2473e+01	1.2473e+01	8e-06	2e-06	2e-15	2e-07
7:	1.2473e+01	1.2473e+01	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8530e+00	6.8595e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0409e+01	1.0412e+01	2e+00	8e-01	1e-15	6e-02
3:	1.1071e+01	1.1072e+01	7e-01	2e-01	2e-15	2e-02
4:	1.1337e+01	1.1337e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1391e+01	1.1391e+01	2e-02	8e-03	3e-15	6e-04
6:	1.1404e+01	1.1404e+01	9e-04	3e-04	1e-15	2e-05
7:	1.1404e+01	1.1404e+01	9e-06	3e-06	1e-15	2e-07
8:	1.1404e+01	1.1404e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9477e+00	5.9521e+00	7e+00	2e+00	4e-16	2e-01
2:	8.2365e+00	8.2378e+00	2e+00	5e-01	2e-15	4e-02
3:	9.0424e+00	9.0426e+00	2e-01	6e-02	2e-15	5e-03
4:	9.1366e+00	9.1367e+00	3e-02	1e-02	4e-15	7e-04
5:	9.1480e+00	9.1480e+00	3e-03	1e-03	1e-14	8e-05
6:	9.1491e+00	9.1491e+00	3e-05	1e-05	1e-14	8e-07
7:	9.1491e+00	9.1491e+00	3e-07	1e-07	7e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9528e+00	6.9584e+00	7e+00	2e+00	4e-16	2e-01
2:	9.6421e+00	9.6444e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0445e+01	1.0446e+01	3e-01	1e-01	2e-15	8e-03
4:	1.0609e+01	1.0609e+01	3e-02	1e-02	1e-15	7e-04
5:	1.0622e+01	1.0622e+01	3e-04	1e-04	7e-16	7e-06
6:	1.0622e+01	1.0622e+01	3e-06	1e-06	8e-16	7e-08
7:	1.0622e+01	1.0622e+01	3e-08	1e-08	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3918e+00	7.4037e+00	7e+00	2e+00	2e-16	2e-01

2:	1.1113e+01	1.1116e+01	1e+00	5e-01	7e-16	3e-02
3:	1.1628e+01	1.1629e+01	3e-01	8e-02	1e-15	6e-03
4:	1.1719e+01	1.1719e+01	3e-02	9e-03	6e-15	7e-04
5:	1.1729e+01	1.1729e+01	4e-03	1e-03	1e-14	1e-04
6:	1.1730e+01	1.1730e+01	5e-05	2e-05	3e-14	1e-06
7:	1.1730e+01	1.1730e+01	5e-07	2e-07	3e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9875e+00	4.9924e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9918e+00	7.9936e+00	2e+00	5e-01	1e-15	4e-02
3:	8.6296e+00	8.6299e+00	2e-01	7e-02	7e-16	5e-03
4:	8.7102e+00	8.7102e+00	4e-03	1e-03	1e-15	1e-04
5:	8.7120e+00	8.7120e+00	4e-05	1e-05	1e-15	1e-06
6:	8.7120e+00	8.7120e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4299e+00	7.4425e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1009e+01	1.1012e+01	2e+00	5e-01	9e-16	3e-02
3:	1.1676e+01	1.1677e+01	2e-01	8e-02	1e-15	5e-03
4:	1.1794e+01	1.1794e+01	2e-02	6e-03	1e-15	5e-04
5:	1.1802e+01	1.1802e+01	2e-04	6e-05	9e-16	5e-06
6:	1.1802e+01	1.1802e+01	2e-06	6e-07	8e-16	5e-08
7:	1.1802e+01	1.1802e+01	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8496e+00	6.8532e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0365e+01	1.0366e+01	9e-01	3e-01	2e-15	2e-02
3:	1.0664e+01	1.0665e+01	4e-01	1e-01	2e-15	9e-03
4:	1.0753e+01	1.0754e+01	1e-01	4e-02	3e-15	3e-03
5:	1.0800e+01	1.0800e+01	2e-02	7e-03	8e-16	5e-04
6:	1.0807e+01	1.0807e+01	2e-04	7e-05	9e-16	5e-06
7:	1.0807e+01	1.0807e+01	2e-06	7e-07	7e-16	5e-08
8:	1.0807e+01	1.0807e+01	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.4876e+00	6.4956e+00	7e+00	2e+00	2e-16	2e-01
2:	9.1838e+00	9.1873e+00	2e+00	8e-01	9e-16	5e-02
3:	1.0003e+01	1.0004e+01	6e-01	2e-01	2e-15	1e-02
4:	1.0195e+01	1.0195e+01	1e-01	3e-02	2e-15	2e-03
5:	1.0222e+01	1.0222e+01	2e-02	7e-03	1e-14	5e-04
6:	1.0230e+01	1.0230e+01	3e-03	1e-03	2e-15	8e-05
7:	1.0231e+01	1.0231e+01	3e-05	1e-05	2e-15	8e-07
8:	1.0231e+01	1.0231e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1714e+00	5.1819e+00	8e+00	3e+00	2e-16	2e-01
2:	8.4674e+00	8.4715e+00	2e+00	7e-01	1e-15	5e-02
3:	8.9325e+00	8.9346e+00	7e-01	2e-01	2e-15	2e-02
4:	9.1679e+00	9.1687e+00	2e-01	6e-02	9e-16	5e-03
5:	9.2291e+00	9.2291e+00	2e-02	6e-03	5e-16	4e-04
6:	9.2356e+00	9.2356e+00	3e-04	1e-04	1e-15	8e-06
7:	9.2357e+00	9.2357e+00	3e-06	1e-06	9e-16	8e-08
8:	9.2357e+00	9.2357e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3816e+00	8.3879e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0767e+01	1.0769e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1443e+01	1.1444e+01	6e-01	2e-01	4e-15	1e-02
4:	1.1724e+01	1.1724e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1757e+01	1.1757e+01	2e-02	7e-03	4e-15	6e-04
6:	1.1766e+01	1.1766e+01	7e-04	2e-04	7e-16	2e-05
7:	1.1766e+01	1.1766e+01	7e-06	2e-06	1e-15	2e-07
8:	1.1766e+01	1.1766e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4089e+00	7.4165e+00	7e+00	2e+00	3e-16	1e-01
2:	9.4322e+00	9.4348e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0418e+01	1.0419e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0578e+01	1.0578e+01	2e-01	5e-02	5e-15	4e-03
5:	1.0644e+01	1.0644e+01	8e-03	3e-03	9e-16	2e-04
6:	1.0648e+01	1.0648e+01	9e-05	3e-05	5e-15	2e-06
7:	1.0648e+01	1.0648e+01	9e-07	3e-07	5e-15	2e-08
8:	1.0648e+01	1.0648e+01	9e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6450e+00	6.6492e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4918e+00	9.4934e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0334e+01	1.0334e+01	3e-01	8e-02	1e-15	6e-03
4:	1.0407e+01	1.0407e+01	2e-02	5e-03	4e-15	4e-04
5:	1.0415e+01	1.0415e+01	3e-04	9e-05	8e-16	7e-06
6:	1.0415e+01	1.0415e+01	3e-06	9e-07	9e-16	7e-08
7:	1.0415e+01	1.0415e+01	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1446e+00	8.1471e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1909e+01	1.1910e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2463e+01	1.2463e+01	2e-01	7e-02	3e-15	5e-03

4:	1.2532e+01	1.2532e+01	4e-02	1e-02	3e-15	1e-03
5:	1.2551e+01	1.2551e+01	1e-02	3e-03	2e-15	3e-04
6:	1.2555e+01	1.2555e+01	5e-04	2e-04	6e-15	1e-05
7:	1.2555e+01	1.2555e+01	5e-06	2e-06	1e-15	1e-07
8:	1.2555e+01	1.2555e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3648e+00	7.3764e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0671e+01	1.0676e+01	3e+00	8e-01	1e-15	6e-02
3:	1.1632e+01	1.1633e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1816e+01	1.1816e+01	8e-02	3e-02	1e-15	2e-03
5:	1.1846e+01	1.1846e+01	2e-03	7e-04	5e-15	5e-05
6:	1.1846e+01	1.1846e+01	2e-05	7e-06	2e-15	5e-07
7:	1.1846e+01	1.1846e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7333e+00	7.7381e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1489e+01	1.1491e+01	2e+00	6e-01	2e-15	5e-02
3:	1.2028e+01	1.2029e+01	7e-01	2e-01	3e-15	2e-02
4:	1.2265e+01	1.2265e+01	2e-01	6e-02	2e-15	5e-03
5:	1.2352e+01	1.2352e+01	2e-02	7e-03	8e-16	5e-04
6:	1.2362e+01	1.2362e+01	3e-04	9e-05	2e-15	7e-06
7:	1.2362e+01	1.2362e+01	3e-06	9e-07	2e-15	7e-08
8:	1.2362e+01	1.2362e+01	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8963e+00	5.9096e+00	8e+00	3e+00	2e-16	2e-01
2:	9.4896e+00	9.4931e+00	2e+00	5e-01	1e-15	3e-02
3:	1.0193e+01	1.0194e+01	2e-01	6e-02	9e-16	4e-03
4:	1.0262e+01	1.0262e+01	3e-02	8e-03	2e-15	6e-04
5:	1.0270e+01	1.0270e+01	4e-03	1e-03	3e-14	9e-05
6:	1.0271e+01	1.0271e+01	4e-05	1e-05	1e-15	9e-07
7:	1.0271e+01	1.0271e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8669e+00	4.8729e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6285e+00	7.6303e+00	2e+00	5e-01	8e-16	4e-02
3:	8.3675e+00	8.3679e+00	3e-01	9e-02	1e-15	7e-03
4:	8.4854e+00	8.4855e+00	5e-02	1e-02	5e-15	1e-03
5:	8.5048e+00	8.5048e+00	1e-03	4e-04	5e-15	3e-05
6:	8.5054e+00	8.5054e+00	1e-05	4e-06	2e-15	3e-07
7:	8.5054e+00	8.5054e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7532e+00	4.7625e+00	8e+00	2e+00	3e-16	2e-01
2:	7.6629e+00	7.6655e+00	1e+00	5e-01	2e-15	3e-02
3:	8.2691e+00	8.2697e+00	2e-01	8e-02	8e-16	6e-03
4:	8.3520e+00	8.3521e+00	2e-02	7e-03	2e-15	5e-04
5:	8.3587e+00	8.3587e+00	3e-03	9e-04	4e-14	7e-05
6:	8.3593e+00	8.3593e+00	5e-04	1e-04	1e-13	1e-05
7:	8.3595e+00	8.3595e+00	3e-05	1e-05	1e-14	8e-07
8:	8.3595e+00	8.3595e+00	3e-07	1e-07	9e-14	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5172e+00	6.5243e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9907e+00	9.9936e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0702e+01	1.0703e+01	2e-01	6e-02	2e-15	5e-03
4:	1.0775e+01	1.0775e+01	3e-02	8e-03	3e-15	6e-04
5:	1.0788e+01	1.0788e+01	4e-04	1e-04	7e-16	9e-06
6:	1.0788e+01	1.0788e+01	4e-06	1e-06	9e-16	9e-08
7:	1.0788e+01	1.0788e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7933e+00	6.8064e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1315e+01	1.1318e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1798e+01	1.1799e+01	3e-01	9e-02	2e-15	6e-03
4:	1.1906e+01	1.1907e+01	4e-02	1e-02	2e-15	8e-04
5:	1.1925e+01	1.1925e+01	8e-04	2e-04	9e-16	2e-05
6:	1.1925e+01	1.1925e+01	8e-06	2e-06	1e-15	2e-07
7:	1.1925e+01	1.1925e+01	8e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8349e+00	6.8384e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0031e+01	1.0032e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0541e+01	1.0541e+01	4e-01	1e-01	6e-15	9e-03
4:	1.0664e+01	1.0664e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0714e+01	1.0714e+01	7e-03	2e-03	9e-16	2e-04
6:	1.0716e+01	1.0716e+01	8e-05	2e-05	8e-16	2e-06
7:	1.0716e+01	1.0716e+01	8e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6693e+00	8.6750e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2830e+01	1.2832e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3376e+01	1.3376e+01	3e-01	9e-02	1e-15	7e-03
4:	1.3430e+01	1.3430e+01	1e-01	3e-02	2e-14	3e-03
5:	1.3466e+01	1.3466e+01	1e-02	5e-03	9e-15	4e-04
6:	1.3470e+01	1.3470e+01	3e-03	1e-03	2e-14	9e-05

7:	1.3471e+01	1.3471e+01	9e-04	3e-04	8e-15	2e-05
8:	1.3471e+01	1.3471e+01	1e-05	4e-06	2e-14	4e-07
9:	1.3471e+01	1.3471e+01	1e-07	4e-08	9e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3239e+00	9.3286e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1663e+01	1.1664e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2468e+01	1.2468e+01	2e-01	7e-02	2e-15	5e-03
4:	1.2581e+01	1.2581e+01	4e-03	1e-03	3e-15	1e-04
5:	1.2583e+01	1.2583e+01	4e-05	1e-05	2e-15	1e-06
6:	1.2583e+01	1.2583e+01	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0079e+00	8.0153e+00	8e+00	2e+00	2e-16	2e-01
2:	1.2086e+01	1.2089e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2566e+01	1.2567e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2788e+01	1.2788e+01	6e-02	2e-02	1e-15	1e-03
5:	1.2811e+01	1.2811e+01	4e-03	1e-03	7e-16	9e-05
6:	1.2813e+01	1.2813e+01	4e-05	1e-05	7e-16	9e-07
7:	1.2813e+01	1.2813e+01	4e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8646e+00	7.8678e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0994e+01	1.0994e+01	2e+00	5e-01	3e-15	4e-02
3:	1.1719e+01	1.1720e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1833e+01	1.1833e+01	6e-02	2e-02	2e-14	1e-03
5:	1.1852e+01	1.1852e+01	1e-02	3e-03	7e-15	2e-04
6:	1.1856e+01	1.1856e+01	2e-03	5e-04	2e-15	4e-05
7:	1.1856e+01	1.1856e+01	2e-05	6e-06	6e-15	4e-07
8:	1.1856e+01	1.1856e+01	2e-07	6e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5309e+00	7.5392e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1286e+01	1.1289e+01	2e+00	6e-01	1e-15	5e-02
3:	1.1770e+01	1.1771e+01	6e-01	2e-01	3e-15	1e-02
4:	1.1999e+01	1.1999e+01	1e-01	4e-02	2e-15	3e-03
5:	1.2067e+01	1.2067e+01	7e-03	2e-03	6e-16	2e-04
6:	1.2070e+01	1.2070e+01	5e-04	1e-04	9e-15	1e-05
7:	1.2070e+01	1.2070e+01	5e-06	2e-06	2e-14	1e-07
8:	1.2070e+01	1.2070e+01	5e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7009e+00	7.7063e+00	7e+00	2e+00	3e-16	2e-01

2:	1.1289e+01	1.1291e+01	2e+00	6e-01	2e-15	5e-02
3:	1.1934e+01	1.1935e+01	4e-01	1e-01	3e-15	9e-03
4:	1.2028e+01	1.2028e+01	1e-01	3e-02	2e-15	2e-03
5:	1.2068e+01	1.2068e+01	3e-02	8e-03	8e-16	6e-04
6:	1.2076e+01	1.2076e+01	5e-04	2e-04	7e-16	1e-05
7:	1.2077e+01	1.2077e+01	5e-06	2e-06	1e-15	1e-07
8:	1.2077e+01	1.2077e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4895e+00	5.4909e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3880e+00	8.3884e+00	1e+00	5e-01	2e-15	4e-02
3:	8.9812e+00	8.9814e+00	4e-01	1e-01	2e-15	9e-03
4:	9.1250e+00	9.1250e+00	5e-02	1e-02	2e-15	1e-03
5:	9.1460e+00	9.1461e+00	1e-02	4e-03	7e-16	3e-04
6:	9.1506e+00	9.1506e+00	2e-04	6e-05	1e-15	4e-06
7:	9.1507e+00	9.1507e+00	2e-06	6e-07	1e-15	4e-08
8:	9.1507e+00	9.1507e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2658e+00	8.2714e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1374e+01	1.1377e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2023e+01	1.2023e+01	4e-01	1e-01	2e-15	9e-03
4:	1.2192e+01	1.2192e+01	6e-02	2e-02	8e-16	1e-03
5:	1.2214e+01	1.2214e+01	5e-03	2e-03	3e-15	1e-04
6:	1.2215e+01	1.2215e+01	5e-05	2e-05	4e-16	1e-06
7:	1.2215e+01	1.2215e+01	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9181e+00	4.9275e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4273e+00	7.4311e+00	2e+00	7e-01	1e-15	5e-02
3:	8.3469e+00	8.3487e+00	7e-01	2e-01	9e-16	2e-02
4:	8.5236e+00	8.5239e+00	9e-02	3e-02	8e-16	2e-03
5:	8.5521e+00	8.5521e+00	3e-03	9e-04	3e-15	6e-05
6:	8.5530e+00	8.5530e+00	3e-05	9e-06	1e-15	6e-07
7:	8.5530e+00	8.5530e+00	3e-07	9e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3052e+00	7.3117e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0995e+01	1.0997e+01	2e+00	5e-01	2e-15	3e-02
3:	1.1396e+01	1.1397e+01	6e-01	2e-01	1e-15	1e-02
4:	1.1511e+01	1.1511e+01	1e-01	5e-02	6e-15	3e-03
5:	1.1561e+01	1.1561e+01	3e-02	1e-02	1e-15	8e-04
6:	1.1572e+01	1.1572e+01	4e-04	1e-04	1e-15	1e-05
7:	1.1572e+01	1.1572e+01	4e-06	1e-06	1e-15	1e-07

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8: 1.1572e+01 1.1572e+01 4e-08 1e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 7.8195e+00 7.8316e+00 8e+00 3e+00 3e-16 2e-01
2: 1.1076e+01 1.1080e+01 2e+00 7e-01 2e-15 5e-02
3: 1.1982e+01 1.1983e+01 4e-01 1e-01 2e-15 8e-03
4: 1.2101e+01 1.2101e+01 7e-02 2e-02 2e-15 2e-03
5: 1.2135e+01 1.2135e+01 1e-03 4e-04 1e-15 3e-05
6: 1.2136e+01 1.2136e+01 1e-05 4e-06 8e-16 3e-07
7: 1.2136e+01 1.2136e+01 1e-07 4e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 7.4777e+00 7.4889e+00 8e+00 2e+00 2e-16 2e-01
2: 1.0515e+01 1.0518e+01 2e+00 6e-01 3e-15 4e-02
3: 1.1219e+01 1.1220e+01 3e-01 9e-02 1e-15 6e-03
4: 1.1325e+01 1.1325e+01 6e-02 2e-02 4e-15 2e-03
5: 1.1348e+01 1.1348e+01 1e-03 5e-04 3e-15 3e-05
6: 1.1349e+01 1.1349e+01 1e-05 5e-06 3e-15 3e-07
7: 1.1349e+01 1.1349e+01 1e-07 5e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.0161e+00 5.0212e+00 7e+00 2e+00 3e-16 2e-01
2: 8.0129e+00 8.0142e+00 1e+00 4e-01 1e-15 3e-02
3: 8.6166e+00 8.6168e+00 2e-01 5e-02 1e-15 4e-03
4: 8.6894e+00 8.6894e+00 1e-02 3e-03 2e-15 2e-04
5: 8.6940e+00 8.6940e+00 1e-04 3e-05 1e-15 2e-06
6: 8.6941e+00 8.6941e+00 1e-06 3e-07 9e-16 2e-08
7: 8.6941e+00 8.6941e+00 1e-08 3e-09 1e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 6.5791e+00 6.5878e+00 8e+00 3e+00 3e-16 2e-01
2: 1.0013e+01 1.0015e+01 2e+00 5e-01 2e-15 4e-02
3: 1.0575e+01 1.0576e+01 4e-01 1e-01 2e-15 8e-03
4: 1.0700e+01 1.0701e+01 1e-01 3e-02 2e-15 2e-03
5: 1.0728e+01 1.0728e+01 1e-02 3e-03 5e-15 2e-04
6: 1.0732e+01 1.0732e+01 1e-04 4e-05 3e-15 3e-06
7: 1.0732e+01 1.0732e+01 1e-06 4e-07 3e-15 3e-08
8: 1.0732e+01 1.0732e+01 1e-08 4e-09 1e-14 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 7.9551e+00 7.9604e+00 7e+00 2e+00 2e-16 2e-01
2: 1.1157e+01 1.1158e+01 2e+00 5e-01 1e-15 4e-02
3: 1.1921e+01 1.1921e+01 3e-01 9e-02 3e-15 7e-03

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4:	1.2012e+01	1.2012e+01	5e-02	2e-02	4e-15	1e-03
5:	1.2036e+01	1.2036e+01	2e-03	5e-04	5e-15	4e-05
6:	1.2036e+01	1.2036e+01	2e-05	5e-06	5e-15	4e-07
7:	1.2036e+01	1.2036e+01	2e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2307e+00	8.2372e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2425e+01	1.2427e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2992e+01	1.2992e+01	2e-01	8e-02	1e-15	6e-03
4:	1.3101e+01	1.3101e+01	3e-02	1e-02	1e-14	7e-04
5:	1.3112e+01	1.3112e+01	2e-03	5e-04	4e-14	4e-05
6:	1.3113e+01	1.3113e+01	2e-05	5e-06	8e-15	4e-07
7:	1.3113e+01	1.3113e+01	2e-07	5e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8205e+00	5.8326e+00	8e+00	2e+00	4e-16	2e-01
2:	8.4977e+00	8.5019e+00	2e+00	6e-01	1e-15	4e-02
3:	9.0648e+00	9.0668e+00	6e-01	2e-01	4e-15	1e-02
4:	9.2815e+00	9.2822e+00	1e-01	4e-02	1e-15	3e-03
5:	9.3376e+00	9.3377e+00	6e-03	2e-03	4e-16	2e-04
6:	9.3398e+00	9.3398e+00	7e-05	2e-05	5e-16	2e-06
7:	9.3399e+00	9.3399e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.9291e+00	7.9358e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1975e+01	1.1976e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2267e+01	1.2267e+01	3e-01	9e-02	3e-15	7e-03
4:	1.2390e+01	1.2390e+01	6e-02	2e-02	1e-15	2e-03
5:	1.2414e+01	1.2414e+01	8e-04	2e-04	8e-16	2e-05
6:	1.2414e+01	1.2414e+01	8e-06	2e-06	6e-16	2e-07
7:	1.2414e+01	1.2414e+01	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0577e+00	7.0637e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0313e+01	1.0315e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1042e+01	1.1042e+01	2e-01	8e-02	3e-15	6e-03
4:	1.1169e+01	1.1169e+01	4e-03	1e-03	1e-15	9e-05
5:	1.1171e+01	1.1171e+01	4e-05	1e-05	6e-16	9e-07
6:	1.1171e+01	1.1171e+01	4e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0965e+00	8.1030e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1045e+01	1.1047e+01	2e+00	6e-01	1e-15	4e-02

3:	1.1908e+01	1.1909e+01	4e-01	1e-01	7e-16	1e-02
4:	1.2035e+01	1.2036e+01	1e-01	4e-02	4e-15	3e-03
5:	1.2085e+01	1.2085e+01	1e-02	3e-03	1e-15	2e-04
6:	1.2089e+01	1.2089e+01	1e-04	3e-05	2e-15	2e-06
7:	1.2089e+01	1.2089e+01	1e-06	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3040e+00	6.3149e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3118e+00	9.3163e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0270e+01	1.0270e+01	2e-01	7e-02	7e-16	5e-03
4:	1.0344e+01	1.0345e+01	3e-02	1e-02	6e-15	7e-04
5:	1.0354e+01	1.0354e+01	8e-03	2e-03	4e-14	2e-04
6:	1.0358e+01	1.0358e+01	9e-05	3e-05	2e-15	2e-06
7:	1.0358e+01	1.0358e+01	9e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9869e-01	6.9585e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9613e-01	9.9598e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8220e-01	6.7919e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9702e-01	9.9679e-01	1e-01	5e-02	9e-16	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	1e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	5e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7473e-01	7.7326e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9776e-01	9.9773e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8463e-01	7.8341e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9786e-01	9.9783e-01	6e-02	2e-02	9e-16	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7571e-01	5.7240e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9572e-01	7e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5483e-01	7.5290e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9757e-01	9.9753e-01	7e-02	2e-02	9e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7889e-01	5.7557e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9706e-01	9.9576e-01	7e-01	2e-01	4e-15	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	6e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1146e-01	7.0878e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9664e-01	9.9652e-01	1e-01	3e-02	6e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5497e-01	6.5175e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9652e-01	2e-01	7e-02	9e-16	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	3e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9954e-01	5.9619e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9701e-01	9.9596e-01	5e-01	2e-01	4e-15	2e-02
3:	9.9997e-01	9.9996e-01	5e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	5e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	5e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5424e-01	6.5101e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9693e-01	9.9651e-01	2e-01	8e-02	2e-15	7e-03
3:	9.9997e-01	9.9997e-01	2e-03	8e-04	3e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	3e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1309e-01	7.1043e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9670e-01	9.9659e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8679e-01	6.8382e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9642e-01	9.9622e-01	1e-01	4e-02	7e-16	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	4e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3353e-01	7.3120e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9716e-01	9.9708e-01	8e-02	3e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	3e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6293e-01	7.6118e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9765e-01	9.9761e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8740e-01	7.8626e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9788e-01	9.9786e-01	6e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1904e-01	6.1569e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9616e-01	5e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	1e-03	4e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	1e-05	4e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	1e-07	4e-16	1e-08
6:	1.0000e+00	1.0000e+00	5e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1956e-01	7.1699e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9664e-01	9.9654e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8312e-01	6.8011e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9703e-01	9.9680e-01	2e-01	5e-02	8e-16	4e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	4e-16	4e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2977e-01	7.2737e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9687e-01	9.9679e-01	9e-02	3e-02	1e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6897e-01	7.6736e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9771e-01	9.9767e-01	7e-02	2e-02	8e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0889e-01	7.0617e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9698e-01	9.9686e-01	1e-01	3e-02	4e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0709e-01	7.0435e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9683e-01	9.9670e-01	1e-01	4e-02	5e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5775e-01	7.5589e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9760e-01	9.9756e-01	7e-02	2e-02	5e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1349e-01	7.1084e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9700e-01	9.9688e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6863e-01	6.6550e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9666e-01	2e-01	7e-02	2e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	4e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9418e-01	7.9322e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9795e-01	9.9793e-01	6e-02	2e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2269e-01	6.1935e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9619e-01	4e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	2e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	2e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0561e-01	7.0285e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9716e-01	9.9703e-01	1e-01	4e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5781e-01	7.5595e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9760e-01	9.9756e-01	7e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3747e-01	6.3417e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9634e-01	3e-01	9e-02	2e-15	8e-03
3:	9.9997e-01	9.9996e-01	3e-03	9e-04	5e-16	8e-05
4:	1.0000e+00	1.0000e+00	3e-05	9e-06	5e-16	8e-07
5:	1.0000e+00	1.0000e+00	3e-07	9e-08	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4652e-01	7.4443e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9740e-01	9.9734e-01	8e-02	2e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5758e-01	7.5571e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9760e-01	9.9756e-01	7e-02	2e-02	5e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7524e-01	7.7378e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9777e-01	9.9774e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.2412e-01	6.2078e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9621e-01	4e-01	1e-01	2e-15	1e-02
3:	9.9997e-01	9.9996e-01	4e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	1.0000e+00	1.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2598e-01	7.2352e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9711e-01	9.9702e-01	9e-02	3e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	1e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6343e-01	6.6027e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9695e-01	9.9660e-01	2e-01	6e-02	2e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	4e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	2e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.4049e-01	5.3731e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9707e-01	9.9537e-01	1e+00	3e-01	3e-15	3e-02
3:	9.9990e-01	9.9987e-01	1e-02	4e-03	4e-16	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	4e-05	4e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	4e-07	7e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	4e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7090e-01	7.6933e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9772e-01	9.9769e-01	7e-02	2e-02	5e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8684e-01	6.8387e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9673e-01	9.9653e-01	1e-01	4e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	5e-16	3e-07

5: 1.0000e+00 1.0000e+00 1e-07 4e-08 2e-16 3e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9888e-01	5.9553e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9596e-01	6e-01	2e-01	2e-15	2e-02
3:	9.9997e-01	9.9996e-01	6e-03	2e-03	3e-16	2e-04
4:	1.0000e+00	1.0000e+00	6e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3333e-01	7.3099e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9726e-01	9.9719e-01	9e-02	3e-02	9e-16	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1959e-01	7.1702e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9661e-01	9.9651e-01	9e-02	3e-02	1e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7094e-01	7.6938e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9772e-01	9.9769e-01	7e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1165e-01	7.0898e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9671e-01	9.9659e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9087e-01	7.8983e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9792e-01	9.9790e-01	6e-02	2e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	1e-07

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5: 1.0000e+00 1.0000e+00 6e-08 2e-08 4e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.0044e-01 6.9762e-01 5e+00 2e+00 2e-16 1e-01
2: 9.9644e-01 9.9630e-01 1e-01 4e-02 2e-15 3e-03
3: 9.9996e-01 9.9996e-01 1e-03 4e-04 4e-16 3e-05
4: 1.0000e+00 1.0000e+00 1e-05 4e-06 4e-16 3e-07
5: 1.0000e+00 1.0000e+00 1e-07 4e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.9062e-01 7.8957e-01 4e+00 1e+00 3e-16 1e-01
2: 9.9791e-01 9.9790e-01 6e-02 2e-02 1e-15 1e-03
3: 9.9998e-01 9.9998e-01 6e-04 2e-04 7e-16 1e-05
4: 1.0000e+00 1.0000e+00 6e-06 2e-06 4e-16 1e-07
5: 1.0000e+00 1.0000e+00 6e-08 2e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.7326e-01 6.7017e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9698e-01 9.9670e-01 2e-01 5e-02 4e-15 5e-03
3: 9.9997e-01 9.9997e-01 2e-03 5e-04 4e-16 5e-05
4: 1.0000e+00 1.0000e+00 2e-05 5e-06 2e-16 5e-07
5: 1.0000e+00 1.0000e+00 2e-07 5e-08 3e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.0246e-01 6.9966e-01 5e+00 2e+00 2e-16 1e-01
2: 9.9697e-01 9.9684e-01 1e-01 3e-02 2e-15 3e-03
3: 9.9997e-01 9.9997e-01 1e-03 3e-04 4e-16 3e-05
4: 1.0000e+00 1.0000e+00 1e-05 3e-06 4e-16 3e-07
5: 1.0000e+00 1.0000e+00 1e-07 3e-08 4e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.1500e+00 1.1469e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9275e+00 1.9262e+00 1e+00 5e-01 1e-15 4e-02
3: 1.9989e+00 1.9989e+00 2e-02 6e-03 1e-15 5e-04
4: 2.0000e+00 2.0000e+00 2e-04 6e-05 6e-16 5e-06
5: 2.0000e+00 2.0000e+00 2e-06 6e-07 8e-16 5e-08
6: 2.0000e+00 2.0000e+00 2e-08 6e-09 1e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.5049e+00 1.5055e+00 6e+00 2e+00 2e-16 1e-01
2: 1.9893e+00 1.9893e+00 2e-01 5e-02 7e-16 4e-03
3: 1.9999e+00 1.9999e+00 2e-03 5e-04 4e-16 4e-05

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4:	2.0000e+00	2.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2112e+00	1.2078e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9899e+00	1.9890e+00	7e-01	2e-01	5e-15	2e-02
3:	1.9999e+00	1.9999e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3992e+00	1.3965e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9936e+00	1.9934e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	2e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5034e+00	1.5018e+00	5e+00	2e+00	1e-16	1e-01
2:	1.9947e+00	1.9946e+00	9e-02	3e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5194e+00	1.5176e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9951e+00	1.9950e+00	8e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	8e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	2e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4127e+00	1.4106e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9926e+00	1.9924e+00	2e-01	6e-02	1e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4633e+00	1.4623e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9915e+00	1.9915e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	5e-16	4e-05

4:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3395e+00	1.3365e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9928e+00	1.9925e+00	2e-01	8e-02	1e-15	7e-03
3:	1.9999e+00	1.9999e+00	2e-03	8e-04	4e-16	7e-05
4:	2.0000e+00	2.0000e+00	2e-05	8e-06	7e-16	7e-07
5:	2.0000e+00	2.0000e+00	2e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4467e+00	1.4449e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9945e+00	1.9944e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	5e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3538e+00	1.3512e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9873e+00	1.9870e+00	3e-01	1e-01	2e-15	9e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	4e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4864e+00	1.4864e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9853e+00	1.9853e+00	2e-01	8e-02	1e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	8e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	8e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	8e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4640e+00	1.4630e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9929e+00	1.9928e+00	1e-01	5e-02	1e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	5e-04	4e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.8627e-01	9.8299e-01	5e+00	2e+00	2e-16	2e-01
2:	1.9494e+00	1.9471e+00	2e+00	5e-01	2e-15	5e-02
3:	1.9939e+00	1.9936e+00	5e-02	2e-02	1e-15	1e-03



4:	1.9999e+00	1.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	2.0000e+00	2.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	2.0000e+00	2.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4116e+00	1.4104e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9915e+00	1.9914e+00	2e-01	7e-02	2e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	4e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3060e+00	1.3059e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9417e+00	1.9417e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9993e+00	1.9993e+00	1e-02	5e-03	6e-16	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	5e-05	5e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2373e+00	1.2345e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9644e+00	1.9637e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	9e-03	3e-03	6e-16	2e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	6e-16	2e-08
6:	2.0000e+00	2.0000e+00	9e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3638e+00	1.3611e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9923e+00	1.9921e+00	2e-01	7e-02	2e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	4e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1039e+00	1.1006e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9782e+00	1.9766e+00	1e+00	4e-01	3e-15	3e-02
3:	1.9994e+00	1.9994e+00	1e-02	4e-03	8e-16	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	5e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1296e+00	1.1267e+00	6e+00	2e+00	2e-16	2e-01

2:	1.9477e+00	1.9464e+00	1e+00	4e-01	6e-16	4e-02
3:	1.9991e+00	1.9991e+00	2e-02	5e-03	5e-16	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	7e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	5e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	4e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1689e+00	1.1656e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9857e+00	1.9845e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9998e+00	1.9998e+00	9e-03	3e-03	5e-16	2e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5690e+00	1.5688e+00	5e+00	1e+00	2e-16	1e-01
2:	1.9945e+00	1.9945e+00	8e-02	3e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1352e+00	1.1318e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9807e+00	1.9793e+00	1e+00	3e-01	3e-15	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	4e-03	7e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3533e+00	1.3523e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9893e+00	1.9892e+00	3e-01	1e-01	1e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	5e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4247e+00	1.4229e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9891e+00	1.9889e+00	2e-01	7e-02	3e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	4e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.3461e+00	1.3437e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9717e+00	1.9714e+00	5e-01	2e-01	7e-16	1e-02
3:	1.9997e+00	1.9997e+00	5e-03	2e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	7e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	8e-16	1e-08
6:	2.0000e+00	2.0000e+00	5e-09	2e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.2984e-01	9.2671e-01	5e+00	2e+00	3e-16	2e-01
2:	1.9062e+00	1.9038e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9857e+00	1.9849e+00	9e-02	3e-02	2e-15	2e-03
4:	1.9999e+00	1.9998e+00	9e-04	3e-04	2e-16	2e-05
5:	2.0000e+00	2.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5833e+00	1.5823e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9958e+00	1.9958e+00	6e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	5e-16	1e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5310e+00	1.5297e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9949e+00	1.9949e+00	8e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	6e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3540e+00	1.3515e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9894e+00	1.9892e+00	3e-01	9e-02	1e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	6e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	3e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1230e+00	1.1203e+00	6e+00	2e+00	4e-16	2e-01
2:	1.9070e+00	1.9056e+00	2e+00	6e-01	1e-15	5e-02
3:	1.9978e+00	1.9978e+00	3e-02	1e-02	1e-15	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	1e-04	4e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	1e-06	4e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5204e+00	1.5209e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9907e+00	1.9907e+00	1e-01	4e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	6e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4129e+00	1.4121e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9893e+00	1.9892e+00	2e-01	8e-02	9e-16	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	8e-04	4e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	8e-06	3e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3031e+00	1.2999e+00	5e+00	2e+00	1e-16	2e-01
2:	1.9886e+00	1.9881e+00	4e-01	1e-01	4e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	8e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2188e+00	1.2155e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9918e+00	1.9909e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9999e+00	1.9999e+00	6e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3351e+00	1.3330e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9695e+00	1.9692e+00	6e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	6e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	4e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1631e+00	1.1602e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9338e+00	1.9326e+00	1e+00	4e-01	5e-16	4e-02
3:	1.9992e+00	1.9991e+00	2e-02	5e-03	4e-16	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	6e-16	4e-08

6: 2.0000e+00 2.0000e+00 2e-08 5e-09 4e-16 4e-10  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1957e+00	1.1927e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9739e+00	1.9730e+00	9e-01	3e-01	2e-15	3e-02
3:	1.9997e+00	1.9997e+00	9e-03	3e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	3e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1875e+00	1.1858e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9402e+00	1.9396e+00	1e+00	5e-01	2e-15	4e-02
3:	1.9992e+00	1.9991e+00	2e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2157e+00	1.2125e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9857e+00	1.9848e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9998e+00	1.9998e+00	7e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	3e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2592e+00	1.2571e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9508e+00	1.9502e+00	1e+00	3e-01	6e-16	3e-02
3:	1.9995e+00	1.9994e+00	1e-02	4e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	4e-16	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2800e+00	1.2770e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9893e+00	1.9888e+00	4e-01	1e-01	8e-16	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2702e+00	1.2689e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9478e+00	1.9474e+00	1e+00	4e-01	4e-15	3e-02

3:	1.9994e+00	1.9994e+00	1e-02	4e-03	7e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	3e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4070e+00	1.4052e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9915e+00	1.9914e+00	2e-01	7e-02	2e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	5e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5261e+00	1.5254e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9952e+00	1.9952e+00	9e-02	3e-02	9e-16	2e-03
3:	2.0000e+00	2.0000e+00	9e-04	3e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3405e+00	1.3386e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9910e+00	1.9907e+00	3e-01	1e-01	3e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	6e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	2e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3590e+00	1.3561e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9921e+00	1.9919e+00	2e-01	7e-02	4e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	3e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2233e+00	1.2213e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9590e+00	1.9584e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	4e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	5e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	3e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4723e+00	1.4707e+00	5e+00	2e+00	2e-16	1e-01

2:	1.9946e+00	1.9946e+00	1e-01	3e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2571e+00	1.2538e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9931e+00	1.9924e+00	5e-01	1e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	1e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3340e+00	2.3338e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9879e+00	2.9879e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9803e+00	1.9778e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9718e+00	2.9715e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	2e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2278e+00	2.2282e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9736e+00	2.9736e+00	3e-01	9e-02	6e-16	7e-03
3:	2.9997e+00	2.9997e+00	3e-03	9e-04	6e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0420e+00	2.0415e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9553e+00	2.9552e+00	5e-01	2e-01	3e-15	1e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	8e-16	1e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	8e-16	1e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6269e+00	1.6264e+00	6e+00	2e+00	2e-16	2e-01

2:	2.7779e+00	2.7776e+00	2e+00	8e-01	7e-16	6e-02
3:	2.9898e+00	2.9898e+00	9e-02	3e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	9e-04	3e-04	3e-16	2e-05
5:	3.0000e+00	3.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	3.0000e+00	3.0000e+00	9e-08	3e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1804e+00	2.1785e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9831e+00	2.9830e+00	2e-01	6e-02	1e-15	5e-03
3:	2.9998e+00	2.9998e+00	2e-03	6e-04	4e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7961e+00	1.7970e+00	7e+00	2e+00	2e-16	2e-01
2:	2.8775e+00	2.8779e+00	2e+00	5e-01	8e-16	4e-02
3:	2.9963e+00	2.9963e+00	3e-02	1e-02	1e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	1e-04	8e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	3e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.9512e+00	1.9482e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9773e+00	2.9768e+00	5e-01	1e-01	3e-15	1e-02
3:	2.9998e+00	2.9998e+00	5e-03	2e-03	9e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	7e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9437e+00	1.9435e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9479e+00	2.9479e+00	9e-01	3e-01	2e-15	2e-02
3:	2.9994e+00	2.9994e+00	1e-02	3e-03	4e-16	2e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	6e-16	2e-08
6:	3.0000e+00	3.0000e+00	1e-08	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5094e+00	1.5064e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7483e+00	2.7465e+00	2e+00	7e-01	2e-15	6e-02
3:	2.9591e+00	2.9582e+00	2e-01	8e-02	2e-15	6e-03
4:	2.9996e+00	2.9996e+00	3e-03	8e-04	3e-16	6e-05
5:	3.0000e+00	3.0000e+00	3e-05	8e-06	4e-16	6e-07
6:	3.0000e+00	3.0000e+00	3e-07	8e-08	5e-16	6e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7356e+00	1.7324e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9523e+00	2.9512e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9986e+00	2.9986e+00	2e-02	5e-03	2e-15	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	9e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0126e+00	2.0104e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9456e+00	2.9452e+00	7e-01	2e-01	2e-15	2e-02
3:	2.9994e+00	2.9994e+00	7e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	8e-16	2e-08
6:	3.0000e+00	3.0000e+00	7e-09	2e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6010e+00	1.6009e+00	6e+00	2e+00	2e-16	2e-01
2:	2.7957e+00	2.7956e+00	2e+00	7e-01	7e-16	6e-02
3:	2.9886e+00	2.9885e+00	8e-02	3e-02	2e-15	2e-03
4:	2.9999e+00	2.9999e+00	8e-04	3e-04	6e-16	2e-05
5:	3.0000e+00	3.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6028e+00	1.5998e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8922e+00	2.8908e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9931e+00	2.9930e+00	4e-02	1e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0007e+00	1.9987e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9693e+00	2.9691e+00	5e-01	2e-01	1e-15	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2370e+00	2.2370e+00	5e+00	2e+00	2e-16	1e-01

2:	2.9809e+00	2.9809e+00	2e-01	6e-02	9e-16	5e-03
3:	2.9998e+00	2.9998e+00	2e-03	6e-04	6e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	8e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6021e+00	1.5988e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8856e+00	2.8842e+00	2e+00	5e-01	3e-15	5e-02
3:	2.9895e+00	2.9893e+00	6e-02	2e-02	3e-15	2e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2779e+00	1.2746e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7876e+00	2.7855e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9127e+00	2.9113e+00	4e-01	1e-01	2e-15	1e-02
4:	2.9991e+00	2.9991e+00	4e-03	1e-03	5e-16	1e-04
5:	3.0000e+00	3.0000e+00	4e-05	1e-05	4e-16	1e-06
6:	3.0000e+00	3.0000e+00	4e-07	1e-07	4e-16	1e-08
7:	3.0000e+00	3.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0695e+00	2.0677e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9775e+00	2.9773e+00	3e-01	1e-01	2e-15	9e-03
3:	2.9998e+00	2.9998e+00	4e-03	1e-03	7e-16	9e-05
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	9e-07
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8813e+00	1.8787e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9181e+00	2.9172e+00	1e+00	3e-01	3e-15	3e-02
3:	2.9991e+00	2.9991e+00	1e-02	4e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0115e+00	2.0106e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9471e+00	2.9470e+00	7e-01	2e-01	2e-15	2e-02
3:	2.9994e+00	2.9994e+00	8e-03	3e-03	9e-16	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	3e-07	1e-15	2e-08
6:	3.0000e+00	3.0000e+00	8e-09	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0074e+00	2.0054e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9539e+00	2.9536e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9995e+00	2.9995e+00	7e-03	2e-03	9e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	6e-16	2e-08
6:	3.0000e+00	3.0000e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1782e+00	2.1768e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9818e+00	2.9817e+00	2e-01	7e-02	5e-16	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	5e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	1e-15	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6318e+00	1.6287e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8869e+00	2.8855e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9943e+00	2.9942e+00	4e-02	1e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6998e+00	1.6966e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9525e+00	2.9512e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	9e-16	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	8e-16	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	1e-15	4e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5062e+00	1.5033e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8598e+00	2.8583e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9820e+00	2.9818e+00	9e-02	3e-02	2e-15	2e-03
4:	2.9998e+00	2.9998e+00	9e-04	3e-04	4e-16	2e-05
5:	3.0000e+00	3.0000e+00	9e-06	3e-06	5e-16	2e-07
6:	3.0000e+00	3.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1196e+00	2.1191e+00	6e+00	2e+00	3e-16	2e-01

2:	2.9496e+00	2.9495e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	4e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	4e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7276e+00	1.7245e+00	5e+00	2e+00	3e-16	2e-01
2:	2.8296e+00	2.8279e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9949e+00	2.9948e+00	4e-02	1e-02	2e-15	1e-03
4:	2.9999e+00	2.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0904e+00	2.0905e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9606e+00	2.9606e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	2e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4494e+00	1.4475e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8108e+00	2.8097e+00	2e+00	7e-01	8e-16	6e-02
3:	2.9677e+00	2.9674e+00	2e-01	5e-02	2e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	5e-04	4e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9290e+00	1.9278e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9254e+00	2.9251e+00	1e+00	3e-01	1e-15	3e-02
3:	2.9991e+00	2.9991e+00	1e-02	4e-03	9e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0065e+00	2.0068e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8832e+00	2.8833e+00	1e+00	4e-01	5e-16	4e-02
3:	2.9983e+00	2.9983e+00	2e-02	6e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2047e+00	2.2031e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9890e+00	2.9889e+00	2e-01	5e-02	2e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	6e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0134e+00	2.0107e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9876e+00	2.9873e+00	4e-01	1e-01	3e-15	1e-02
3:	2.9999e+00	2.9999e+00	4e-03	1e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9127e+00	1.9123e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9100e+00	2.9099e+00	1e+00	4e-01	6e-16	3e-02
3:	2.9990e+00	2.9990e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	7e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8194e+00	1.8175e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8843e+00	2.8834e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9982e+00	2.9982e+00	2e-02	7e-03	9e-16	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	8e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	4e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0646e+00	2.0628e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9827e+00	2.9826e+00	3e-01	1e-01	7e-16	8e-03
3:	2.9998e+00	2.9998e+00	3e-03	1e-03	6e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	6e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2257e+00	2.2256e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9583e+00	2.9583e+00	4e-01	1e-01	9e-16	1e-02
3:	2.9996e+00	2.9996e+00	4e-03	1e-03	1e-15	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	1e-15	1e-06

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5: 3.0000e+00 3.0000e+00 4e-07 1e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.8673e+00 1.8682e+00 6e+00 2e+00 2e-16 2e-01
2: 2.8713e+00 2.8716e+00 2e+00 5e-01 2e-15 4e-02
3: 2.9978e+00 2.9978e+00 2e-02 7e-03 1e-15 6e-04
4: 3.0000e+00 3.0000e+00 2e-04 7e-05 3e-16 6e-06
5: 3.0000e+00 3.0000e+00 2e-06 7e-07 3e-16 6e-08
6: 3.0000e+00 3.0000e+00 2e-08 7e-09 6e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.8943e+00 1.8916e+00 6e+00 2e+00 3e-16 2e-01
2: 2.9792e+00 2.9786e+00 6e-01 2e-01 4e-15 2e-02
3: 2.9998e+00 2.9998e+00 7e-03 2e-03 6e-16 2e-04
4: 3.0000e+00 3.0000e+00 7e-05 2e-05 5e-16 2e-06
5: 3.0000e+00 3.0000e+00 7e-07 2e-07 6e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.0522e+00 2.0509e+00 6e+00 2e+00 2e-16 2e-01
2: 2.9599e+00 2.9598e+00 5e-01 2e-01 3e-15 1e-02
3: 2.9996e+00 2.9996e+00 5e-03 2e-03 1e-15 1e-04
4: 3.0000e+00 3.0000e+00 5e-05 2e-05 6e-16 1e-06
5: 3.0000e+00 3.0000e+00 5e-07 2e-07 5e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.0088e+00 2.0077e+00 6e+00 2e+00 2e-16 2e-01
2: 2.9656e+00 2.9654e+00 5e-01 2e-01 3e-15 1e-02
3: 2.9997e+00 2.9997e+00 6e-03 2e-03 6e-16 1e-04
4: 3.0000e+00 3.0000e+00 6e-05 2e-05 4e-16 1e-06
5: 3.0000e+00 3.0000e+00 6e-07 2e-07 7e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.3513e+00 1.3483e+00 5e+00 2e+00 2e-16 2e-01
2: 2.8116e+00 2.8102e+00 2e+00 5e-01 7e-16 4e-02
3: 2.8904e+00 2.8888e+00 4e-01 1e-01 3e-15 1e-02
4: 2.9988e+00 2.9988e+00 6e-03 2e-03 3e-16 1e-04
5: 3.0000e+00 3.0000e+00 6e-05 2e-05 4e-16 1e-06
6: 3.0000e+00 3.0000e+00 6e-07 2e-07 4e-16 1e-08
7: 3.0000e+00 3.0000e+00 6e-09 2e-09 4e-16 1e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 1.6803e+00 1.6771e+00 6e+00 2e+00 2e-16 2e-01

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2:	2.8782e+00	2.8767e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9960e+00	2.9959e+00	3e-02	9e-03	1e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	4e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	5e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1190e+00	2.1179e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9585e+00	2.9584e+00	4e-01	1e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	1e-03	9e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	1e-05	9e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6853e+00	1.6855e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8508e+00	2.8509e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9952e+00	2.9952e+00	4e-02	1e-02	1e-15	1e-03
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1886e+00	2.1885e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9782e+00	2.9782e+00	2e-01	7e-02	2e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	5e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	7e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8523e+00	1.8507e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9535e+00	2.9531e+00	9e-01	3e-01	1e-15	2e-02
3:	2.9995e+00	2.9995e+00	1e-02	3e-03	7e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8472e+00	1.8466e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9129e+00	2.9127e+00	1e+00	4e-01	2e-15	3e-02
3:	2.9988e+00	2.9988e+00	1e-02	5e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	1e-04	5e-05	8e-16	4e-06
5:	3.0000e+00	3.0000e+00	1e-06	5e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3131e+00	2.3126e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9911e+00	2.9911e+00	9e-02	3e-02	7e-16	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	6e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	3e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5183e+00	2.5180e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7806e+00	3.7804e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9963e+00	3.9963e+00	3e-02	9e-03	7e-16	7e-04
4:	4.0000e+00	4.0000e+00	3e-04	9e-05	5e-16	7e-06
5:	4.0000e+00	4.0000e+00	3e-06	9e-07	5e-16	7e-08
6:	4.0000e+00	4.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4313e+00	2.4332e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8693e+00	3.8699e+00	1e+00	5e-01	3e-15	3e-02
3:	3.9978e+00	3.9978e+00	2e-02	6e-03	2e-15	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	6e-05	7e-16	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	6e-07	8e-16	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	6e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1973e+00	2.1947e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7306e+00	3.7290e+00	2e+00	6e-01	2e-15	6e-02
3:	3.9820e+00	3.9817e+00	1e-01	3e-02	1e-15	2e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0102e+00	3.0115e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9267e+00	3.9268e+00	5e-01	2e-01	1e-15	1e-02
3:	3.9993e+00	3.9993e+00	5e-03	2e-03	9e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	5e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3031e+00	2.3004e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9487e+00	3.9476e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9990e+00	3.9990e+00	1e-02	4e-03	9e-16	4e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	9e-16	4e-06



5:	4.0000e+00	4.0000e+00	1e-06	4e-07	7e-16	4e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6952e+00	2.6937e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9414e+00	3.9410e+00	7e-01	2e-01	3e-15	2e-02
3:	3.9994e+00	3.9994e+00	7e-03	2e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	5e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3832e+00	2.3849e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8968e+00	3.8973e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9918e+00	3.9918e+00	6e-02	2e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	3e-16	1e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7754e+00	1.7748e+00	6e+00	2e+00	3e-16	1e-01
2:	3.8533e+00	3.8531e+00	2e+00	5e-01	1e-15	4e-02
3:	3.8906e+00	3.8905e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9989e+00	3.9989e+00	5e-03	2e-03	4e-16	1e-04
5:	4.0000e+00	4.0000e+00	5e-05	2e-05	4e-16	1e-06
6:	4.0000e+00	4.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5397e+00	2.5387e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8632e+00	3.8629e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	9e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	4e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8507e+00	2.8514e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9561e+00	3.9562e+00	3e-01	1e-01	5e-15	8e-03
3:	3.9996e+00	3.9996e+00	3e-03	1e-03	6e-16	8e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	9e-16	8e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	8e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.7125e+00	1.7116e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5224e+00	3.5221e+00	1e+00	4e-01	9e-16	3e-02
3:	3.9516e+00	3.9515e+00	4e-01	1e-01	2e-15	1e-02
4:	3.9527e+00	3.9526e+00	1e-01	4e-02	5e-15	3e-03
5:	3.9995e+00	3.9995e+00	2e-03	5e-04	7e-16	4e-05
6:	4.0000e+00	4.0000e+00	2e-05	5e-06	1e-15	4e-07
7:	4.0000e+00	4.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7289e+00	2.7302e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9456e+00	3.9457e+00	6e-01	2e-01	2e-15	1e-02
3:	3.9994e+00	3.9994e+00	6e-03	2e-03	4e-16	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	8e-16	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5845e+00	2.5878e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8811e+00	3.8820e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9974e+00	3.9974e+00	2e-02	6e-03	9e-16	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	6e-05	7e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	6e-07	9e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2568e+00	2.2575e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7666e+00	3.7669e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9898e+00	3.9898e+00	6e-02	2e-02	3e-15	1e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	3e-16	1e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3788e+00	2.3781e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8621e+00	3.8618e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9970e+00	3.9970e+00	2e-02	8e-03	8e-16	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	8e-05	8e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	8e-07	8e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1192e+00	2.1163e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6503e+00	3.6483e+00	2e+00	7e-01	1e-15	6e-02
3:	3.9412e+00	3.9401e+00	3e-01	1e-01	1e-15	8e-03

4:	3.9994e+00	3.9994e+00	4e-03	1e-03	4e-16	9e-05
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	6e-16	9e-07
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	3e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7064e+00	2.7087e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8625e+00	3.8629e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9984e+00	3.9984e+00	1e-02	4e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	8e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7615e+00	2.7590e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9815e+00	3.9813e+00	3e-01	9e-02	3e-15	8e-03
3:	3.9998e+00	3.9998e+00	3e-03	9e-04	8e-16	8e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	8e-16	8e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6590e+00	2.6579e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8951e+00	3.8948e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9989e+00	3.9989e+00	1e-02	4e-03	5e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4163e+00	2.4143e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9501e+00	3.9497e+00	8e-01	3e-01	2e-15	2e-02
3:	3.9994e+00	3.9994e+00	8e-03	3e-03	9e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7223e+00	2.7205e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8922e+00	3.8918e+00	9e-01	3e-01	2e-15	2e-02
3:	3.9989e+00	3.9989e+00	1e-02	3e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5415e+00	2.5391e+00	6e+00	2e+00	2e-16	2e-01

2:	3.8733e+00	3.8725e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9986e+00	3.9986e+00	1e-02	4e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1126e+00	2.1092e+00	5e+00	2e+00	2e-16	2e-01
2:	3.8872e+00	3.8856e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9837e+00	3.9834e+00	7e-02	2e-02	4e-15	2e-03
4:	3.9998e+00	3.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5637e+00	2.5612e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9226e+00	3.9220e+00	9e-01	3e-01	2e-15	2e-02
3:	3.9992e+00	3.9992e+00	9e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5446e+00	2.5473e+00	6e+00	2e+00	2e-16	1e-01
2:	3.8110e+00	3.8120e+00	2e+00	6e-01	1e-15	4e-02
3:	3.9917e+00	3.9917e+00	5e-02	2e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.3907e+00	2.3877e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9069e+00	3.9059e+00	1e+00	3e-01	3e-15	3e-02
3:	3.9984e+00	3.9983e+00	1e-02	4e-03	2e-15	4e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	4e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5825e+00	2.5809e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8358e+00	3.8353e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9980e+00	3.9980e+00	2e-02	5e-03	1e-15	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7908e+00	2.7887e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9652e+00	3.9650e+00	3e-01	1e-01	4e-15	9e-03
3:	3.9996e+00	3.9996e+00	3e-03	1e-03	9e-16	9e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	6e-16	9e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2619e+00	2.2589e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9175e+00	3.9164e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9963e+00	3.9962e+00	2e-02	7e-03	2e-15	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	8e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	9e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.1527e+00	2.1496e+00	5e+00	2e+00	2e-16	2e-01
2:	3.6156e+00	3.6131e+00	2e+00	8e-01	1e-15	7e-02
3:	3.9582e+00	3.9572e+00	2e-01	7e-02	2e-15	6e-03
4:	3.9996e+00	3.9996e+00	2e-03	8e-04	5e-16	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	8e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4933e+00	2.4906e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9257e+00	3.9251e+00	9e-01	3e-01	2e-15	2e-02
3:	3.9990e+00	3.9990e+00	9e-03	3e-03	2e-15	3e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	2e-15	3e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5544e+00	2.5568e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8354e+00	3.8361e+00	2e+00	5e-01	3e-15	4e-02
3:	3.9970e+00	3.9970e+00	2e-02	7e-03	1e-15	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	9e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	6e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7824e+00	2.7814e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9681e+00	3.9680e+00	3e-01	1e-01	2e-15	8e-03

3:	3.9997e+00	3.9997e+00	3e-03	1e-03	8e-16	9e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	1e-15	9e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6042e+00	2.6074e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8731e+00	3.8738e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	9e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3204e+00	2.3197e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7560e+00	3.7558e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9831e+00	3.9830e+00	1e-01	3e-02	3e-15	2e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6258e+00	2.6239e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9382e+00	3.9378e+00	7e-01	2e-01	1e-15	2e-02
3:	3.9994e+00	3.9994e+00	7e-03	2e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5847e+00	2.5838e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8000e+00	3.7997e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9975e+00	3.9975e+00	2e-02	7e-03	2e-15	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	5e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	1e-15	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6316e+00	2.6323e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8223e+00	3.8225e+00	1e+00	5e-01	3e-15	4e-02
3:	3.9971e+00	3.9971e+00	2e-02	7e-03	2e-15	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	8e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	5e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9612e+00	2.9618e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9304e+00	3.9305e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9992e+00	3.9992e+00	6e-03	2e-03	1e-15	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0384e+00	2.0360e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6107e+00	3.6091e+00	2e+00	8e-01	1e-15	7e-02
3:	3.9577e+00	3.9571e+00	2e-01	7e-02	2e-15	6e-03
4:	3.9996e+00	3.9996e+00	2e-03	8e-04	4e-16	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	8e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4852e+00	2.4828e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9169e+00	3.9161e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9988e+00	3.9988e+00	1e-02	4e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6172e+00	2.6185e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9450e+00	3.9452e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9994e+00	3.9994e+00	7e-03	2e-03	8e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	4e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7936e+00	2.7930e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9398e+00	3.9397e+00	6e-01	2e-01	1e-15	2e-02
3:	3.9994e+00	3.9994e+00	6e-03	2e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5649e+00	2.5628e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8957e+00	3.8952e+00	9e-01	3e-01	3e-15	2e-02
3:	3.9989e+00	3.9989e+00	1e-02	3e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8965e+00	1.8942e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7971e+00	3.7960e+00	1e+00	4e-01	3e-15	3e-02
3:	3.7248e+00	3.7234e+00	8e-01	2e-01	3e-15	2e-02
4:	3.9956e+00	3.9956e+00	3e-02	9e-03	7e-16	8e-04
5:	4.0000e+00	4.0000e+00	3e-04	9e-05	8e-16	8e-06
6:	4.0000e+00	4.0000e+00	3e-06	9e-07	9e-16	8e-08
7:	4.0000e+00	4.0000e+00	3e-08	9e-09	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4303e+00	2.4273e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8076e+00	3.8065e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9944e+00	3.9943e+00	3e-02	1e-02	4e-15	9e-04
4:	3.9999e+00	3.9999e+00	3e-04	1e-04	5e-16	9e-06
5:	4.0000e+00	4.0000e+00	3e-06	1e-06	8e-16	9e-08
6:	4.0000e+00	4.0000e+00	3e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3137e+00	2.3146e+00	7e+00	2e+00	2e-16	2e-01
2:	3.7826e+00	3.7830e+00	2e+00	6e-01	1e-15	4e-02
3:	3.9908e+00	3.9908e+00	6e-02	2e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3432e+00	2.3407e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7467e+00	3.7455e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9931e+00	3.9930e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	3e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2846e+00	2.2874e+00	7e+00	2e+00	2e-16	2e-01
2:	3.6876e+00	3.6890e+00	2e+00	8e-01	2e-15	6e-02
3:	3.9786e+00	3.9788e+00	1e-01	4e-02	1e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	2.0067e+00	2.0045e+00	6e+00	2e+00	2e-16	2e-01
2:	3.5636e+00	3.5622e+00	3e+00	8e-01	1e-15	7e-02
3:	3.9395e+00	3.9388e+00	3e-01	1e-01	1e-15	8e-03
4:	3.9994e+00	3.9994e+00	4e-03	1e-03	4e-16	9e-05
5:	4.0000e+00	4.0000e+00	4e-05	1e-05	3e-16	9e-07
6:	4.0000e+00	4.0000e+00	4e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2319e+00	3.2323e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7770e+00	4.7772e+00	2e+00	6e-01	8e-16	4e-02
3:	4.9918e+00	4.9918e+00	4e-02	1e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0417e+00	3.0422e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6416e+00	4.6419e+00	2e+00	7e-01	2e-15	6e-02
3:	4.9831e+00	4.9831e+00	8e-02	3e-02	1e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8990e+00	2.8984e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7521e+00	4.7519e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9927e+00	4.9927e+00	4e-02	1e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8711e+00	2.8735e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6472e+00	4.6481e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9374e+00	4.9378e+00	3e-01	9e-02	3e-15	7e-03
4:	4.9993e+00	4.9993e+00	3e-03	1e-03	4e-16	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	3e-16	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3988e+00	3.4014e+00	6e+00	2e+00	3e-16	1e-01
2:	4.7194e+00	4.7204e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9819e+00	4.9821e+00	1e-01	3e-02	2e-15	3e-03

4:	4.9998e+00	4.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	2e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7732e+00	2.7702e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8311e+00	4.8300e+00	1e+00	4e-01	1e-15	4e-02
3:	4.9886e+00	4.9884e+00	5e-02	1e-02	4e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	1e-04	7e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	1e-06	8e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1340e+00	3.1340e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8962e+00	4.8962e+00	1e+00	3e-01	2e-15	2e-02
3:	4.9988e+00	4.9988e+00	1e-02	3e-03	8e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	6e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8001e+00	3.8002e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9822e+00	4.9822e+00	1e-01	4e-02	2e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	7e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	9e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7266e+00	2.7257e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8286e+00	4.8283e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9284e+00	4.9282e+00	3e-01	9e-02	2e-15	7e-03
4:	4.9992e+00	4.9992e+00	3e-03	1e-03	4e-16	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	4e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3780e+00	3.3803e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7955e+00	4.7961e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9975e+00	4.9975e+00	2e-02	5e-03	8e-16	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	2e-15	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4797e+00	3.4800e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8948e+00	4.8948e+00	7e-01	2e-01	2e-15	2e-02
3:	4.9989e+00	4.9989e+00	8e-03	2e-03	5e-16	2e-04
4:	5.0000e+00	5.0000e+00	8e-05	2e-05	4e-16	2e-06
5:	5.0000e+00	5.0000e+00	8e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5109e+00	2.5109e+00	6e+00	2e+00	3e-16	2e-01
2:	4.3849e+00	4.3849e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9181e+00	4.9181e+00	5e-01	2e-01	1e-15	1e-02
4:	4.9390e+00	4.9390e+00	2e-01	6e-02	5e-15	4e-03
5:	4.9993e+00	4.9993e+00	2e-03	7e-04	4e-16	6e-05
6:	5.0000e+00	5.0000e+00	2e-05	7e-06	7e-16	6e-07
7:	5.0000e+00	5.0000e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0902e+00	3.0909e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7069e+00	4.7072e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9923e+00	4.9923e+00	4e-02	1e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.8171e+00	2.8235e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6134e+00	4.6159e+00	2e+00	7e-01	1e-15	5e-02
3:	4.9512e+00	4.9520e+00	2e-01	8e-02	9e-16	6e-03
4:	4.9995e+00	4.9995e+00	3e-03	8e-04	4e-16	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	8e-06	3e-16	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4582e+00	3.4559e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9516e+00	4.9513e+00	4e-01	1e-01	4e-15	1e-02
3:	4.9995e+00	4.9995e+00	4e-03	1e-03	1e-15	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4745e+00	3.4750e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8745e+00	4.8746e+00	9e-01	3e-01	1e-15	2e-02

3:	4.9987e+00	4.9987e+00	9e-03	3e-03	8e-16	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	5e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	9e-16	2e-08
6:	5.0000e+00	5.0000e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3281e+00	3.3294e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8640e+00	4.8643e+00	1e+00	3e-01	1e-15	2e-02
3:	4.9977e+00	4.9977e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.4872e+00	2.4841e+00	5e+00	2e+00	2e-16	2e-01
2:	4.5903e+00	4.5886e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9604e+00	4.9595e+00	3e-01	8e-02	4e-15	7e-03
4:	4.9996e+00	4.9996e+00	3e-03	9e-04	9e-16	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	9e-06	7e-16	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9451e+00	2.9459e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7241e+00	4.7244e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9888e+00	4.9889e+00	6e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	6e-04	2e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	6e-06	2e-06	7e-16	1e-07
6:	5.0000e+00	5.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.2105e+00	3.2156e+00	6e+00	2e+00	3e-16	1e-01
2:	4.7911e+00	4.7927e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9927e+00	4.9928e+00	4e-02	1e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9180e+00	2.9195e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7373e+00	4.7379e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9644e+00	4.9645e+00	2e-01	6e-02	1e-15	4e-03
4:	4.9996e+00	4.9996e+00	2e-03	6e-04	4e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	4e-16	5e-07

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6: 5.0000e+00 5.0000e+00 2e-07 6e-08 4e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7909e+00 3.7920e+00 5e+00 2e+00 3e-16 1e-01
2: 4.9741e+00 4.9742e+00 2e-01 5e-02 1e-15 4e-03
3: 4.9997e+00 4.9997e+00 2e-03 5e-04 8e-16 4e-05
4: 5.0000e+00 5.0000e+00 2e-05 5e-06 8e-16 4e-07
5: 5.0000e+00 5.0000e+00 2e-07 5e-08 5e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.3777e+00 2.3780e+00 6e+00 2e+00 3e-16 2e-01
2: 4.7307e+00 4.7307e+00 1e+00 3e-01 2e-15 3e-02
3: 4.9760e+00 4.9760e+00 3e-01 9e-02 2e-15 7e-03
4: 4.9984e+00 4.9984e+00 7e-03 2e-03 3e-15 2e-04
5: 5.0000e+00 5.0000e+00 7e-05 2e-05 2e-15 2e-06
6: 5.0000e+00 5.0000e+00 7e-07 2e-07 2e-15 2e-08
7: 5.0000e+00 5.0000e+00 7e-09 2e-09 2e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.9329e+00 2.9335e+00 7e+00 2e+00 2e-16 2e-01
2: 4.6559e+00 4.6562e+00 2e+00 6e-01 1e-15 5e-02
3: 4.9498e+00 4.9499e+00 2e-01 7e-02 1e-15 5e-03
4: 4.9995e+00 4.9995e+00 2e-03 7e-04 4e-16 6e-05
5: 5.0000e+00 5.0000e+00 2e-05 7e-06 5e-16 6e-07
6: 5.0000e+00 5.0000e+00 2e-07 7e-08 4e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2496e+00 3.2490e+00 6e+00 2e+00 3e-16 2e-01
2: 4.6933e+00 4.6931e+00 2e+00 5e-01 1e-15 4e-02
3: 4.9821e+00 4.9820e+00 1e-01 3e-02 3e-15 2e-03
4: 4.9998e+00 4.9998e+00 1e-03 3e-04 3e-16 3e-05
5: 5.0000e+00 5.0000e+00 1e-05 3e-06 4e-16 3e-07
6: 5.0000e+00 5.0000e+00 1e-07 3e-08 4e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8349e+00 2.8372e+00 7e+00 2e+00 2e-16 2e-01
2: 4.6829e+00 4.6838e+00 2e+00 7e-01 6e-16 5e-02
3: 4.9849e+00 4.9849e+00 7e-02 2e-02 2e-15 2e-03
4: 4.9998e+00 4.9998e+00 7e-04 2e-04 6e-16 2e-05
5: 5.0000e+00 5.0000e+00 7e-06 2e-06 5e-16 2e-07
6: 5.0000e+00 5.0000e+00 7e-08 2e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7349e+00	3.7342e+00	6e+00	2e+00	4e-16	1e-01
2:	4.9543e+00	4.9543e+00	3e-01	9e-02	2e-15	7e-03
3:	4.9995e+00	4.9995e+00	3e-03	9e-04	7e-16	7e-05
4:	5.0000e+00	5.0000e+00	3e-05	9e-06	1e-15	7e-07
5:	5.0000e+00	5.0000e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4853e+00	2.4863e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6610e+00	4.6614e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9428e+00	4.9430e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9958e+00	4.9958e+00	2e-02	5e-03	6e-15	4e-04
5:	5.0000e+00	5.0000e+00	2e-04	5e-05	7e-16	4e-06
6:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
7:	5.0000e+00	5.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5893e+00	3.5928e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9388e+00	4.9392e+00	5e-01	1e-01	9e-16	1e-02
3:	4.9993e+00	4.9993e+00	5e-03	2e-03	1e-15	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1732e+00	3.1727e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6879e+00	4.6877e+00	2e+00	6e-01	6e-16	5e-02
3:	4.9956e+00	4.9956e+00	3e-02	9e-03	1e-15	8e-04
4:	5.0000e+00	5.0000e+00	3e-04	9e-05	4e-16	8e-06
5:	5.0000e+00	5.0000e+00	3e-06	9e-07	5e-16	8e-08
6:	5.0000e+00	5.0000e+00	3e-08	9e-09	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3171e+00	3.3201e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7640e+00	4.7648e+00	1e+00	5e-01	2e-15	3e-02
3:	4.9969e+00	4.9969e+00	2e-02	6e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	5e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	4e-16	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6361e+00	2.6363e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7293e+00	4.7294e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9380e+00	4.9381e+00	2e-01	7e-02	2e-15	5e-03

4:	4.9994e+00	4.9994e+00	2e-03	7e-04	5e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	5e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.9295e+00	2.9373e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8074e+00	4.8094e+00	1e+00	5e-01	1e-15	3e-02
3:	4.9440e+00	4.9446e+00	2e-01	6e-02	2e-15	5e-03
4:	4.9994e+00	4.9994e+00	2e-03	7e-04	4e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	6e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2974e+00	3.3018e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7557e+00	4.7570e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9950e+00	4.9951e+00	3e-02	8e-03	1e-15	6e-04
4:	5.0000e+00	5.0000e+00	3e-04	8e-05	9e-16	6e-06
5:	5.0000e+00	5.0000e+00	3e-06	8e-07	7e-16	6e-08
6:	5.0000e+00	5.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7853e+00	2.7848e+00	6e+00	2e+00	4e-16	2e-01
2:	4.7715e+00	4.7714e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9772e+00	4.9771e+00	1e-01	3e-02	3e-15	2e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	6e-16	2e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	7e-16	2e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4997e+00	2.5013e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6026e+00	4.6031e+00	1e+00	5e-01	7e-16	4e-02
3:	4.9405e+00	4.9407e+00	4e-01	1e-01	2e-15	9e-03
4:	4.9959e+00	4.9959e+00	2e-02	5e-03	2e-15	4e-04
5:	5.0000e+00	5.0000e+00	2e-04	5e-05	8e-16	4e-06
6:	5.0000e+00	5.0000e+00	2e-06	5e-07	8e-16	4e-08
7:	5.0000e+00	5.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7322e+00	3.7329e+00	5e+00	2e+00	2e-16	1e-01
2:	4.9723e+00	4.9724e+00	2e-01	6e-02	2e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	6e-04	9e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	6e-06	7e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6153e+00	3.6164e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9258e+00	4.9259e+00	5e-01	1e-01	2e-15	1e-02
3:	4.9993e+00	4.9993e+00	5e-03	1e-03	9e-16	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	1e-05	2e-15	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6604e+00	2.6635e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8273e+00	4.8282e+00	2e+00	5e-01	6e-16	4e-02
3:	4.9798e+00	4.9799e+00	8e-02	2e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	8e-04	2e-04	6e-16	2e-05
5:	5.0000e+00	5.0000e+00	8e-06	2e-06	6e-16	2e-07
6:	5.0000e+00	5.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9656e+00	2.9659e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7578e+00	4.7579e+00	2e+00	6e-01	1e-15	4e-02
3:	4.9945e+00	4.9945e+00	3e-02	1e-02	2e-15	8e-04
4:	4.9999e+00	4.9999e+00	3e-04	1e-04	4e-16	8e-06
5:	5.0000e+00	5.0000e+00	3e-06	1e-06	6e-16	8e-08
6:	5.0000e+00	5.0000e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1875e+00	3.1862e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7441e+00	4.7437e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9949e+00	4.9949e+00	3e-02	9e-03	1e-15	7e-04
4:	4.9999e+00	4.9999e+00	3e-04	9e-05	6e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	9e-07	5e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5551e+00	3.5547e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9532e+00	4.9532e+00	4e-01	1e-01	5e-15	9e-03
3:	4.9995e+00	4.9995e+00	4e-03	1e-03	6e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2174e+00	3.2186e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6542e+00	4.6547e+00	2e+00	6e-01	1e-15	5e-02



3:	4.9915e+00	4.9915e+00	5e-02	2e-02	8e-16	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2710e+00	3.2710e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8682e+00	4.8682e+00	1e+00	3e-01	2e-15	2e-02
3:	4.9986e+00	4.9986e+00	1e-02	3e-03	8e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0394e+00	3.0398e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8223e+00	4.8224e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9967e+00	4.9967e+00	2e-02	7e-03	8e-16	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	7e-05	7e-16	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	7e-07	7e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	7e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5880e+00	3.5884e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9738e+00	4.9738e+00	2e-01	7e-02	3e-15	5e-03
3:	4.9997e+00	4.9997e+00	2e-03	7e-04	6e-16	5e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	8e-16	5e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7015e+00	2.7001e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8385e+00	4.8379e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9852e+00	4.9852e+00	7e-02	2e-02	2e-15	2e-03
4:	4.9999e+00	4.9999e+00	7e-04	2e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	5.0000e+00	5.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4717e+00	3.4722e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9247e+00	4.9248e+00	5e-01	2e-01	2e-15	1e-02
3:	4.9992e+00	4.9992e+00	5e-03	2e-03	1e-15	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4055e+00	3.4047e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7875e+00	4.7873e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9968e+00	4.9968e+00	2e-02	6e-03	2e-15	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	4e-16	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1829e+00	3.1816e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9139e+00	4.9136e+00	9e-01	3e-01	2e-15	2e-02
3:	4.9990e+00	4.9990e+00	1e-02	3e-03	8e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7967e+00	3.7995e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6552e+00	5.6562e+00	2e+00	6e-01	1e-15	4e-02
3:	5.9916e+00	5.9916e+00	4e-02	1e-02	1e-15	9e-04
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	5e-16	9e-06
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6705e+00	3.6704e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7029e+00	5.7029e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9823e+00	5.9823e+00	7e-02	2e-02	3e-15	2e-03
4:	5.9998e+00	5.9998e+00	7e-04	2e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2279e+00	2.2305e+00	6e+00	2e+00	2e-16	2e-01
2:	4.0803e+00	4.0815e+00	2e+00	6e-01	1e-15	5e-02
3:	4.7068e+00	4.7071e+00	4e-01	1e-01	6e-16	1e-02
4:	4.8506e+00	4.8506e+00	8e-02	3e-02	6e-16	2e-03
5:	4.8824e+00	4.8824e+00	7e-03	2e-03	1e-15	2e-04
6:	4.8848e+00	4.8848e+00	7e-05	2e-05	1e-15	2e-06
7:	4.8849e+00	4.8849e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1898e+00	3.1933e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6223e+00	5.6234e+00	1e+00	5e-01	1e-15	3e-02

3:	5.9292e+00	5.9297e+00	5e-01	2e-01	2e-15	1e-02
4:	5.9963e+00	5.9963e+00	1e-02	5e-03	3e-15	4e-04
5:	6.0000e+00	6.0000e+00	1e-04	5e-05	9e-16	4e-06
6:	6.0000e+00	6.0000e+00	1e-06	5e-07	7e-16	4e-08
7:	6.0000e+00	6.0000e+00	1e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9316e+00	3.9354e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7897e+00	5.7907e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9968e+00	5.9968e+00	2e-02	5e-03	2e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1350e+00	3.1342e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7616e+00	5.7613e+00	1e+00	4e-01	2e-15	4e-02
3:	5.9501e+00	5.9500e+00	2e-01	5e-02	5e-15	4e-03
4:	5.9995e+00	5.9995e+00	2e-03	5e-04	5e-16	4e-05
5:	6.0000e+00	6.0000e+00	2e-05	5e-06	7e-16	4e-07
6:	6.0000e+00	6.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.7999e+00	2.7965e+00	5e+00	2e+00	3e-16	2e-01
2:	5.0276e+00	5.0263e+00	1e+00	4e-01	3e-15	4e-02
3:	5.5845e+00	5.5836e+00	4e-01	1e-01	2e-15	1e-02
4:	5.6916e+00	5.6912e+00	1e-01	4e-02	1e-15	4e-03
5:	5.7429e+00	5.7428e+00	2e-02	5e-03	1e-15	4e-04
6:	5.7483e+00	5.7483e+00	2e-03	6e-04	1e-15	6e-05
7:	5.7490e+00	5.7490e+00	2e-05	7e-06	3e-15	6e-07
8:	5.7490e+00	5.7490e+00	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6697e+00	3.6689e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6671e+00	5.6668e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9911e+00	5.9911e+00	4e-02	1e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	9e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5698e+00	3.5723e+00	7e+00	2e+00	4e-16	2e-01
2:	5.7602e+00	5.7610e+00	2e+00	5e-01	2e-15	4e-02

3:	5.9929e+00	5.9929e+00	3e-02	1e-02	1e-15	8e-04
4:	5.9999e+00	5.9999e+00	3e-04	1e-04	8e-16	8e-06
5:	6.0000e+00	6.0000e+00	3e-06	1e-06	6e-16	8e-08
6:	6.0000e+00	6.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1542e+00	3.1566e+00	6e+00	2e+00	2e-16	1e-01
2:	5.7766e+00	5.7773e+00	1e+00	3e-01	1e-15	3e-02
3:	5.8684e+00	5.8689e+00	4e-01	1e-01	4e-15	9e-03
4:	5.9983e+00	5.9983e+00	5e-03	2e-03	6e-16	1e-04
5:	6.0000e+00	6.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	6.0000e+00	6.0000e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0513e+00	4.0544e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8780e+00	5.8785e+00	7e-01	2e-01	3e-15	2e-02
3:	5.9987e+00	5.9987e+00	8e-03	2e-03	7e-16	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	2e-05	9e-16	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2984e+00	3.2965e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5247e+00	5.5240e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9282e+00	5.9278e+00	4e-01	1e-01	3e-15	1e-02
4:	5.9961e+00	5.9961e+00	1e-02	4e-03	2e-15	3e-04
5:	6.0000e+00	6.0000e+00	1e-04	4e-05	8e-16	3e-06
6:	6.0000e+00	6.0000e+00	1e-06	4e-07	5e-16	3e-08
7:	6.0000e+00	6.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5737e+00	3.5744e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7050e+00	5.7052e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9916e+00	5.9916e+00	4e-02	1e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0307e+00	4.0297e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8614e+00	5.8612e+00	8e-01	2e-01	2e-15	2e-02
3:	5.9975e+00	5.9975e+00	1e-02	4e-03	2e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	1e-15	3e-08

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6: 6.0000e+00 6.0000e+00 1e-08 4e-09 9e-16 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.4182e+00 3.4169e+00 6e+00 2e+00 3e-16 1e-01
2: 5.7279e+00 5.7275e+00 1e+00 3e-01 1e-15 3e-02
3: 5.9359e+00 5.9357e+00 2e-01 7e-02 4e-15 6e-03
4: 5.9993e+00 5.9993e+00 3e-03 9e-04 4e-16 8e-05
5: 6.0000e+00 6.0000e+00 3e-05 9e-06 8e-16 8e-07
6: 6.0000e+00 6.0000e+00 3e-07 9e-08 1e-15 8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.4639e+00 3.4649e+00 6e+00 2e+00 3e-16 2e-01
2: 5.5154e+00 5.5159e+00 2e+00 7e-01 1e-15 6e-02
3: 5.9595e+00 5.9596e+00 2e-01 5e-02 1e-15 4e-03
4: 5.9996e+00 5.9996e+00 2e-03 5e-04 3e-16 4e-05
5: 6.0000e+00 6.0000e+00 2e-05 5e-06 3e-16 4e-07
6: 6.0000e+00 6.0000e+00 2e-07 5e-08 4e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8712e+00 3.8727e+00 7e+00 2e+00 2e-16 2e-01
2: 5.6581e+00 5.6585e+00 2e+00 5e-01 3e-15 4e-02
3: 5.9821e+00 5.9822e+00 8e-02 3e-02 2e-15 2e-03
4: 5.9998e+00 5.9998e+00 8e-04 3e-04 5e-16 2e-05
5: 6.0000e+00 6.0000e+00 8e-06 3e-06 3e-16 2e-07
6: 6.0000e+00 6.0000e+00 8e-08 3e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8840e+00 3.8844e+00 6e+00 2e+00 2e-16 1e-01
2: 5.6035e+00 5.6037e+00 2e+00 6e-01 8e-16 4e-02
3: 5.9650e+00 5.9650e+00 2e-01 5e-02 1e-15 4e-03
4: 5.9996e+00 5.9996e+00 2e-03 5e-04 3e-16 4e-05
5: 6.0000e+00 6.0000e+00 2e-05 5e-06 3e-16 4e-07
6: 6.0000e+00 6.0000e+00 2e-07 5e-08 5e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9230e+00 3.9252e+00 7e+00 2e+00 3e-16 2e-01
2: 5.7964e+00 5.7970e+00 1e+00 4e-01 2e-15 3e-02
3: 5.9961e+00 5.9961e+00 2e-02 6e-03 2e-15 5e-04
4: 6.0000e+00 6.0000e+00 2e-04 6e-05 6e-16 5e-06
5: 6.0000e+00 6.0000e+00 2e-06 6e-07 8e-16 5e-08
6: 6.0000e+00 6.0000e+00 2e-08 6e-09 1e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4353e+00	3.4377e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7135e+00	5.7142e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9636e+00	5.9638e+00	1e-01	4e-02	4e-15	3e-03
4:	5.9996e+00	5.9996e+00	1e-03	4e-04	4e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.9197e+00	2.9269e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6849e+00	5.6873e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9510e+00	5.9518e+00	3e-01	9e-02	3e-15	7e-03
4:	5.9990e+00	5.9990e+00	5e-03	2e-03	1e-15	1e-04
5:	6.0000e+00	6.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	6.0000e+00	6.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3191e+00	3.3169e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6447e+00	5.6436e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9886e+00	5.9885e+00	6e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	7e-16	1e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6491e+00	3.6508e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8305e+00	5.8310e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9872e+00	5.9872e+00	5e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9461e+00	3.9503e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5975e+00	5.5991e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9854e+00	5.9856e+00	6e-02	2e-02	9e-16	2e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0521e+00	4.0552e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8054e+00	5.8060e+00	1e+00	3e-01	2e-15	2e-02

3:	5.9976e+00	5.9976e+00	1e-02	4e-03	8e-16	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7843e+00	3.7868e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6397e+00	5.6407e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9903e+00	5.9904e+00	4e-02	1e-02	1e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9808e+00	3.9792e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6726e+00	5.6720e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9956e+00	5.9956e+00	2e-02	7e-03	2e-15	6e-04
4:	6.0000e+00	6.0000e+00	2e-04	7e-05	9e-16	6e-06
5:	6.0000e+00	6.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	6.0000e+00	6.0000e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1192e+00	4.1200e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7692e+00	5.7693e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9963e+00	5.9963e+00	2e-02	6e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	1e-15	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	2e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5350e+00	3.5353e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7550e+00	5.7551e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9917e+00	5.9917e+00	3e-02	1e-02	2e-15	9e-04
4:	5.9999e+00	5.9999e+00	3e-04	1e-04	8e-16	9e-06
5:	6.0000e+00	6.0000e+00	3e-06	1e-06	7e-16	9e-08
6:	6.0000e+00	6.0000e+00	3e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0370e+00	3.0371e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6153e+00	5.6153e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9472e+00	5.9472e+00	3e-01	8e-02	3e-15	7e-03
4:	5.9994e+00	5.9994e+00	4e-03	1e-03	1e-15	9e-05
5:	6.0000e+00	6.0000e+00	4e-05	1e-05	1e-15	9e-07
6:	6.0000e+00	6.0000e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0811e+00	4.0814e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7303e+00	5.7304e+00	1e+00	5e-01	1e-15	4e-02
3:	5.9966e+00	5.9966e+00	2e-02	6e-03	1e-15	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	6e-16	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8732e+00	3.8730e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6188e+00	5.6187e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9931e+00	5.9931e+00	4e-02	1e-02	1e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2487e+00	3.2490e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8867e+00	4.8867e+00	1e+00	4e-01	8e-16	3e-02
3:	5.4978e+00	5.4978e+00	2e-01	7e-02	1e-15	5e-03
4:	5.5625e+00	5.5625e+00	4e-02	1e-02	9e-16	9e-04
5:	5.5764e+00	5.5764e+00	6e-03	2e-03	1e-15	1e-04
6:	5.5789e+00	5.5789e+00	2e-04	8e-05	2e-15	6e-06
7:	5.5790e+00	5.5790e+00	2e-06	8e-07	2e-15	6e-08
8:	5.5790e+00	5.5790e+00	2e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5711e+00	3.5705e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7046e+00	5.7044e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9900e+00	5.9900e+00	5e-02	1e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	1e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	1e-06	6e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6208e+00	2.6194e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5589e+00	5.5584e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9879e+00	5.9879e+00	1e-01	5e-02	1e-15	4e-03
4:	5.9888e+00	5.9888e+00	3e-02	9e-03	4e-14	8e-04
5:	5.9999e+00	5.9999e+00	3e-04	1e-04	1e-15	9e-06
6:	6.0000e+00	6.0000e+00	3e-06	1e-06	3e-15	9e-08
7:	6.0000e+00	6.0000e+00	3e-08	1e-08	2e-15	9e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.2890e+00	3.2945e+00	6e+00	2e+00	3e-16	1e-01
2:	5.7349e+00	5.7368e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9620e+00	5.9623e+00	1e-01	4e-02	4e-15	3e-03
4:	5.9996e+00	5.9996e+00	1e-03	4e-04	5e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2521e+00	3.2532e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6657e+00	5.6662e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9744e+00	5.9744e+00	1e-01	3e-02	2e-15	2e-03
4:	5.9997e+00	5.9997e+00	1e-03	3e-04	4e-16	2e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2459e+00	2.2482e+00	7e+00	2e+00	3e-16	2e-01
2:	4.6129e+00	4.6136e+00	1e+00	5e-01	6e-16	3e-02
3:	5.1720e+00	5.1723e+00	5e-01	1e-01	8e-16	1e-02
4:	5.3228e+00	5.3229e+00	9e-02	3e-02	1e-15	2e-03
5:	5.3583e+00	5.3583e+00	2e-02	5e-03	5e-15	4e-04
6:	5.3629e+00	5.3629e+00	3e-03	1e-03	1e-14	8e-05
7:	5.3643e+00	5.3643e+00	1e-04	3e-05	1e-15	3e-06
8:	5.3644e+00	5.3644e+00	1e-06	3e-07	6e-15	3e-08
9:	5.3644e+00	5.3644e+00	1e-08	3e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2521e+00	4.2537e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8723e+00	5.8726e+00	7e-01	2e-01	1e-15	2e-02
3:	5.9986e+00	5.9986e+00	8e-03	2e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4484e+00	3.4531e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8048e+00	5.8063e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9615e+00	5.9618e+00	1e-01	4e-02	3e-15	3e-03
4:	5.9996e+00	5.9996e+00	1e-03	4e-04	5e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3231e+00	4.3246e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9349e+00	5.9350e+00	4e-01	1e-01	2e-15	9e-03
3:	5.9993e+00	5.9993e+00	4e-03	1e-03	9e-16	9e-05
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2796e+00	3.2805e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6058e+00	5.6062e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9362e+00	5.9363e+00	2e-01	8e-02	2e-15	6e-03
4:	5.9993e+00	5.9993e+00	3e-03	8e-04	5e-16	6e-05
5:	6.0000e+00	6.0000e+00	3e-05	8e-06	4e-16	6e-07
6:	6.0000e+00	6.0000e+00	3e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9439e+00	2.9419e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2176e+00	5.2169e+00	1e+00	4e-01	2e-15	3e-02
3:	5.6913e+00	5.6910e+00	4e-01	1e-01	1e-15	1e-02
4:	5.8120e+00	5.8118e+00	1e-01	3e-02	2e-15	3e-03
5:	5.8499e+00	5.8499e+00	9e-03	3e-03	1e-15	2e-04
6:	5.8538e+00	5.8538e+00	7e-04	2e-04	9e-16	2e-05
7:	5.8541e+00	5.8541e+00	8e-06	3e-06	1e-15	2e-07
8:	5.8541e+00	5.8541e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6951e+00	2.6919e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3405e+00	5.3393e+00	1e+00	3e-01	2e-15	3e-02
3:	5.8918e+00	5.8915e+00	2e-01	6e-02	1e-15	5e-03
4:	5.9689e+00	5.9689e+00	3e-02	1e-02	4e-15	9e-04
5:	5.9850e+00	5.9850e+00	2e-03	6e-04	2e-14	6e-05
6:	5.9861e+00	5.9861e+00	2e-05	7e-06	4e-15	6e-07
7:	5.9861e+00	5.9861e+00	2e-07	7e-08	8e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9874e+00	3.9908e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6723e+00	5.6734e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9888e+00	5.9889e+00	5e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.4238e+00	3.4216e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5682e+00	5.5672e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9782e+00	5.9780e+00	1e-01	3e-02	2e-15	3e-03
4:	5.9998e+00	5.9998e+00	1e-03	3e-04	5e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	6e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5280e+00	2.5272e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9406e+00	4.9404e+00	1e+00	3e-01	2e-15	3e-02
3:	5.3531e+00	5.3531e+00	3e-01	8e-02	2e-15	7e-03
4:	5.4704e+00	5.4704e+00	5e-02	2e-02	1e-15	1e-03
5:	5.4905e+00	5.4905e+00	9e-03	3e-03	1e-15	2e-04
6:	5.4944e+00	5.4944e+00	1e-04	3e-05	2e-15	3e-06
7:	5.4944e+00	5.4944e+00	1e-06	3e-07	2e-15	3e-08
8:	5.4944e+00	5.4944e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1772e+00	4.1766e+00	6e+00	2e+00	4e-16	2e-01
2:	5.8333e+00	5.8332e+00	9e-01	3e-01	1e-15	2e-02
3:	5.9979e+00	5.9979e+00	1e-02	3e-03	1e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5418e+00	3.5441e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7285e+00	5.7293e+00	2e+00	5e-01	9e-16	4e-02
3:	5.9898e+00	5.9898e+00	5e-02	1e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	1e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	1e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1456e+00	4.1457e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7112e+00	5.7113e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9952e+00	5.9952e+00	2e-02	8e-03	1e-15	6e-04
4:	6.0000e+00	6.0000e+00	2e-04	8e-05	7e-16	6e-06
5:	6.0000e+00	6.0000e+00	2e-06	8e-07	9e-16	6e-08
6:	6.0000e+00	6.0000e+00	2e-08	8e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8347e+00	4.8367e+00	6e+00	2e+00	3e-16	1e-01
2:	6.6389e+00	6.6395e+00	2e+00	5e-01	2e-15	4e-02

3:	6.9905e+00	6.9905e+00	4e-02	1e-02	9e-16	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	4e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1690e+00	4.1675e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4523e+00	6.4515e+00	2e+00	6e-01	2e-15	5e-02
3:	6.9738e+00	6.9737e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7854e+00	3.7897e+00	6e+00	2e+00	2e-16	2e-01
2:	6.1971e+00	6.1990e+00	2e+00	6e-01	2e-15	4e-02
3:	6.8619e+00	6.8625e+00	6e-01	2e-01	8e-16	1e-02
4:	6.9598e+00	6.9601e+00	1e-01	4e-02	6e-15	3e-03
5:	6.9996e+00	6.9996e+00	1e-03	5e-04	7e-16	4e-05
6:	7.0000e+00	7.0000e+00	1e-05	5e-06	9e-16	4e-07
7:	7.0000e+00	7.0000e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.2460e+00	3.2532e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5348e+00	6.5370e+00	2e+00	5e-01	2e-15	3e-02
3:	6.9362e+00	6.9370e+00	4e-01	1e-01	1e-15	1e-02
4:	6.9916e+00	6.9917e+00	3e-02	8e-03	5e-15	6e-04
5:	6.9999e+00	6.9999e+00	3e-04	8e-05	8e-16	6e-06
6:	7.0000e+00	7.0000e+00	3e-06	8e-07	1e-15	6e-08
7:	7.0000e+00	7.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7787e+00	4.7798e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5361e+00	6.5365e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9863e+00	6.9864e+00	6e-02	2e-02	1e-15	2e-03
4:	6.9999e+00	6.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9710e+00	3.9727e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4013e+00	6.4021e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9322e+00	6.9325e+00	4e-01	1e-01	2e-15	9e-03

4:	6.9989e+00	6.9989e+00	5e-03	2e-03	1e-15	1e-04
5:	7.0000e+00	7.0000e+00	5e-05	2e-05	9e-16	1e-06
6:	7.0000e+00	7.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5936e+00	3.5948e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8610e+00	5.8615e+00	2e+00	7e-01	2e-15	5e-02
3:	6.7055e+00	6.7056e+00	6e-01	2e-01	2e-15	1e-02
4:	6.9392e+00	6.9392e+00	9e-02	3e-02	2e-15	2e-03
5:	6.9705e+00	6.9705e+00	2e-02	6e-03	1e-14	5e-04
6:	6.9784e+00	6.9784e+00	3e-03	1e-03	2e-14	9e-05
7:	6.9801e+00	6.9801e+00	5e-05	1e-05	1e-15	1e-06
8:	6.9801e+00	6.9801e+00	5e-07	1e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9347e+00	4.9367e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8245e+00	6.8248e+00	8e-01	3e-01	2e-15	2e-02
3:	6.9970e+00	6.9970e+00	1e-02	4e-03	2e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	8e-16	3e-08
6:	7.0000e+00	7.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9960e+00	4.9961e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8481e+00	6.8481e+00	7e-01	2e-01	1e-15	2e-02
3:	6.9980e+00	6.9980e+00	9e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	9e-05	3e-05	7e-16	2e-06
5:	7.0000e+00	7.0000e+00	9e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0142e+00	4.0168e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4817e+00	6.4828e+00	2e+00	6e-01	8e-16	5e-02
3:	6.9347e+00	6.9350e+00	3e-01	1e-01	2e-15	8e-03
4:	6.9990e+00	6.9990e+00	5e-03	1e-03	1e-15	1e-04
5:	7.0000e+00	7.0000e+00	5e-05	1e-05	1e-15	1e-06
6:	7.0000e+00	7.0000e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4403e+00	4.4464e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7378e+00	6.7392e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9947e+00	6.9947e+00	2e-02	7e-03	1e-15	5e-04
4:	6.9999e+00	6.9999e+00	2e-04	7e-05	7e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	8e-16	5e-08

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6: 7.0000e+00 7.0000e+00 2e-08 7e-09 9e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.1605e+00 4.1643e+00 7e+00 2e+00 3e-16 2e-01
2: 6.7060e+00 6.7072e+00 2e+00 5e-01 2e-15 4e-02
3: 6.9931e+00 6.9931e+00 3e-02 9e-03 2e-15 7e-04
4: 6.9999e+00 6.9999e+00 3e-04 9e-05 9e-16 7e-06
5: 7.0000e+00 7.0000e+00 3e-06 9e-07 8e-16 7e-08
6: 7.0000e+00 7.0000e+00 3e-08 9e-09 6e-16 7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2286e+00 3.2302e+00 7e+00 2e+00 2e-16 2e-01
2: 5.9841e+00 5.9847e+00 2e+00 5e-01 1e-15 4e-02
3: 6.5213e+00 6.5215e+00 4e-01 1e-01 8e-16 1e-02
4: 6.6686e+00 6.6687e+00 7e-02 2e-02 1e-15 2e-03
5: 6.6984e+00 6.6984e+00 8e-03 2e-03 2e-15 2e-04
6: 6.7014e+00 6.7014e+00 2e-04 5e-05 2e-14 4e-06
7: 6.7015e+00 6.7015e+00 2e-06 5e-07 6e-15 4e-08
8: 6.7015e+00 6.7015e+00 2e-08 5e-09 7e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.5660e+00 4.5680e+00 7e+00 2e+00 2e-16 2e-01
2: 6.7781e+00 6.7786e+00 1e+00 4e-01 1e-15 3e-02
3: 6.9952e+00 6.9952e+00 2e-02 7e-03 1e-15 5e-04
4: 7.0000e+00 7.0000e+00 2e-04 7e-05 9e-16 5e-06
5: 7.0000e+00 7.0000e+00 2e-06 7e-07 8e-16 5e-08
6: 7.0000e+00 7.0000e+00 2e-08 7e-09 6e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.4313e+00 4.4307e+00 6e+00 2e+00 2e-16 2e-01
2: 6.6186e+00 6.6183e+00 2e+00 5e-01 2e-15 4e-02
3: 6.9929e+00 6.9929e+00 3e-02 1e-02 2e-15 8e-04
4: 6.9999e+00 6.9999e+00 3e-04 1e-04 5e-16 8e-06
5: 7.0000e+00 7.0000e+00 3e-06 1e-06 6e-16 8e-08
6: 7.0000e+00 7.0000e+00 3e-08 1e-08 4e-16 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.6258e+00 4.6284e+00 7e+00 2e+00 2e-16 2e-01
2: 6.8179e+00 6.8184e+00 9e-01 3e-01 3e-15 2e-02
3: 6.9979e+00 6.9979e+00 1e-02 3e-03 6e-16 3e-04
4: 7.0000e+00 7.0000e+00 1e-04 3e-05 7e-16 3e-06
5: 7.0000e+00 7.0000e+00 1e-06 3e-07 8e-16 3e-08
Terminated (singular KKT matrix).

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	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8984e+00	4.9000e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8951e+00	6.8953e+00	6e-01	2e-01	2e-15	1e-02
3:	6.9988e+00	6.9988e+00	6e-03	2e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	7e-16	1e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8777e+00	2.8777e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9909e+00	5.9909e+00	1e+00	4e-01	1e-15	3e-02
3:	6.4505e+00	6.4505e+00	2e-01	8e-02	2e-15	6e-03
4:	6.5356e+00	6.5356e+00	7e-02	2e-02	1e-15	2e-03
5:	6.5614e+00	6.5614e+00	5e-03	2e-03	2e-15	1e-04
6:	6.5632e+00	6.5632e+00	8e-05	3e-05	8e-15	2e-06
7:	6.5632e+00	6.5632e+00	8e-07	3e-07	5e-15	2e-08
8:	6.5632e+00	6.5632e+00	8e-09	3e-09	6e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7107e+00	3.7086e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5537e+00	6.5528e+00	1e+00	5e-01	1e-15	4e-02
3:	6.9165e+00	6.9162e+00	3e-01	1e-01	4e-15	8e-03
4:	6.9873e+00	6.9873e+00	6e-02	2e-02	7e-15	2e-03
5:	6.9998e+00	6.9998e+00	1e-03	3e-04	4e-15	3e-05
6:	7.0000e+00	7.0000e+00	1e-05	3e-06	3e-15	3e-07
7:	7.0000e+00	7.0000e+00	1e-07	3e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5404e+00	4.5443e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6141e+00	6.6154e+00	2e+00	6e-01	9e-16	4e-02
3:	6.9836e+00	6.9837e+00	6e-02	2e-02	2e-15	1e-03
4:	6.9998e+00	6.9998e+00	6e-04	2e-04	3e-16	1e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8376e+00	4.8388e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8492e+00	6.8494e+00	8e-01	2e-01	1e-15	2e-02
3:	6.9980e+00	6.9981e+00	1e-02	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	1e-04	3e-05	7e-16	2e-06
5:	7.0000e+00	7.0000e+00	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.1691e+00	4.1719e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6495e+00	6.6504e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9685e+00	6.9686e+00	9e-02	3e-02	4e-15	2e-03
4:	6.9997e+00	6.9997e+00	9e-04	3e-04	6e-16	2e-05
5:	7.0000e+00	7.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	7.0000e+00	7.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.4925e+00	3.4981e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5803e+00	5.5825e+00	2e+00	6e-01	1e-15	4e-02
3:	6.2954e+00	6.2960e+00	4e-01	1e-01	6e-16	9e-03
4:	6.3802e+00	6.3804e+00	1e-01	3e-02	1e-15	2e-03
5:	6.4202e+00	6.4202e+00	8e-03	3e-03	8e-16	2e-04
6:	6.4233e+00	6.4233e+00	9e-05	3e-05	6e-16	2e-06
7:	6.4233e+00	6.4233e+00	9e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1844e+00	4.1882e+00	6e+00	2e+00	2e-16	2e-01
2:	6.3482e+00	6.3494e+00	2e+00	5e-01	2e-15	4e-02
3:	6.8976e+00	6.8980e+00	4e-01	1e-01	1e-15	1e-02
4:	6.9744e+00	6.9746e+00	7e-02	2e-02	1e-14	2e-03
5:	6.9997e+00	6.9997e+00	8e-04	3e-04	6e-16	2e-05
6:	7.0000e+00	7.0000e+00	8e-06	3e-06	7e-16	2e-07
7:	7.0000e+00	7.0000e+00	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1960e+00	5.1958e+00	6e+00	2e+00	2e-16	1e-01
2:	6.9151e+00	6.9151e+00	4e-01	1e-01	2e-15	1e-02
3:	6.9991e+00	6.9991e+00	4e-03	1e-03	7e-16	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	2e-15	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5406e+00	3.5451e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7629e+00	6.7643e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9181e+00	6.9186e+00	2e-01	7e-02	5e-15	6e-03
4:	6.9992e+00	6.9992e+00	3e-03	8e-04	5e-16	6e-05
5:	7.0000e+00	7.0000e+00	3e-05	8e-06	5e-16	6e-07
6:	7.0000e+00	7.0000e+00	3e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3273e+00	4.3319e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6416e+00	6.6433e+00	2e+00	6e-01	1e-15	4e-02



3:	6.9712e+00	6.9714e+00	1e-01	3e-02	3e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5129e+00	4.5131e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6844e+00	6.6845e+00	1e+00	5e-01	1e-15	4e-02
3:	6.9935e+00	6.9935e+00	3e-02	9e-03	2e-15	7e-04
4:	6.9999e+00	6.9999e+00	3e-04	9e-05	8e-16	7e-06
5:	7.0000e+00	7.0000e+00	3e-06	9e-07	7e-16	7e-08
6:	7.0000e+00	7.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8658e+00	2.8662e+00	6e+00	2e+00	2e-16	2e-01
2:	5.9406e+00	5.9408e+00	8e-01	3e-01	2e-15	2e-02
3:	6.0999e+00	6.1000e+00	3e-01	9e-02	2e-15	7e-03
4:	6.2212e+00	6.2212e+00	6e-02	2e-02	7e-16	2e-03
5:	6.2485e+00	6.2485e+00	7e-04	2e-04	5e-16	2e-05
6:	6.2488e+00	6.2488e+00	7e-06	2e-06	5e-16	2e-07
7:	6.2488e+00	6.2488e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2554e+00	3.2562e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5587e+00	6.5589e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9470e+00	6.9471e+00	3e-01	1e-01	3e-15	8e-03
4:	6.9822e+00	6.9822e+00	6e-02	2e-02	7e-15	2e-03
5:	6.9998e+00	6.9998e+00	7e-04	2e-04	2e-15	2e-05
6:	7.0000e+00	7.0000e+00	7e-06	2e-06	3e-15	2e-07
7:	7.0000e+00	7.0000e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.8909e+00	2.8879e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3856e+00	5.3840e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9550e+00	5.9545e+00	3e-01	9e-02	1e-15	8e-03
4:	6.0885e+00	6.0885e+00	4e-02	1e-02	1e-15	1e-03
5:	6.1046e+00	6.1045e+00	4e-03	1e-03	1e-14	1e-04
6:	6.1063e+00	6.1063e+00	4e-05	1e-05	8e-16	1e-06
7:	6.1063e+00	6.1063e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9759e+00	3.9803e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5763e+00	6.5778e+00	2e+00	6e-01	2e-15	4e-02

3:	6.9701e+00	6.9704e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8133e+00	2.8170e+00	7e+00	2e+00	3e-16	2e-01
2:	5.3021e+00	5.3034e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9775e+00	5.9777e+00	2e-01	8e-02	7e-16	6e-03
4:	6.0614e+00	6.0615e+00	2e-02	6e-03	1e-15	4e-04
5:	6.0676e+00	6.0676e+00	2e-04	6e-05	2e-15	5e-06
6:	6.0677e+00	6.0677e+00	2e-06	6e-07	2e-15	5e-08
7:	6.0677e+00	6.0677e+00	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5901e+00	3.6011e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3186e+00	6.3222e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9183e+00	6.9193e+00	4e-01	1e-01	1e-15	9e-03
4:	6.9730e+00	6.9734e+00	7e-02	2e-02	8e-15	2e-03
5:	6.9997e+00	6.9997e+00	8e-04	3e-04	9e-16	2e-05
6:	7.0000e+00	7.0000e+00	8e-06	3e-06	1e-15	2e-07
7:	7.0000e+00	7.0000e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1108e+00	4.1096e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7491e+00	6.7487e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9066e+00	6.9063e+00	3e-01	1e-01	2e-15	8e-03
4:	6.9989e+00	6.9989e+00	4e-03	1e-03	5e-16	1e-04
5:	7.0000e+00	7.0000e+00	4e-05	1e-05	5e-16	1e-06
6:	7.0000e+00	7.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6920e+00	3.6944e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6083e+00	6.6092e+00	2e+00	5e-01	3e-15	4e-02
3:	6.9210e+00	6.9214e+00	5e-01	2e-01	2e-15	1e-02
4:	6.9966e+00	6.9966e+00	1e-02	4e-03	2e-15	3e-04
5:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	7.0000e+00	7.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9572e+00	3.9613e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6207e+00	6.6221e+00	2e+00	5e-01	8e-16	4e-02

3:	6.9224e+00	6.9230e+00	3e-01	1e-01	2e-15	8e-03
4:	6.9991e+00	6.9991e+00	4e-03	1e-03	6e-16	1e-04
5:	7.0000e+00	7.0000e+00	4e-05	1e-05	8e-16	1e-06
6:	7.0000e+00	7.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3789e+00	4.3838e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7425e+00	6.7438e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9946e+00	6.9946e+00	2e-02	7e-03	1e-15	5e-04
4:	6.9999e+00	6.9999e+00	2e-04	7e-05	7e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	9e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9956e+00	3.9963e+00	6e+00	2e+00	3e-16	2e-01
2:	6.1929e+00	6.1931e+00	1e+00	4e-01	2e-15	3e-02
3:	6.8104e+00	6.8105e+00	3e-01	8e-02	1e-15	6e-03
4:	6.8966e+00	6.8966e+00	1e-01	3e-02	3e-15	2e-03
5:	6.9281e+00	6.9281e+00	1e-02	4e-03	5e-15	3e-04
6:	6.9334e+00	6.9334e+00	1e-04	4e-05	7e-16	3e-06
7:	6.9335e+00	6.9335e+00	1e-06	4e-07	7e-16	3e-08
8:	6.9335e+00	6.9335e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7516e+00	3.7570e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5356e+00	6.5378e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9765e+00	6.9767e+00	9e-02	3e-02	3e-15	2e-03
4:	6.9998e+00	6.9998e+00	1e-03	3e-04	7e-16	2e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	5e-16	2e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4701e+00	4.4709e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5229e+00	6.5233e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9608e+00	6.9608e+00	2e-01	7e-02	2e-15	6e-03
4:	6.9995e+00	6.9995e+00	3e-03	9e-04	2e-15	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	2e-15	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2357e+00	3.2337e+00	6e+00	2e+00	2e-16	2e-01
2:	5.3492e+00	5.3482e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9376e+00	5.9371e+00	5e-01	2e-01	1e-15	1e-02

4:	6.0960e+00	6.0959e+00	1e-01	4e-02	8e-16	3e-03
5:	6.1402e+00	6.1401e+00	3e-02	8e-03	8e-16	7e-04
6:	6.1500e+00	6.1500e+00	4e-04	1e-04	2e-15	1e-05
7:	6.1502e+00	6.1502e+00	4e-06	1e-06	8e-16	1e-07
8:	6.1502e+00	6.1502e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6060e+00	4.6082e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8221e+00	6.8225e+00	8e-01	3e-01	2e-15	2e-02
3:	6.9915e+00	6.9915e+00	3e-02	9e-03	3e-15	7e-04
4:	6.9999e+00	6.9999e+00	3e-04	9e-05	6e-16	7e-06
5:	7.0000e+00	7.0000e+00	3e-06	9e-07	8e-16	7e-08
6:	7.0000e+00	7.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2015e+00	3.2039e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7405e+00	5.7412e+00	1e+00	4e-01	2e-15	3e-02
3:	6.1175e+00	6.1177e+00	3e-01	1e-01	2e-15	8e-03
4:	6.3047e+00	6.3047e+00	5e-02	2e-02	1e-15	1e-03
5:	6.3209e+00	6.3209e+00	5e-03	2e-03	2e-15	1e-04
6:	6.3227e+00	6.3227e+00	5e-04	2e-04	6e-16	1e-05
7:	6.3229e+00	6.3229e+00	5e-06	2e-06	1e-15	1e-07
8:	6.3229e+00	6.3229e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2361e+00	4.2384e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3128e+00	6.3136e+00	2e+00	6e-01	7e-16	4e-02
3:	6.8767e+00	6.8770e+00	6e-01	2e-01	9e-16	1e-02
4:	6.9778e+00	6.9779e+00	7e-02	2e-02	4e-15	2e-03
5:	6.9998e+00	6.9998e+00	8e-04	2e-04	8e-16	2e-05
6:	7.0000e+00	7.0000e+00	8e-06	2e-06	4e-16	2e-07
7:	7.0000e+00	7.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5239e+00	1.5218e+00	6e+00	2e+00	3e-16	2e-01
2:	3.4535e+00	3.4527e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9415e+00	3.9412e+00	4e-01	1e-01	9e-16	9e-03
4:	4.0613e+00	4.0612e+00	8e-02	3e-02	2e-15	2e-03
5:	4.0935e+00	4.0935e+00	6e-03	2e-03	2e-15	2e-04
6:	4.0963e+00	4.0963e+00	7e-05	2e-05	9e-16	2e-06
7:	4.0963e+00	4.0963e+00	7e-07	2e-07	1e-15	2e-08
8:	4.0963e+00	4.0963e+00	7e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2698e+00	4.2737e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6612e+00	6.6624e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9654e+00	6.9656e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	6e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9783e+00	3.9813e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5519e+00	6.5528e+00	1e+00	5e-01	2e-15	3e-02
3:	6.9709e+00	6.9711e+00	2e-01	7e-02	4e-15	5e-03
4:	6.9996e+00	6.9996e+00	2e-03	8e-04	5e-15	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	8e-06	2e-15	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2861e+00	3.2857e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6609e+00	5.6608e+00	1e+00	4e-01	3e-15	3e-02
3:	6.1912e+00	6.1911e+00	3e-01	1e-01	1e-15	8e-03
4:	6.2889e+00	6.2889e+00	3e-02	1e-02	3e-15	8e-04
5:	6.3025e+00	6.3025e+00	2e-03	5e-04	8e-16	4e-05
6:	6.3031e+00	6.3031e+00	2e-05	5e-06	1e-15	4e-07
7:	6.3031e+00	6.3031e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6937e+00	1.6909e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9447e+00	3.9435e+00	1e+00	4e-01	9e-16	3e-02
3:	4.3785e+00	4.3781e+00	2e-01	5e-02	6e-16	4e-03
4:	4.4235e+00	4.4234e+00	3e-02	1e-02	4e-15	8e-04
5:	4.4338e+00	4.4338e+00	6e-03	2e-03	2e-15	1e-04
6:	4.4356e+00	4.4356e+00	2e-04	6e-05	1e-14	5e-06
7:	4.4356e+00	4.4356e+00	2e-06	6e-07	2e-15	5e-08
8:	4.4356e+00	4.4356e+00	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1760e+00	4.1794e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6922e+00	6.6935e+00	2e+00	5e-01	1e-15	4e-02
3:	7.2941e+00	7.2945e+00	4e-01	1e-01	1e-15	9e-03
4:	7.4000e+00	7.4002e+00	2e-01	5e-02	7e-16	4e-03
5:	7.4419e+00	7.4419e+00	2e-02	6e-03	2e-15	5e-04
6:	7.4469e+00	7.4470e+00	9e-03	3e-03	1e-15	2e-04
7:	7.4485e+00	7.4485e+00	5e-03	1e-03	6e-15	1e-04
8:	7.4500e+00	7.4500e+00	2e-04	7e-05	2e-15	6e-06

9:	7.4501e+00	7.4501e+00	2e-06	7e-07	3e-15	6e-08
10:	7.4501e+00	7.4501e+00	2e-08	7e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0990e+00	4.1025e+00	7e+00	2e+00	4e-16	2e-01
2:	7.2676e+00	7.2685e+00	1e+00	4e-01	2e-15	3e-02
3:	7.8253e+00	7.8255e+00	3e-01	9e-02	2e-15	7e-03
4:	7.9779e+00	7.9780e+00	8e-02	2e-02	1e-15	2e-03
5:	7.9947e+00	7.9947e+00	3e-02	8e-03	2e-14	6e-04
6:	7.9988e+00	7.9988e+00	4e-03	1e-03	3e-14	1e-04
7:	8.0000e+00	8.0000e+00	4e-05	1e-05	4e-14	1e-06
8:	8.0000e+00	8.0000e+00	4e-07	1e-07	4e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9019e+00	3.8997e+00	6e+00	2e+00	2e-16	2e-01
2:	6.8580e+00	6.8572e+00	1e+00	4e-01	2e-15	3e-02
3:	7.2210e+00	7.2207e+00	4e-01	1e-01	6e-15	1e-02
4:	7.3879e+00	7.3878e+00	9e-02	3e-02	2e-15	2e-03
5:	7.4369e+00	7.4369e+00	4e-03	1e-03	9e-16	1e-04
6:	7.4389e+00	7.4389e+00	4e-05	1e-05	8e-16	1e-06
7:	7.4389e+00	7.4389e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3375e+00	4.3488e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3533e+00	6.3591e+00	3e+00	9e-01	1e-15	6e-02
3:	7.1998e+00	7.2012e+00	6e-01	2e-01	7e-16	1e-02
4:	7.4096e+00	7.4098e+00	5e-02	2e-02	1e-15	1e-03
5:	7.4290e+00	7.4290e+00	7e-03	2e-03	2e-15	2e-04
6:	7.4321e+00	7.4321e+00	8e-05	3e-05	2e-15	2e-06
7:	7.4321e+00	7.4321e+00	8e-07	3e-07	1e-15	2e-08
8:	7.4321e+00	7.4321e+00	8e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3625e+00	4.3649e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4161e+00	7.4171e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9582e+00	7.9584e+00	2e-01	5e-02	3e-15	4e-03
4:	7.9996e+00	7.9996e+00	2e-03	5e-04	6e-16	4e-05
5:	8.0000e+00	8.0000e+00	2e-05	5e-06	7e-16	4e-07
6:	8.0000e+00	8.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2447e+00	5.2487e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8346e+00	7.8352e+00	8e-01	3e-01	2e-15	2e-02

3:	7.9981e+00	7.9981e+00	9e-03	3e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	9e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1406e+00	5.1428e+00	6e+00	2e+00	2e-16	2e-01
2:	7.2900e+00	7.2905e+00	9e-01	3e-01	6e-16	2e-02
3:	7.7484e+00	7.7485e+00	2e-01	6e-02	1e-15	4e-03
4:	7.8135e+00	7.8135e+00	3e-02	1e-02	1e-15	8e-04
5:	7.8263e+00	7.8263e+00	5e-04	2e-04	1e-15	1e-05
6:	7.8265e+00	7.8265e+00	5e-06	2e-06	2e-15	1e-07
7:	7.8265e+00	7.8265e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7558e+00	4.7593e+00	6e+00	2e+00	3e-16	1e-01
2:	7.0012e+00	7.0025e+00	1e+00	5e-01	8e-16	3e-02
3:	7.6500e+00	7.6502e+00	2e-01	7e-02	1e-15	5e-03
4:	7.7280e+00	7.7280e+00	4e-02	1e-02	3e-15	9e-04
5:	7.7425e+00	7.7425e+00	3e-03	1e-03	2e-15	8e-05
6:	7.7436e+00	7.7436e+00	3e-05	1e-05	3e-15	8e-07
7:	7.7436e+00	7.7436e+00	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9896e+00	3.9897e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8130e+00	6.8131e+00	2e+00	5e-01	2e-15	4e-02
3:	7.3374e+00	7.3374e+00	5e-01	2e-01	2e-15	1e-02
4:	7.5128e+00	7.5128e+00	1e-01	3e-02	2e-15	3e-03
5:	7.5532e+00	7.5532e+00	2e-02	7e-03	7e-16	5e-04
6:	7.5612e+00	7.5612e+00	4e-04	1e-04	1e-15	1e-05
7:	7.5614e+00	7.5614e+00	4e-06	1e-06	9e-16	1e-07
8:	7.5614e+00	7.5614e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6544e+00	3.6550e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6587e+00	6.6589e+00	1e+00	3e-01	2e-15	3e-02
3:	7.1642e+00	7.1642e+00	3e-01	1e-01	1e-15	8e-03
4:	7.2780e+00	7.2780e+00	7e-02	2e-02	2e-15	2e-03
5:	7.3095e+00	7.3095e+00	3e-03	1e-03	9e-16	8e-05
6:	7.3110e+00	7.3110e+00	3e-05	1e-05	6e-16	9e-07
7:	7.3110e+00	7.3110e+00	3e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.8449e+00	3.8564e+00	7e+00	2e+00	2e-16	2e-01

2:	6.3037e+00	6.3073e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9607e+00	6.9619e+00	4e-01	1e-01	1e-15	1e-02
4:	7.0944e+00	7.0947e+00	8e-02	3e-02	1e-15	2e-03
5:	7.1234e+00	7.1234e+00	6e-03	2e-03	4e-15	1e-04
6:	7.1254e+00	7.1254e+00	2e-03	7e-04	1e-15	5e-05
7:	7.1262e+00	7.1262e+00	3e-05	9e-06	2e-15	7e-07
8:	7.1262e+00	7.1262e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3965e+00	4.3977e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9711e+00	6.9718e+00	2e+00	7e-01	2e-15	5e-02
3:	7.5781e+00	7.5784e+00	6e-01	2e-01	1e-15	1e-02
4:	7.7818e+00	7.7819e+00	2e-01	5e-02	3e-15	4e-03
5:	7.8300e+00	7.8301e+00	5e-02	2e-02	1e-15	1e-03
6:	7.8453e+00	7.8453e+00	4e-03	1e-03	5e-15	9e-05
7:	7.8467e+00	7.8467e+00	4e-05	1e-05	2e-15	9e-07
8:	7.8467e+00	7.8467e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5099e+00	3.5120e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1271e+00	7.1276e+00	9e-01	3e-01	1e-15	2e-02
3:	7.4454e+00	7.4456e+00	2e-01	6e-02	2e-15	4e-03
4:	7.5309e+00	7.5309e+00	7e-03	2e-03	7e-16	2e-04
5:	7.5330e+00	7.5330e+00	1e-03	3e-04	7e-14	3e-05
6:	7.5333e+00	7.5333e+00	9e-05	3e-05	3e-13	2e-06
7:	7.5333e+00	7.5333e+00	9e-07	3e-07	3e-14	2e-08
8:	7.5333e+00	7.5333e+00	9e-09	3e-09	4e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5990e+00	5.6014e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8326e+00	7.8330e+00	7e-01	2e-01	1e-15	2e-02
3:	7.9982e+00	7.9982e+00	8e-03	3e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0643e+00	4.0645e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6427e+00	6.6428e+00	1e+00	5e-01	2e-15	4e-02
3:	7.2351e+00	7.2351e+00	4e-01	1e-01	4e-15	9e-03
4:	7.3997e+00	7.3997e+00	7e-02	2e-02	3e-15	2e-03
5:	7.4302e+00	7.4302e+00	1e-03	4e-04	2e-15	3e-05
6:	7.4307e+00	7.4307e+00	1e-05	4e-06	1e-15	3e-07
7:	7.4307e+00	7.4307e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5758e+00	4.5815e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4355e+00	7.4372e+00	1e+00	5e-01	1e-15	3e-02
3:	7.8788e+00	7.8795e+00	5e-01	2e-01	1e-15	1e-02
4:	7.9892e+00	7.9893e+00	3e-02	1e-02	4e-15	8e-04
5:	7.9999e+00	7.9999e+00	3e-04	1e-04	5e-16	8e-06
6:	8.0000e+00	8.0000e+00	3e-06	1e-06	6e-16	8e-08
7:	8.0000e+00	8.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8209e+00	4.8243e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1294e+00	7.1307e+00	2e+00	5e-01	7e-16	4e-02
3:	7.7904e+00	7.7907e+00	2e-01	8e-02	8e-16	6e-03
4:	7.9000e+00	7.9001e+00	4e-02	1e-02	4e-15	1e-03
5:	7.9158e+00	7.9158e+00	4e-03	1e-03	7e-15	1e-04
6:	7.9174e+00	7.9174e+00	5e-04	2e-04	8e-14	1e-05
7:	7.9175e+00	7.9175e+00	8e-05	2e-05	7e-13	2e-06
8:	7.9175e+00	7.9175e+00	8e-07	3e-07	5e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2147e+00	5.2159e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5956e+00	7.5960e+00	1e+00	4e-01	3e-15	3e-02
3:	7.9709e+00	7.9709e+00	8e-02	2e-02	5e-15	2e-03
4:	7.9997e+00	7.9997e+00	8e-04	2e-04	7e-16	2e-05
5:	8.0000e+00	8.0000e+00	8e-06	2e-06	6e-16	2e-07
6:	8.0000e+00	8.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4453e+00	4.4451e+00	6e+00	2e+00	2e-16	2e-01
2:	7.4150e+00	7.4149e+00	2e+00	5e-01	2e-15	4e-02
3:	7.8863e+00	7.8862e+00	5e-01	2e-01	2e-15	1e-02
4:	7.9964e+00	7.9964e+00	1e-02	4e-03	3e-15	3e-04
5:	8.0000e+00	8.0000e+00	1e-04	4e-05	7e-16	3e-06
6:	8.0000e+00	8.0000e+00	1e-06	4e-07	8e-16	3e-08
7:	8.0000e+00	8.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6518e+00	4.6570e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2600e+00	7.2625e+00	2e+00	8e-01	1e-15	6e-02
3:	7.9324e+00	7.9329e+00	3e-01	1e-01	1e-15	8e-03
4:	7.9990e+00	7.9990e+00	4e-03	1e-03	1e-15	1e-04
5:	8.0000e+00	8.0000e+00	4e-05	1e-05	1e-15	1e-06
6:	8.0000e+00	8.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1779e+00	5.1828e+00	6e+00	2e+00	3e-16	1e-01
2:	7.6186e+00	7.6201e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9645e+00	7.9646e+00	1e-01	4e-02	3e-15	3e-03
4:	7.9996e+00	7.9996e+00	1e-03	4e-04	5e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4204e+00	5.4249e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6794e+00	7.6804e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9937e+00	7.9937e+00	2e-02	7e-03	1e-15	5e-04
4:	7.9999e+00	7.9999e+00	2e-04	7e-05	1e-15	5e-06
5:	8.0000e+00	8.0000e+00	2e-06	7e-07	9e-16	5e-08
6:	8.0000e+00	8.0000e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7673e+00	2.7647e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6167e+00	5.6158e+00	1e+00	4e-01	1e-15	3e-02
3:	6.0934e+00	6.0931e+00	2e-01	7e-02	2e-15	6e-03
4:	6.2036e+00	6.2036e+00	2e-02	6e-03	3e-15	6e-04
5:	6.2088e+00	6.2088e+00	5e-03	2e-03	7e-14	1e-04
6:	6.2108e+00	6.2108e+00	2e-03	5e-04	2e-14	4e-05
7:	6.2114e+00	6.2114e+00	2e-05	6e-06	2e-14	5e-07
8:	6.2114e+00	6.2114e+00	2e-07	6e-08	2e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8134e+00	4.8194e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6075e+00	7.6092e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9818e+00	7.9819e+00	6e-02	2e-02	2e-15	1e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	6e-16	1e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8640e+00	4.8672e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4757e+00	7.4769e+00	2e+00	6e-01	1e-15	5e-02
3:	7.9166e+00	7.9168e+00	4e-01	1e-01	2e-15	9e-03
4:	7.9983e+00	7.9983e+00	7e-03	2e-03	3e-15	2e-04
5:	8.0000e+00	8.0000e+00	7e-05	2e-05	1e-15	2e-06
6:	8.0000e+00	8.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0590e+00	4.0642e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6708e+00	6.6733e+00	2e+00	8e-01	2e-15	6e-02
3:	7.4553e+00	7.4557e+00	3e-01	1e-01	1e-15	8e-03
4:	7.6120e+00	7.6121e+00	5e-02	2e-02	1e-15	1e-03
5:	7.6359e+00	7.6359e+00	2e-03	7e-04	1e-15	5e-05
6:	7.6369e+00	7.6369e+00	2e-05	7e-06	2e-15	5e-07
7:	7.6369e+00	7.6369e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2748e+00	4.2766e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2920e+00	7.2926e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9013e+00	7.9014e+00	3e-01	9e-02	9e-16	7e-03
4:	7.9879e+00	7.9880e+00	6e-02	2e-02	6e-15	2e-03
5:	7.9994e+00	7.9994e+00	2e-03	5e-04	1e-14	4e-05
6:	8.0000e+00	8.0000e+00	2e-05	5e-06	7e-15	4e-07
7:	8.0000e+00	8.0000e+00	2e-07	5e-08	6e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5551e+00	4.5641e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1253e+00	7.1282e+00	2e+00	6e-01	1e-15	4e-02
3:	7.8689e+00	7.8698e+00	5e-01	2e-01	2e-15	1e-02
4:	7.9788e+00	7.9790e+00	6e-02	2e-02	6e-15	1e-03
5:	7.9998e+00	7.9998e+00	7e-04	2e-04	1e-15	2e-05
6:	8.0000e+00	8.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	8.0000e+00	8.0000e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4012e+00	4.4071e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5446e+00	7.5466e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9594e+00	7.9599e+00	2e-01	5e-02	1e-15	4e-03
4:	7.9996e+00	7.9996e+00	2e-03	5e-04	3e-16	4e-05
5:	8.0000e+00	8.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	8.0000e+00	8.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8072e+00	3.8074e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4586e+00	6.4587e+00	2e+00	6e-01	2e-15	5e-02
3:	7.2570e+00	7.2571e+00	3e-01	1e-01	1e-15	9e-03
4:	7.3700e+00	7.3700e+00	5e-02	2e-02	6e-15	1e-03
5:	7.3909e+00	7.3909e+00	1e-02	4e-03	2e-15	3e-04
6:	7.3964e+00	7.3964e+00	1e-04	5e-05	1e-15	4e-06
7:	7.3965e+00	7.3965e+00	1e-06	5e-07	1e-15	4e-08

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8: 7.3965e+00 7.3965e+00 1e-08 5e-09 1e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9756e+00 3.9790e+00 7e+00 2e+00 2e-16 2e-01
2: 6.7402e+00 6.7415e+00 2e+00 6e-01 2e-15 4e-02
3: 7.4766e+00 7.4769e+00 3e-01 1e-01 1e-15 8e-03
4: 7.6086e+00 7.6087e+00 5e-02 2e-02 2e-15 1e-03
5: 7.6349e+00 7.6349e+00 2e-03 5e-04 8e-16 4e-05
6: 7.6357e+00 7.6357e+00 2e-05 5e-06 1e-15 4e-07
7: 7.6357e+00 7.6357e+00 2e-07 5e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.5004e+00 5.5045e+00 7e+00 2e+00 3e-16 2e-01
2: 7.7536e+00 7.7543e+00 9e-01 3e-01 2e-15 2e-02
3: 7.9972e+00 7.9973e+00 1e-02 3e-03 1e-15 2e-04
4: 8.0000e+00 8.0000e+00 1e-04 3e-05 1e-15 2e-06
5: 8.0000e+00 8.0000e+00 1e-06 3e-07 1e-15 2e-08
6: 8.0000e+00 8.0000e+00 1e-08 3e-09 2e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9745e+00 3.9745e+00 6e+00 2e+00 3e-16 2e-01
2: 6.5686e+00 6.5686e+00 2e+00 6e-01 1e-15 5e-02
3: 7.0369e+00 7.0369e+00 6e-01 2e-01 2e-15 2e-02
4: 7.2788e+00 7.2788e+00 8e-02 3e-02 5e-16 2e-03
5: 7.3118e+00 7.3118e+00 1e-02 5e-03 6e-16 4e-04
6: 7.3174e+00 7.3174e+00 3e-04 1e-04 1e-15 9e-06
7: 7.3175e+00 7.3175e+00 3e-06 1e-06 9e-16 9e-08
8: 7.3175e+00 7.3175e+00 3e-08 1e-08 8e-16 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.0820e+00 3.0822e+00 7e+00 2e+00 2e-16 2e-01
2: 5.7725e+00 5.7726e+00 1e+00 4e-01 1e-15 3e-02
3: 6.1468e+00 6.1468e+00 3e-01 1e-01 1e-15 8e-03
4: 6.2685e+00 6.2685e+00 5e-02 1e-02 1e-15 1e-03
5: 6.2871e+00 6.2871e+00 4e-03 1e-03 1e-15 1e-04
6: 6.2892e+00 6.2892e+00 5e-05 2e-05 6e-16 1e-06
7: 6.2892e+00 6.2892e+00 5e-07 2e-07 7e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 4.0366e+00 4.0436e+00 7e+00 2e+00 2e-16 2e-01
2: 6.7601e+00 6.7622e+00 2e+00 5e-01 1e-15 4e-02
3: 7.2124e+00 7.2132e+00 4e-01 1e-01 8e-16 9e-03
4: 7.3488e+00 7.3490e+00 6e-02 2e-02 9e-16 1e-03

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5:	7.3731e+00	7.3731e+00	6e-03	2e-03	2e-15	1e-04
6:	7.3756e+00	7.3756e+00	3e-04	8e-05	8e-16	6e-06
7:	7.3757e+00	7.3757e+00	3e-06	8e-07	7e-16	6e-08
8:	7.3757e+00	7.3757e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3896e+00	4.3887e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5642e+00	7.5639e+00	1e+00	3e-01	2e-15	3e-02
3:	7.9418e+00	7.9417e+00	3e-01	9e-02	3e-15	7e-03
4:	7.9938e+00	7.9938e+00	2e-02	6e-03	9e-15	5e-04
5:	7.9999e+00	7.9999e+00	2e-04	6e-05	1e-15	5e-06
6:	8.0000e+00	8.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	8.0000e+00	8.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2398e+00	2.2380e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7061e+00	4.7054e+00	1e+00	4e-01	1e-15	3e-02
3:	5.0997e+00	5.0993e+00	5e-01	2e-01	1e-15	1e-02
4:	5.2436e+00	5.2434e+00	2e-01	5e-02	1e-15	4e-03
5:	5.3012e+00	5.3011e+00	4e-02	1e-02	1e-15	9e-04
6:	5.3149e+00	5.3149e+00	2e-03	7e-04	4e-15	6e-05
7:	5.3159e+00	5.3159e+00	2e-05	7e-06	6e-16	6e-07
8:	5.3159e+00	5.3159e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5764e+00	4.5814e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5938e+00	7.5951e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9140e+00	7.9146e+00	4e-01	1e-01	2e-15	9e-03
4:	7.9952e+00	7.9952e+00	1e-02	5e-03	3e-15	4e-04
5:	8.0000e+00	8.0000e+00	1e-04	5e-05	7e-16	4e-06
6:	8.0000e+00	8.0000e+00	1e-06	5e-07	1e-15	4e-08
7:	8.0000e+00	8.0000e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1772e+00	4.1817e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9831e+00	5.9848e+00	2e+00	7e-01	7e-16	5e-02
3:	6.9824e+00	6.9831e+00	6e-01	2e-01	9e-16	1e-02
4:	7.2799e+00	7.2800e+00	5e-02	2e-02	1e-15	1e-03
5:	7.2973e+00	7.2973e+00	1e-02	4e-03	5e-15	3e-04
6:	7.2996e+00	7.2996e+00	6e-03	2e-03	9e-14	2e-04
7:	7.3019e+00	7.3019e+00	1e-03	3e-04	1e-14	3e-05
8:	7.3023e+00	7.3023e+00	1e-05	4e-06	4e-14	3e-07
9:	7.3023e+00	7.3023e+00	1e-07	4e-08	5e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9791e+00	4.9800e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6558e+00	7.6560e+00	1e+00	4e-01	3e-15	3e-02
3:	7.9877e+00	7.9878e+00	4e-02	1e-02	4e-15	1e-03
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2001e+00	5.2003e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6207e+00	7.6208e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9835e+00	7.9835e+00	6e-02	2e-02	2e-15	1e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	8e-16	1e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	1e-15	1e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5838e+00	5.5844e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8161e+00	7.8162e+00	7e-01	2e-01	3e-15	2e-02
3:	7.9980e+00	7.9980e+00	8e-03	3e-03	8e-16	2e-04
4:	8.0000e+00	8.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	8.0000e+00	8.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2634e+00	5.2665e+00	6e+00	2e+00	2e-16	2e-01
2:	7.5774e+00	7.5785e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9787e+00	7.9788e+00	7e-02	2e-02	1e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6642e+00	3.6660e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3695e+00	6.3700e+00	1e+00	4e-01	2e-15	3e-02
3:	7.0377e+00	7.0378e+00	3e-01	1e-01	1e-15	8e-03
4:	7.1714e+00	7.1715e+00	5e-02	2e-02	2e-15	1e-03
5:	7.1970e+00	7.1970e+00	1e-03	3e-04	8e-16	2e-05
6:	7.1974e+00	7.1974e+00	1e-05	3e-06	1e-15	2e-07
7:	7.1974e+00	7.1974e+00	1e-07	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4924e+00	4.4942e+00	7e+00	2e+00	3e-16	2e-01

2:	7.2524e+00	7.2529e+00	1e+00	4e-01	3e-15	3e-02
3:	7.7217e+00	7.7218e+00	3e-01	1e-01	1e-15	8e-03
4:	7.8998e+00	7.8998e+00	6e-02	2e-02	1e-15	1e-03
5:	7.9228e+00	7.9228e+00	5e-03	2e-03	4e-15	1e-04
6:	7.9247e+00	7.9247e+00	2e-04	5e-05	2e-14	4e-06
7:	7.9247e+00	7.9247e+00	2e-06	5e-07	7e-15	4e-08
8:	7.9247e+00	7.9247e+00	2e-08	5e-09	9e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.9793e+00	3.9884e+00	8e+00	2e+00	2e-16	2e-01
2:	6.5073e+00	6.5099e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1183e+00	7.1189e+00	2e-01	8e-02	1e-15	5e-03
4:	7.2181e+00	7.2182e+00	3e-02	1e-02	9e-16	7e-04
5:	7.2295e+00	7.2295e+00	6e-04	2e-04	3e-15	1e-05
6:	7.2297e+00	7.2297e+00	6e-06	2e-06	2e-15	1e-07
7:	7.2297e+00	7.2297e+00	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0384e+00	5.0409e+00	7e+00	2e+00	4e-16	2e-01
2:	7.6229e+00	7.6236e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9805e+00	7.9806e+00	6e-02	2e-02	3e-15	1e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	8e-16	1e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	1e-15	1e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2039e+00	4.2031e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9449e+00	6.9446e+00	1e+00	4e-01	2e-15	3e-02
3:	7.5051e+00	7.5050e+00	3e-01	9e-02	1e-15	7e-03
4:	7.6329e+00	7.6329e+00	2e-02	7e-03	7e-16	5e-04
5:	7.6434e+00	7.6434e+00	2e-04	7e-05	1e-15	6e-06
6:	7.6435e+00	7.6435e+00	2e-06	7e-07	1e-15	6e-08
7:	7.6435e+00	7.6435e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2862e+00	4.2912e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3717e+00	7.3735e+00	2e+00	6e-01	1e-15	5e-02
3:	7.9186e+00	7.9191e+00	4e-01	1e-01	2e-15	9e-03
4:	7.9982e+00	7.9982e+00	7e-03	2e-03	2e-15	2e-04
5:	8.0000e+00	8.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	8.0000e+00	8.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.7938e+00	4.7958e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6324e+00	7.6330e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9824e+00	7.9824e+00	6e-02	2e-02	3e-15	1e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8805e+00	4.8856e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6131e+00	7.6147e+00	1e+00	4e-01	2e-15	3e-02
3:	8.0968e+00	8.0971e+00	3e-01	9e-02	1e-15	7e-03
4:	8.1985e+00	8.1987e+00	8e-02	3e-02	2e-15	2e-03
5:	8.2257e+00	8.2257e+00	1e-02	5e-03	4e-15	4e-04
6:	8.2322e+00	8.2322e+00	2e-04	7e-05	6e-16	6e-06
7:	8.2323e+00	8.2323e+00	2e-06	7e-07	1e-15	6e-08
8:	8.2323e+00	8.2323e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3565e+00	6.3601e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7721e+00	8.7729e+00	9e-01	3e-01	2e-15	2e-02
3:	8.9901e+00	8.9902e+00	3e-02	1e-02	2e-15	8e-04
4:	8.9999e+00	8.9999e+00	3e-04	1e-04	6e-16	8e-06
5:	9.0000e+00	9.0000e+00	3e-06	1e-06	6e-16	8e-08
6:	9.0000e+00	9.0000e+00	3e-08	1e-08	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0639e+00	5.0681e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9574e+00	7.9589e+00	2e+00	5e-01	3e-15	4e-02
3:	8.8850e+00	8.8852e+00	2e-01	6e-02	1e-15	4e-03
4:	8.9266e+00	8.9267e+00	7e-02	2e-02	5e-15	2e-03
5:	8.9340e+00	8.9342e+00	6e-02	2e-02	5e-15	1e-03
6:	8.9551e+00	8.9551e+00	4e-03	1e-03	6e-15	9e-05
7:	8.9565e+00	8.9565e+00	5e-04	2e-04	2e-15	1e-05
8:	8.9567e+00	8.9567e+00	6e-06	2e-06	6e-15	1e-07
9:	8.9567e+00	8.9567e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.4031e+00	4.4114e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8181e+00	6.8205e+00	2e+00	5e-01	3e-15	4e-02
3:	7.4572e+00	7.4577e+00	3e-01	9e-02	1e-15	6e-03
4:	7.6054e+00	7.6055e+00	4e-02	1e-02	1e-15	1e-03
5:	7.6242e+00	7.6242e+00	5e-03	2e-03	6e-15	1e-04
6:	7.6265e+00	7.6265e+00	3e-04	1e-04	3e-15	8e-06
7:	7.6266e+00	7.6266e+00	3e-06	1e-06	8e-15	8e-08



8: 7.6266e+00 7.6266e+00 3e-08 1e-08 7e-15 8e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8959e+00	3.8973e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4013e+00	7.4017e+00	9e-01	3e-01	2e-15	2e-02
3:	7.7287e+00	7.7288e+00	1e-01	4e-02	2e-15	3e-03
4:	7.7842e+00	7.7842e+00	7e-03	2e-03	4e-16	2e-04
5:	7.7869e+00	7.7869e+00	7e-05	2e-05	7e-16	2e-06
6:	7.7870e+00	7.7870e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6487e+00	4.6504e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3966e+00	7.3977e+00	3e+00	8e-01	1e-15	6e-02
3:	8.7201e+00	8.7204e+00	3e-01	1e-01	7e-16	9e-03
4:	8.7812e+00	8.7813e+00	1e-01	5e-02	4e-15	4e-03
5:	8.8405e+00	8.8405e+00	2e-02	5e-03	2e-15	4e-04
6:	8.8440e+00	8.8440e+00	5e-03	2e-03	1e-13	1e-04
7:	8.8460e+00	8.8460e+00	1e-04	4e-05	5e-15	3e-06
8:	8.8461e+00	8.8461e+00	1e-06	4e-07	3e-14	3e-08
9:	8.8461e+00	8.8461e+00	1e-08	4e-09	3e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7001e+00	5.7044e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2704e+00	8.2716e+00	2e+00	5e-01	1e-15	4e-02
3:	8.8853e+00	8.8857e+00	4e-01	1e-01	2e-15	1e-02
4:	8.9850e+00	8.9851e+00	4e-02	1e-02	7e-15	9e-04
5:	8.9998e+00	8.9999e+00	4e-04	1e-04	8e-16	9e-06
6:	9.0000e+00	9.0000e+00	4e-06	1e-06	6e-16	9e-08
7:	9.0000e+00	9.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0088e+00	4.0157e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8863e+00	6.8888e+00	2e+00	5e-01	3e-15	3e-02
3:	7.5098e+00	7.5104e+00	3e-01	1e-01	1e-15	8e-03
4:	7.6203e+00	7.6205e+00	7e-02	2e-02	2e-15	2e-03
5:	7.6526e+00	7.6526e+00	9e-04	3e-04	6e-16	2e-05
6:	7.6530e+00	7.6530e+00	9e-06	3e-06	6e-16	2e-07
7:	7.6530e+00	7.6530e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1251e+00	6.1296e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7897e+00	8.7903e+00	8e-01	3e-01	2e-15	2e-02
3:	8.9971e+00	8.9971e+00	1e-02	3e-03	8e-16	2e-04

4:	9.0000e+00	9.0000e+00	1e-04	3e-05	9e-16	2e-06
5:	9.0000e+00	9.0000e+00	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5336e+00	5.5329e+00	6e+00	2e+00	2e-16	2e-01
2:	8.1319e+00	8.1316e+00	1e+00	5e-01	2e-15	4e-02
3:	8.8369e+00	8.8369e+00	3e-01	9e-02	2e-15	8e-03
4:	8.9805e+00	8.9805e+00	4e-02	1e-02	3e-15	9e-04
5:	8.9982e+00	8.9982e+00	6e-03	2e-03	4e-14	2e-04
6:	8.9997e+00	8.9997e+00	7e-04	2e-04	5e-13	2e-05
7:	9.0000e+00	9.0000e+00	7e-06	2e-06	4e-14	2e-07
8:	9.0000e+00	9.0000e+00	7e-08	2e-08	3e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5288e+00	4.5331e+00	8e+00	2e+00	3e-16	2e-01
2:	8.5261e+00	8.5274e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9249e+00	8.9252e+00	3e-01	1e-01	2e-15	8e-03
4:	8.9784e+00	8.9785e+00	6e-02	2e-02	1e-14	1e-03
5:	8.9998e+00	8.9998e+00	6e-04	2e-04	9e-16	1e-05
6:	9.0000e+00	9.0000e+00	6e-06	2e-06	1e-15	1e-07
7:	9.0000e+00	9.0000e+00	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7552e+00	3.7556e+00	6e+00	2e+00	3e-16	1e-01
2:	6.7203e+00	6.7205e+00	1e+00	4e-01	2e-15	3e-02
3:	7.2449e+00	7.2449e+00	3e-01	9e-02	1e-15	7e-03
4:	7.3051e+00	7.3052e+00	8e-02	3e-02	7e-15	2e-03
5:	7.3403e+00	7.3403e+00	1e-02	4e-03	2e-15	3e-04
6:	7.3448e+00	7.3448e+00	1e-04	4e-05	2e-15	3e-06
7:	7.3448e+00	7.3448e+00	1e-06	4e-07	1e-15	3e-08
8:	7.3448e+00	7.3448e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6507e+00	5.6540e+00	6e+00	2e+00	3e-16	2e-01
2:	8.0762e+00	8.0775e+00	2e+00	6e-01	1e-15	5e-02
3:	8.6601e+00	8.6605e+00	6e-01	2e-01	1e-15	1e-02
4:	8.8815e+00	8.8817e+00	2e-01	7e-02	1e-15	6e-03
5:	8.9054e+00	8.9056e+00	1e-01	4e-02	7e-15	3e-03
6:	8.9680e+00	8.9681e+00	1e-02	4e-03	2e-15	3e-04
7:	8.9728e+00	8.9728e+00	1e-03	5e-04	8e-15	4e-05
8:	8.9735e+00	8.9735e+00	4e-05	1e-05	7e-16	9e-07
9:	8.9735e+00	8.9735e+00	4e-07	1e-07	5e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2524e+00	6.2567e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8170e+00	8.8176e+00	6e-01	2e-01	3e-15	1e-02
3:	8.9968e+00	8.9968e+00	1e-02	3e-03	3e-15	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	3e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7785e+00	4.7855e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3625e+00	8.3646e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8721e+00	8.8726e+00	2e-01	8e-02	2e-15	6e-03
4:	8.9601e+00	8.9602e+00	6e-02	2e-02	2e-15	1e-03
5:	8.9754e+00	8.9754e+00	1e-02	4e-03	3e-14	3e-04
6:	8.9795e+00	8.9795e+00	4e-03	1e-03	1e-14	1e-04
7:	8.9810e+00	8.9810e+00	6e-05	2e-05	1e-14	2e-06
8:	8.9811e+00	8.9811e+00	6e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3984e+00	5.4019e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6114e+00	8.6125e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9085e+00	8.9090e+00	4e-01	1e-01	1e-15	9e-03
4:	8.9966e+00	8.9967e+00	1e-02	3e-03	2e-15	2e-04
5:	9.0000e+00	9.0000e+00	1e-04	3e-05	1e-15	2e-06
6:	9.0000e+00	9.0000e+00	1e-06	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5422e+00	5.5444e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2802e+00	8.2808e+00	1e+00	4e-01	8e-16	3e-02
3:	8.7315e+00	8.7317e+00	4e-01	1e-01	2e-15	1e-02
4:	8.8984e+00	8.8985e+00	1e-01	4e-02	4e-15	3e-03
5:	8.9546e+00	8.9546e+00	1e-02	4e-03	7e-15	3e-04
6:	8.9588e+00	8.9588e+00	2e-03	6e-04	2e-14	4e-05
7:	8.9597e+00	8.9597e+00	3e-05	1e-05	2e-15	8e-07
8:	8.9597e+00	8.9597e+00	3e-07	1e-07	4e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8267e+00	5.8322e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6268e+00	8.6281e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9796e+00	8.9798e+00	6e-02	2e-02	2e-15	1e-03
4:	8.9998e+00	8.9998e+00	6e-04	2e-04	6e-16	1e-05
5:	9.0000e+00	9.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	9.0000e+00	9.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0740e+00	5.0751e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8037e+00	7.8041e+00	2e+00	5e-01	7e-16	4e-02
3:	8.5138e+00	8.5138e+00	3e-01	9e-02	7e-16	7e-03
4:	8.6485e+00	8.6486e+00	5e-02	2e-02	1e-15	1e-03
5:	8.6730e+00	8.6730e+00	2e-03	7e-04	5e-15	5e-05
6:	8.6740e+00	8.6740e+00	2e-05	7e-06	3e-15	5e-07
7:	8.6740e+00	8.6740e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4159e+00	5.4192e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5348e+00	8.5357e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8993e+00	8.8997e+00	3e-01	9e-02	4e-15	7e-03
4:	8.9987e+00	8.9987e+00	5e-03	1e-03	1e-15	1e-04
5:	9.0000e+00	9.0000e+00	5e-05	1e-05	1e-15	1e-06
6:	9.0000e+00	9.0000e+00	5e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9792e+00	4.9777e+00	6e+00	2e+00	3e-16	2e-01
2:	8.3666e+00	8.3662e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9465e+00	8.9464e+00	2e-01	7e-02	2e-15	6e-03
4:	8.9953e+00	8.9952e+00	2e-02	6e-03	3e-14	5e-04
5:	9.0000e+00	9.0000e+00	2e-04	6e-05	1e-14	5e-06
6:	9.0000e+00	9.0000e+00	2e-06	6e-07	1e-14	5e-08
7:	9.0000e+00	9.0000e+00	2e-08	6e-09	2e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0607e+00	4.0644e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5892e+00	7.5899e+00	1e+00	3e-01	1e-15	2e-02
3:	7.9122e+00	7.9123e+00	2e-01	5e-02	2e-15	4e-03
4:	7.9698e+00	7.9699e+00	8e-02	2e-02	1e-15	2e-03
5:	7.9932e+00	7.9933e+00	2e-02	7e-03	1e-15	5e-04
6:	8.0017e+00	8.0017e+00	2e-03	7e-04	8e-16	6e-05
7:	8.0026e+00	8.0026e+00	2e-05	7e-06	2e-15	6e-07
8:	8.0026e+00	8.0026e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5902e+00	4.5964e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7474e+00	7.7494e+00	2e+00	5e-01	1e-15	4e-02
3:	8.5087e+00	8.5091e+00	3e-01	1e-01	3e-15	7e-03
4:	8.6521e+00	8.6522e+00	5e-02	2e-02	4e-15	1e-03
5:	8.6623e+00	8.6623e+00	2e-02	5e-03	9e-14	4e-04
6:	8.6680e+00	8.6680e+00	2e-03	7e-04	2e-14	6e-05
7:	8.6690e+00	8.6690e+00	3e-05	8e-06	4e-15	6e-07

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8: 8.6690e+00 8.6690e+00 3e-07 8e-08 8e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7419e+00 3.7403e+00 6e+00 2e+00 3e-16 2e-01
2: 6.4958e+00 6.4951e+00 1e+00 4e-01 2e-15 3e-02
3: 7.0914e+00 7.0913e+00 2e-01 6e-02 8e-16 5e-03
4: 7.1727e+00 7.1727e+00 2e-02 8e-03 4e-15 6e-04
5: 7.1856e+00 7.1856e+00 5e-04 2e-04 2e-15 1e-05
6: 7.1859e+00 7.1859e+00 5e-06 2e-06 4e-15 1e-07
7: 7.1859e+00 7.1859e+00 5e-08 2e-08 3e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.2814e+00 5.2865e+00 7e+00 2e+00 2e-16 2e-01
2: 8.4934e+00 8.4951e+00 1e+00 5e-01 1e-15 3e-02
3: 8.9284e+00 8.9291e+00 3e-01 9e-02 2e-15 7e-03
4: 8.9991e+00 8.9991e+00 3e-03 1e-03 1e-15 8e-05
5: 9.0000e+00 9.0000e+00 3e-05 1e-05 9e-16 8e-07
6: 9.0000e+00 9.0000e+00 3e-07 1e-07 9e-16 8e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 4.4225e+00 4.4347e+00 8e+00 3e+00 2e-16 2e-01
2: 7.4088e+00 7.4131e+00 2e+00 6e-01 9e-16 4e-02
3: 8.1291e+00 8.1304e+00 5e-01 2e-01 9e-16 1e-02
4: 8.3121e+00 8.3124e+00 1e-01 4e-02 1e-15 3e-03
5: 8.3510e+00 8.3511e+00 2e-02 7e-03 5e-15 5e-04
6: 8.3603e+00 8.3603e+00 2e-04 7e-05 9e-16 5e-06
7: 8.3604e+00 8.3604e+00 2e-06 7e-07 7e-16 5e-08
8: 8.3604e+00 8.3604e+00 2e-08 7e-09 8e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.4839e+00 5.4884e+00 7e+00 2e+00 2e-16 2e-01
2: 8.2866e+00 8.2878e+00 1e+00 5e-01 2e-15 3e-02
3: 8.9175e+00 8.9178e+00 3e-01 8e-02 9e-16 6e-03
4: 8.9734e+00 8.9735e+00 8e-02 2e-02 9e-15 2e-03
5: 8.9996e+00 8.9996e+00 1e-03 5e-04 3e-15 4e-05
6: 9.0000e+00 9.0000e+00 1e-05 5e-06 7e-15 4e-07
7: 9.0000e+00 9.0000e+00 1e-07 5e-08 8e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.4260e+00 6.4267e+00 7e+00 2e+00 3e-16 2e-01
2: 8.8802e+00 8.8803e+00 5e-01 2e-01 1e-15 1e-02
3: 8.9988e+00 8.9988e+00 5e-03 2e-03 1e-15 1e-04
4: 9.0000e+00 9.0000e+00 5e-05 2e-05 6e-16 1e-06

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5: 9.0000e+00 9.0000e+00 5e-07 2e-07 6e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1375e+00 3.1360e+00 6e+00 2e+00 3e-16 2e-01
2: 6.1004e+00 6.0999e+00 1e+00 4e-01 2e-15 3e-02
3: 6.6120e+00 6.6119e+00 2e-01 7e-02 9e-16 6e-03
4: 6.7089e+00 6.7088e+00 4e-02 1e-02 1e-15 1e-03
5: 6.7239e+00 6.7239e+00 4e-03 1e-03 7e-15 9e-05
6: 6.7253e+00 6.7253e+00 4e-05 1e-05 2e-15 9e-07
7: 6.7254e+00 6.7254e+00 4e-07 1e-07 2e-15 9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.7007e+00 4.7026e+00 7e+00 2e+00 3e-16 2e-01
2: 7.8782e+00 7.8790e+00 2e+00 5e-01 9e-16 4e-02
3: 8.4897e+00 8.4899e+00 3e-01 8e-02 8e-16 6e-03
4: 8.5777e+00 8.5778e+00 4e-02 1e-02 2e-15 9e-04
5: 8.5953e+00 8.5953e+00 6e-04 2e-04 9e-16 1e-05
6: 8.5956e+00 8.5956e+00 6e-06 2e-06 1e-15 1e-07
7: 8.5956e+00 8.5956e+00 6e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.7129e+00 5.7179e+00 7e+00 2e+00 2e-16 2e-01
2: 8.1019e+00 8.1035e+00 2e+00 5e-01 2e-15 4e-02
3: 8.8532e+00 8.8537e+00 5e-01 1e-01 1e-15 1e-02
4: 8.9684e+00 8.9686e+00 9e-02 3e-02 8e-15 2e-03
5: 8.9997e+00 8.9997e+00 1e-03 3e-04 8e-16 2e-05
6: 9.0000e+00 9.0000e+00 1e-05 3e-06 1e-15 2e-07
7: 9.0000e+00 9.0000e+00 1e-07 3e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.3577e+00 5.3604e+00 7e+00 2e+00 4e-16 2e-01
2: 8.3853e+00 8.3862e+00 2e+00 5e-01 2e-15 4e-02
3: 8.9577e+00 8.9579e+00 2e-01 6e-02 3e-15 4e-03
4: 8.9995e+00 8.9996e+00 2e-03 6e-04 9e-16 5e-05
5: 9.0000e+00 9.0000e+00 2e-05 6e-06 1e-15 5e-07
6: 9.0000e+00 9.0000e+00 2e-07 6e-08 1e-15 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 4.6954e+00 4.7004e+00 7e+00 2e+00 3e-16 2e-01
2: 8.4010e+00 8.4024e+00 1e+00 4e-01 1e-15 3e-02
3: 8.8002e+00 8.8007e+00 4e-01 1e-01 2e-15 1e-02
4: 8.9836e+00 8.9837e+00 6e-02 2e-02 7e-16 1e-03
5: 8.9949e+00 8.9949e+00 1e-02 4e-03 4e-14 3e-04

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6:	8.9999e+00	8.9999e+00	2e-04	6e-05	7e-15	5e-06
7:	9.0000e+00	9.0000e+00	2e-06	6e-07	2e-14	5e-08
8:	9.0000e+00	9.0000e+00	2e-08	6e-09	2e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6607e+00	3.6659e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1297e+00	6.1317e+00	2e+00	6e-01	9e-16	5e-02
3:	6.8021e+00	6.8027e+00	4e-01	1e-01	6e-16	1e-02
4:	6.9791e+00	6.9793e+00	1e-01	4e-02	1e-15	3e-03
5:	7.0035e+00	7.0036e+00	5e-02	1e-02	6e-15	1e-03
6:	7.0241e+00	7.0241e+00	2e-03	5e-04	6e-16	4e-05
7:	7.0247e+00	7.0247e+00	2e-04	7e-05	8e-14	6e-06
8:	7.0248e+00	7.0248e+00	6e-06	2e-06	3e-13	1e-07
9:	7.0248e+00	7.0248e+00	6e-08	2e-08	2e-13	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4919e+00	5.4974e+00	8e+00	2e+00	2e-16	2e-01
2:	8.3080e+00	8.3096e+00	1e+00	5e-01	2e-15	3e-02
3:	8.8778e+00	8.8785e+00	5e-01	1e-01	9e-16	1e-02
4:	8.9785e+00	8.9787e+00	6e-02	2e-02	8e-15	2e-03
5:	8.9998e+00	8.9998e+00	6e-04	2e-04	1e-15	2e-05
6:	9.0000e+00	9.0000e+00	6e-06	2e-06	8e-16	2e-07
7:	9.0000e+00	9.0000e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.7593e+00	3.7716e+00	8e+00	2e+00	3e-16	2e-01
2:	6.8120e+00	6.8155e+00	2e+00	5e-01	1e-15	3e-02
3:	7.2902e+00	7.2907e+00	2e-01	6e-02	5e-16	4e-03
4:	7.3512e+00	7.3513e+00	3e-02	9e-03	1e-15	6e-04
5:	7.3639e+00	7.3639e+00	4e-03	1e-03	7e-16	8e-05
6:	7.3655e+00	7.3655e+00	4e-05	1e-05	8e-16	8e-07
7:	7.3655e+00	7.3655e+00	4e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5343e+00	4.5406e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4695e+00	7.4725e+00	2e+00	7e-01	1e-15	5e-02
3:	8.3610e+00	8.3618e+00	6e-01	2e-01	6e-16	1e-02
4:	8.5909e+00	8.5910e+00	6e-02	2e-02	1e-15	1e-03
5:	8.6152e+00	8.6152e+00	1e-03	3e-04	3e-15	2e-05
6:	8.6157e+00	8.6157e+00	1e-05	3e-06	2e-15	2e-07
7:	8.6157e+00	8.6157e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.3223e+00	4.3197e+00	6e+00	2e+00	2e-16	2e-01
2:	7.2475e+00	7.2466e+00	1e+00	4e-01	1e-15	3e-02
3:	7.8698e+00	7.8696e+00	2e-01	5e-02	2e-15	4e-03
4:	7.9183e+00	7.9183e+00	4e-02	1e-02	3e-14	1e-03
5:	7.9320e+00	7.9320e+00	2e-02	5e-03	1e-14	4e-04
6:	7.9380e+00	7.9380e+00	2e-04	7e-05	5e-15	6e-06
7:	7.9381e+00	7.9381e+00	2e-06	7e-07	4e-15	6e-08
8:	7.9381e+00	7.9381e+00	2e-08	7e-09	4e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2174e+00	4.2185e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7067e+00	6.7073e+00	2e+00	6e-01	2e-15	4e-02
3:	7.1305e+00	7.1309e+00	6e-01	2e-01	1e-15	1e-02
4:	7.3208e+00	7.3208e+00	1e-01	3e-02	4e-16	3e-03
5:	7.3657e+00	7.3657e+00	1e-02	4e-03	5e-16	3e-04
6:	7.3696e+00	7.3696e+00	2e-03	8e-04	3e-15	6e-05
7:	7.3706e+00	7.3706e+00	3e-05	9e-06	4e-16	7e-07
8:	7.3707e+00	7.3707e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3942e+00	4.4039e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2823e+00	7.2854e+00	2e+00	5e-01	2e-15	4e-02
3:	7.8262e+00	7.8268e+00	2e-01	8e-02	8e-16	6e-03
4:	7.9318e+00	7.9318e+00	2e-02	5e-03	1e-15	4e-04
5:	7.9380e+00	7.9380e+00	2e-04	5e-05	1e-15	4e-06
6:	7.9381e+00	7.9381e+00	2e-06	5e-07	2e-15	4e-08
7:	7.9381e+00	7.9381e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7319e+00	5.7384e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6924e+00	8.6939e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9879e+00	8.9879e+00	4e-02	1e-02	2e-15	8e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	9e-16	8e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	7e-16	8e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3848e+00	4.3936e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5205e+00	7.5230e+00	1e+00	5e-01	1e-15	3e-02
3:	8.1134e+00	8.1140e+00	3e-01	1e-01	1e-15	7e-03
4:	8.2622e+00	8.2623e+00	3e-02	1e-02	1e-15	8e-04
5:	8.2738e+00	8.2738e+00	4e-03	1e-03	1e-14	9e-05
6:	8.2754e+00	8.2754e+00	4e-05	1e-05	3e-15	9e-07
7:	8.2755e+00	8.2755e+00	4e-07	1e-07	2e-15	9e-09



Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.1167e+00	4.1258e+00	8e+00	2e+00	3e-16	2e-01
2:	6.7388e+00	6.7416e+00	2e+00	5e-01	7e-16	4e-02
3:	7.3344e+00	7.3349e+00	3e-01	9e-02	6e-16	7e-03
4:	7.4629e+00	7.4630e+00	6e-02	2e-02	7e-16	1e-03
5:	7.4871e+00	7.4871e+00	4e-03	1e-03	4e-15	1e-04
6:	7.4887e+00	7.4887e+00	4e-05	1e-05	7e-15	1e-06
7:	7.4887e+00	7.4887e+00	4e-07	1e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1605e+00	5.1624e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6216e+00	7.6223e+00	2e+00	6e-01	2e-15	5e-02
3:	8.3414e+00	8.3417e+00	6e-01	2e-01	2e-15	2e-02
4:	8.7048e+00	8.7048e+00	4e-02	1e-02	1e-15	1e-03
5:	8.7218e+00	8.7218e+00	2e-03	8e-04	6e-15	6e-05
6:	8.7226e+00	8.7226e+00	3e-04	1e-04	7e-14	8e-06
7:	8.7227e+00	8.7227e+00	4e-06	1e-06	1e-14	9e-08
8:	8.7227e+00	8.7227e+00	4e-08	1e-08	2e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6629e+00	5.6695e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2838e+00	8.2855e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8909e+00	8.8913e+00	3e-01	1e-01	2e-15	8e-03
4:	8.9710e+00	8.9712e+00	7e-02	2e-02	1e-14	2e-03
5:	8.9997e+00	8.9997e+00	8e-04	2e-04	4e-16	2e-05
6:	9.0000e+00	9.0000e+00	8e-06	2e-06	6e-16	2e-07
7:	9.0000e+00	9.0000e+00	8e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6653e+00	4.6667e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6328e+00	7.6333e+00	2e+00	5e-01	2e-15	4e-02
3:	8.2644e+00	8.2645e+00	5e-01	2e-01	2e-15	1e-02
4:	8.3866e+00	8.3866e+00	2e-01	5e-02	6e-15	4e-03
5:	8.4446e+00	8.4446e+00	5e-02	2e-02	2e-15	1e-03
6:	8.4632e+00	8.4632e+00	2e-03	8e-04	2e-15	6e-05
7:	8.4643e+00	8.4643e+00	2e-05	8e-06	6e-16	6e-07
8:	8.4643e+00	8.4643e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2615e+00	5.2622e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5344e+00	8.5346e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9493e+00	8.9494e+00	2e-01	6e-02	2e-15	5e-03

4:	8.9995e+00	8.9995e+00	2e-03	7e-04	2e-15	5e-05
5:	9.0000e+00	9.0000e+00	2e-05	7e-06	2e-15	5e-07
6:	9.0000e+00	9.0000e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2452e+00	5.2443e+00	6e+00	2e+00	3e-16	2e-01
2:	8.6128e+00	8.6125e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9472e+00	8.9471e+00	2e-01	5e-02	3e-15	4e-03
4:	8.9994e+00	8.9994e+00	2e-03	6e-04	5e-16	5e-05
5:	9.0000e+00	9.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	9.0000e+00	9.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1715e+00	5.1786e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2249e+00	8.2272e+00	1e+00	5e-01	2e-15	3e-02
3:	8.7769e+00	8.7775e+00	3e-01	9e-02	1e-15	6e-03
4:	8.8900e+00	8.8902e+00	8e-02	3e-02	2e-15	2e-03
5:	8.8986e+00	8.8988e+00	5e-02	2e-02	8e-15	1e-03
6:	8.9171e+00	8.9171e+00	8e-03	2e-03	2e-15	2e-04
7:	8.9204e+00	8.9204e+00	9e-05	3e-05	1e-15	2e-06
8:	8.9204e+00	8.9204e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2276e+00	4.2283e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5510e+00	7.5512e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9279e+00	7.9280e+00	3e-01	1e-01	2e-15	8e-03
4:	8.0122e+00	8.0122e+00	6e-02	2e-02	4e-15	1e-03
5:	8.0270e+00	8.0270e+00	9e-03	3e-03	6e-15	2e-04
6:	8.0305e+00	8.0305e+00	1e-03	3e-04	2e-15	2e-05
7:	8.0308e+00	8.0308e+00	1e-05	3e-06	3e-15	2e-07
8:	8.0309e+00	8.0309e+00	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1468e+00	5.1514e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2873e+00	8.2886e+00	1e+00	4e-01	1e-15	3e-02
3:	8.8142e+00	8.8145e+00	2e-01	6e-02	1e-15	4e-03
4:	8.9049e+00	8.9049e+00	4e-03	1e-03	2e-15	9e-05
5:	8.9066e+00	8.9066e+00	4e-05	1e-05	1e-15	9e-07
6:	8.9066e+00	8.9066e+00	4e-07	1e-07	8e-16	9e-09
7:	8.9066e+00	8.9066e+00	4e-09	1e-09	2e-15	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3480e+00	5.3557e+00	7e+00	2e+00	4e-16	2e-01

2:	9.3534e+00	9.3555e+00	1e+00	4e-01	3e-15	3e-02
3:	9.7927e+00	9.7932e+00	2e-01	6e-02	2e-15	5e-03
4:	9.8723e+00	9.8724e+00	3e-02	1e-02	1e-15	8e-04
5:	9.8856e+00	9.8856e+00	3e-04	1e-04	1e-15	8e-06
6:	9.8857e+00	9.8857e+00	3e-06	1e-06	1e-15	8e-08
7:	9.8857e+00	9.8857e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0779e+00	5.0819e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1982e+00	8.1998e+00	2e+00	6e-01	3e-15	4e-02
3:	8.8636e+00	8.8639e+00	3e-01	9e-02	1e-15	7e-03
4:	8.9349e+00	8.9350e+00	7e-02	2e-02	8e-15	2e-03
5:	8.9662e+00	8.9662e+00	4e-03	1e-03	2e-15	9e-05
6:	8.9676e+00	8.9676e+00	4e-05	1e-05	2e-15	9e-07
7:	8.9676e+00	8.9676e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2095e+00	7.2106e+00	6e+00	2e+00	3e-16	2e-01
2:	9.4979e+00	9.4982e+00	1e+00	4e-01	8e-16	3e-02
3:	9.9908e+00	9.9908e+00	3e-02	9e-03	9e-16	7e-04
4:	9.9999e+00	9.9999e+00	3e-04	9e-05	7e-16	7e-06
5:	1.0000e+01	1.0000e+01	3e-06	9e-07	8e-16	7e-08
6:	1.0000e+01	1.0000e+01	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2091e+00	4.2130e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9983e+00	6.9997e+00	2e+00	5e-01	1e-15	4e-02
3:	7.5378e+00	7.5381e+00	3e-01	9e-02	6e-16	7e-03
4:	7.6464e+00	7.6464e+00	5e-02	2e-02	3e-15	1e-03
5:	7.6656e+00	7.6656e+00	6e-03	2e-03	2e-15	2e-04
6:	7.6678e+00	7.6678e+00	6e-05	2e-05	1e-15	2e-06
7:	7.6678e+00	7.6678e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4384e+00	6.4414e+00	7e+00	2e+00	5e-16	2e-01
2:	9.4848e+00	9.4856e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9615e+00	9.9616e+00	2e-01	5e-02	3e-15	4e-03
4:	9.9994e+00	9.9994e+00	2e-03	6e-04	4e-15	5e-05
5:	1.0000e+01	1.0000e+01	2e-05	6e-06	4e-15	5e-07
6:	1.0000e+01	1.0000e+01	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5668e+00	4.5701e+00	7e+00	2e+00	3e-16	2e-01

2:	7.1740e+00	7.1753e+00	2e+00	6e-01	1e-15	4e-02
3:	7.8881e+00	7.8885e+00	4e-01	1e-01	1e-15	1e-02
4:	8.0808e+00	8.0809e+00	8e-02	3e-02	1e-15	2e-03
5:	8.1131e+00	8.1131e+00	1e-02	3e-03	6e-15	2e-04
6:	8.1173e+00	8.1173e+00	1e-03	3e-04	1e-15	2e-05
7:	8.1176e+00	8.1176e+00	1e-05	3e-06	5e-15	2e-07
8:	8.1177e+00	8.1177e+00	1e-07	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4612e+00	5.4638e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1528e+00	9.1538e+00	2e+00	6e-01	2e-15	5e-02
3:	9.8818e+00	9.8822e+00	4e-01	1e-01	2e-15	1e-02
4:	9.9954e+00	9.9954e+00	1e-02	4e-03	2e-15	3e-04
5:	1.0000e+01	1.0000e+01	1e-04	4e-05	2e-15	3e-06
6:	1.0000e+01	1.0000e+01	1e-06	4e-07	2e-15	3e-08
7:	1.0000e+01	1.0000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5231e+00	5.5255e+00	7e+00	2e+00	2e-16	2e-01
2:	8.1668e+00	8.1676e+00	1e+00	5e-01	2e-15	4e-02
3:	8.6927e+00	8.6929e+00	4e-01	1e-01	2e-15	1e-02
4:	8.8296e+00	8.8297e+00	1e-01	4e-02	2e-15	3e-03
5:	8.8885e+00	8.8885e+00	1e-02	4e-03	1e-15	3e-04
6:	8.8934e+00	8.8934e+00	2e-03	7e-04	7e-16	5e-05
7:	8.8941e+00	8.8941e+00	3e-04	1e-04	3e-15	7e-06
8:	8.8942e+00	8.8942e+00	3e-06	1e-06	6e-16	8e-08
9:	8.8942e+00	8.8942e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2690e+00	6.2702e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4460e+00	9.4464e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9408e+00	9.9408e+00	2e-01	7e-02	3e-15	6e-03
4:	9.9993e+00	9.9993e+00	3e-03	8e-04	3e-15	7e-05
5:	1.0000e+01	1.0000e+01	3e-05	8e-06	2e-15	7e-07
6:	1.0000e+01	1.0000e+01	3e-07	8e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4059e+00	6.4091e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8839e+00	8.8847e+00	1e+00	4e-01	1e-15	3e-02
3:	9.5141e+00	9.5143e+00	2e-01	8e-02	8e-16	6e-03
4:	9.6118e+00	9.6119e+00	3e-02	1e-02	1e-15	8e-04
5:	9.6226e+00	9.6226e+00	2e-03	5e-04	5e-15	4e-05
6:	9.6232e+00	9.6232e+00	2e-05	5e-06	2e-15	4e-07
7:	9.6232e+00	9.6232e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5587e+00	5.5632e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6905e+00	8.6916e+00	1e+00	4e-01	1e-15	3e-02
3:	9.1039e+00	9.1042e+00	3e-01	8e-02	2e-15	6e-03
4:	9.2230e+00	9.2230e+00	6e-02	2e-02	1e-15	1e-03
5:	9.2506e+00	9.2506e+00	5e-03	2e-03	2e-15	1e-04
6:	9.2529e+00	9.2529e+00	2e-04	7e-05	9e-15	6e-06
7:	9.2530e+00	9.2530e+00	2e-06	7e-07	1e-15	6e-08
8:	9.2530e+00	9.2530e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1185e+00	5.1207e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4592e+00	8.4600e+00	2e+00	5e-01	2e-15	4e-02
3:	9.0666e+00	9.0668e+00	4e-01	1e-01	1e-15	9e-03
4:	9.1856e+00	9.1856e+00	6e-02	2e-02	4e-15	1e-03
5:	9.2126e+00	9.2126e+00	2e-03	5e-04	8e-16	4e-05
6:	9.2133e+00	9.2133e+00	2e-05	5e-06	8e-16	4e-07
7:	9.2133e+00	9.2133e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3267e+00	7.3287e+00	6e+00	2e+00	3e-16	1e-01
2:	9.6485e+00	9.6489e+00	7e-01	2e-01	2e-15	2e-02
3:	9.9571e+00	9.9572e+00	1e-01	5e-02	6e-15	4e-03
4:	9.9988e+00	9.9988e+00	3e-03	1e-03	8e-15	8e-05
5:	1.0000e+01	1.0000e+01	3e-05	1e-05	4e-15	8e-07
6:	1.0000e+01	1.0000e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9920e+00	6.0013e+00	8e+00	2e+00	3e-16	2e-01
2:	9.3080e+00	9.3109e+00	2e+00	5e-01	1e-15	4e-02
3:	9.9341e+00	9.9347e+00	3e-01	9e-02	9e-16	6e-03
4:	9.9875e+00	9.9876e+00	3e-02	1e-02	1e-14	8e-04
5:	9.9999e+00	9.9999e+00	3e-04	1e-04	1e-15	8e-06
6:	1.0000e+01	1.0000e+01	3e-06	1e-06	1e-15	8e-08
7:	1.0000e+01	1.0000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1038e+00	5.1149e+00	8e+00	2e+00	3e-16	2e-01
2:	7.3655e+00	7.3716e+00	3e+00	1e+00	2e-15	7e-02
3:	8.4151e+00	8.4168e+00	7e-01	2e-01	1e-15	2e-02
4:	8.5865e+00	8.5873e+00	2e-01	7e-02	2e-15	6e-03
5:	8.6704e+00	8.6706e+00	6e-02	2e-02	8e-16	1e-03

6:	8.6914e+00	8.6914e+00	2e-03	5e-04	1e-15	4e-05
7:	8.6921e+00	8.6921e+00	2e-05	5e-06	6e-16	4e-07
8:	8.6921e+00	8.6921e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7361e+00	6.7423e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6511e+00	9.6523e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9935e+00	9.9935e+00	2e-02	6e-03	2e-15	4e-04
4:	9.9999e+00	9.9999e+00	2e-04	6e-05	9e-16	4e-06
5:	1.0000e+01	1.0000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.0000e+01	1.0000e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3038e+00	5.3095e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0196e+00	9.0207e+00	9e-01	3e-01	2e-15	2e-02
3:	9.4267e+00	9.4270e+00	2e-01	6e-02	1e-15	4e-03
4:	9.4746e+00	9.4747e+00	4e-02	1e-02	1e-15	1e-03
5:	9.4885e+00	9.4886e+00	1e-02	3e-03	5e-15	3e-04
6:	9.4924e+00	9.4924e+00	4e-04	1e-04	9e-15	9e-06
7:	9.4926e+00	9.4926e+00	4e-06	1e-06	1e-15	9e-08
8:	9.4926e+00	9.4926e+00	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3431e+00	6.3472e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4766e+00	9.4777e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9538e+00	9.9540e+00	1e-01	4e-02	3e-15	3e-03
4:	9.9995e+00	9.9995e+00	2e-03	5e-04	2e-15	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	5e-06	2e-15	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7644e+00	5.7705e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4907e+00	8.4926e+00	2e+00	5e-01	8e-16	4e-02
3:	9.0517e+00	9.0525e+00	5e-01	2e-01	7e-16	1e-02
4:	9.2410e+00	9.2411e+00	7e-02	2e-02	7e-16	2e-03
5:	9.2664e+00	9.2665e+00	1e-02	5e-03	4e-15	4e-04
6:	9.2718e+00	9.2718e+00	3e-04	8e-05	4e-15	6e-06
7:	9.2719e+00	9.2719e+00	3e-06	8e-07	3e-15	6e-08
8:	9.2719e+00	9.2719e+00	3e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9327e+00	5.9358e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2844e+00	9.2855e+00	2e+00	5e-01	3e-15	4e-02

3:	9.8832e+00	9.8834e+00	4e-01	1e-01	2e-15	9e-03
4:	9.9888e+00	9.9888e+00	3e-02	1e-02	6e-15	8e-04
5:	9.9999e+00	9.9999e+00	3e-04	1e-04	7e-16	8e-06
6:	1.0000e+01	1.0000e+01	3e-06	1e-06	7e-16	8e-08
7:	1.0000e+01	1.0000e+01	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7579e+00	4.7592e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7291e+00	7.7297e+00	2e+00	6e-01	1e-15	4e-02
3:	8.4493e+00	8.4496e+00	5e-01	2e-01	7e-16	1e-02
4:	8.5711e+00	8.5712e+00	6e-02	2e-02	1e-15	2e-03
5:	8.5918e+00	8.5918e+00	8e-03	3e-03	9e-16	2e-04
6:	8.5948e+00	8.5948e+00	8e-04	3e-04	3e-15	2e-05
7:	8.5951e+00	8.5951e+00	2e-05	7e-06	5e-14	5e-07
8:	8.5951e+00	8.5951e+00	2e-07	7e-08	1e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2883e+00	5.2908e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0538e+00	8.0549e+00	2e+00	5e-01	7e-16	4e-02
3:	8.8719e+00	8.8721e+00	2e-01	6e-02	8e-16	5e-03
4:	8.9369e+00	8.9369e+00	3e-02	8e-03	2e-15	7e-04
5:	8.9458e+00	8.9458e+00	3e-03	8e-04	2e-14	6e-05
6:	8.9468e+00	8.9468e+00	3e-05	8e-06	2e-15	6e-07
7:	8.9468e+00	8.9468e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5753e+00	4.5757e+00	6e+00	2e+00	4e-16	2e-01
2:	8.1331e+00	8.1332e+00	1e+00	4e-01	1e-15	3e-02
3:	8.4287e+00	8.4288e+00	5e-01	2e-01	2e-15	1e-02
4:	8.6380e+00	8.6380e+00	6e-02	2e-02	7e-16	2e-03
5:	8.6605e+00	8.6605e+00	1e-02	4e-03	1e-15	3e-04
6:	8.6652e+00	8.6652e+00	2e-04	7e-05	3e-15	5e-06
7:	8.6653e+00	8.6653e+00	2e-06	7e-07	1e-15	5e-08
8:	8.6653e+00	8.6653e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6519e+00	6.6569e+00	7e+00	2e+00	4e-16	2e-01
2:	8.9226e+00	8.9243e+00	2e+00	6e-01	1e-15	4e-02
3:	9.7629e+00	9.7635e+00	5e-01	2e-01	2e-15	1e-02
4:	9.9715e+00	9.9716e+00	1e-01	3e-02	4e-15	2e-03
5:	9.9971e+00	9.9971e+00	7e-03	2e-03	3e-14	2e-04
6:	1.0000e+01	1.0000e+01	7e-05	2e-05	3e-15	2e-06
7:	1.0000e+01	1.0000e+01	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5612e+00	6.5635e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4293e+00	9.4300e+00	1e+00	5e-01	2e-15	4e-02
3:	9.9553e+00	9.9553e+00	1e-01	3e-02	3e-15	3e-03
4:	9.9995e+00	9.9995e+00	1e-03	4e-04	1e-15	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	9e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3210e+00	4.3212e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9606e+00	6.9607e+00	2e+00	7e-01	3e-15	5e-02
3:	7.9079e+00	7.9080e+00	6e-01	2e-01	1e-15	1e-02
4:	8.0979e+00	8.0979e+00	2e-01	5e-02	1e-14	4e-03
5:	8.1753e+00	8.1753e+00	1e-02	5e-03	2e-15	4e-04
6:	8.1814e+00	8.1814e+00	2e-04	7e-05	3e-15	5e-06
7:	8.1815e+00	8.1815e+00	2e-06	7e-07	1e-15	5e-08
8:	8.1815e+00	8.1815e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7235e+00	4.7235e+00	6e+00	2e+00	3e-16	2e-01
2:	8.2136e+00	8.2136e+00	1e+00	4e-01	2e-15	3e-02
3:	8.6707e+00	8.6707e+00	3e-01	9e-02	1e-15	7e-03
4:	8.7772e+00	8.7772e+00	7e-02	2e-02	7e-15	2e-03
5:	8.7951e+00	8.7951e+00	2e-02	5e-03	3e-14	4e-04
6:	8.8027e+00	8.8027e+00	3e-03	1e-03	8e-15	8e-05
7:	8.8039e+00	8.8039e+00	4e-05	1e-05	3e-14	9e-07
8:	8.8039e+00	8.8039e+00	4e-07	1e-07	2e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3418e+00	6.3434e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6563e+00	9.6567e+00	1e+00	3e-01	3e-15	3e-02
3:	9.9733e+00	9.9733e+00	7e-02	2e-02	6e-15	2e-03
4:	9.9997e+00	9.9997e+00	7e-04	2e-04	1e-15	2e-05
5:	1.0000e+01	1.0000e+01	7e-06	2e-06	1e-15	2e-07
6:	1.0000e+01	1.0000e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0250e+00	6.0312e+00	7e+00	2e+00	4e-16	2e-01
2:	9.1951e+00	9.1973e+00	2e+00	5e-01	9e-16	3e-02
3:	9.7705e+00	9.7712e+00	4e-01	1e-01	9e-16	9e-03
4:	9.8701e+00	9.8704e+00	1e-01	4e-02	5e-15	3e-03
5:	9.8867e+00	9.8869e+00	1e-01	4e-02	6e-15	3e-03
6:	9.9283e+00	9.9283e+00	6e-03	2e-03	3e-15	1e-04



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7:  9.9304e+00  9.9304e+00  6e-05  2e-05  5e-15  1e-06
8:  9.9304e+00  9.9304e+00  6e-07  2e-07  3e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.7613e+00  5.7635e+00  7e+00  2e+00  3e-16  2e-01
2:  9.6565e+00  9.6570e+00  1e+00  4e-01  2e-15  3e-02
3:  9.9467e+00  9.9469e+00  1e-01  5e-02  5e-15  4e-03
4:  9.9994e+00  9.9994e+00  2e-03  5e-04  1e-15  4e-05
5:  1.0000e+01  1.0000e+01  2e-05  5e-06  1e-15  4e-07
6:  1.0000e+01  1.0000e+01  2e-07  5e-08  2e-15  4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  4.1875e+00  4.1957e+00  7e+00  2e+00  3e-16  2e-01
2:  7.2359e+00  7.2385e+00  2e+00  6e-01  1e-15  4e-02
3:  7.7847e+00  7.7857e+00  5e-01  2e-01  1e-15  1e-02
4:  7.9953e+00  7.9954e+00  4e-02  1e-02  1e-15  1e-03
5:  8.0130e+00  8.0130e+00  5e-04  2e-04  5e-16  1e-05
6:  8.0132e+00  8.0132e+00  5e-06  2e-06  6e-16  1e-07
7:  8.0132e+00  8.0132e+00  5e-08  2e-08  7e-16  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.9102e+00  5.9125e+00  7e+00  2e+00  3e-16  2e-01
2:  8.9893e+00  8.9900e+00  2e+00  5e-01  1e-15  4e-02
3:  9.5468e+00  9.5472e+00  5e-01  2e-01  1e-15  1e-02
4:  9.7131e+00  9.7133e+00  1e-01  4e-02  2e-15  3e-03
5:  9.7672e+00  9.7672e+00  7e-03  2e-03  7e-16  2e-04
6:  9.7707e+00  9.7707e+00  8e-05  3e-05  1e-15  2e-06
7:  9.7707e+00  9.7707e+00  8e-07  3e-07  1e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  5.9176e+00  5.9241e+00  8e+00  2e+00  3e-16  2e-01
2:  9.4106e+00  9.4126e+00  2e+00  5e-01  2e-15  3e-02
3:  9.8875e+00  9.8882e+00  4e-01  1e-01  1e-15  1e-02
4:  9.9940e+00  9.9940e+00  2e-02  6e-03  4e-15  4e-04
5:  9.9999e+00  9.9999e+00  2e-04  6e-05  1e-15  4e-06
6:  1.0000e+01  1.0000e+01  2e-06  6e-07  1e-15  4e-08
7:  1.0000e+01  1.0000e+01  2e-08  6e-09  1e-15  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.4268e+00  5.4308e+00  7e+00  2e+00  3e-16  2e-01
2:  8.0510e+00  8.0528e+00  2e+00  7e-01  8e-16  5e-02
3:  8.9499e+00  8.9503e+00  3e-01  1e-01  6e-16  8e-03
4:  9.0642e+00  9.0642e+00  3e-02  1e-02  1e-15  8e-04

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5:	9.0781e+00	9.0781e+00	3e-04	1e-04	6e-16	8e-06
6:	9.0782e+00	9.0782e+00	3e-06	1e-06	7e-16	8e-08
7:	9.0782e+00	9.0782e+00	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1230e+00	5.1253e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0885e+00	8.0895e+00	2e+00	6e-01	1e-15	5e-02
3:	8.9630e+00	8.9634e+00	4e-01	1e-01	8e-16	1e-02
4:	9.0997e+00	9.0998e+00	6e-02	2e-02	8e-15	2e-03
5:	9.1194e+00	9.1194e+00	2e-02	5e-03	3e-15	4e-04
6:	9.1250e+00	9.1250e+00	3e-04	8e-05	3e-15	7e-06
7:	9.1251e+00	9.1251e+00	3e-06	8e-07	2e-15	7e-08
8:	9.1251e+00	9.1251e+00	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2047e+00	5.2098e+00	7e+00	2e+00	4e-16	2e-01
2:	7.9446e+00	7.9464e+00	2e+00	5e-01	1e-15	4e-02
3:	8.4384e+00	8.4388e+00	3e-01	1e-01	9e-16	7e-03
4:	8.5677e+00	8.5678e+00	8e-02	3e-02	1e-15	2e-03
5:	8.6093e+00	8.6093e+00	8e-03	3e-03	1e-15	2e-04
6:	8.6127e+00	8.6127e+00	1e-04	4e-05	3e-15	3e-06
7:	8.6127e+00	8.6127e+00	1e-06	4e-07	5e-15	3e-08
8:	8.6127e+00	8.6127e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8320e+00	6.8367e+00	6e+00	2e+00	4e-16	1e-01
2:	9.6529e+00	9.6541e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9827e+00	9.9827e+00	5e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	2e-04	9e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	2e-06	5e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0915e+00	6.0957e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1420e+00	9.1434e+00	2e+00	5e-01	1e-15	4e-02
3:	9.8224e+00	9.8226e+00	2e-01	7e-02	2e-15	6e-03
4:	9.9065e+00	9.9066e+00	7e-02	2e-02	6e-15	2e-03
5:	9.9306e+00	9.9306e+00	1e-02	4e-03	8e-15	3e-04
6:	9.9358e+00	9.9358e+00	5e-04	2e-04	1e-15	1e-05
7:	9.9360e+00	9.9360e+00	5e-06	2e-06	1e-15	1e-07
8:	9.9360e+00	9.9360e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	4.6793e+00	4.6868e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5022e+00	7.5052e+00	2e+00	6e-01	2e-15	4e-02
3:	8.0667e+00	8.0676e+00	5e-01	1e-01	9e-16	1e-02
4:	8.1989e+00	8.1991e+00	9e-02	3e-02	2e-15	2e-03
5:	8.2353e+00	8.2353e+00	9e-03	3e-03	8e-16	2e-04
6:	8.2395e+00	8.2395e+00	1e-04	3e-05	1e-15	2e-06
7:	8.2395e+00	8.2395e+00	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6856e+00	5.6864e+00	6e+00	2e+00	4e-16	2e-01
2:	8.3359e+00	8.3362e+00	2e+00	5e-01	2e-15	4e-02
3:	9.0799e+00	9.0800e+00	4e-01	1e-01	3e-15	1e-02
4:	9.2781e+00	9.2781e+00	7e-02	2e-02	4e-15	2e-03
5:	9.3162e+00	9.3162e+00	9e-04	3e-04	9e-16	2e-05
6:	9.3167e+00	9.3167e+00	9e-06	3e-06	7e-16	2e-07
7:	9.3167e+00	9.3167e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3395e+00	6.3419e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4627e+00	9.4634e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9738e+00	9.9740e+00	9e-02	3e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	9e-04	3e-04	4e-16	2e-05
5:	1.0000e+01	1.0000e+01	9e-06	3e-06	5e-16	2e-07
6:	1.0000e+01	1.0000e+01	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7519e+00	4.7624e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8907e+00	6.8948e+00	2e+00	7e-01	2e-15	5e-02
3:	7.5298e+00	7.5311e+00	6e-01	2e-01	6e-16	1e-02
4:	7.7120e+00	7.7122e+00	7e-02	2e-02	1e-15	2e-03
5:	7.7404e+00	7.7404e+00	1e-02	3e-03	1e-15	2e-04
6:	7.7446e+00	7.7446e+00	2e-03	6e-04	8e-16	4e-05
7:	7.7453e+00	7.7453e+00	2e-05	7e-06	2e-15	5e-07
8:	7.7453e+00	7.7453e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0609e+00	6.0624e+00	6e+00	2e+00	3e-16	2e-01
2:	9.2146e+00	9.2152e+00	2e+00	5e-01	1e-15	4e-02
3:	9.8471e+00	9.8473e+00	4e-01	1e-01	2e-15	1e-02
4:	9.9734e+00	9.9734e+00	9e-02	3e-02	2e-15	2e-03
5:	9.9949e+00	9.9949e+00	1e-02	4e-03	3e-14	3e-04
6:	9.9999e+00	9.9999e+00	1e-04	4e-05	2e-15	4e-06
7:	1.0000e+01	1.0000e+01	1e-06	4e-07	4e-15	4e-08
8:	1.0000e+01	1.0000e+01	1e-08	4e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6844e+00	6.6871e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4522e+00	9.4531e+00	2e+00	5e-01	7e-16	4e-02
3:	9.9564e+00	9.9566e+00	1e-01	4e-02	2e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	5e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3923e+00	5.4013e+00	7e+00	2e+00	4e-16	2e-01
2:	8.7137e+00	8.7167e+00	2e+00	5e-01	1e-15	3e-02
3:	9.1877e+00	9.1888e+00	5e-01	2e-01	8e-16	1e-02
4:	9.3084e+00	9.3087e+00	1e-01	4e-02	2e-15	3e-03
5:	9.3577e+00	9.3577e+00	6e-03	2e-03	8e-16	1e-04
6:	9.3601e+00	9.3601e+00	6e-05	2e-05	7e-16	1e-06
7:	9.3601e+00	9.3601e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4863e+00	5.4876e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9814e+00	8.9818e+00	1e+00	4e-01	3e-15	3e-02
3:	9.4495e+00	9.4496e+00	3e-01	1e-01	2e-15	8e-03
4:	9.5968e+00	9.5968e+00	3e-02	1e-02	3e-15	8e-04
5:	9.5993e+00	9.5993e+00	2e-02	7e-03	3e-14	6e-04
6:	9.6096e+00	9.6096e+00	2e-03	6e-04	3e-15	5e-05
7:	9.6103e+00	9.6103e+00	2e-05	7e-06	1e-14	6e-07
8:	9.6103e+00	9.6103e+00	2e-07	7e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2980e+00	6.3034e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5753e+00	9.5772e+00	1e+00	4e-01	8e-16	3e-02
3:	9.9493e+00	9.9496e+00	1e-01	4e-02	2e-15	3e-03
4:	9.9995e+00	9.9995e+00	1e-03	4e-04	7e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	5e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6708e+00	6.6734e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5872e+00	9.5879e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9844e+00	9.9844e+00	4e-02	1e-02	3e-15	1e-03
4:	9.9998e+00	9.9998e+00	4e-04	1e-04	1e-15	1e-05
5:	1.0000e+01	1.0000e+01	4e-06	1e-06	9e-16	1e-07
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9159e+00	5.9191e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4829e+00	9.4838e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9764e+00	9.9765e+00	9e-02	3e-02	5e-15	2e-03
4:	9.9998e+00	9.9998e+00	9e-04	3e-04	3e-15	2e-05
5:	1.0000e+01	1.0000e+01	9e-06	3e-06	2e-15	2e-07
6:	1.0000e+01	1.0000e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6293e+00	7.6344e+00	7e+00	2e+00	3e-16	1e-01
2:	1.0809e+01	1.0810e+01	7e-01	2e-01	2e-15	2e-02
3:	1.0995e+01	1.0995e+01	2e-02	5e-03	2e-15	4e-04
4:	1.1000e+01	1.1000e+01	2e-04	5e-05	8e-16	4e-06
5:	1.1000e+01	1.1000e+01	2e-06	5e-07	8e-16	4e-08
6:	1.1000e+01	1.1000e+01	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9039e+00	6.9086e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4098e+00	9.4113e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0329e+01	1.0329e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0557e+01	1.0557e+01	5e-02	2e-02	1e-15	1e-03
5:	1.0576e+01	1.0576e+01	2e-03	6e-04	8e-15	5e-05
6:	1.0577e+01	1.0577e+01	2e-05	6e-06	2e-15	5e-07
7:	1.0577e+01	1.0577e+01	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2545e+00	6.2596e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8741e+00	9.8754e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0699e+01	1.0699e+01	3e-01	9e-02	2e-15	6e-03
4:	1.0843e+01	1.0843e+01	2e-02	7e-03	3e-15	5e-04
5:	1.0854e+01	1.0854e+01	1e-03	3e-04	5e-14	3e-05
6:	1.0854e+01	1.0854e+01	1e-05	3e-06	2e-14	3e-07
7:	1.0854e+01	1.0854e+01	1e-07	3e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6308e+00	4.6329e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8521e+00	7.8529e+00	2e+00	6e-01	1e-15	5e-02
3:	8.5198e+00	8.5201e+00	5e-01	2e-01	2e-15	1e-02
4:	8.7093e+00	8.7094e+00	9e-02	3e-02	2e-15	2e-03
5:	8.7565e+00	8.7565e+00	3e-03	8e-04	7e-16	6e-05
6:	8.7577e+00	8.7577e+00	3e-05	8e-06	6e-16	6e-07
7:	8.7577e+00	8.7577e+00	3e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5513e+00	6.5584e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8336e+00	9.8359e+00	1e+00	5e-01	1e-15	3e-02
3:	1.0445e+01	1.0446e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0563e+01	1.0563e+01	5e-02	2e-02	4e-15	1e-03
5:	1.0584e+01	1.0584e+01	5e-03	2e-03	4e-15	1e-04
6:	1.0586e+01	1.0586e+01	8e-05	3e-05	6e-15	2e-06
7:	1.0586e+01	1.0586e+01	8e-07	3e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5150e+00	5.5161e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4233e+00	8.4237e+00	1e+00	4e-01	1e-15	3e-02
3:	9.0696e+00	9.0697e+00	3e-01	8e-02	8e-16	6e-03
4:	9.1689e+00	9.1689e+00	4e-02	1e-02	3e-15	9e-04
5:	9.1856e+00	9.1856e+00	4e-03	1e-03	2e-15	1e-04
6:	9.1872e+00	9.1872e+00	4e-05	1e-05	5e-15	1e-06
7:	9.1873e+00	9.1873e+00	4e-07	1e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3020e+00	7.3048e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0393e+01	1.0394e+01	1e+00	5e-01	2e-15	4e-02
3:	1.0955e+01	1.0955e+01	1e-01	4e-02	2e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	4e-04	1e-15	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	9e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1611e+00	6.1617e+00	6e+00	2e+00	3e-16	2e-01
2:	8.7093e+00	8.7095e+00	2e+00	6e-01	1e-15	4e-02
3:	9.4389e+00	9.4390e+00	7e-01	2e-01	1e-15	2e-02
4:	9.6137e+00	9.6137e+00	2e-01	7e-02	4e-15	6e-03
5:	9.7164e+00	9.7164e+00	4e-02	1e-02	1e-15	1e-03
6:	9.7315e+00	9.7315e+00	4e-04	1e-04	9e-16	1e-05
7:	9.7316e+00	9.7316e+00	4e-06	1e-06	1e-15	1e-07
8:	9.7316e+00	9.7316e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7036e+00	5.7107e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9683e+00	7.9713e+00	2e+00	7e-01	2e-15	5e-02
3:	8.7068e+00	8.7079e+00	7e-01	2e-01	1e-15	2e-02
4:	9.0333e+00	9.0335e+00	8e-02	2e-02	1e-15	2e-03
5:	9.0616e+00	9.0617e+00	5e-03	2e-03	7e-15	1e-04

6:	9.0638e+00	9.0638e+00	5e-05	2e-05	3e-15	1e-06
7:	9.0638e+00	9.0638e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3489e+00	5.3582e+00	8e+00	2e+00	3e-16	2e-01
2:	8.5629e+00	8.5664e+00	2e+00	6e-01	1e-15	4e-02
3:	9.0802e+00	9.0817e+00	6e-01	2e-01	2e-15	1e-02
4:	9.3383e+00	9.3386e+00	1e-01	3e-02	9e-16	2e-03
5:	9.3751e+00	9.3751e+00	1e-02	4e-03	2e-15	3e-04
6:	9.3799e+00	9.3799e+00	1e-04	4e-05	1e-15	3e-06
7:	9.3799e+00	9.3799e+00	1e-06	4e-07	1e-15	3e-08
8:	9.3799e+00	9.3799e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9540e+00	5.9551e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9270e+00	8.9274e+00	2e+00	6e-01	1e-15	5e-02
3:	9.9644e+00	9.9646e+00	5e-01	2e-01	2e-15	1e-02
4:	1.0176e+01	1.0176e+01	9e-02	3e-02	3e-15	2e-03
5:	1.0212e+01	1.0212e+01	6e-03	2e-03	9e-15	1e-04
6:	1.0215e+01	1.0215e+01	6e-05	2e-05	2e-15	1e-06
7:	1.0215e+01	1.0215e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6285e+00	5.6327e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3944e+00	8.3957e+00	1e+00	5e-01	1e-15	3e-02
3:	9.0380e+00	9.0383e+00	3e-01	9e-02	1e-15	7e-03
4:	9.1645e+00	9.1646e+00	4e-02	1e-02	1e-15	1e-03
5:	9.1816e+00	9.1816e+00	7e-04	2e-04	2e-15	2e-05
6:	9.1819e+00	9.1819e+00	7e-06	2e-06	2e-15	2e-07
7:	9.1819e+00	9.1819e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0940e+00	7.0987e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0198e+01	1.0200e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0725e+01	1.0725e+01	2e-01	8e-02	1e-15	6e-03
4:	1.0836e+01	1.0836e+01	9e-03	3e-03	1e-15	2e-04
5:	1.0840e+01	1.0840e+01	9e-05	3e-05	1e-15	2e-06
6:	1.0840e+01	1.0840e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0051e+00	7.0116e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0372e+01	1.0374e+01	2e+00	5e-01	2e-15	3e-02
3:	1.0957e+01	1.0958e+01	1e-01	4e-02	2e-15	3e-03

4:	1.1000e+01	1.1000e+01	2e-03	5e-04	3e-15	4e-05
5:	1.1000e+01	1.1000e+01	2e-05	5e-06	1e-15	4e-07
6:	1.1000e+01	1.1000e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8478e+00	4.8613e+00	8e+00	2e+00	2e-16	2e-01
2:	8.0677e+00	8.0734e+00	2e+00	8e-01	2e-15	5e-02
3:	8.9393e+00	8.9405e+00	5e-01	1e-01	7e-16	1e-02
4:	9.1119e+00	9.1122e+00	9e-02	3e-02	4e-15	2e-03
5:	9.1491e+00	9.1491e+00	8e-03	3e-03	1e-15	2e-04
6:	9.1529e+00	9.1529e+00	1e-04	3e-05	1e-15	2e-06
7:	9.1529e+00	9.1529e+00	1e-06	3e-07	1e-15	2e-08
8:	9.1529e+00	9.1529e+00	1e-08	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3857e+00	6.3869e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0144e+01	1.0144e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0681e+01	1.0681e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0813e+01	1.0813e+01	6e-02	2e-02	6e-15	2e-03
5:	1.0843e+01	1.0843e+01	4e-03	1e-03	1e-15	9e-05
6:	1.0844e+01	1.0844e+01	4e-05	1e-05	4e-15	9e-07
7:	1.0844e+01	1.0844e+01	4e-07	1e-07	4e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1538e+00	5.1691e+00	8e+00	3e+00	2e-16	2e-01
2:	8.1373e+00	8.1440e+00	3e+00	8e-01	2e-15	6e-02
3:	9.1386e+00	9.1399e+00	4e-01	1e-01	9e-16	9e-03
4:	9.3078e+00	9.3080e+00	6e-02	2e-02	1e-15	1e-03
5:	9.3326e+00	9.3326e+00	1e-03	3e-04	1e-15	2e-05
6:	9.3331e+00	9.3331e+00	1e-05	3e-06	8e-16	2e-07
7:	9.3331e+00	9.3331e+00	1e-07	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5577e+00	7.5621e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0567e+01	1.0568e+01	1e+00	3e-01	1e-15	3e-02
3:	1.0938e+01	1.0938e+01	2e-01	5e-02	3e-15	4e-03
4:	1.0999e+01	1.0999e+01	2e-03	6e-04	4e-16	4e-05
5:	1.1000e+01	1.1000e+01	2e-05	6e-06	5e-16	4e-07
6:	1.1000e+01	1.1000e+01	2e-07	6e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8550e+00	5.8651e+00	8e+00	2e+00	3e-16	2e-01
2:	9.7399e+00	9.7423e+00	1e+00	4e-01	1e-15	3e-02



3:	1.0162e+01	1.0163e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0291e+01	1.0291e+01	5e-02	2e-02	1e-15	1e-03
5:	1.0300e+01	1.0300e+01	2e-02	7e-03	4e-14	6e-04
6:	1.0310e+01	1.0310e+01	2e-03	5e-04	3e-15	4e-05
7:	1.0311e+01	1.0311e+01	2e-05	5e-06	1e-14	4e-07
8:	1.0311e+01	1.0311e+01	2e-07	5e-08	1e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6341e+00	5.6367e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1212e+00	9.1219e+00	1e+00	3e-01	2e-15	3e-02
3:	9.5046e+00	9.5047e+00	2e-01	6e-02	2e-15	4e-03
4:	9.5798e+00	9.5798e+00	4e-02	1e-02	7e-16	1e-03
5:	9.5963e+00	9.5963e+00	5e-03	1e-03	2e-15	1e-04
6:	9.5984e+00	9.5984e+00	7e-05	2e-05	6e-16	2e-06
7:	9.5984e+00	9.5984e+00	7e-07	2e-07	7e-16	2e-08
8:	9.5984e+00	9.5984e+00	7e-09	2e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1941e+00	7.1971e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0679e+01	1.0679e+01	9e-01	3e-01	2e-15	2e-02
3:	1.0968e+01	1.0968e+01	8e-02	3e-02	3e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	3e-04	7e-16	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	3e-06	5e-16	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0132e+00	5.0177e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0974e+00	8.0987e+00	1e+00	4e-01	1e-15	3e-02
3:	8.5911e+00	8.5916e+00	3e-01	1e-01	9e-16	8e-03
4:	8.6705e+00	8.6707e+00	8e-02	2e-02	2e-15	2e-03
5:	8.6999e+00	8.6999e+00	1e-02	4e-03	6e-16	3e-04
6:	8.7049e+00	8.7049e+00	2e-04	5e-05	1e-15	4e-06
7:	8.7050e+00	8.7050e+00	2e-06	5e-07	1e-15	4e-08
8:	8.7050e+00	8.7050e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5713e+00	7.5753e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0638e+01	1.0639e+01	1e+00	3e-01	1e-15	2e-02
3:	1.0979e+01	1.0979e+01	4e-02	1e-02	3e-15	1e-03
4:	1.1000e+01	1.1000e+01	4e-04	1e-04	1e-15	1e-05
5:	1.1000e+01	1.1000e+01	4e-06	1e-06	7e-16	1e-07
6:	1.1000e+01	1.1000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7338e+00	4.7473e+00	8e+00	3e+00	2e-16	2e-01
2:	8.2688e+00	8.2724e+00	2e+00	5e-01	2e-15	3e-02
3:	9.0656e+00	9.0661e+00	2e-01	6e-02	8e-16	4e-03
4:	9.1286e+00	9.1287e+00	2e-02	6e-03	6e-15	5e-04
5:	9.1366e+00	9.1366e+00	2e-03	6e-04	1e-15	5e-05
6:	9.1374e+00	9.1374e+00	2e-05	6e-06	4e-15	5e-07
7:	9.1374e+00	9.1374e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8046e+00	5.8106e+00	8e+00	2e+00	3e-16	2e-01
2:	9.5280e+00	9.5301e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0088e+01	1.0089e+01	5e-01	1e-01	2e-15	1e-02
4:	1.0264e+01	1.0264e+01	4e-02	1e-02	1e-15	1e-03
5:	1.0281e+01	1.0281e+01	4e-03	1e-03	8e-16	1e-04
6:	1.0283e+01	1.0283e+01	4e-05	1e-05	2e-15	1e-06
7:	1.0283e+01	1.0283e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4329e+00	5.4395e+00	8e+00	2e+00	3e-16	2e-01
2:	8.7497e+00	8.7522e+00	2e+00	6e-01	2e-15	4e-02
3:	9.5902e+00	9.5907e+00	2e-01	8e-02	8e-16	6e-03
4:	9.6608e+00	9.6609e+00	7e-02	2e-02	2e-15	2e-03
5:	9.6898e+00	9.6898e+00	7e-04	2e-04	8e-16	2e-05
6:	9.6901e+00	9.6901e+00	7e-06	2e-06	7e-16	2e-07
7:	9.6901e+00	9.6901e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6374e+00	5.6390e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1414e+00	9.1420e+00	2e+00	5e-01	2e-15	4e-02
3:	9.6267e+00	9.6268e+00	3e-01	1e-01	4e-15	8e-03
4:	9.7476e+00	9.7477e+00	9e-02	3e-02	1e-15	2e-03
5:	9.7748e+00	9.7748e+00	2e-02	7e-03	4e-15	5e-04
6:	9.7843e+00	9.7843e+00	4e-03	1e-03	1e-15	9e-05
7:	9.7858e+00	9.7858e+00	5e-05	1e-05	5e-15	1e-06
8:	9.7858e+00	9.7858e+00	5e-07	1e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3772e+00	5.3857e+00	8e+00	3e+00	3e-16	2e-01
2:	7.8248e+00	7.8271e+00	2e+00	6e-01	2e-15	4e-02
3:	8.6556e+00	8.6561e+00	3e-01	9e-02	1e-15	6e-03
4:	8.7898e+00	8.7899e+00	3e-02	9e-03	1e-15	6e-04
5:	8.8003e+00	8.8003e+00	3e-03	1e-03	6e-15	7e-05
6:	8.8019e+00	8.8019e+00	5e-05	1e-05	2e-15	1e-06

7: 8.8019e+00 8.8019e+00 5e-07 1e-07 2e-15 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5476e+00	4.5508e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8764e+00	7.8778e+00	2e+00	6e-01	2e-15	5e-02
3:	8.5944e+00	8.5947e+00	4e-01	1e-01	1e-15	9e-03
4:	8.7733e+00	8.7734e+00	3e-02	9e-03	4e-15	7e-04
5:	8.7869e+00	8.7869e+00	7e-04	2e-04	2e-15	2e-05
6:	8.7872e+00	8.7872e+00	7e-06	2e-06	4e-15	2e-07
7:	8.7872e+00	8.7872e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6001e+00	4.6062e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5948e+00	7.5966e+00	1e+00	5e-01	7e-16	3e-02
3:	8.1812e+00	8.1817e+00	3e-01	1e-01	7e-16	8e-03
4:	8.3074e+00	8.3074e+00	4e-02	1e-02	1e-15	9e-04
5:	8.3234e+00	8.3234e+00	2e-03	6e-04	2e-15	4e-05
6:	8.3242e+00	8.3242e+00	2e-05	6e-06	2e-15	5e-07
7:	8.3242e+00	8.3242e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2527e+00	6.2577e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7350e+00	9.7367e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0167e+01	1.0167e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0372e+01	1.0372e+01	8e-02	2e-02	7e-16	2e-03
5:	1.0404e+01	1.0404e+01	2e-03	7e-04	2e-15	5e-05
6:	1.0405e+01	1.0405e+01	2e-05	7e-06	8e-16	5e-07
7:	1.0405e+01	1.0405e+01	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3779e+00	6.3830e+00	7e+00	2e+00	5e-16	2e-01
2:	9.3278e+00	9.3295e+00	2e+00	5e-01	3e-15	4e-02
3:	9.9954e+00	9.9957e+00	2e-01	7e-02	1e-15	5e-03
4:	1.0099e+01	1.0099e+01	9e-03	3e-03	3e-15	2e-04
5:	1.0104e+01	1.0104e+01	9e-05	3e-05	1e-15	2e-06
6:	1.0104e+01	1.0104e+01	9e-07	3e-07	8e-16	2e-08
7:	1.0104e+01	1.0104e+01	9e-09	3e-09	3e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2956e+00	6.2977e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3431e+00	9.3436e+00	1e+00	4e-01	1e-15	3e-02
3:	9.8466e+00	9.8468e+00	2e-01	7e-02	1e-15	6e-03
4:	9.9552e+00	9.9552e+00	2e-02	6e-03	2e-15	5e-04

5:	9.9666e+00	9.9666e+00	2e-04	7e-05	1e-15	5e-06
6:	9.9668e+00	9.9668e+00	2e-06	7e-07	9e-16	5e-08
7:	9.9668e+00	9.9668e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3950e+00	5.4021e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5884e+00	8.5908e+00	2e+00	5e-01	1e-15	4e-02
3:	9.1727e+00	9.1734e+00	4e-01	1e-01	6e-16	9e-03
4:	9.3350e+00	9.3351e+00	7e-02	2e-02	2e-15	2e-03
5:	9.3523e+00	9.3523e+00	2e-02	5e-03	2e-14	4e-04
6:	9.3582e+00	9.3583e+00	3e-03	1e-03	4e-15	8e-05
7:	9.3594e+00	9.3594e+00	3e-05	1e-05	4e-15	8e-07
8:	9.3594e+00	9.3594e+00	3e-07	1e-07	6e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7021e+00	3.7045e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1954e+00	6.1966e+00	2e+00	7e-01	2e-15	6e-02
3:	7.0998e+00	7.1000e+00	3e-01	9e-02	6e-16	7e-03
4:	7.2140e+00	7.2140e+00	4e-02	1e-02	1e-15	1e-03
5:	7.2315e+00	7.2315e+00	8e-04	3e-04	8e-16	2e-05
6:	7.2319e+00	7.2319e+00	8e-06	3e-06	9e-16	2e-07
7:	7.2319e+00	7.2319e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.9731e+00	3.9814e+00	8e+00	2e+00	2e-16	2e-01
2:	6.7680e+00	6.7708e+00	2e+00	6e-01	8e-16	4e-02
3:	7.3681e+00	7.3687e+00	3e-01	8e-02	6e-16	6e-03
4:	7.4722e+00	7.4723e+00	3e-02	8e-03	7e-16	6e-04
5:	7.4818e+00	7.4818e+00	2e-03	7e-04	1e-15	6e-05
6:	7.4826e+00	7.4826e+00	7e-05	2e-05	6e-15	2e-06
7:	7.4826e+00	7.4826e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5754e+00	4.5820e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9045e+00	7.9066e+00	2e+00	5e-01	2e-15	4e-02
3:	8.5412e+00	8.5419e+00	5e-01	1e-01	1e-15	1e-02
4:	8.7282e+00	8.7283e+00	7e-02	2e-02	2e-15	2e-03
5:	8.7601e+00	8.7602e+00	2e-02	5e-03	5e-15	4e-04
6:	8.7663e+00	8.7663e+00	8e-04	3e-04	2e-14	2e-05
7:	8.7667e+00	8.7667e+00	8e-06	3e-06	3e-15	2e-07
8:	8.7667e+00	8.7667e+00	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	4.6587e+00	4.6646e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2480e+00	8.2495e+00	1e+00	4e-01	1e-15	3e-02
3:	8.7109e+00	8.7112e+00	2e-01	8e-02	1e-15	6e-03
4:	8.8049e+00	8.8050e+00	7e-02	2e-02	9e-16	2e-03
5:	8.8315e+00	8.8315e+00	5e-03	2e-03	4e-15	1e-04
6:	8.8336e+00	8.8336e+00	5e-05	2e-05	8e-16	1e-06
7:	8.8336e+00	8.8336e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8899e+00	5.8995e+00	7e+00	2e+00	2e-16	2e-01
2:	9.3915e+00	9.3946e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0017e+01	1.0018e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0153e+01	1.0153e+01	7e-02	2e-02	3e-15	2e-03
5:	1.0168e+01	1.0168e+01	5e-02	1e-02	2e-15	1e-03
6:	1.0187e+01	1.0187e+01	3e-03	1e-03	1e-15	8e-05
7:	1.0188e+01	1.0188e+01	4e-05	1e-05	9e-16	9e-07
8:	1.0188e+01	1.0188e+01	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2823e+00	7.2868e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0562e+01	1.0563e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0963e+01	1.0963e+01	8e-02	3e-02	4e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	3e-04	8e-16	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	3e-06	9e-16	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9999e+00	4.0026e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8481e+00	7.8488e+00	1e+00	3e-01	2e-15	2e-02
3:	8.2590e+00	8.2591e+00	2e-01	6e-02	1e-15	4e-03
4:	8.3301e+00	8.3302e+00	2e-02	7e-03	2e-15	5e-04
5:	8.3371e+00	8.3371e+00	3e-03	9e-04	2e-14	7e-05
6:	8.3379e+00	8.3379e+00	2e-04	8e-05	4e-13	6e-06
7:	8.3380e+00	8.3380e+00	2e-06	8e-07	2e-14	6e-08
8:	8.3380e+00	8.3380e+00	2e-08	8e-09	2e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6136e+00	4.6229e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3994e+00	7.4036e+00	2e+00	7e-01	2e-15	5e-02
3:	7.7610e+00	7.7644e+00	1e+00	4e-01	2e-15	3e-02
4:	8.2121e+00	8.2126e+00	1e-01	4e-02	6e-16	3e-03
5:	8.2506e+00	8.2506e+00	8e-03	3e-03	1e-15	2e-04
6:	8.2535e+00	8.2535e+00	1e-04	4e-05	4e-15	3e-06
7:	8.2536e+00	8.2536e+00	1e-06	4e-07	2e-15	3e-08

8: 8.2536e+00 8.2536e+00 1e-08 4e-09 3e-15 3e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0046e+00	5.0114e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3047e+00	8.3068e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9618e+00	8.9628e+00	6e-01	2e-01	1e-15	1e-02
4:	9.1091e+00	9.1095e+00	2e-01	6e-02	2e-15	4e-03
5:	9.1728e+00	9.1729e+00	4e-02	1e-02	1e-15	1e-03
6:	9.1848e+00	9.1849e+00	1e-02	3e-03	5e-15	3e-04
7:	9.1893e+00	9.1893e+00	3e-04	1e-04	1e-15	7e-06
8:	9.1894e+00	9.1894e+00	3e-06	1e-06	4e-15	7e-08
9:	9.1894e+00	9.1894e+00	3e-08	1e-08	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5719e+00	4.5705e+00	6e+00	2e+00	2e-16	2e-01
2:	7.4137e+00	7.4133e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9691e+00	7.9690e+00	2e-01	6e-02	2e-15	5e-03
4:	8.0705e+00	8.0705e+00	2e-02	6e-03	2e-15	5e-04
5:	8.0786e+00	8.0786e+00	3e-03	1e-03	1e-15	8e-05
6:	8.0798e+00	8.0798e+00	3e-05	1e-05	1e-15	8e-07
7:	8.0798e+00	8.0798e+00	3e-07	1e-07	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8341e+00	4.8432e+00	8e+00	2e+00	3e-16	2e-01
2:	9.0657e+00	9.0679e+00	1e+00	4e-01	1e-15	3e-02
3:	9.4113e+00	9.4119e+00	3e-01	8e-02	9e-16	6e-03
4:	9.4957e+00	9.4958e+00	3e-02	1e-02	8e-16	7e-04
5:	9.5071e+00	9.5071e+00	3e-03	1e-03	6e-15	7e-05
6:	9.5081e+00	9.5081e+00	3e-05	1e-05	1e-14	8e-07
7:	9.5081e+00	9.5081e+00	3e-07	1e-07	1e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8935e+00	6.8969e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0186e+01	1.0187e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0919e+01	1.0919e+01	3e-01	8e-02	1e-15	6e-03
4:	1.0998e+01	1.0998e+01	5e-03	2e-03	4e-15	1e-04
5:	1.1000e+01	1.1000e+01	5e-05	2e-05	2e-15	1e-06
6:	1.1000e+01	1.1000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9262e+00	5.9319e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1768e+00	9.1781e+00	1e+00	3e-01	3e-15	3e-02
3:	9.6486e+00	9.6488e+00	1e-01	4e-02	2e-15	3e-03

4:	9.7106e+00	9.7107e+00	2e-02	6e-03	8e-16	4e-04
5:	9.7200e+00	9.7200e+00	3e-03	9e-04	8e-16	6e-05
6:	9.7213e+00	9.7213e+00	3e-05	1e-05	2e-15	8e-07
7:	9.7213e+00	9.7213e+00	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5687e+00	5.5729e+00	7e+00	2e+00	2e-16	2e-01
2:	8.8052e+00	8.8069e+00	2e+00	5e-01	1e-15	4e-02
3:	9.3153e+00	9.3157e+00	4e-01	1e-01	8e-16	9e-03
4:	9.4980e+00	9.4981e+00	3e-02	9e-03	1e-15	7e-04
5:	9.5093e+00	9.5093e+00	3e-04	9e-05	6e-16	7e-06
6:	9.5094e+00	9.5094e+00	3e-06	9e-07	7e-16	7e-08
7:	9.5094e+00	9.5094e+00	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9771e+00	6.9820e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6629e+00	9.6646e+00	2e+00	6e-01	2e-15	5e-02
3:	1.0627e+01	1.0627e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0839e+01	1.0839e+01	1e-01	3e-02	2e-15	3e-03
5:	1.0885e+01	1.0885e+01	2e-02	5e-03	2e-15	4e-04
6:	1.0891e+01	1.0891e+01	9e-04	3e-04	3e-14	2e-05
7:	1.0892e+01	1.0892e+01	9e-06	3e-06	4e-15	2e-07
8:	1.0892e+01	1.0892e+01	9e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6675e+00	4.6744e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7549e+00	7.7573e+00	2e+00	6e-01	1e-15	4e-02
3:	8.3047e+00	8.3054e+00	4e-01	1e-01	1e-15	1e-02
4:	8.4650e+00	8.4652e+00	7e-02	2e-02	9e-16	2e-03
5:	8.4994e+00	8.4994e+00	2e-03	6e-04	6e-16	4e-05
6:	8.5002e+00	8.5002e+00	2e-05	6e-06	5e-16	4e-07
7:	8.5002e+00	8.5002e+00	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7958e+00	6.7989e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0894e+01	1.0895e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1289e+01	1.1289e+01	3e-01	8e-02	2e-15	6e-03
4:	1.1373e+01	1.1373e+01	4e-02	1e-02	6e-15	9e-04
5:	1.1387e+01	1.1387e+01	4e-03	1e-03	4e-14	1e-04
6:	1.1388e+01	1.1388e+01	1e-04	4e-05	3e-14	3e-06
7:	1.1388e+01	1.1388e+01	1e-06	4e-07	2e-14	3e-08
8:	1.1388e+01	1.1388e+01	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5359e+00	6.5470e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0449e+01	1.0452e+01	2e+00	5e-01	9e-16	4e-02
3:	1.1008e+01	1.1009e+01	4e-01	1e-01	2e-15	9e-03
4:	1.1130e+01	1.1130e+01	1e-01	3e-02	4e-15	2e-03
5:	1.1178e+01	1.1178e+01	2e-03	6e-04	1e-15	4e-05
6:	1.1179e+01	1.1179e+01	2e-05	6e-06	2e-15	4e-07
7:	1.1179e+01	1.1179e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5963e+00	7.6043e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0540e+01	1.0543e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1233e+01	1.1234e+01	4e-01	1e-01	1e-15	1e-02
4:	1.1410e+01	1.1410e+01	4e-02	1e-02	1e-15	8e-04
5:	1.1427e+01	1.1427e+01	2e-03	7e-04	7e-16	5e-05
6:	1.1428e+01	1.1428e+01	2e-05	7e-06	6e-16	5e-07
7:	1.1428e+01	1.1428e+01	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8936e+00	6.9040e+00	7e+00	2e+00	4e-16	2e-01
2:	9.1939e+00	9.1974e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0147e+01	1.0148e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0381e+01	1.0382e+01	2e-01	6e-02	3e-15	4e-03
5:	1.0460e+01	1.0460e+01	2e-02	6e-03	3e-15	5e-04
6:	1.0468e+01	1.0468e+01	3e-04	1e-04	8e-15	7e-06
7:	1.0468e+01	1.0468e+01	3e-06	1e-06	4e-15	7e-08
8:	1.0468e+01	1.0468e+01	3e-08	1e-08	5e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1097e+00	6.1131e+00	8e+00	2e+00	3e-16	2e-01
2:	9.0179e+00	9.0192e+00	2e+00	6e-01	1e-15	5e-02
3:	9.7503e+00	9.7508e+00	7e-01	2e-01	9e-16	2e-02
4:	9.9293e+00	9.9295e+00	2e-01	6e-02	2e-15	5e-03
5:	1.0014e+01	1.0014e+01	3e-02	1e-02	7e-16	9e-04
6:	1.0021e+01	1.0021e+01	2e-02	5e-03	6e-15	4e-04
7:	1.0027e+01	1.0027e+01	2e-04	6e-05	5e-16	4e-06
8:	1.0027e+01	1.0027e+01	2e-06	6e-07	1e-15	4e-08
9:	1.0027e+01	1.0027e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5453e+00	5.5533e+00	8e+00	2e+00	4e-16	2e-01
2:	9.2288e+00	9.2314e+00	2e+00	5e-01	8e-16	4e-02
3:	9.8110e+00	9.8117e+00	4e-01	1e-01	1e-15	1e-02
4:	1.0022e+01	1.0022e+01	9e-02	3e-02	1e-15	2e-03



5:	1.0044e+01	1.0044e+01	3e-02	8e-03	8e-15	6e-04
6:	1.0054e+01	1.0054e+01	3e-04	1e-04	3e-15	8e-06
7:	1.0055e+01	1.0055e+01	3e-06	1e-06	2e-15	8e-08
8:	1.0055e+01	1.0055e+01	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1588e+00	7.1636e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0279e+01	1.0281e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0918e+01	1.0919e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1074e+01	1.1074e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1113e+01	1.1113e+01	3e-02	9e-03	5e-15	7e-04
6:	1.1125e+01	1.1125e+01	1e-03	4e-04	6e-16	3e-05
7:	1.1125e+01	1.1125e+01	1e-05	4e-06	8e-16	3e-07
8:	1.1125e+01	1.1125e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0775e+00	6.0823e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2810e+00	9.2834e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0211e+01	1.0212e+01	4e-01	1e-01	1e-15	8e-03
4:	1.0361e+01	1.0361e+01	8e-02	3e-02	2e-15	2e-03
5:	1.0394e+01	1.0394e+01	2e-02	7e-03	4e-15	5e-04
6:	1.0404e+01	1.0404e+01	2e-03	5e-04	2e-14	4e-05
7:	1.0404e+01	1.0404e+01	2e-05	5e-06	3e-15	4e-07
8:	1.0404e+01	1.0404e+01	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3520e+00	5.3589e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0281e+00	8.0312e+00	2e+00	7e-01	2e-15	5e-02
3:	8.5793e+00	8.5802e+00	6e-01	2e-01	1e-15	1e-02
4:	8.7540e+00	8.7545e+00	2e-01	7e-02	1e-15	5e-03
5:	8.8318e+00	8.8319e+00	4e-02	1e-02	2e-15	1e-03
6:	8.8485e+00	8.8485e+00	3e-03	8e-04	2e-15	6e-05
7:	8.8495e+00	8.8495e+00	3e-05	8e-06	2e-15	6e-07
8:	8.8495e+00	8.8495e+00	3e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5120e+00	6.5206e+00	8e+00	2e+00	2e-16	2e-01
2:	9.3510e+00	9.3550e+00	3e+00	8e-01	2e-15	6e-02
3:	1.0237e+01	1.0239e+01	7e-01	2e-01	1e-15	2e-02
4:	1.0570e+01	1.0570e+01	6e-02	2e-02	1e-15	1e-03
5:	1.0599e+01	1.0599e+01	2e-03	6e-04	5e-15	4e-05
6:	1.0600e+01	1.0600e+01	2e-05	6e-06	1e-15	4e-07
7:	1.0600e+01	1.0600e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6268e+00	7.6326e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1345e+01	1.1346e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1878e+01	1.1878e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1997e+01	1.1997e+01	8e-03	3e-03	4e-15	2e-04
5:	1.2000e+01	1.2000e+01	8e-05	3e-05	1e-15	2e-06
6:	1.2000e+01	1.2000e+01	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	5.7828e+00	5.8025e+00	9e+00	3e+00	2e-16	2e-01
2:	8.6715e+00	8.6783e+00	2e+00	7e-01	6e-16	5e-02
3:	9.4579e+00	9.4597e+00	6e-01	2e-01	3e-15	1e-02
4:	9.6311e+00	9.6315e+00	1e-01	3e-02	2e-15	2e-03
5:	9.6683e+00	9.6683e+00	1e-02	3e-03	2e-15	2e-04
6:	9.6728e+00	9.6728e+00	2e-03	5e-04	7e-16	4e-05
7:	9.6735e+00	9.6735e+00	2e-05	5e-06	9e-16	4e-07
8:	9.6735e+00	9.6735e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7024e+00	5.7112e+00	8e+00	2e+00	3e-16	2e-01
2:	9.0169e+00	9.0194e+00	2e+00	5e-01	1e-15	4e-02
3:	9.7604e+00	9.7610e+00	3e-01	9e-02	9e-16	7e-03
4:	9.8864e+00	9.8865e+00	7e-02	2e-02	1e-15	2e-03
5:	9.9005e+00	9.9006e+00	3e-02	1e-02	5e-15	8e-04
6:	9.9148e+00	9.9148e+00	6e-04	2e-04	1e-15	1e-05
7:	9.9151e+00	9.9151e+00	6e-06	2e-06	1e-15	1e-07
8:	9.9151e+00	9.9151e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4486e+00	5.4554e+00	8e+00	2e+00	2e-16	2e-01
2:	8.2126e+00	8.2147e+00	2e+00	6e-01	2e-15	4e-02
3:	9.0805e+00	9.0811e+00	5e-01	1e-01	9e-16	1e-02
4:	9.2766e+00	9.2768e+00	1e-01	3e-02	9e-16	2e-03
5:	9.3212e+00	9.3213e+00	9e-03	3e-03	2e-15	2e-04
6:	9.3253e+00	9.3253e+00	9e-05	3e-05	7e-16	2e-06
7:	9.3253e+00	9.3253e+00	9e-07	3e-07	7e-16	2e-08
8:	9.3253e+00	9.3253e+00	9e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0168e+00	7.0235e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0657e+01	1.0660e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1449e+01	1.1451e+01	7e-01	2e-01	1e-15	2e-02
4:	1.1654e+01	1.1654e+01	2e-01	5e-02	4e-15	4e-03

5:	1.1713e+01	1.1713e+01	5e-02	2e-02	2e-15	1e-03
6:	1.1732e+01	1.1732e+01	9e-04	3e-04	2e-15	2e-05
7:	1.1732e+01	1.1732e+01	9e-06	3e-06	2e-15	2e-07
8:	1.1732e+01	1.1732e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6394e+00	6.6451e+00	8e+00	2e+00	3e-16	2e-01
2:	9.7240e+00	9.7260e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0588e+01	1.0588e+01	4e-01	1e-01	1e-15	1e-02
4:	1.0769e+01	1.0769e+01	8e-02	3e-02	2e-15	2e-03
5:	1.0817e+01	1.0817e+01	5e-03	2e-03	7e-16	1e-04
6:	1.0819e+01	1.0819e+01	2e-03	5e-04	7e-14	4e-05
7:	1.0820e+01	1.0820e+01	2e-05	6e-06	2e-15	4e-07
8:	1.0820e+01	1.0820e+01	2e-07	6e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0841e+00	7.0894e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0285e+01	1.0287e+01	2e+00	6e-01	2e-15	5e-02
3:	1.1006e+01	1.1006e+01	5e-01	2e-01	7e-15	1e-02
4:	1.1146e+01	1.1146e+01	8e-02	3e-02	3e-15	2e-03
5:	1.1179e+01	1.1179e+01	2e-02	6e-03	9e-16	4e-04
6:	1.1187e+01	1.1187e+01	2e-04	7e-05	5e-16	5e-06
7:	1.1187e+01	1.1187e+01	2e-06	7e-07	5e-16	5e-08
8:	1.1187e+01	1.1187e+01	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9301e+00	6.9377e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7693e+00	9.7714e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0423e+01	1.0423e+01	3e-01	8e-02	2e-15	6e-03
4:	1.0517e+01	1.0517e+01	5e-02	2e-02	4e-15	1e-03
5:	1.0544e+01	1.0544e+01	3e-03	9e-04	1e-15	7e-05
6:	1.0545e+01	1.0545e+01	3e-05	9e-06	9e-16	7e-07
7:	1.0545e+01	1.0545e+01	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0698e+00	8.0751e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0670e+01	1.0673e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1300e+01	1.1300e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1475e+01	1.1475e+01	6e-02	2e-02	1e-15	1e-03
5:	1.1501e+01	1.1501e+01	1e-02	4e-03	1e-15	3e-04
6:	1.1507e+01	1.1507e+01	3e-04	9e-05	1e-15	7e-06
7:	1.1507e+01	1.1507e+01	3e-06	9e-07	1e-15	7e-08
8:	1.1507e+01	1.1507e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5821e+00	7.5892e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0947e+01	1.0948e+01	2e+00	5e-01	2e-15	3e-02
3:	1.1742e+01	1.1742e+01	3e-01	9e-02	2e-15	7e-03
4:	1.1841e+01	1.1841e+01	8e-02	2e-02	7e-15	2e-03
5:	1.1850e+01	1.1850e+01	5e-02	1e-02	2e-14	1e-03
6:	1.1871e+01	1.1871e+01	7e-03	2e-03	3e-15	2e-04
7:	1.1873e+01	1.1873e+01	8e-05	3e-05	9e-15	2e-06
8:	1.1873e+01	1.1873e+01	8e-07	3e-07	8e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4326e+00	5.4360e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8068e+00	8.8079e+00	1e+00	4e-01	2e-15	3e-02
3:	9.2693e+00	9.2695e+00	3e-01	9e-02	1e-15	6e-03
4:	9.3738e+00	9.3738e+00	5e-02	1e-02	1e-15	1e-03
5:	9.3935e+00	9.3935e+00	9e-03	3e-03	2e-15	2e-04
6:	9.3969e+00	9.3969e+00	3e-04	8e-05	8e-15	7e-06
7:	9.3970e+00	9.3970e+00	3e-06	8e-07	4e-15	7e-08
8:	9.3970e+00	9.3970e+00	3e-08	8e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0871e+00	4.0888e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8980e+00	6.8986e+00	2e+00	5e-01	9e-16	4e-02
3:	7.6170e+00	7.6172e+00	3e-01	1e-01	1e-15	8e-03
4:	7.7284e+00	7.7284e+00	7e-02	2e-02	2e-15	2e-03
5:	7.7638e+00	7.7638e+00	2e-03	5e-04	7e-16	4e-05
6:	7.7645e+00	7.7645e+00	2e-05	5e-06	7e-16	4e-07
7:	7.7645e+00	7.7645e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2537e+00	7.2556e+00	6e+00	2e+00	3e-16	2e-01
2:	1.0479e+01	1.0479e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0949e+01	1.0949e+01	2e-01	5e-02	1e-15	4e-03
4:	1.1022e+01	1.1022e+01	3e-02	9e-03	8e-16	7e-04
5:	1.1034e+01	1.1034e+01	6e-04	2e-04	2e-15	1e-05
6:	1.1034e+01	1.1034e+01	6e-06	2e-06	7e-16	1e-07
7:	1.1034e+01	1.1034e+01	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6110e+00	6.6174e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2732e+00	9.2754e+00	2e+00	5e-01	5e-15	4e-02
3:	9.8722e+00	9.8730e+00	5e-01	1e-01	2e-15	1e-02
4:	1.0041e+01	1.0042e+01	1e-01	3e-02	2e-15	3e-03

5:	1.0083e+01	1.0083e+01	4e-03	1e-03	2e-15	1e-04
6:	1.0085e+01	1.0085e+01	6e-04	2e-04	4e-15	2e-05
7:	1.0085e+01	1.0085e+01	6e-05	2e-05	5e-15	1e-06
8:	1.0085e+01	1.0085e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1385e+00	7.1483e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4448e+00	9.4487e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0441e+01	1.0442e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0648e+01	1.0648e+01	1e-01	5e-02	1e-15	3e-03
5:	1.0722e+01	1.0722e+01	9e-03	3e-03	2e-15	2e-04
6:	1.0726e+01	1.0726e+01	9e-05	3e-05	6e-16	2e-06
7:	1.0726e+01	1.0726e+01	9e-07	3e-07	8e-16	2e-08
8:	1.0726e+01	1.0726e+01	9e-09	3e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5143e+00	6.5223e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0741e+01	1.0743e+01	1e+00	5e-01	3e-15	3e-02
3:	1.1191e+01	1.1191e+01	4e-01	1e-01	2e-15	9e-03
4:	1.1376e+01	1.1376e+01	4e-02	1e-02	2e-15	1e-03
5:	1.1396e+01	1.1396e+01	8e-04	2e-04	4e-15	2e-05
6:	1.1397e+01	1.1397e+01	8e-06	2e-06	2e-15	2e-07
7:	1.1397e+01	1.1397e+01	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4127e+00	7.4163e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0579e+01	1.0580e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1313e+01	1.1314e+01	5e-01	1e-01	8e-16	1e-02
4:	1.1490e+01	1.1490e+01	6e-02	2e-02	8e-16	2e-03
5:	1.1516e+01	1.1516e+01	1e-03	3e-04	1e-15	3e-05
6:	1.1516e+01	1.1516e+01	1e-05	3e-06	1e-15	3e-07
7:	1.1516e+01	1.1516e+01	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0739e+00	6.0751e+00	6e+00	2e+00	3e-16	2e-01
2:	8.7140e+00	8.7147e+00	2e+00	7e-01	1e-15	5e-02
3:	9.5851e+00	9.5853e+00	4e-01	1e-01	9e-16	1e-02
4:	9.7731e+00	9.7731e+00	2e-02	5e-03	8e-16	4e-04
5:	9.7797e+00	9.7797e+00	2e-04	5e-05	6e-16	4e-06
6:	9.7797e+00	9.7797e+00	2e-06	5e-07	8e-16	4e-08
7:	9.7797e+00	9.7797e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	7.5530e+00	7.5579e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1000e+01	1.1001e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1680e+01	1.1680e+01	5e-01	1e-01	1e-15	1e-02
4:	1.1856e+01	1.1856e+01	9e-02	3e-02	5e-15	2e-03
5:	1.1898e+01	1.1898e+01	3e-03	9e-04	2e-15	7e-05
6:	1.1899e+01	1.1899e+01	3e-05	9e-06	5e-15	7e-07
7:	1.1899e+01	1.1899e+01	3e-07	9e-08	5e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2262e+00	6.2361e+00	8e+00	3e+00	3e-16	2e-01
2:	9.2977e+00	9.3019e+00	3e+00	8e-01	6e-16	6e-02
3:	1.0033e+01	1.0034e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0272e+01	1.0272e+01	6e-02	2e-02	7e-16	1e-03
5:	1.0290e+01	1.0290e+01	2e-02	5e-03	8e-16	4e-04
6:	1.0297e+01	1.0297e+01	4e-03	1e-03	1e-15	9e-05
7:	1.0298e+01	1.0298e+01	1e-04	4e-05	6e-15	3e-06
8:	1.0298e+01	1.0298e+01	1e-06	4e-07	2e-15	3e-08
9:	1.0298e+01	1.0298e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9043e+00	6.9094e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0427e+01	1.0428e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1089e+01	1.1089e+01	2e-01	7e-02	9e-16	5e-03
4:	1.1181e+01	1.1181e+01	1e-02	4e-03	1e-15	3e-04
5:	1.1186e+01	1.1186e+01	1e-04	4e-05	5e-15	3e-06
6:	1.1186e+01	1.1186e+01	1e-06	4e-07	5e-15	3e-08
7:	1.1186e+01	1.1186e+01	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3892e+00	6.3943e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6114e+00	9.6134e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0350e+01	1.0350e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0586e+01	1.0587e+01	1e-01	3e-02	1e-15	3e-03
5:	1.0632e+01	1.0632e+01	2e-03	7e-04	2e-15	5e-05
6:	1.0633e+01	1.0633e+01	2e-05	7e-06	1e-15	5e-07
7:	1.0633e+01	1.0633e+01	2e-07	7e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2060e+00	6.2090e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9217e+00	8.9227e+00	2e+00	6e-01	2e-15	5e-02
3:	9.7649e+00	9.7653e+00	5e-01	2e-01	2e-15	1e-02
4:	9.9643e+00	9.9643e+00	1e-01	3e-02	2e-15	2e-03
5:	1.0010e+01	1.0010e+01	6e-03	2e-03	1e-15	1e-04
6:	1.0013e+01	1.0013e+01	6e-05	2e-05	1e-15	1e-06

7: 1.0013e+01 1.0013e+01 6e-07 2e-07 2e-15 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5075e+00	4.5073e+00	6e+00	2e+00	5e-16	2e-01
2:	7.1466e+00	7.1465e+00	2e+00	5e-01	2e-15	4e-02
3:	7.8245e+00	7.8244e+00	3e-01	9e-02	2e-15	7e-03
4:	7.9133e+00	7.9133e+00	9e-02	3e-02	5e-15	2e-03
5:	7.9494e+00	7.9494e+00	3e-02	9e-03	2e-15	7e-04
6:	7.9614e+00	7.9614e+00	1e-03	4e-04	9e-16	3e-05
7:	7.9619e+00	7.9619e+00	1e-05	4e-06	1e-15	3e-07
8:	7.9619e+00	7.9619e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3903e+00	5.3903e+00	7e+00	2e+00	4e-16	2e-01
2:	8.7089e+00	8.7089e+00	1e+00	4e-01	1e-15	3e-02
3:	9.0750e+00	9.0750e+00	4e-01	1e-01	3e-15	1e-02
4:	9.2627e+00	9.2627e+00	8e-02	3e-02	1e-15	2e-03
5:	9.3030e+00	9.3030e+00	2e-03	7e-04	1e-15	6e-05
6:	9.3039e+00	9.3039e+00	2e-05	7e-06	1e-15	6e-07
7:	9.3039e+00	9.3039e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0005e+00	7.0039e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0530e+01	1.0531e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1044e+01	1.1044e+01	1e-01	4e-02	1e-15	3e-03
4:	1.1101e+01	1.1102e+01	2e-02	8e-03	9e-16	6e-04
5:	1.1111e+01	1.1111e+01	6e-04	2e-04	5e-15	1e-05
6:	1.1111e+01	1.1111e+01	6e-06	2e-06	2e-15	1e-07
7:	1.1111e+01	1.1111e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1760e+00	7.1802e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0790e+01	1.0791e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1410e+01	1.1410e+01	1e-01	4e-02	2e-15	3e-03
4:	1.1454e+01	1.1454e+01	1e-02	4e-03	1e-14	3e-04
5:	1.1459e+01	1.1459e+01	1e-04	4e-05	2e-14	3e-06
6:	1.1459e+01	1.1459e+01	1e-06	4e-07	1e-14	3e-08
7:	1.1459e+01	1.1459e+01	1e-08	4e-09	7e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9210e+00	6.9265e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0529e+01	1.0531e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1046e+01	1.1046e+01	4e-01	1e-01	1e-15	8e-03

4:	1.1201e+01	1.1201e+01	8e-02	3e-02	2e-15	2e-03
5:	1.1236e+01	1.1236e+01	2e-03	6e-04	2e-15	5e-05
6:	1.1237e+01	1.1237e+01	2e-05	6e-06	9e-16	5e-07
7:	1.1237e+01	1.1237e+01	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8155e+00	4.8174e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9195e+00	7.9203e+00	2e+00	7e-01	1e-15	5e-02
3:	8.4927e+00	8.4931e+00	8e-01	3e-01	2e-15	2e-02
4:	8.7917e+00	8.7918e+00	3e-01	9e-02	1e-15	7e-03
5:	8.8849e+00	8.8849e+00	6e-02	2e-02	3e-15	2e-03
6:	8.9103e+00	8.9103e+00	1e-02	3e-03	9e-16	3e-04
7:	8.9143e+00	8.9143e+00	4e-04	1e-04	4e-15	1e-05
8:	8.9145e+00	8.9145e+00	4e-06	1e-06	7e-16	1e-07
9:	8.9145e+00	8.9145e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.0750e+00	5.0842e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6037e+00	8.6068e+00	2e+00	6e-01	1e-15	4e-02
3:	9.1737e+00	9.1745e+00	4e-01	1e-01	2e-15	9e-03
4:	9.3441e+00	9.3444e+00	7e-02	2e-02	8e-16	2e-03
5:	9.3689e+00	9.3690e+00	9e-03	3e-03	1e-15	2e-04
6:	9.3719e+00	9.3719e+00	9e-05	3e-05	1e-15	2e-06
7:	9.3720e+00	9.3720e+00	9e-07	3e-07	1e-15	2e-08
8:	9.3720e+00	9.3720e+00	9e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8763e+00	6.8870e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5407e+00	9.5460e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0351e+01	1.0352e+01	6e-01	2e-01	7e-16	1e-02
4:	1.0577e+01	1.0577e+01	2e-01	5e-02	1e-15	4e-03
5:	1.0644e+01	1.0644e+01	3e-02	8e-03	7e-16	6e-04
6:	1.0654e+01	1.0654e+01	3e-04	9e-05	1e-15	7e-06
7:	1.0655e+01	1.0655e+01	3e-06	9e-07	1e-15	7e-08
8:	1.0655e+01	1.0655e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5954e+00	5.5987e+00	6e+00	2e+00	3e-16	2e-01
2:	8.9651e+00	8.9659e+00	9e-01	3e-01	2e-15	2e-02
3:	9.2338e+00	9.2341e+00	3e-01	8e-02	3e-15	6e-03
4:	9.3491e+00	9.3492e+00	5e-02	2e-02	3e-15	1e-03
5:	9.3655e+00	9.3655e+00	9e-03	3e-03	2e-15	2e-04
6:	9.3687e+00	9.3687e+00	2e-04	5e-05	5e-15	4e-06
7:	9.3688e+00	9.3688e+00	2e-06	5e-07	2e-15	4e-08



8: 9.3688e+00 9.3688e+00 2e-08 5e-09 2e-15 4e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9444e+00	6.9529e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0215e+01	1.0217e+01	2e+00	5e-01	1e-15	3e-02
3:	1.0981e+01	1.0982e+01	2e-01	7e-02	1e-15	5e-03
4:	1.1072e+01	1.1072e+01	2e-02	5e-03	1e-15	4e-04
5:	1.1079e+01	1.1079e+01	6e-03	2e-03	9e-16	1e-04
6:	1.1081e+01	1.1081e+01	1e-04	4e-05	2e-15	3e-06
7:	1.1081e+01	1.1081e+01	1e-06	4e-07	9e-16	3e-08
8:	1.1081e+01	1.1081e+01	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7779e+00	4.7804e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3291e+00	7.3299e+00	2e+00	5e-01	2e-15	4e-02
3:	8.1593e+00	8.1595e+00	3e-01	9e-02	1e-15	7e-03
4:	8.2868e+00	8.2869e+00	8e-02	2e-02	8e-16	2e-03
5:	8.3201e+00	8.3201e+00	8e-03	3e-03	3e-15	2e-04
6:	8.3238e+00	8.3238e+00	8e-05	3e-05	6e-16	2e-06
7:	8.3238e+00	8.3238e+00	8e-07	3e-07	6e-16	2e-08
8:	8.3238e+00	8.3238e+00	8e-09	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1537e+00	7.1568e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0480e+01	1.0481e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1189e+01	1.1190e+01	4e-01	1e-01	3e-15	9e-03
4:	1.1388e+01	1.1388e+01	4e-02	1e-02	3e-15	9e-04
5:	1.1404e+01	1.1404e+01	6e-04	2e-04	2e-15	2e-05
6:	1.1404e+01	1.1404e+01	6e-06	2e-06	1e-15	2e-07
7:	1.1404e+01	1.1404e+01	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3857e+00	4.3832e+00	6e+00	2e+00	2e-16	2e-01
2:	7.3520e+00	7.3510e+00	1e+00	4e-01	2e-15	4e-02
3:	7.9526e+00	7.9521e+00	4e-01	1e-01	2e-15	1e-02
4:	8.1345e+00	8.1345e+00	5e-02	2e-02	3e-15	1e-03
5:	8.1545e+00	8.1545e+00	6e-03	2e-03	2e-15	2e-04
6:	8.1577e+00	8.1577e+00	5e-04	2e-04	8e-16	1e-05
7:	8.1579e+00	8.1579e+00	5e-06	2e-06	1e-15	1e-07
8:	8.1579e+00	8.1579e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1147e+00	7.1240e+00	7e+00	2e+00	3e-16	2e-01

2:	1.0783e+01	1.0786e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1502e+01	1.1503e+01	4e-01	1e-01	7e-16	9e-03
4:	1.1637e+01	1.1637e+01	5e-02	1e-02	3e-15	1e-03
5:	1.1654e+01	1.1654e+01	7e-04	2e-04	4e-15	2e-05
6:	1.1655e+01	1.1655e+01	7e-06	2e-06	3e-15	2e-07
7:	1.1655e+01	1.1655e+01	7e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9659e+00	4.9717e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4832e+00	8.4849e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9522e+00	8.9526e+00	2e-01	8e-02	2e-15	6e-03
4:	9.0100e+00	9.0101e+00	6e-02	2e-02	3e-15	2e-03
5:	9.0319e+00	9.0320e+00	2e-02	6e-03	1e-15	5e-04
6:	9.0384e+00	9.0384e+00	5e-04	2e-04	1e-15	1e-05
7:	9.0385e+00	9.0385e+00	5e-06	2e-06	1e-15	1e-07
8:	9.0385e+00	9.0385e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0516e+00	5.0516e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9064e+00	7.9064e+00	2e+00	5e-01	1e-15	4e-02
3:	8.4720e+00	8.4720e+00	5e-01	1e-01	2e-15	1e-02
4:	8.6648e+00	8.6648e+00	1e-01	3e-02	2e-15	3e-03
5:	8.7121e+00	8.7121e+00	8e-03	3e-03	3e-15	2e-04
6:	8.7163e+00	8.7163e+00	8e-05	3e-05	4e-15	2e-06
7:	8.7163e+00	8.7163e+00	8e-07	3e-07	3e-15	2e-08
8:	8.7163e+00	8.7163e+00	8e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1203e+00	8.1249e+00	7e+00	2e+00	5e-16	2e-01
2:	1.1407e+01	1.1408e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1971e+01	1.1971e+01	7e-02	2e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	7e-04	2e-04	2e-15	2e-05
5:	1.2000e+01	1.2000e+01	7e-06	2e-06	2e-15	2e-07
6:	1.2000e+01	1.2000e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3785e+00	8.3827e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1024e+01	1.1026e+01	2e+00	6e-01	2e-15	5e-02
3:	1.1624e+01	1.1625e+01	7e-01	2e-01	2e-15	2e-02
4:	1.1984e+01	1.1984e+01	1e-01	4e-02	1e-15	3e-03
5:	1.2035e+01	1.2035e+01	3e-02	9e-03	6e-15	7e-04
6:	1.2046e+01	1.2046e+01	3e-03	8e-04	9e-15	6e-05
7:	1.2048e+01	1.2048e+01	3e-05	9e-06	2e-15	7e-07
8:	1.2048e+01	1.2048e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9589e+00	5.9749e+00	1e+01	3e+00	3e-16	2e-01
2:	9.2036e+00	9.2083e+00	2e+00	7e-01	2e-15	4e-02
3:	9.9706e+00	9.9722e+00	5e-01	2e-01	1e-15	1e-02
4:	1.0204e+01	1.0205e+01	1e-01	5e-02	8e-16	3e-03
5:	1.0285e+01	1.0285e+01	1e-02	4e-03	1e-15	3e-04
6:	1.0291e+01	1.0291e+01	2e-03	5e-04	2e-14	4e-05
7:	1.0291e+01	1.0291e+01	2e-05	6e-06	6e-15	4e-07
8:	1.0291e+01	1.0291e+01	2e-07	6e-08	8e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0903e+00	8.0958e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2059e+01	1.2061e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2371e+01	1.2372e+01	5e-01	2e-01	3e-15	1e-02
4:	1.2596e+01	1.2596e+01	7e-02	2e-02	8e-16	2e-03
5:	1.2627e+01	1.2627e+01	7e-03	2e-03	4e-15	2e-04
6:	1.2629e+01	1.2629e+01	9e-04	3e-04	2e-13	2e-05
7:	1.2629e+01	1.2629e+01	4e-05	1e-05	1e-14	9e-07
8:	1.2629e+01	1.2629e+01	4e-07	1e-07	4e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4463e+00	6.4495e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0046e+01	1.0047e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0572e+01	1.0572e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0761e+01	1.0761e+01	8e-02	3e-02	2e-15	2e-03
5:	1.0802e+01	1.0802e+01	3e-03	9e-04	2e-15	7e-05
6:	1.0803e+01	1.0803e+01	3e-05	9e-06	3e-15	7e-07
7:	1.0803e+01	1.0803e+01	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5999e+00	6.6133e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0078e+01	1.0081e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0688e+01	1.0689e+01	2e-01	7e-02	1e-15	5e-03
4:	1.0784e+01	1.0784e+01	4e-02	1e-02	2e-15	9e-04
5:	1.0799e+01	1.0799e+01	1e-03	3e-04	4e-15	2e-05
6:	1.0799e+01	1.0799e+01	1e-05	3e-06	2e-15	2e-07
7:	1.0799e+01	1.0799e+01	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5497e+00	7.5570e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0289e+01	1.0292e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1067e+01	1.1067e+01	3e-01	9e-02	1e-15	7e-03

4:	1.1193e+01	1.1194e+01	4e-02	1e-02	3e-15	9e-04
5:	1.1214e+01	1.1214e+01	3e-03	1e-03	2e-15	8e-05
6:	1.1216e+01	1.1216e+01	3e-05	1e-05	2e-15	8e-07
7:	1.1216e+01	1.1216e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2836e+00	6.2955e+00	8e+00	3e+00	3e-16	2e-01
2:	8.9333e+00	8.9369e+00	2e+00	6e-01	1e-15	4e-02
3:	9.9114e+00	9.9123e+00	4e-01	1e-01	9e-16	9e-03
4:	1.0063e+01	1.0063e+01	8e-02	3e-02	1e-15	2e-03
5:	1.0106e+01	1.0106e+01	1e-02	5e-03	1e-15	3e-04
6:	1.0112e+01	1.0112e+01	1e-03	5e-04	9e-15	4e-05
7:	1.0113e+01	1.0113e+01	1e-05	5e-06	9e-16	4e-07
8:	1.0113e+01	1.0113e+01	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9349e+00	8.9384e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2726e+01	1.2726e+01	7e-01	2e-01	2e-15	2e-02
3:	1.2987e+01	1.2987e+01	4e-02	1e-02	3e-15	8e-04
4:	1.3000e+01	1.3000e+01	4e-04	1e-04	8e-15	9e-06
5:	1.3000e+01	1.3000e+01	4e-06	1e-06	9e-15	9e-08
6:	1.3000e+01	1.3000e+01	4e-08	1e-08	8e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6454e+00	6.6506e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7720e+00	9.7735e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0448e+01	1.0448e+01	2e-01	7e-02	1e-15	5e-03
4:	1.0484e+01	1.0484e+01	9e-02	3e-02	1e-14	2e-03
5:	1.0521e+01	1.0521e+01	1e-02	4e-03	3e-15	3e-04
6:	1.0527e+01	1.0527e+01	1e-04	4e-05	1e-15	3e-06
7:	1.0527e+01	1.0527e+01	1e-06	4e-07	1e-15	3e-08
8:	1.0527e+01	1.0527e+01	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0709e+00	6.0820e+00	8e+00	2e+00	2e-16	2e-01
2:	9.3610e+00	9.3661e+00	3e+00	8e-01	9e-16	6e-02
3:	1.0165e+01	1.0166e+01	6e-01	2e-01	9e-16	1e-02
4:	1.0442e+01	1.0443e+01	2e-01	5e-02	7e-16	4e-03
5:	1.0492e+01	1.0493e+01	3e-02	9e-03	4e-15	7e-04
6:	1.0505e+01	1.0505e+01	3e-04	1e-04	5e-16	8e-06
7:	1.0505e+01	1.0505e+01	3e-06	1e-06	7e-16	8e-08
8:	1.0505e+01	1.0505e+01	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9978e+00	8.0061e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1531e+01	1.1534e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2226e+01	1.2227e+01	3e-01	9e-02	1e-15	6e-03
4:	1.2303e+01	1.2303e+01	9e-02	3e-02	9e-15	2e-03
5:	1.2345e+01	1.2345e+01	1e-03	4e-04	9e-16	3e-05
6:	1.2345e+01	1.2345e+01	1e-05	4e-06	1e-15	3e-07
7:	1.2345e+01	1.2345e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8919e+00	5.9006e+00	8e+00	2e+00	2e-16	2e-01
2:	9.2315e+00	9.2347e+00	2e+00	7e-01	2e-15	5e-02
3:	9.7971e+00	9.7981e+00	6e-01	2e-01	1e-15	1e-02
4:	9.9600e+00	9.9604e+00	2e-01	7e-02	1e-15	5e-03
5:	1.0062e+01	1.0062e+01	2e-02	5e-03	6e-16	4e-04
6:	1.0069e+01	1.0069e+01	2e-04	5e-05	8e-16	4e-06
7:	1.0069e+01	1.0069e+01	2e-06	5e-07	9e-16	4e-08
8:	1.0069e+01	1.0069e+01	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1087e+00	8.1141e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1240e+01	1.1241e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2174e+01	1.2174e+01	3e-01	9e-02	8e-16	7e-03
4:	1.2288e+01	1.2288e+01	2e-02	8e-03	5e-15	6e-04
5:	1.2298e+01	1.2298e+01	8e-04	2e-04	2e-14	2e-05
6:	1.2298e+01	1.2298e+01	8e-06	2e-06	5e-15	2e-07
7:	1.2298e+01	1.2298e+01	8e-08	2e-08	6e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5752e+00	8.5793e+00	6e+00	2e+00	5e-16	1e-01
2:	1.1877e+01	1.1879e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2814e+01	1.2814e+01	2e-01	8e-02	2e-15	6e-03
4:	1.2900e+01	1.2900e+01	8e-02	2e-02	2e-14	2e-03
5:	1.2937e+01	1.2937e+01	2e-02	5e-03	6e-15	4e-04
6:	1.2943e+01	1.2943e+01	4e-04	1e-04	1e-14	1e-05
7:	1.2943e+01	1.2943e+01	2e-05	7e-06	2e-12	6e-07
8:	1.2943e+01	1.2943e+01	3e-07	8e-08	4e-12	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2335e+00	7.2388e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0408e+01	1.0410e+01	2e+00	6e-01	1e-15	5e-02
3:	1.1442e+01	1.1442e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1613e+01	1.1613e+01	4e-02	1e-02	2e-15	1e-03
5:	1.1637e+01	1.1637e+01	5e-03	1e-03	1e-14	1e-04

6:	1.1639e+01	1.1639e+01	7e-05	2e-05	6e-14	2e-06
7:	1.1639e+01	1.1639e+01	7e-07	2e-07	3e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4314e+00	7.4357e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0583e+01	1.0585e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1307e+01	1.1308e+01	3e-01	1e-01	1e-15	8e-03
4:	1.1475e+01	1.1475e+01	3e-02	9e-03	2e-15	6e-04
5:	1.1482e+01	1.1482e+01	1e-02	4e-03	3e-14	3e-04
6:	1.1488e+01	1.1488e+01	2e-04	6e-05	2e-15	5e-06
7:	1.1488e+01	1.1488e+01	2e-06	6e-07	7e-15	5e-08
8:	1.1488e+01	1.1488e+01	2e-08	6e-09	7e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3833e+00	8.3918e+00	7e+00	2e+00	5e-16	1e-01
2:	1.1444e+01	1.1446e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2045e+01	1.2045e+01	3e-01	9e-02	2e-15	7e-03
4:	1.2210e+01	1.2210e+01	5e-03	2e-03	8e-16	1e-04
5:	1.2213e+01	1.2213e+01	5e-05	2e-05	1e-15	1e-06
6:	1.2213e+01	1.2213e+01	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5468e+00	7.5524e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0920e+01	1.0922e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1511e+01	1.1511e+01	3e-01	8e-02	1e-15	6e-03
4:	1.1620e+01	1.1620e+01	4e-02	1e-02	8e-16	9e-04
5:	1.1635e+01	1.1635e+01	9e-03	3e-03	6e-16	2e-04
6:	1.1639e+01	1.1639e+01	9e-05	3e-05	6e-16	2e-06
7:	1.1639e+01	1.1639e+01	9e-07	3e-07	6e-16	2e-08
8:	1.1639e+01	1.1639e+01	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6553e+00	6.6623e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0874e+01	1.0876e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1420e+01	1.1420e+01	3e-01	1e-01	2e-15	7e-03
4:	1.1489e+01	1.1490e+01	9e-02	3e-02	7e-15	2e-03
5:	1.1522e+01	1.1523e+01	2e-02	8e-03	2e-15	6e-04
6:	1.1530e+01	1.1530e+01	3e-04	9e-05	2e-15	7e-06
7:	1.1530e+01	1.1530e+01	3e-06	9e-07	3e-15	7e-08
8:	1.1530e+01	1.1530e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6628e+00	6.6682e+00	7e+00	2e+00	3e-16	2e-01

2:	9.8390e+00	9.8407e+00	1e+00	5e-01	2e-15	3e-02
3:	1.0299e+01	1.0299e+01	4e-01	1e-01	2e-15	8e-03
4:	1.0475e+01	1.0475e+01	5e-02	2e-02	8e-16	1e-03
5:	1.0490e+01	1.0490e+01	1e-02	4e-03	8e-15	3e-04
6:	1.0497e+01	1.0497e+01	5e-04	2e-04	7e-16	1e-05
7:	1.0497e+01	1.0497e+01	5e-06	2e-06	2e-15	1e-07
8:	1.0497e+01	1.0497e+01	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0919e+00	7.1013e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0315e+01	1.0319e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1346e+01	1.1346e+01	2e-01	7e-02	1e-15	5e-03
4:	1.1393e+01	1.1393e+01	1e-01	3e-02	9e-15	2e-03
5:	1.1436e+01	1.1436e+01	1e-02	3e-03	2e-15	3e-04
6:	1.1440e+01	1.1440e+01	1e-04	4e-05	4e-15	3e-06
7:	1.1440e+01	1.1440e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1315e+00	8.1393e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1807e+01	1.1809e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2514e+01	1.2514e+01	4e-01	1e-01	2e-15	8e-03
4:	1.2628e+01	1.2628e+01	8e-02	2e-02	6e-15	2e-03
5:	1.2663e+01	1.2663e+01	2e-02	6e-03	2e-15	4e-04
6:	1.2670e+01	1.2670e+01	2e-04	6e-05	2e-15	5e-06
7:	1.2670e+01	1.2670e+01	2e-06	6e-07	2e-15	5e-08
8:	1.2670e+01	1.2670e+01	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0242e+00	7.0323e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0574e+01	1.0577e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1413e+01	1.1414e+01	3e-01	1e-01	8e-16	8e-03
4:	1.1572e+01	1.1572e+01	3e-02	1e-02	4e-15	8e-04
5:	1.1585e+01	1.1585e+01	5e-03	2e-03	5e-15	1e-04
6:	1.1587e+01	1.1587e+01	7e-05	2e-05	3e-15	2e-06
7:	1.1587e+01	1.1587e+01	7e-07	2e-07	4e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4912e+00	4.4957e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0506e+00	8.0519e+00	1e+00	4e-01	3e-15	3e-02
3:	8.5456e+00	8.5460e+00	3e-01	1e-01	1e-15	7e-03
4:	8.6400e+00	8.6401e+00	4e-02	1e-02	3e-15	9e-04
5:	8.6560e+00	8.6560e+00	2e-03	7e-04	8e-16	6e-05
6:	8.6568e+00	8.6568e+00	2e-05	8e-06	1e-15	6e-07
7:	8.6568e+00	8.6568e+00	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2809e+00	7.2849e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0828e+01	1.0829e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1288e+01	1.1289e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1516e+01	1.1516e+01	1e-01	3e-02	2e-15	2e-03
5:	1.1557e+01	1.1557e+01	1e-02	4e-03	1e-15	3e-04
6:	1.1562e+01	1.1562e+01	1e-04	4e-05	1e-15	3e-06
7:	1.1562e+01	1.1562e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5534e+00	8.5554e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2324e+01	1.2324e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2908e+01	1.2908e+01	2e-01	6e-02	2e-15	4e-03
4:	1.2989e+01	1.2989e+01	3e-02	9e-03	2e-14	7e-04
5:	1.3000e+01	1.3000e+01	7e-04	2e-04	5e-14	2e-05
6:	1.3000e+01	1.3000e+01	7e-06	2e-06	2e-14	2e-07
7:	1.3000e+01	1.3000e+01	7e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9200e+00	6.9250e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0666e+01	1.0667e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1166e+01	1.1166e+01	2e-01	6e-02	2e-15	5e-03
4:	1.1254e+01	1.1254e+01	1e-02	4e-03	1e-15	3e-04
5:	1.1261e+01	1.1261e+01	2e-04	5e-05	1e-15	4e-06
6:	1.1261e+01	1.1261e+01	2e-06	5e-07	1e-15	4e-08
7:	1.1261e+01	1.1261e+01	2e-08	5e-09	7e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.1682e+00	8.1774e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2646e+01	1.2648e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2951e+01	1.2952e+01	1e-01	4e-02	2e-15	3e-03
4:	1.2999e+01	1.2999e+01	2e-03	5e-04	2e-15	4e-05
5:	1.3000e+01	1.3000e+01	2e-05	5e-06	1e-15	4e-07
6:	1.3000e+01	1.3000e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3811e+00	5.3872e+00	8e+00	2e+00	2e-16	2e-01
2:	8.9494e+00	8.9512e+00	1e+00	5e-01	9e-16	3e-02
3:	9.2982e+00	9.2988e+00	3e-01	1e-01	2e-15	8e-03
4:	9.4478e+00	9.4480e+00	6e-02	2e-02	6e-16	1e-03
5:	9.4658e+00	9.4658e+00	6e-03	2e-03	9e-16	1e-04
6:	9.4676e+00	9.4676e+00	9e-05	3e-05	7e-15	2e-06



7:	9.4676e+00	9.4676e+00	9e-07	3e-07	4e-15	2e-08
8:	9.4676e+00	9.4676e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7743e+00	5.7790e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2410e+00	8.2427e+00	2e+00	6e-01	3e-15	4e-02
3:	9.0291e+00	9.0296e+00	4e-01	1e-01	2e-15	1e-02
4:	9.1585e+00	9.1587e+00	1e-01	4e-02	2e-15	3e-03
5:	9.2305e+00	9.2305e+00	1e-02	4e-03	6e-16	3e-04
6:	9.2360e+00	9.2360e+00	6e-04	2e-04	6e-15	2e-05
7:	9.2363e+00	9.2363e+00	6e-06	2e-06	2e-15	2e-07
8:	9.2363e+00	9.2363e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8620e+00	6.8676e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9241e+00	9.9259e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0652e+01	1.0653e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0786e+01	1.0786e+01	2e-01	6e-02	4e-15	5e-03
5:	1.0868e+01	1.0868e+01	3e-02	8e-03	1e-15	6e-04
6:	1.0881e+01	1.0881e+01	3e-03	1e-03	1e-15	8e-05
7:	1.0882e+01	1.0882e+01	5e-05	1e-05	8e-15	1e-06
8:	1.0882e+01	1.0882e+01	5e-07	1e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5467e+00	7.5571e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2290e+01	1.2293e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2624e+01	1.2625e+01	4e-01	1e-01	3e-15	9e-03
4:	1.2718e+01	1.2718e+01	1e-01	3e-02	3e-15	3e-03
5:	1.2764e+01	1.2764e+01	1e-02	4e-03	9e-16	3e-04
6:	1.2768e+01	1.2768e+01	3e-03	1e-03	2e-15	8e-05
7:	1.2769e+01	1.2769e+01	5e-05	1e-05	5e-15	1e-06
8:	1.2769e+01	1.2769e+01	5e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5347e+00	5.5428e+00	7e+00	2e+00	4e-16	2e-01
2:	8.6831e+00	8.6864e+00	2e+00	6e-01	1e-15	4e-02
3:	9.4209e+00	9.4216e+00	4e-01	1e-01	1e-15	8e-03
4:	9.5172e+00	9.5175e+00	1e-01	4e-02	4e-15	3e-03
5:	9.5704e+00	9.5705e+00	3e-02	9e-03	3e-15	7e-04
6:	9.5803e+00	9.5803e+00	1e-03	3e-04	3e-15	2e-05
7:	9.5806e+00	9.5806e+00	1e-05	3e-06	2e-15	2e-07
8:	9.5806e+00	9.5806e+00	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9255e+00	7.9282e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0994e+01	1.0995e+01	2e+00	6e-01	4e-15	4e-02
3:	1.1783e+01	1.1784e+01	5e-01	2e-01	7e-15	1e-02
4:	1.1957e+01	1.1957e+01	1e-01	4e-02	3e-15	3e-03
5:	1.2010e+01	1.2010e+01	1e-02	4e-03	3e-15	3e-04
6:	1.2018e+01	1.2018e+01	3e-04	1e-04	9e-16	7e-06
7:	1.2018e+01	1.2018e+01	3e-06	1e-06	9e-16	7e-08
8:	1.2018e+01	1.2018e+01	3e-08	1e-08	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0341e+00	4.0391e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2128e+00	7.2142e+00	1e+00	4e-01	3e-15	3e-02
3:	7.6429e+00	7.6433e+00	3e-01	9e-02	1e-15	7e-03
4:	7.7306e+00	7.7306e+00	4e-02	1e-02	1e-15	1e-03
5:	7.7492e+00	7.7492e+00	8e-04	2e-04	8e-16	2e-05
6:	7.7495e+00	7.7495e+00	8e-06	2e-06	7e-16	2e-07
7:	7.7495e+00	7.7495e+00	8e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2231e+00	6.2370e+00	9e+00	3e+00	3e-16	2e-01
2:	9.8140e+00	9.8185e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0535e+01	1.0536e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0688e+01	1.0688e+01	5e-02	2e-02	1e-15	1e-03
5:	1.0708e+01	1.0708e+01	8e-03	3e-03	9e-16	2e-04
6:	1.0711e+01	1.0711e+01	1e-04	4e-05	4e-15	3e-06
7:	1.0711e+01	1.0711e+01	1e-06	4e-07	2e-15	3e-08
8:	1.0711e+01	1.0711e+01	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3476e+00	9.3498e+00	6e+00	2e+00	3e-16	2e-01
2:	1.2418e+01	1.2418e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2975e+01	1.2975e+01	6e-02	2e-02	4e-15	1e-03
4:	1.3000e+01	1.3000e+01	6e-04	2e-04	2e-15	1e-05
5:	1.3000e+01	1.3000e+01	6e-06	2e-06	2e-15	1e-07
6:	1.3000e+01	1.3000e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4493e+00	8.4534e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1970e+01	1.1972e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2529e+01	1.2529e+01	2e-01	7e-02	1e-15	6e-03
4:	1.2623e+01	1.2623e+01	5e-02	1e-02	4e-15	1e-03
5:	1.2646e+01	1.2646e+01	5e-04	2e-04	9e-16	1e-05
6:	1.2647e+01	1.2647e+01	5e-06	2e-06	9e-16	1e-07

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7: 1.2647e+01 1.2647e+01 5e-08 2e-08 7e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.6833e+00 5.7003e+00 8e+00 3e+00 3e-16 2e-01
2: 9.0456e+00 9.0504e+00 2e+00 5e-01 1e-15 4e-02
3: 9.7015e+00 9.7025e+00 3e-01 1e-01 1e-15 7e-03
4: 9.8579e+00 9.8582e+00 7e-02 2e-02 1e-15 2e-03
5: 9.8811e+00 9.8812e+00 2e-02 8e-03 3e-15 6e-04
6: 9.8923e+00 9.8923e+00 3e-04 9e-05 8e-16 6e-06
7: 9.8924e+00 9.8924e+00 3e-06 9e-07 6e-16 6e-08
8: 9.8924e+00 9.8924e+00 3e-08 9e-09 5e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.0746e+00 5.0833e+00 8e+00 2e+00 3e-16 2e-01
2: 7.9118e+00 7.9143e+00 2e+00 5e-01 3e-15 4e-02
3: 8.4058e+00 8.4063e+00 3e-01 8e-02 6e-16 6e-03
4: 8.5012e+00 8.5014e+00 7e-02 2e-02 1e-15 2e-03
5: 8.5284e+00 8.5285e+00 8e-03 2e-03 9e-16 2e-04
6: 8.5313e+00 8.5313e+00 2e-04 7e-05 3e-15 6e-06
7: 8.5314e+00 8.5314e+00 2e-06 7e-07 8e-16 6e-08
8: 8.5314e+00 8.5314e+00 2e-08 7e-09 4e-15 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.8883e+00 5.9035e+00 8e+00 3e+00 4e-16 2e-01
2: 9.4058e+00 9.4098e+00 1e+00 5e-01 1e-15 3e-02
3: 9.9167e+00 9.9173e+00 2e-01 6e-02 1e-15 4e-03
4: 9.9961e+00 9.9961e+00 2e-02 7e-03 9e-16 5e-04
5: 1.0007e+01 1.0007e+01 3e-04 9e-05 2e-15 6e-06
6: 1.0007e+01 1.0007e+01 3e-06 9e-07 1e-15 6e-08
7: 1.0007e+01 1.0007e+01 3e-08 9e-09 9e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.9184e+00 7.9213e+00 7e+00 2e+00 3e-16 2e-01
2: 1.0602e+01 1.0603e+01 2e+00 5e-01 1e-15 4e-02
3: 1.1384e+01 1.1384e+01 3e-01 9e-02 2e-15 7e-03
4: 1.1514e+01 1.1514e+01 2e-02 6e-03 7e-16 4e-04
5: 1.1521e+01 1.1521e+01 2e-04 6e-05 1e-15 5e-06
6: 1.1522e+01 1.1522e+01 2e-06 6e-07 8e-16 5e-08
7: 1.1522e+01 1.1522e+01 2e-08 6e-09 1e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.5343e+00 6.5395e+00 7e+00 2e+00 3e-16 2e-01
2: 9.7823e+00 9.7842e+00 2e+00 7e-01 2e-15 5e-02

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3:	1.0701e+01	1.0702e+01	5e-01	1e-01	2e-15	1e-02
4:	1.0915e+01	1.0915e+01	6e-02	2e-02	2e-15	1e-03
5:	1.0941e+01	1.0941e+01	6e-04	2e-04	1e-15	2e-05
6:	1.0941e+01	1.0941e+01	6e-06	2e-06	7e-16	2e-07
7:	1.0941e+01	1.0941e+01	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2480e+00	6.2536e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8382e+00	9.8398e+00	1e+00	5e-01	3e-15	3e-02
3:	1.0429e+01	1.0430e+01	4e-01	1e-01	2e-15	9e-03
4:	1.0600e+01	1.0600e+01	9e-02	3e-02	1e-15	2e-03
5:	1.0622e+01	1.0622e+01	3e-02	1e-02	1e-14	8e-04
6:	1.0634e+01	1.0634e+01	6e-03	2e-03	5e-15	2e-04
7:	1.0637e+01	1.0637e+01	9e-04	3e-04	2e-14	2e-05
8:	1.0637e+01	1.0637e+01	1e-05	4e-06	2e-15	3e-07
9:	1.0637e+01	1.0637e+01	1e-07	4e-08	8e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6919e+00	7.6997e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0616e+01	1.0619e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1101e+01	1.1102e+01	4e-01	1e-01	9e-16	1e-02
4:	1.1246e+01	1.1247e+01	7e-02	2e-02	1e-15	2e-03
5:	1.1274e+01	1.1274e+01	9e-03	3e-03	8e-16	2e-04
6:	1.1277e+01	1.1277e+01	9e-05	3e-05	1e-15	2e-06
7:	1.1277e+01	1.1277e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.5132e+00	8.5183e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1295e+01	1.1296e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2125e+01	1.2125e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2344e+01	1.2344e+01	3e-02	1e-02	1e-15	7e-04
5:	1.2359e+01	1.2359e+01	4e-04	1e-04	3e-15	9e-06
6:	1.2359e+01	1.2359e+01	4e-06	1e-06	2e-15	9e-08
7:	1.2359e+01	1.2359e+01	4e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6115e+00	8.6156e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1988e+01	1.1990e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2456e+01	1.2457e+01	6e-01	2e-01	5e-15	1e-02
4:	1.2600e+01	1.2600e+01	2e-01	6e-02	4e-15	4e-03
5:	1.2679e+01	1.2679e+01	1e-02	4e-03	6e-16	3e-04
6:	1.2685e+01	1.2685e+01	2e-04	7e-05	1e-15	5e-06
7:	1.2685e+01	1.2685e+01	2e-06	7e-07	1e-15	5e-08
8:	1.2685e+01	1.2685e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6912e+00	5.7002e+00	8e+00	3e+00	2e-16	2e-01
2:	9.3843e+00	9.3871e+00	2e+00	5e-01	1e-15	4e-02
3:	9.9612e+00	9.9620e+00	4e-01	1e-01	1e-15	8e-03
4:	1.0075e+01	1.0075e+01	1e-01	3e-02	3e-15	2e-03
5:	1.0108e+01	1.0108e+01	2e-02	7e-03	7e-15	6e-04
6:	1.0118e+01	1.0118e+01	4e-04	1e-04	6e-16	1e-05
7:	1.0119e+01	1.0119e+01	4e-06	1e-06	1e-15	1e-07
8:	1.0119e+01	1.0119e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0818e+00	6.0955e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0942e+01	1.0946e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1333e+01	1.1334e+01	3e-01	1e-01	2e-15	7e-03
4:	1.1418e+01	1.1418e+01	6e-02	2e-02	6e-15	1e-03
5:	1.1442e+01	1.1442e+01	2e-02	5e-03	2e-15	4e-04
6:	1.1448e+01	1.1448e+01	2e-03	5e-04	1e-14	4e-05
7:	1.1449e+01	1.1449e+01	2e-05	5e-06	1e-15	4e-07
8:	1.1449e+01	1.1449e+01	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7293e+00	5.7329e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1949e+00	9.1963e+00	2e+00	5e-01	1e-15	4e-02
3:	9.8937e+00	9.8941e+00	3e-01	1e-01	9e-16	8e-03
4:	1.0024e+01	1.0024e+01	6e-02	2e-02	2e-15	2e-03
5:	1.0048e+01	1.0048e+01	2e-03	5e-04	8e-15	4e-05
6:	1.0048e+01	1.0048e+01	2e-05	5e-06	3e-15	4e-07
7:	1.0048e+01	1.0048e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0432e+00	7.0480e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0884e+01	1.0885e+01	1e+00	3e-01	2e-15	2e-02
3:	1.1331e+01	1.1332e+01	2e-01	6e-02	2e-15	5e-03
4:	1.1412e+01	1.1412e+01	4e-02	1e-02	4e-15	9e-04
5:	1.1431e+01	1.1431e+01	3e-03	1e-03	8e-16	8e-05
6:	1.1432e+01	1.1432e+01	1e-03	3e-04	1e-13	2e-05
7:	1.1433e+01	1.1433e+01	1e-05	3e-06	3e-15	3e-07
8:	1.1433e+01	1.1433e+01	1e-07	3e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3737e+00	6.3797e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0320e+01	1.0322e+01	2e+00	5e-01	2e-15	4e-02

3:	1.1177e+01	1.1178e+01	2e-01	6e-02	1e-15	5e-03
4:	1.1239e+01	1.1240e+01	4e-02	1e-02	2e-14	1e-03
5:	1.1259e+01	1.1259e+01	6e-03	2e-03	6e-15	1e-04
6:	1.1262e+01	1.1262e+01	9e-04	3e-04	2e-15	2e-05
7:	1.1262e+01	1.1262e+01	1e-05	3e-06	5e-15	2e-07
8:	1.1262e+01	1.1262e+01	1e-07	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4479e+00	7.4593e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0272e+01	1.0276e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0832e+01	1.0833e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0978e+01	1.0979e+01	1e-01	3e-02	1e-15	2e-03
5:	1.0995e+01	1.0995e+01	4e-02	1e-02	4e-15	1e-03
6:	1.1012e+01	1.1012e+01	3e-03	9e-04	8e-16	7e-05
7:	1.1013e+01	1.1013e+01	3e-05	9e-06	6e-16	7e-07
8:	1.1013e+01	1.1013e+01	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8908e+00	6.9028e+00	6e+00	2e+00	3e-16	1e-01
2:	8.5408e+00	8.5460e+00	2e+00	7e-01	1e-15	5e-02
3:	9.2112e+00	9.2125e+00	5e-01	2e-01	9e-16	1e-02
4:	9.4233e+00	9.4236e+00	9e-02	3e-02	2e-15	2e-03
5:	9.4606e+00	9.4607e+00	1e-02	4e-03	1e-15	3e-04
6:	9.4649e+00	9.4649e+00	2e-04	7e-05	7e-15	5e-06
7:	9.4650e+00	9.4650e+00	2e-06	7e-07	2e-14	5e-08
8:	9.4650e+00	9.4650e+00	2e-08	7e-09	2e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6523e+00	9.6563e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2740e+01	1.2741e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3370e+01	1.3370e+01	3e-01	9e-02	1e-15	6e-03
4:	1.3491e+01	1.3491e+01	2e-02	6e-03	5e-15	5e-04
5:	1.3501e+01	1.3501e+01	2e-04	6e-05	1e-15	5e-06
6:	1.3501e+01	1.3501e+01	2e-06	6e-07	9e-16	5e-08
7:	1.3501e+01	1.3501e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0320e+00	9.0363e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2481e+01	1.2482e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2726e+01	1.2727e+01	6e-01	2e-01	2e-15	1e-02
4:	1.3003e+01	1.3003e+01	9e-02	3e-02	2e-15	2e-03
5:	1.3033e+01	1.3033e+01	9e-03	3e-03	1e-14	2e-04
6:	1.3036e+01	1.3036e+01	9e-04	3e-04	7e-14	2e-05
7:	1.3036e+01	1.3036e+01	9e-06	3e-06	4e-15	2e-07

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8: 1.3036e+01 1.3036e+01 9e-08 3e-08 4e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.5886e+00 5.6023e+00 8e+00 2e+00 3e-16 2e-01
2: 9.0666e+00 9.0707e+00 2e+00 5e-01 1e-15 4e-02
3: 9.6112e+00 9.6118e+00 2e-01 7e-02 9e-16 5e-03
4: 9.7222e+00 9.7222e+00 1e-02 4e-03 2e-15 3e-04
5: 9.7278e+00 9.7278e+00 1e-04 4e-05 2e-15 3e-06
6: 9.7279e+00 9.7279e+00 1e-06 4e-07 1e-15 3e-08
7: 9.7279e+00 9.7279e+00 1e-08 4e-09 2e-15 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 7.8162e+00 7.8279e+00 7e+00 2e+00 3e-16 2e-01
2: 1.0383e+01 1.0386e+01 1e+00 4e-01 2e-15 3e-02
3: 1.0888e+01 1.0890e+01 5e-01 2e-01 2e-15 1e-02
4: 1.1041e+01 1.1041e+01 2e-01 6e-02 3e-15 4e-03
5: 1.1094e+01 1.1094e+01 4e-02 1e-02 7e-15 1e-03
6: 1.1111e+01 1.1111e+01 7e-03 2e-03 1e-15 2e-04
7: 1.1113e+01 1.1113e+01 7e-05 2e-05 2e-15 2e-06
8: 1.1113e+01 1.1113e+01 7e-07 2e-07 2e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.3626e+00 6.3653e+00 7e+00 2e+00 2e-16 2e-01
2: 1.0207e+01 1.0207e+01 1e+00 3e-01 1e-15 2e-02
3: 1.0472e+01 1.0473e+01 3e-01 9e-02 4e-15 7e-03
4: 1.0631e+01 1.0631e+01 9e-03 3e-03 1e-15 2e-04
5: 1.0636e+01 1.0636e+01 9e-05 3e-05 7e-16 2e-06
6: 1.0636e+01 1.0636e+01 9e-07 3e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 8.0853e+00 8.0983e+00 8e+00 2e+00 2e-16 2e-01
2: 1.2286e+01 1.2289e+01 1e+00 4e-01 2e-15 3e-02
3: 1.2809e+01 1.2810e+01 2e-01 7e-02 2e-15 5e-03
4: 1.2920e+01 1.2921e+01 4e-02 1e-02 9e-16 9e-04
5: 1.2940e+01 1.2940e+01 5e-04 2e-04 2e-15 1e-05
6: 1.2940e+01 1.2940e+01 5e-06 2e-06 2e-15 1e-07
7: 1.2940e+01 1.2940e+01 5e-08 2e-08 2e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 8.0018e+00 8.0089e+00 7e+00 2e+00 2e-16 2e-01
2: 1.1961e+01 1.1963e+01 2e+00 6e-01 1e-15 4e-02
3: 1.2691e+01 1.2692e+01 6e-01 2e-01 1e-15 1e-02
4: 1.2891e+01 1.2891e+01 1e-01 4e-02 3e-15 3e-03

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5:	1.2938e+01	1.2938e+01	4e-02	1e-02	7e-15	9e-04
6:	1.2950e+01	1.2950e+01	8e-03	3e-03	3e-14	2e-04
7:	1.2953e+01	1.2953e+01	1e-04	4e-05	2e-15	3e-06
8:	1.2953e+01	1.2953e+01	1e-06	4e-07	6e-15	3e-08
9:	1.2953e+01	1.2953e+01	1e-08	4e-09	5e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2746e+00	7.2803e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1344e+01	1.1346e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1654e+01	1.1655e+01	6e-01	2e-01	4e-15	1e-02
4:	1.1931e+01	1.1931e+01	8e-02	3e-02	8e-16	2e-03
5:	1.1956e+01	1.1956e+01	9e-04	3e-04	1e-15	2e-05
6:	1.1956e+01	1.1956e+01	9e-06	3e-06	1e-15	2e-07
7:	1.1956e+01	1.1956e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0059e+00	8.0110e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1226e+01	1.1228e+01	2e+00	6e-01	3e-15	4e-02
3:	1.1913e+01	1.1914e+01	6e-01	2e-01	1e-15	1e-02
4:	1.2137e+01	1.2137e+01	2e-01	5e-02	1e-15	4e-03
5:	1.2198e+01	1.2198e+01	2e-02	6e-03	3e-15	5e-04
6:	1.2206e+01	1.2206e+01	2e-04	6e-05	2e-15	5e-06
7:	1.2206e+01	1.2206e+01	2e-06	6e-07	2e-15	5e-08
8:	1.2206e+01	1.2206e+01	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5884e+00	7.5929e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0701e+01	1.0702e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1336e+01	1.1337e+01	3e-01	1e-01	1e-15	8e-03
4:	1.1384e+01	1.1384e+01	2e-01	6e-02	2e-15	4e-03
5:	1.1463e+01	1.1463e+01	3e-02	1e-02	8e-16	8e-04
6:	1.1477e+01	1.1477e+01	6e-04	2e-04	8e-16	2e-05
7:	1.1478e+01	1.1478e+01	6e-06	2e-06	8e-16	2e-07
8:	1.1478e+01	1.1478e+01	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3341e+00	5.3428e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8398e+00	8.8428e+00	2e+00	6e-01	2e-15	4e-02
3:	9.5534e+00	9.5540e+00	3e-01	1e-01	1e-15	8e-03
4:	9.6819e+00	9.6820e+00	5e-02	2e-02	2e-15	1e-03
5:	9.7081e+00	9.7081e+00	1e-03	3e-04	1e-15	2e-05
6:	9.7086e+00	9.7086e+00	1e-05	3e-06	9e-16	2e-07
7:	9.7086e+00	9.7086e+00	1e-07	3e-08	7e-16	2e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3150e+00	6.3267e+00	9e+00	3e+00	3e-16	2e-01
2:	1.0446e+01	1.0450e+01	2e+00	6e-01	9e-16	4e-02
3:	1.1078e+01	1.1079e+01	4e-01	1e-01	1e-15	8e-03
4:	1.1259e+01	1.1259e+01	4e-02	1e-02	7e-16	1e-03
5:	1.1274e+01	1.1274e+01	2e-03	6e-04	3e-15	4e-05
6:	1.1274e+01	1.1274e+01	2e-05	6e-06	5e-15	5e-07
7:	1.1274e+01	1.1274e+01	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7660e+00	8.7769e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2693e+01	1.2697e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3433e+01	1.3434e+01	5e-01	1e-01	2e-15	1e-02
4:	1.3616e+01	1.3616e+01	8e-02	3e-02	5e-15	2e-03
5:	1.3657e+01	1.3657e+01	3e-03	1e-03	9e-16	8e-05
6:	1.3658e+01	1.3658e+01	3e-05	1e-05	2e-15	8e-07
7:	1.3658e+01	1.3658e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6808e+00	7.6971e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1064e+01	1.1071e+01	3e+00	8e-01	2e-15	6e-02
3:	1.1777e+01	1.1779e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1997e+01	1.1998e+01	5e-02	2e-02	6e-16	1e-03
5:	1.2019e+01	1.2019e+01	7e-03	2e-03	5e-16	2e-04
6:	1.2022e+01	1.2022e+01	7e-05	2e-05	7e-16	2e-06
7:	1.2022e+01	1.2022e+01	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0377e+00	8.0474e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1737e+01	1.1740e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2470e+01	1.2471e+01	5e-01	2e-01	2e-15	1e-02
4:	1.2656e+01	1.2656e+01	1e-01	4e-02	3e-15	3e-03
5:	1.2725e+01	1.2725e+01	2e-03	7e-04	9e-16	5e-05
6:	1.2726e+01	1.2726e+01	2e-05	7e-06	7e-16	5e-07
7:	1.2726e+01	1.2726e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5738e+00	4.5730e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6798e+00	7.6795e+00	2e+00	5e-01	3e-15	4e-02
3:	8.2502e+00	8.2501e+00	4e-01	1e-01	8e-16	9e-03
4:	8.4234e+00	8.4234e+00	2e-02	7e-03	1e-15	6e-04
5:	8.4353e+00	8.4353e+00	2e-04	7e-05	7e-16	6e-06
6:	8.4354e+00	8.4354e+00	2e-06	7e-07	8e-16	6e-08

7: 8.4354e+00 8.4354e+00 2e-08 7e-09 8e-16 6e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3935e+00	9.3997e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3206e+01	1.3208e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3812e+01	1.3813e+01	3e-01	8e-02	2e-15	6e-03
4:	1.3915e+01	1.3915e+01	4e-02	1e-02	1e-14	1e-03
5:	1.3934e+01	1.3934e+01	1e-03	3e-04	8e-15	2e-05
6:	1.3935e+01	1.3935e+01	1e-05	3e-06	4e-15	2e-07
7:	1.3935e+01	1.3935e+01	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8554e+00	8.8623e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2996e+01	1.2999e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3621e+01	1.3622e+01	7e-01	2e-01	2e-15	2e-02
4:	1.3919e+01	1.3919e+01	1e-01	3e-02	2e-15	2e-03
5:	1.3968e+01	1.3968e+01	1e-02	3e-03	7e-15	2e-04
6:	1.3971e+01	1.3971e+01	3e-03	9e-04	3e-13	7e-05
7:	1.3973e+01	1.3973e+01	9e-05	3e-05	9e-15	2e-06
8:	1.3973e+01	1.3973e+01	9e-07	3e-07	1e-13	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9677e+00	7.9802e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1067e+01	1.1071e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1985e+01	1.1986e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2241e+01	1.2241e+01	8e-02	2e-02	1e-15	2e-03
5:	1.2277e+01	1.2277e+01	6e-03	2e-03	8e-15	1e-04
6:	1.2281e+01	1.2281e+01	8e-05	3e-05	2e-15	2e-06
7:	1.2281e+01	1.2281e+01	8e-07	3e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3516e+00	8.3574e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1518e+01	1.1520e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2008e+01	1.2009e+01	4e-01	1e-01	2e-15	1e-02
4:	1.2177e+01	1.2177e+01	2e-01	5e-02	8e-16	4e-03
5:	1.2227e+01	1.2228e+01	4e-02	1e-02	7e-15	1e-03
6:	1.2247e+01	1.2247e+01	9e-04	3e-04	8e-16	2e-05
7:	1.2247e+01	1.2247e+01	9e-06	3e-06	6e-16	2e-07
8:	1.2247e+01	1.2247e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2505e+00	6.2638e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0020e+01	1.0024e+01	1e+00	4e-01	1e-15	3e-02

3:	1.0430e+01	1.0431e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0557e+01	1.0557e+01	4e-02	1e-02	1e-15	8e-04
5:	1.0567e+01	1.0567e+01	6e-03	2e-03	5e-14	1e-04
6:	1.0569e+01	1.0569e+01	7e-05	2e-05	2e-15	2e-06
7:	1.0569e+01	1.0569e+01	7e-07	2e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6178e+00	6.6219e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8860e+00	9.8872e+00	2e+00	5e-01	8e-16	4e-02
3:	1.0691e+01	1.0691e+01	4e-01	1e-01	1e-15	8e-03
4:	1.0832e+01	1.0833e+01	9e-02	3e-02	5e-15	2e-03
5:	1.0879e+01	1.0879e+01	8e-03	3e-03	1e-14	2e-04
6:	1.0883e+01	1.0883e+01	1e-04	3e-05	2e-14	2e-06
7:	1.0883e+01	1.0883e+01	1e-06	3e-07	2e-14	2e-08
8:	1.0883e+01	1.0883e+01	1e-08	3e-09	2e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6208e+00	6.6253e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0309e+01	1.0311e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0859e+01	1.0859e+01	4e-01	1e-01	2e-15	1e-02
4:	1.1060e+01	1.1060e+01	5e-02	1e-02	1e-15	1e-03
5:	1.1077e+01	1.1077e+01	5e-03	2e-03	2e-14	1e-04
6:	1.1079e+01	1.1079e+01	6e-05	2e-05	9e-16	1e-06
7:	1.1079e+01	1.1079e+01	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7516e+00	7.7587e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2023e+01	1.2025e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2632e+01	1.2632e+01	2e-01	5e-02	2e-15	4e-03
4:	1.2702e+01	1.2702e+01	7e-03	2e-03	3e-15	2e-04
5:	1.2705e+01	1.2705e+01	7e-05	2e-05	2e-15	2e-06
6:	1.2705e+01	1.2705e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1497e+00	9.1587e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1519e+01	1.1523e+01	2e+00	6e-01	2e-15	5e-02
3:	1.2486e+01	1.2487e+01	6e-01	2e-01	9e-16	1e-02
4:	1.2699e+01	1.2700e+01	9e-02	3e-02	3e-15	2e-03
5:	1.2740e+01	1.2740e+01	5e-03	2e-03	1e-15	1e-04
6:	1.2742e+01	1.2742e+01	5e-05	2e-05	6e-16	1e-06
7:	1.2742e+01	1.2742e+01	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	9.4828e+00	9.4883e+00	6e+00	2e+00	4e-16	1e-01
2:	1.3036e+01	1.3037e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3522e+01	1.3522e+01	8e-02	2e-02	2e-15	2e-03
4:	1.3558e+01	1.3558e+01	8e-04	2e-04	7e-16	2e-05
5:	1.3558e+01	1.3558e+01	8e-06	2e-06	6e-16	2e-07
6:	1.3558e+01	1.3558e+01	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.1821e+00	8.1909e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1559e+01	1.1562e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2451e+01	1.2452e+01	5e-01	2e-01	9e-16	1e-02
4:	1.2699e+01	1.2699e+01	2e-02	6e-03	7e-16	4e-04
5:	1.2707e+01	1.2707e+01	2e-04	6e-05	1e-15	4e-06
6:	1.2707e+01	1.2707e+01	2e-06	6e-07	8e-16	4e-08
7:	1.2707e+01	1.2707e+01	2e-08	6e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7684e+00	6.7779e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0415e+01	1.0419e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1049e+01	1.1050e+01	4e-01	1e-01	8e-16	9e-03
4:	1.1155e+01	1.1155e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1206e+01	1.1206e+01	3e-03	9e-04	9e-16	7e-05
6:	1.1207e+01	1.1207e+01	3e-05	9e-06	2e-15	7e-07
7:	1.1207e+01	1.1207e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8365e+00	4.8553e+00	8e+00	2e+00	4e-16	2e-01
2:	8.1170e+00	8.1216e+00	1e+00	4e-01	1e-15	3e-02
3:	8.5492e+00	8.5502e+00	3e-01	9e-02	8e-16	6e-03
4:	8.6258e+00	8.6261e+00	7e-02	2e-02	2e-15	2e-03
5:	8.6557e+00	8.6557e+00	1e-03	5e-04	9e-16	3e-05
6:	8.6563e+00	8.6563e+00	1e-05	5e-06	9e-16	3e-07
7:	8.6563e+00	8.6563e+00	1e-07	5e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4681e+00	8.4736e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2171e+01	1.2173e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2700e+01	1.2701e+01	2e-01	6e-02	2e-15	5e-03
4:	1.2783e+01	1.2784e+01	2e-02	7e-03	2e-15	5e-04
5:	1.2795e+01	1.2795e+01	2e-04	7e-05	7e-16	6e-06
6:	1.2795e+01	1.2795e+01	2e-06	7e-07	9e-16	6e-08
7:	1.2795e+01	1.2795e+01	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2304e+00	8.2364e+00	8e+00	2e+00	2e-16	2e-01
2:	1.2584e+01	1.2586e+01	1e+00	3e-01	3e-15	2e-02
3:	1.2998e+01	1.2998e+01	2e-01	6e-02	2e-15	4e-03
4:	1.3054e+01	1.3054e+01	3e-02	9e-03	5e-15	7e-04
5:	1.3067e+01	1.3067e+01	4e-04	1e-04	6e-16	1e-05
6:	1.3068e+01	1.3068e+01	4e-06	1e-06	8e-16	1e-07
7:	1.3068e+01	1.3068e+01	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3607e+00	6.3659e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0232e+01	1.0233e+01	1e+00	5e-01	1e-15	3e-02
3:	1.0807e+01	1.0807e+01	4e-01	1e-01	8e-16	9e-03
4:	1.0960e+01	1.0960e+01	2e-02	7e-03	3e-15	5e-04
5:	1.0970e+01	1.0970e+01	2e-04	7e-05	6e-16	5e-06
6:	1.0970e+01	1.0970e+01	2e-06	7e-07	7e-16	5e-08
7:	1.0970e+01	1.0970e+01	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8972e+00	6.9027e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4575e+00	9.4597e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0139e+01	1.0139e+01	4e-01	1e-01	7e-16	9e-03
4:	1.0332e+01	1.0333e+01	7e-02	2e-02	5e-16	2e-03
5:	1.0354e+01	1.0354e+01	2e-02	7e-03	7e-15	5e-04
6:	1.0363e+01	1.0363e+01	1e-03	3e-04	1e-15	2e-05
7:	1.0364e+01	1.0364e+01	1e-05	3e-06	2e-15	2e-07
8:	1.0364e+01	1.0364e+01	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7874e+00	6.7985e+00	8e+00	3e+00	3e-16	2e-01
2:	9.6709e+00	9.6749e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0362e+01	1.0363e+01	5e-01	2e-01	9e-16	1e-02
4:	1.0567e+01	1.0568e+01	1e-01	3e-02	8e-16	2e-03
5:	1.0608e+01	1.0608e+01	1e-03	4e-04	8e-16	3e-05
6:	1.0608e+01	1.0608e+01	1e-05	4e-06	8e-16	3e-07
7:	1.0608e+01	1.0608e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1324e+00	5.1419e+00	8e+00	3e+00	3e-16	2e-01
2:	8.6793e+00	8.6824e+00	2e+00	6e-01	2e-15	4e-02
3:	9.4612e+00	9.4617e+00	3e-01	8e-02	2e-15	6e-03
4:	9.5835e+00	9.5836e+00	2e-02	6e-03	3e-15	4e-04
5:	9.5904e+00	9.5904e+00	3e-04	1e-04	3e-14	7e-06
6:	9.5906e+00	9.5906e+00	3e-06	1e-06	1e-14	7e-08

7: 9.5906e+00 9.5906e+00 3e-08 1e-08 7e-15 7e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8946e+00	6.9033e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0305e+01	1.0307e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0896e+01	1.0897e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1032e+01	1.1032e+01	6e-02	2e-02	2e-15	1e-03
5:	1.1058e+01	1.1058e+01	2e-03	7e-04	6e-15	5e-05
6:	1.1059e+01	1.1059e+01	2e-05	7e-06	1e-15	5e-07
7:	1.1059e+01	1.1059e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6903e+00	5.6975e+00	8e+00	2e+00	3e-16	2e-01
2:	8.2782e+00	8.2807e+00	2e+00	6e-01	2e-15	5e-02
3:	9.3485e+00	9.3492e+00	4e-01	1e-01	1e-15	8e-03
4:	9.4854e+00	9.4855e+00	8e-02	3e-02	1e-15	2e-03
5:	9.5160e+00	9.5161e+00	2e-02	7e-03	5e-15	5e-04
6:	9.5256e+00	9.5256e+00	3e-03	1e-03	5e-15	7e-05
7:	9.5269e+00	9.5269e+00	5e-05	1e-05	2e-14	1e-06
8:	9.5269e+00	9.5269e+00	5e-07	1e-07	1e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9680e+00	8.9772e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2373e+01	1.2376e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3049e+01	1.3051e+01	7e-01	2e-01	2e-15	2e-02
4:	1.3369e+01	1.3369e+01	1e-01	3e-02	3e-15	2e-03
5:	1.3412e+01	1.3412e+01	4e-03	1e-03	3e-15	1e-04
6:	1.3414e+01	1.3414e+01	4e-05	1e-05	1e-15	1e-06
7:	1.3414e+01	1.3414e+01	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3092e+00	7.3169e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1370e+01	1.1372e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2091e+01	1.2091e+01	4e-01	1e-01	3e-15	8e-03
4:	1.2271e+01	1.2271e+01	3e-02	1e-02	3e-15	7e-04
5:	1.2283e+01	1.2283e+01	3e-03	1e-03	3e-14	8e-05
6:	1.2285e+01	1.2285e+01	3e-05	1e-05	3e-15	8e-07
7:	1.2285e+01	1.2285e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8383e+00	8.8462e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2740e+01	1.2742e+01	2e+00	5e-01	4e-15	3e-02
3:	1.3313e+01	1.3314e+01	4e-01	1e-01	1e-15	9e-03

4:	1.3438e+01	1.3438e+01	9e-02	3e-02	3e-15	2e-03
5:	1.3476e+01	1.3476e+01	3e-03	8e-04	1e-15	6e-05
6:	1.3477e+01	1.3477e+01	3e-05	8e-06	1e-15	6e-07
7:	1.3477e+01	1.3477e+01	3e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0475e+00	8.0518e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1620e+01	1.1622e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2386e+01	1.2386e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2478e+01	1.2478e+01	2e-02	8e-03	3e-15	6e-04
5:	1.2487e+01	1.2487e+01	3e-03	1e-03	5e-14	7e-05
6:	1.2489e+01	1.2489e+01	3e-05	1e-05	3e-15	7e-07
7:	1.2489e+01	1.2489e+01	3e-07	1e-07	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0312e+00	6.0409e+00	8e+00	3e+00	2e-16	2e-01
2:	9.6329e+00	9.6359e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0569e+01	1.0570e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0678e+01	1.0678e+01	6e-02	2e-02	2e-15	1e-03
5:	1.0704e+01	1.0704e+01	6e-04	2e-04	6e-16	2e-05
6:	1.0704e+01	1.0704e+01	6e-06	2e-06	6e-16	2e-07
7:	1.0704e+01	1.0704e+01	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5758e+00	8.5784e+00	6e+00	2e+00	4e-16	2e-01
2:	1.2086e+01	1.2087e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2528e+01	1.2528e+01	2e-01	5e-02	3e-15	4e-03
4:	1.2596e+01	1.2596e+01	1e-02	3e-03	2e-15	3e-04
5:	1.2600e+01	1.2600e+01	1e-04	4e-05	6e-16	3e-06
6:	1.2600e+01	1.2600e+01	1e-06	4e-07	7e-16	3e-08
7:	1.2600e+01	1.2600e+01	1e-08	4e-09	4e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6539e+00	7.6671e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1370e+01	1.1375e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1932e+01	1.1933e+01	4e-01	1e-01	2e-15	8e-03
4:	1.2045e+01	1.2045e+01	8e-02	2e-02	2e-15	2e-03
5:	1.2082e+01	1.2082e+01	3e-03	1e-03	8e-16	8e-05
6:	1.2083e+01	1.2083e+01	3e-05	1e-05	3e-15	8e-07
7:	1.2083e+01	1.2083e+01	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4981e+00	6.5021e+00	7e+00	2e+00	2e-16	2e-01

2:	8.9376e+00	8.9392e+00	2e+00	6e-01	2e-15	5e-02
3:	9.6407e+00	9.6414e+00	7e-01	2e-01	2e-15	2e-02
4:	9.9277e+00	9.9278e+00	9e-02	3e-02	1e-15	2e-03
5:	9.9650e+00	9.9650e+00	1e-02	4e-03	3e-15	3e-04
6:	9.9700e+00	9.9700e+00	6e-03	2e-03	1e-15	1e-04
7:	9.9724e+00	9.9724e+00	2e-04	5e-05	2e-15	4e-06
8:	9.9724e+00	9.9724e+00	2e-06	5e-07	8e-16	4e-08
9:	9.9724e+00	9.9724e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8155e+00	7.8214e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1129e+01	1.1131e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1606e+01	1.1608e+01	9e-01	3e-01	8e-16	2e-02
4:	1.1769e+01	1.1770e+01	3e-01	1e-01	1e-15	9e-03
5:	1.1883e+01	1.1883e+01	7e-02	2e-02	5e-16	2e-03
6:	1.1907e+01	1.1907e+01	5e-03	2e-03	1e-15	1e-04
7:	1.1909e+01	1.1909e+01	8e-05	3e-05	6e-16	2e-06
8:	1.1909e+01	1.1909e+01	8e-07	3e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2510e+00	8.2605e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1965e+01	1.1968e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2401e+01	1.2402e+01	3e-01	8e-02	2e-15	6e-03
4:	1.2524e+01	1.2524e+01	7e-02	2e-02	1e-15	2e-03
5:	1.2556e+01	1.2556e+01	4e-03	1e-03	7e-15	9e-05
6:	1.2558e+01	1.2558e+01	4e-05	1e-05	1e-15	9e-07
7:	1.2558e+01	1.2558e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7991e+00	7.8121e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2344e+01	1.2348e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2889e+01	1.2890e+01	3e-01	9e-02	2e-15	7e-03
4:	1.3011e+01	1.3011e+01	2e-02	7e-03	4e-15	5e-04
5:	1.3021e+01	1.3021e+01	3e-04	1e-04	1e-15	7e-06
6:	1.3021e+01	1.3021e+01	3e-06	1e-06	1e-15	7e-08
7:	1.3021e+01	1.3021e+01	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6990e+00	8.7061e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2646e+01	1.2648e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3530e+01	1.3531e+01	3e-01	1e-01	3e-15	8e-03
4:	1.3664e+01	1.3665e+01	4e-02	1e-02	4e-15	8e-04
5:	1.3683e+01	1.3683e+01	4e-04	1e-04	9e-16	8e-06
6:	1.3683e+01	1.3683e+01	4e-06	1e-06	1e-15	8e-08



7: 1.3683e+01 1.3683e+01 4e-08 1e-08 1e-15 8e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9577e+00	6.9680e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1178e+01	1.1182e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1657e+01	1.1659e+01	5e-01	2e-01	2e-15	1e-02
4:	1.1844e+01	1.1844e+01	2e-01	5e-02	8e-16	4e-03
5:	1.1906e+01	1.1906e+01	5e-03	1e-03	1e-15	1e-04
6:	1.1908e+01	1.1908e+01	5e-05	1e-05	1e-15	1e-06
7:	1.1908e+01	1.1908e+01	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6665e+00	6.6795e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0793e+01	1.0798e+01	2e+00	8e-01	1e-15	5e-02
3:	1.1667e+01	1.1669e+01	8e-01	2e-01	1e-15	2e-02
4:	1.1894e+01	1.1895e+01	2e-01	5e-02	4e-15	4e-03
5:	1.1956e+01	1.1956e+01	4e-02	1e-02	1e-15	9e-04
6:	1.1967e+01	1.1967e+01	8e-03	3e-03	4e-15	2e-04
7:	1.1971e+01	1.1971e+01	9e-05	3e-05	8e-16	2e-06
8:	1.1971e+01	1.1971e+01	9e-07	3e-07	1e-15	2e-08
9:	1.1971e+01	1.1971e+01	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2427e+00	8.2496e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1476e+01	1.1479e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2221e+01	1.2222e+01	5e-01	1e-01	1e-15	1e-02
4:	1.2431e+01	1.2431e+01	1e-01	3e-02	1e-15	3e-03
5:	1.2461e+01	1.2461e+01	4e-02	1e-02	4e-15	9e-04
6:	1.2472e+01	1.2472e+01	7e-03	2e-03	2e-14	2e-04
7:	1.2474e+01	1.2474e+01	2e-03	7e-04	7e-15	6e-05
8:	1.2475e+01	1.2475e+01	2e-05	7e-06	3e-15	6e-07
9:	1.2475e+01	1.2475e+01	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3626e+00	7.3703e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1411e+01	1.1413e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1968e+01	1.1969e+01	3e-01	9e-02	2e-15	7e-03
4:	1.2065e+01	1.2065e+01	7e-02	2e-02	1e-14	2e-03
5:	1.2078e+01	1.2078e+01	2e-02	7e-03	2e-14	5e-04
6:	1.2087e+01	1.2087e+01	3e-03	1e-03	3e-15	8e-05
7:	1.2088e+01	1.2088e+01	3e-05	1e-05	8e-15	8e-07
8:	1.2088e+01	1.2088e+01	3e-07	1e-07	9e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2894e+00	8.3018e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1878e+01	1.1882e+01	2e+00	7e-01	3e-15	5e-02
3:	1.2869e+01	1.2870e+01	3e-01	1e-01	1e-15	8e-03
4:	1.2959e+01	1.2960e+01	1e-01	3e-02	8e-15	2e-03
5:	1.3002e+01	1.3002e+01	2e-02	5e-03	2e-15	4e-04
6:	1.3007e+01	1.3007e+01	2e-04	6e-05	3e-15	4e-06
7:	1.3007e+01	1.3007e+01	2e-06	6e-07	3e-15	4e-08
8:	1.3007e+01	1.3007e+01	2e-08	6e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8988e+00	5.9008e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7792e+00	8.7799e+00	2e+00	6e-01	3e-15	5e-02
3:	9.5055e+00	9.5059e+00	8e-01	2e-01	2e-15	2e-02
4:	9.7660e+00	9.7661e+00	2e-01	6e-02	2e-15	4e-03
5:	9.8555e+00	9.8555e+00	8e-03	3e-03	6e-16	2e-04
6:	9.8590e+00	9.8590e+00	8e-05	3e-05	8e-16	2e-06
7:	9.8590e+00	9.8590e+00	8e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9857e+00	7.9954e+00	7e+00	2e+00	3e-16	1e-01
2:	1.1050e+01	1.1052e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1537e+01	1.1538e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1754e+01	1.1754e+01	5e-02	2e-02	8e-16	1e-03
5:	1.1776e+01	1.1776e+01	4e-03	1e-03	8e-15	9e-05
6:	1.1778e+01	1.1778e+01	2e-04	6e-05	4e-14	4e-06
7:	1.1778e+01	1.1778e+01	2e-06	6e-07	8e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8185e+00	7.8263e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1634e+01	1.1635e+01	1e+00	3e-01	2e-15	3e-02
3:	1.1835e+01	1.1836e+01	5e-01	2e-01	2e-15	1e-02
4:	1.2066e+01	1.2066e+01	9e-02	3e-02	1e-15	2e-03
5:	1.2102e+01	1.2102e+01	3e-03	1e-03	4e-15	8e-05
6:	1.2104e+01	1.2104e+01	3e-05	1e-05	9e-16	8e-07
7:	1.2104e+01	1.2104e+01	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2813e+00	6.2995e+00	8e+00	3e+00	3e-16	2e-01
2:	9.6421e+00	9.6473e+00	2e+00	5e-01	2e-15	3e-02
3:	1.0125e+01	1.0127e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0303e+01	1.0304e+01	8e-02	3e-02	6e-16	2e-03
5:	1.0333e+01	1.0333e+01	4e-03	1e-03	1e-15	9e-05
6:	1.0335e+01	1.0335e+01	4e-05	1e-05	4e-16	1e-06

7: 1.0335e+01 1.0335e+01 4e-07 1e-07 8e-16 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8640e+00	6.8761e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0605e+01	1.0610e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1315e+01	1.1317e+01	7e-01	2e-01	1e-15	2e-02
4:	1.1614e+01	1.1614e+01	1e-01	3e-02	8e-16	3e-03
5:	1.1641e+01	1.1641e+01	4e-02	1e-02	8e-15	8e-04
6:	1.1657e+01	1.1657e+01	5e-04	2e-04	1e-15	1e-05
7:	1.1657e+01	1.1657e+01	5e-06	2e-06	3e-15	1e-07
8:	1.1657e+01	1.1657e+01	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4091e+00	7.4175e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0801e+01	1.0804e+01	2e+00	7e-01	8e-16	5e-02
3:	1.1601e+01	1.1602e+01	5e-01	2e-01	9e-16	1e-02
4:	1.1762e+01	1.1762e+01	1e-01	4e-02	3e-15	3e-03
5:	1.1823e+01	1.1823e+01	3e-03	9e-04	6e-16	7e-05
6:	1.1824e+01	1.1824e+01	3e-05	9e-06	6e-16	7e-07
7:	1.1824e+01	1.1824e+01	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4455e+00	7.4540e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1491e+01	1.1494e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2280e+01	1.2281e+01	5e-01	2e-01	2e-15	1e-02
4:	1.2475e+01	1.2476e+01	1e-01	4e-02	2e-15	3e-03
5:	1.2504e+01	1.2504e+01	4e-02	1e-02	8e-15	8e-04
6:	1.2518e+01	1.2518e+01	1e-03	5e-04	3e-15	4e-05
7:	1.2519e+01	1.2519e+01	1e-05	5e-06	5e-15	4e-07
8:	1.2519e+01	1.2519e+01	1e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.1919e+00	9.1969e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2847e+01	1.2849e+01	1e+00	5e-01	1e-15	3e-02
3:	1.3480e+01	1.3480e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3655e+01	1.3655e+01	7e-02	2e-02	2e-15	2e-03
5:	1.3687e+01	1.3687e+01	3e-03	1e-03	3e-15	7e-05
6:	1.3688e+01	1.3688e+01	3e-05	1e-05	1e-15	7e-07
7:	1.3688e+01	1.3688e+01	3e-07	1e-07	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4815e+00	8.4940e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2345e+01	1.2350e+01	2e+00	7e-01	3e-15	5e-02

3:	1.3035e+01	1.3037e+01	5e-01	2e-01	1e-15	1e-02
4:	1.3289e+01	1.3289e+01	5e-02	1e-02	1e-15	1e-03
5:	1.3309e+01	1.3309e+01	5e-04	2e-04	8e-16	1e-05
6:	1.3309e+01	1.3309e+01	5e-06	2e-06	7e-16	1e-07
7:	1.3309e+01	1.3309e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.2683e+00	9.2744e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2154e+01	1.2156e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2902e+01	1.2903e+01	4e-01	1e-01	8e-16	9e-03
4:	1.3078e+01	1.3078e+01	4e-02	1e-02	3e-15	9e-04
5:	1.3094e+01	1.3094e+01	4e-04	1e-04	2e-15	1e-05
6:	1.3095e+01	1.3095e+01	4e-06	1e-06	3e-15	1e-07
7:	1.3095e+01	1.3095e+01	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1643e+00	6.1706e+00	8e+00	2e+00	3e-16	2e-01
2:	9.6297e+00	9.6315e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0228e+01	1.0228e+01	4e-01	1e-01	1e-15	8e-03
4:	1.0294e+01	1.0295e+01	1e-01	5e-02	5e-15	3e-03
5:	1.0338e+01	1.0338e+01	6e-02	2e-02	2e-15	1e-03
6:	1.0359e+01	1.0359e+01	5e-03	2e-03	2e-15	1e-04
7:	1.0361e+01	1.0361e+01	6e-05	2e-05	8e-16	1e-06
8:	1.0361e+01	1.0361e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3523e+00	9.3573e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3351e+01	1.3353e+01	2e+00	5e-01	3e-15	4e-02
3:	1.3953e+01	1.3953e+01	3e-01	8e-02	2e-15	6e-03
4:	1.4084e+01	1.4084e+01	8e-03	3e-03	2e-15	2e-04
5:	1.4089e+01	1.4089e+01	8e-05	3e-05	6e-16	2e-06
6:	1.4089e+01	1.4089e+01	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4304e+00	8.4365e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1411e+01	1.1414e+01	3e+00	9e-01	1e-15	6e-02
3:	1.2213e+01	1.2214e+01	6e-01	2e-01	1e-15	1e-02
4:	1.2430e+01	1.2431e+01	2e-01	5e-02	1e-15	4e-03
5:	1.2512e+01	1.2512e+01	1e-02	4e-03	1e-15	3e-04
6:	1.2518e+01	1.2518e+01	1e-04	5e-05	2e-15	3e-06
7:	1.2518e+01	1.2518e+01	1e-06	5e-07	2e-15	3e-08
8:	1.2518e+01	1.2518e+01	1e-08	5e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4696e+00	8.4804e+00	9e+00	3e+00	3e-16	2e-01
2:	1.2340e+01	1.2343e+01	2e+00	5e-01	1e-15	3e-02
3:	1.3035e+01	1.3036e+01	3e-01	1e-01	9e-16	7e-03
4:	1.3197e+01	1.3197e+01	3e-02	9e-03	5e-15	7e-04
5:	1.3212e+01	1.3212e+01	4e-04	1e-04	8e-15	8e-06
6:	1.3212e+01	1.3212e+01	4e-06	1e-06	6e-15	8e-08
7:	1.3212e+01	1.3212e+01	4e-08	1e-08	7e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7460e+00	6.7600e+00	9e+00	3e+00	2e-16	2e-01
2:	1.0241e+01	1.0245e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1053e+01	1.1054e+01	2e-01	7e-02	8e-16	5e-03
4:	1.1147e+01	1.1147e+01	4e-02	1e-02	2e-15	9e-04
5:	1.1165e+01	1.1165e+01	9e-04	3e-04	5e-15	2e-05
6:	1.1165e+01	1.1165e+01	9e-06	3e-06	3e-15	2e-07
7:	1.1165e+01	1.1165e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1479e+00	4.1518e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2112e+00	7.2124e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9258e+00	7.9262e+00	4e-01	1e-01	3e-15	8e-03
4:	8.0289e+00	8.0291e+00	1e-01	4e-02	6e-15	3e-03
5:	8.0948e+00	8.0948e+00	6e-03	2e-03	8e-16	2e-04
6:	8.0981e+00	8.0981e+00	6e-05	2e-05	9e-16	2e-06
7:	8.0981e+00	8.0981e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8401e+00	7.8510e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1785e+01	1.1788e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2416e+01	1.2417e+01	5e-01	2e-01	3e-15	1e-02
4:	1.2576e+01	1.2577e+01	1e-01	4e-02	3e-15	3e-03
5:	1.2625e+01	1.2625e+01	2e-02	7e-03	1e-15	5e-04
6:	1.2633e+01	1.2633e+01	3e-03	9e-04	1e-14	7e-05
7:	1.2635e+01	1.2635e+01	3e-05	1e-05	1e-15	7e-07
8:	1.2635e+01	1.2635e+01	3e-07	1e-07	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8424e+00	6.8529e+00	8e+00	2e+00	3e-16	2e-01
2:	9.7968e+00	9.8000e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0382e+01	1.0383e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0588e+01	1.0588e+01	7e-02	2e-02	6e-16	2e-03
5:	1.0611e+01	1.0611e+01	8e-03	3e-03	2e-15	2e-04
6:	1.0614e+01	1.0614e+01	9e-05	3e-05	6e-16	2e-06

7: 1.0614e+01 1.0614e+01 9e-07 3e-07 7e-16 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.7400e+00	8.7475e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2060e+01	1.2063e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2911e+01	1.2911e+01	3e-01	1e-01	3e-15	7e-03
4:	1.3085e+01	1.3085e+01	3e-02	8e-03	1e-15	6e-04
5:	1.3099e+01	1.3099e+01	2e-03	5e-04	2e-14	4e-05
6:	1.3099e+01	1.3099e+01	2e-05	5e-06	5e-15	4e-07
7:	1.3099e+01	1.3099e+01	2e-07	5e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4573e+00	7.4657e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1711e+01	1.1713e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2217e+01	1.2218e+01	3e-01	8e-02	2e-15	6e-03
4:	1.2318e+01	1.2318e+01	4e-02	1e-02	8e-15	8e-04
5:	1.2331e+01	1.2331e+01	7e-03	2e-03	3e-15	2e-04
6:	1.2334e+01	1.2334e+01	6e-04	2e-04	1e-15	2e-05
7:	1.2334e+01	1.2334e+01	6e-06	2e-06	2e-15	2e-07
8:	1.2334e+01	1.2334e+01	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2859e+00	8.2938e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2048e+01	1.2050e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2610e+01	1.2610e+01	3e-01	8e-02	1e-15	6e-03
4:	1.2741e+01	1.2741e+01	3e-02	1e-02	2e-15	8e-04
5:	1.2755e+01	1.2755e+01	1e-03	3e-04	1e-14	3e-05
6:	1.2755e+01	1.2755e+01	1e-05	3e-06	5e-15	3e-07
7:	1.2755e+01	1.2755e+01	1e-07	3e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6861e+00	6.6903e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6738e+00	9.6750e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0534e+01	1.0534e+01	4e-01	1e-01	4e-15	9e-03
4:	1.0687e+01	1.0687e+01	7e-02	2e-02	4e-15	2e-03
5:	1.0718e+01	1.0718e+01	1e-02	4e-03	1e-14	3e-04
6:	1.0723e+01	1.0723e+01	3e-04	9e-05	2e-14	7e-06
7:	1.0723e+01	1.0723e+01	3e-06	9e-07	1e-14	7e-08
8:	1.0723e+01	1.0723e+01	3e-08	9e-09	1e-14	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.9249e+00	8.9321e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2461e+01	1.2463e+01	1e+00	4e-01	2e-15	3e-02

3:	1.3095e+01	1.3095e+01	2e-01	5e-02	3e-15	4e-03
4:	1.3174e+01	1.3174e+01	1e-02	4e-03	7e-15	3e-04
5:	1.3181e+01	1.3181e+01	1e-04	4e-05	1e-15	3e-06
6:	1.3181e+01	1.3181e+01	1e-06	4e-07	1e-15	3e-08
7:	1.3181e+01	1.3181e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1080e+00	8.1157e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2130e+01	1.2132e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2907e+01	1.2907e+01	2e-01	8e-02	1e-15	6e-03
4:	1.2965e+01	1.2965e+01	7e-02	2e-02	1e-14	2e-03
5:	1.2999e+01	1.2999e+01	7e-03	2e-03	4e-15	2e-04
6:	1.3001e+01	1.3001e+01	7e-05	2e-05	4e-15	2e-06
7:	1.3001e+01	1.3001e+01	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5716e+00	6.5882e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0011e+01	1.0017e+01	2e+00	7e-01	1e-15	5e-02
3:	1.0888e+01	1.0889e+01	4e-01	1e-01	8e-16	8e-03
4:	1.1060e+01	1.1060e+01	6e-02	2e-02	1e-15	1e-03
5:	1.1084e+01	1.1084e+01	3e-03	8e-04	3e-15	6e-05
6:	1.1085e+01	1.1085e+01	3e-05	8e-06	2e-15	6e-07
7:	1.1085e+01	1.1085e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0851e+00	8.0946e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1246e+01	1.1250e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2048e+01	1.2048e+01	4e-01	1e-01	8e-16	9e-03
4:	1.2206e+01	1.2206e+01	5e-02	1e-02	3e-15	1e-03
5:	1.2229e+01	1.2229e+01	5e-04	2e-04	8e-16	1e-05
6:	1.2229e+01	1.2229e+01	5e-06	2e-06	8e-16	1e-07
7:	1.2229e+01	1.2229e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7922e+00	7.8037e+00	9e+00	3e+00	3e-16	2e-01
2:	1.1953e+01	1.1957e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2775e+01	1.2776e+01	4e-01	1e-01	1e-15	1e-02
4:	1.2982e+01	1.2982e+01	1e-01	3e-02	1e-15	2e-03
5:	1.3024e+01	1.3024e+01	7e-03	2e-03	3e-15	2e-04
6:	1.3027e+01	1.3027e+01	7e-05	2e-05	8e-16	2e-06
7:	1.3027e+01	1.3027e+01	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	4.9648e+00	4.9751e+00	8e+00	2e+00	3e-16	2e-01
2:	8.5711e+00	8.5734e+00	1e+00	3e-01	2e-15	2e-02
3:	9.0397e+00	9.0403e+00	2e-01	6e-02	9e-16	4e-03
4:	9.0987e+00	9.0987e+00	6e-03	2e-03	2e-15	1e-04
5:	9.1010e+00	9.1010e+00	6e-05	2e-05	8e-16	1e-06
6:	9.1010e+00	9.1010e+00	6e-07	2e-07	1e-15	1e-08
7:	9.1010e+00	9.1010e+00	6e-09	2e-09	1e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2666e+00	6.2819e+00	8e+00	2e+00	3e-16	2e-01
2:	9.5340e+00	9.5403e+00	2e+00	8e-01	2e-15	5e-02
3:	1.0463e+01	1.0464e+01	4e-01	1e-01	8e-16	9e-03
4:	1.0657e+01	1.0657e+01	3e-02	1e-02	1e-15	7e-04
5:	1.0671e+01	1.0671e+01	4e-04	1e-04	4e-15	9e-06
6:	1.0671e+01	1.0671e+01	4e-06	1e-06	3e-15	9e-08
7:	1.0671e+01	1.0671e+01	4e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0945e+00	8.1018e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1077e+01	1.1080e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1815e+01	1.1816e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2046e+01	1.2047e+01	1e-01	4e-02	1e-15	3e-03
5:	1.2086e+01	1.2086e+01	2e-02	6e-03	4e-15	5e-04
6:	1.2094e+01	1.2094e+01	1e-03	4e-04	5e-16	3e-05
7:	1.2095e+01	1.2095e+01	1e-05	4e-06	2e-15	3e-07
8:	1.2095e+01	1.2095e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3591e+00	5.3641e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2899e+00	8.2922e+00	2e+00	7e-01	8e-16	5e-02
3:	9.0855e+00	9.0859e+00	3e-01	1e-01	1e-15	8e-03
4:	9.2110e+00	9.2111e+00	1e-01	3e-02	1e-15	2e-03
5:	9.2451e+00	9.2452e+00	2e-02	6e-03	6e-15	5e-04
6:	9.2538e+00	9.2538e+00	2e-04	6e-05	6e-16	5e-06
7:	9.2539e+00	9.2539e+00	2e-06	6e-07	7e-16	5e-08
8:	9.2539e+00	9.2539e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1375e+00	8.1417e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1299e+01	1.1300e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2019e+01	1.2019e+01	5e-01	1e-01	1e-15	1e-02
4:	1.2268e+01	1.2268e+01	5e-02	1e-02	8e-16	1e-03
5:	1.2287e+01	1.2287e+01	5e-04	2e-04	2e-15	1e-05
6:	1.2288e+01	1.2288e+01	5e-06	2e-06	2e-15	1e-07



7: 1.2288e+01 1.2288e+01 5e-08 2e-08 1e-15 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0469e+01	1.0473e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3846e+01	1.3847e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4219e+01	1.4219e+01	4e-01	1e-01	3e-15	8e-03
4:	1.4387e+01	1.4387e+01	1e-01	3e-02	1e-15	2e-03
5:	1.4401e+01	1.4402e+01	6e-02	2e-02	9e-15	1e-03
6:	1.4428e+01	1.4428e+01	1e-03	4e-04	1e-15	3e-05
7:	1.4428e+01	1.4428e+01	1e-05	4e-06	2e-15	3e-07
8:	1.4428e+01	1.4428e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6742e+00	7.6855e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0478e+01	1.0482e+01	2e+00	6e-01	1e-15	4e-02
3:	1.0981e+01	1.0982e+01	6e-01	2e-01	8e-16	1e-02
4:	1.1193e+01	1.1194e+01	2e-01	6e-02	2e-15	4e-03
5:	1.1258e+01	1.1258e+01	4e-02	1e-02	1e-15	1e-03
6:	1.1272e+01	1.1272e+01	4e-03	1e-03	5e-15	1e-04
7:	1.1273e+01	1.1273e+01	4e-05	1e-05	2e-15	1e-06
8:	1.1273e+01	1.1273e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0947e+00	4.1000e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0782e+00	7.0799e+00	2e+00	6e-01	1e-15	4e-02
3:	7.7793e+00	7.7798e+00	4e-01	1e-01	1e-15	1e-02
4:	7.9889e+00	7.9890e+00	7e-02	2e-02	9e-16	2e-03
5:	8.0147e+00	8.0148e+00	9e-03	3e-03	8e-15	2e-04
6:	8.0192e+00	8.0192e+00	2e-04	5e-05	6e-15	4e-06
7:	8.0192e+00	8.0192e+00	2e-06	5e-07	5e-15	4e-08
8:	8.0192e+00	8.0192e+00	2e-08	5e-09	8e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3608e+00	7.3638e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7749e+00	9.7760e+00	2e+00	6e-01	1e-15	5e-02
3:	1.0383e+01	1.0384e+01	8e-01	2e-01	1e-15	2e-02
4:	1.0625e+01	1.0625e+01	2e-01	7e-02	2e-15	5e-03
5:	1.0699e+01	1.0699e+01	4e-02	1e-02	1e-15	1e-03
6:	1.0715e+01	1.0715e+01	7e-04	2e-04	1e-15	2e-05
7:	1.0715e+01	1.0715e+01	7e-06	2e-06	1e-15	2e-07
8:	1.0715e+01	1.0715e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	9.5251e+00	9.5309e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3354e+01	1.3356e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3950e+01	1.3951e+01	5e-01	2e-01	2e-15	1e-02
4:	1.4095e+01	1.4095e+01	1e-01	4e-02	2e-15	3e-03
5:	1.4152e+01	1.4153e+01	3e-02	9e-03	8e-16	7e-04
6:	1.4161e+01	1.4161e+01	5e-03	2e-03	5e-15	1e-04
7:	1.4163e+01	1.4163e+01	5e-05	2e-05	2e-15	1e-06
8:	1.4163e+01	1.4163e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7104e+00	6.7190e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0219e+01	1.0222e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0777e+01	1.0778e+01	2e-01	7e-02	2e-15	5e-03
4:	1.0864e+01	1.0864e+01	5e-02	2e-02	4e-15	1e-03
5:	1.0888e+01	1.0888e+01	6e-03	2e-03	1e-14	1e-04
6:	1.0891e+01	1.0891e+01	6e-05	2e-05	2e-15	1e-06
7:	1.0891e+01	1.0891e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5591e+00	7.5761e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0685e+01	1.0691e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1639e+01	1.1640e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1764e+01	1.1764e+01	5e-02	2e-02	2e-15	1e-03
5:	1.1779e+01	1.1779e+01	6e-03	2e-03	2e-14	1e-04
6:	1.1782e+01	1.1782e+01	5e-04	2e-04	2e-15	1e-05
7:	1.1782e+01	1.1782e+01	5e-06	2e-06	3e-15	1e-07
8:	1.1782e+01	1.1782e+01	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3234e+00	7.3329e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0757e+01	1.0760e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1616e+01	1.1617e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1746e+01	1.1746e+01	9e-02	3e-02	2e-15	2e-03
5:	1.1785e+01	1.1785e+01	3e-03	1e-03	2e-15	8e-05
6:	1.1786e+01	1.1786e+01	3e-05	1e-05	2e-15	8e-07
7:	1.1786e+01	1.1786e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8960e+00	7.9038e+00	8e+00	3e+00	4e-16	2e-01
2:	1.1906e+01	1.1908e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2421e+01	1.2421e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2526e+01	1.2526e+01	5e-02	1e-02	7e-16	1e-03
5:	1.2545e+01	1.2545e+01	5e-04	2e-04	5e-16	1e-05
6:	1.2546e+01	1.2546e+01	5e-06	2e-06	7e-16	1e-07

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7: 1.2546e+01 1.2546e+01 5e-08 2e-08 6e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.1355e+00 7.1385e+00 7e+00 2e+00 3e-16 2e-01
2: 1.0023e+01 1.0024e+01 2e+00 6e-01 1e-15 4e-02
3: 1.1015e+01 1.1015e+01 3e-01 9e-02 1e-15 7e-03
4: 1.1144e+01 1.1144e+01 3e-02 9e-03 1e-15 7e-04
5: 1.1156e+01 1.1156e+01 3e-04 1e-04 4e-15 8e-06
6: 1.1156e+01 1.1156e+01 3e-06 1e-06 2e-15 8e-08
7: 1.1156e+01 1.1156e+01 3e-08 1e-08 2e-15 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.3510e-01 7.3279e-01 5e+00 2e+00 2e-16 1e-01
2: 9.9729e-01 9.9722e-01 8e-02 3e-02 1e-15 2e-03
3: 9.9997e-01 9.9997e-01 8e-04 3e-04 5e-16 2e-05
4: 1.0000e+00 1.0000e+00 8e-06 3e-06 4e-16 2e-07
5: 1.0000e+00 1.0000e+00 8e-08 3e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.5552e-01 7.5361e-01 5e+00 2e+00 2e-16 1e-01
2: 9.9758e-01 9.9754e-01 7e-02 2e-02 8e-16 2e-03
3: 9.9998e-01 9.9998e-01 7e-04 2e-04 3e-16 2e-05
4: 1.0000e+00 1.0000e+00 7e-06 2e-06 3e-16 2e-07
5: 1.0000e+00 1.0000e+00 7e-08 2e-08 3e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.1402e-01 7.1138e-01 5e+00 2e+00 3e-16 1e-01
2: 9.9687e-01 9.9675e-01 1e-01 3e-02 4e-16 3e-03
3: 9.9997e-01 9.9997e-01 1e-03 3e-04 2e-16 3e-05
4: 1.0000e+00 1.0000e+00 1e-05 3e-06 4e-16 3e-07
5: 1.0000e+00 1.0000e+00 1e-07 3e-08 3e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.0114e-01 8.0039e-01 4e+00 1e+00 3e-16 1e-01
2: 9.9802e-01 9.9800e-01 5e-02 2e-02 4e-16 1e-03
3: 9.9998e-01 9.9998e-01 5e-04 2e-04 7e-16 1e-05
4: 1.0000e+00 1.0000e+00 5e-06 2e-06 5e-16 1e-07
5: 1.0000e+00 1.0000e+00 5e-08 2e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 3e+01 1e+01 1e-16 1e+00
1: 6.8376e-01 6.8076e-01 5e+00 2e+00 2e-16 2e-01
2: 9.9646e-01 9.9625e-01 1e-01 4e-02 3e-15 4e-03

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3:	9.9996e-01	9.9996e-01	1e-03	4e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9575e-01	7.9485e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9796e-01	9.9795e-01	6e-02	2e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5576e-01	7.5385e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9758e-01	9.9754e-01	7e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7221e-01	7.7068e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9774e-01	9.9771e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1635e-01	7.1374e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9655e-01	9.9644e-01	1e-01	3e-02	4e-16	3e-03
3:	9.9997e-01	9.9996e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9910e-01	7.9829e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9800e-01	9.9798e-01	5e-02	2e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	2e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5913e-01	6.5594e-01	5e+00	2e+00	1e-16	2e-01
2:	9.9694e-01	9.9656e-01	2e-01	6e-02	2e-15	5e-03

3:	9.9997e-01	9.9997e-01	2e-03	6e-04	4e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	2e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.5646e-01	5.5321e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9709e-01	9.9553e-01	9e-01	3e-01	7e-16	3e-02
3:	9.9994e-01	9.9993e-01	1e-02	3e-03	6e-16	3e-04
4:	1.0000e+00	1.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	1.0000e+00	1.0000e+00	1e-06	3e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7388e-01	6.7079e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9671e-01	1e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3556e-01	7.3326e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9712e-01	9.9705e-01	9e-02	3e-02	3e-16	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8253e-01	7.8126e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9784e-01	9.9781e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3705e-01	7.3478e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9742e-01	9.9735e-01	9e-02	3e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8166e-01	7.8037e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9783e-01	9.9780e-01	6e-02	2e-02	1e-15	2e-03

3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9820e-01	6.9535e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9712e-01	9.9695e-01	1e-01	5e-02	2e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5899e-01	7.5715e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9761e-01	9.9757e-01	7e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8912e-01	6.8617e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9700e-01	9.9680e-01	1e-01	4e-02	2e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6250e-01	7.6074e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9765e-01	9.9761e-01	7e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3442e-01	6.3111e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9631e-01	3e-01	1e-01	3e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	3e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7473e-01	7.7326e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9776e-01	9.9773e-01	6e-02	2e-02	1e-15	2e-03

3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	7e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.1534e-01	6.1199e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9612e-01	5e-01	1e-01	3e-15	1e-02
3:	9.9997e-01	9.9996e-01	5e-03	1e-03	5e-16	1e-04
4:	1.0000e+00	1.0000e+00	5e-05	1e-05	5e-16	1e-06
5:	1.0000e+00	1.0000e+00	5e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1771e-01	7.1512e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9712e-01	9.9702e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8516e-01	7.8396e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9786e-01	9.9784e-01	6e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.9652e-01	6.9366e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9710e-01	9.9694e-01	1e-01	4e-02	6e-16	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	2e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1669e-01	5.1364e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9514e-01	1e+00	4e-01	2e-15	4e-02
3:	9.9962e-01	9.9955e-01	2e-02	5e-03	1e-15	5e-04
4:	1.0000e+00	1.0000e+00	2e-04	5e-05	5e-16	5e-06
5:	1.0000e+00	1.0000e+00	2e-06	5e-07	4e-16	5e-08
6:	1.0000e+00	1.0000e+00	2e-08	5e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9503e-01	7.9410e-01	4e+00	1e+00	2e-16	1e-01

2:	9.9796e-01	9.9794e-01	6e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6719e-01	7.6554e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9769e-01	9.9766e-01	7e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3571e-01	7.3342e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9741e-01	9.9733e-01	9e-02	3e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9050e-01	7.8945e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9791e-01	9.9789e-01	6e-02	2e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6732e-01	6.6418e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9696e-01	9.9664e-01	2e-01	6e-02	3e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4977e-01	7.4773e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9753e-01	9.9748e-01	7e-02	2e-02	5e-16	2e-03
3:	9.9998e-01	9.9997e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7676e-01	6.7370e-01	5e+00	2e+00	3e-16	2e-01



2:	9.9700e-01	9.9674e-01	2e-01	6e-02	6e-16	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	4e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8325e-01	7.8200e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9784e-01	9.9782e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4120e-01	7.3900e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9744e-01	9.9738e-01	8e-02	2e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.7888e-01	5.7556e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9706e-01	9.9576e-01	7e-01	2e-01	1e-15	2e-02
3:	9.9997e-01	9.9995e-01	7e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	3e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6823e-01	6.6510e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9697e-01	9.9665e-01	2e-01	7e-02	3e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	7e-04	4e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	2e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0032e-01	6.9750e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9677e-01	9.9662e-01	1e-01	4e-02	4e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.9401e-01	5.9065e-01	5e+00	2e+00	2e-16	2e-01

2:	9.9697e-01	9.9591e-01	7e-01	2e-01	5e-15	2e-02
3:	9.9996e-01	9.9995e-01	7e-03	2e-03	9e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	6e-16	2e-08
6:	1.0000e+00	1.0000e+00	7e-09	2e-09	3e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7272e-01	6.6962e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9670e-01	2e-01	6e-02	6e-16	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0550e-01	7.0274e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9615e-01	9.9602e-01	1e-01	3e-02	4e-15	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7338e-01	6.7028e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9670e-01	1e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	4e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	2e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6306e-01	7.6132e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9765e-01	9.9761e-01	7e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6159e-01	7.5981e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9764e-01	9.9760e-01	7e-02	2e-02	5e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.1709e-01	7.1449e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9674e-01	9.9664e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	5.1681e-01	5.1378e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9708e-01	9.9514e-01	1e+00	4e-01	8e-16	4e-02
3:	9.9980e-01	9.9975e-01	1e-02	5e-03	1e-15	4e-04
4:	1.0000e+00	1.0000e+00	1e-04	5e-05	8e-16	4e-06
5:	1.0000e+00	1.0000e+00	1e-06	5e-07	6e-16	4e-08
6:	1.0000e+00	1.0000e+00	1e-08	5e-09	3e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7344e-01	7.7194e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9775e-01	9.9772e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	1e-15	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0817e-01	7.0545e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9607e-01	9.9594e-01	1e-01	4e-02	3e-15	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4865e+00	1.4845e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9948e+00	1.9948e+00	9e-02	3e-02	3e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2600e+00	1.2568e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9890e+00	1.9883e+00	5e-01	1e-01	4e-15	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	1e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4918e+00	1.4904e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9941e+00	1.9940e+00	1e-01	3e-02	7e-16	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	6e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2567e+00	1.2540e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9666e+00	1.9660e+00	8e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9996e+00	8e-03	3e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	6e-16	2e-08
6:	2.0000e+00	2.0000e+00	8e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3611e+00	1.3585e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9923e+00	1.9921e+00	2e-01	8e-02	4e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	8e-04	4e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	3e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2931e+00	1.2899e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9876e+00	1.9871e+00	5e-01	2e-01	2e-15	2e-02
3:	1.9999e+00	1.9999e+00	5e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6071e+00	1.6065e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9961e+00	1.9960e+00	5e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	4e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4314e+00	1.4301e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9920e+00	1.9919e+00	2e-01	6e-02	2e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	3e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5547e+00	1.5534e+00	5e+00	1e+00	2e-16	1e-01
2:	1.9953e+00	1.9953e+00	7e-02	2e-02	9e-16	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	7e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3636e+00	1.3611e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9910e+00	1.9907e+00	3e-01	1e-01	3e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	5e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	3e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3174e+00	1.3149e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9923e+00	1.9920e+00	4e-01	1e-01	5e-16	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08
6:	2.0000e+00	2.0000e+00	4e-09	1e-09	4e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4720e+00	1.4702e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9943e+00	1.9942e+00	1e-01	4e-02	1e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3413e+00	1.3413e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9646e+00	1.9646e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	8e-03	3e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2230e+00	1.2196e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9912e+00	1.9904e+00	7e-01	2e-01	3e-15	2e-02
3:	1.9999e+00	1.9999e+00	7e-03	2e-03	1e-15	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2418e+00	1.2396e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9736e+00	1.9730e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	8e-03	3e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.1007e-01	9.0673e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8729e+00	1.8703e+00	2e+00	7e-01	1e-15	7e-02
3:	1.9680e+00	1.9667e+00	3e-01	8e-02	9e-16	6e-03
4:	1.9997e+00	1.9997e+00	3e-03	9e-04	4e-16	7e-05
5:	2.0000e+00	2.0000e+00	3e-05	9e-06	2e-16	7e-07
6:	2.0000e+00	2.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4938e+00	1.4924e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9945e+00	1.9945e+00	1e-01	3e-02	1e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4413e+00	1.4395e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9938e+00	1.9937e+00	1e-01	5e-02	8e-16	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3149e+00	1.3125e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9933e+00	1.9930e+00	3e-01	1e-01	3e-15	9e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	6e-16	9e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3377e+00	1.3357e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9581e+00	1.9577e+00	8e-01	2e-01	3e-15	2e-02
3:	1.9996e+00	1.9996e+00	8e-03	3e-03	5e-16	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	1e-15	2e-06

5: 2.0000e+00 2.0000e+00 8e-07 3e-07 1e-15 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1806e+00	1.1776e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9868e+00	1.9858e+00	9e-01	3e-01	2e-15	2e-02
3:	1.9998e+00	1.9998e+00	9e-03	3e-03	6e-16	2e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3404e+00	1.3387e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9717e+00	1.9714e+00	6e-01	2e-01	1e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	9e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	4e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4171e+00	1.4154e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9931e+00	1.9930e+00	2e-01	6e-02	3e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	7e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4735e+00	1.4714e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9945e+00	1.9944e+00	1e-01	3e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1017e+00	1.0983e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9663e+00	1.9647e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9991e+00	1.9990e+00	2e-02	5e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	9e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	1e-15	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	3e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4295e+00	1.4280e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9811e+00	1.9810e+00	3e-01	1e-01	1e-15	9e-03
3:	1.9998e+00	1.9998e+00	3e-03	1e-03	9e-16	9e-05

4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6084e+00	1.6080e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9960e+00	1.9960e+00	5e-02	2e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	8e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4257e+00	1.4239e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9939e+00	1.9938e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	9.3431e-01	9.3104e-01	5e+00	2e+00	2e-16	2e-01
2:	1.8957e+00	1.8931e+00	2e+00	6e-01	2e-15	6e-02
3:	1.9858e+00	1.9851e+00	9e-02	3e-02	2e-15	2e-03
4:	1.9999e+00	1.9999e+00	9e-04	3e-04	3e-16	2e-05
5:	2.0000e+00	2.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	2.0000e+00	2.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3448e+00	1.3441e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9625e+00	1.9624e+00	8e-01	3e-01	2e-15	2e-02
3:	1.9996e+00	1.9996e+00	8e-03	3e-03	5e-16	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4217e+00	1.4191e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9940e+00	1.9939e+00	2e-01	5e-02	5e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1320e+00	1.1291e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9651e+00	1.9638e+00	1e+00	4e-01	3e-15	3e-02



3:	1.9995e+00	1.9995e+00	1e-02	4e-03	7e-16	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	6e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1643e+00	1.1616e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9526e+00	1.9515e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9993e+00	1.9993e+00	1e-02	5e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	5e-05	8e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	5e-07	6e-16	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	5e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5163e+00	1.5157e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9952e+00	1.9951e+00	9e-02	3e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	9e-04	3e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5905e+00	1.5899e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9959e+00	1.9959e+00	6e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	8e-16	1e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4566e+00	1.4563e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9904e+00	1.9904e+00	2e-01	6e-02	1e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	2e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2319e+00	1.2287e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9885e+00	1.9877e+00	5e-01	2e-01	2e-15	2e-02
3:	1.9999e+00	1.9999e+00	6e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4662e+00	1.4661e+00	6e+00	2e+00	2e-16	1e-01

2:	1.9915e+00	1.9915e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	2e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0899e+00	1.0866e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9681e+00	1.9665e+00	1e+00	4e-01	2e-15	4e-02
3:	1.9990e+00	1.9990e+00	2e-02	5e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	6e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	1e-15	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6255e+00	1.6253e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9962e+00	1.9962e+00	5e-02	1e-02	7e-16	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	1e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	1e-06	7e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2767e+00	1.2735e+00	5e+00	2e+00	3e-16	2e-01
2:	1.9896e+00	1.9890e+00	5e-01	2e-01	3e-15	2e-02
3:	1.9999e+00	1.9999e+00	5e-03	2e-03	4e-16	2e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	1e-15	2e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5205e+00	1.5193e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9950e+00	1.9949e+00	9e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4513e+00	1.4508e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9913e+00	1.9912e+00	2e-01	6e-02	7e-16	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.3622e+00	1.3610e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9823e+00	1.9821e+00	4e-01	1e-01	4e-16	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2019e+00	1.1992e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9671e+00	1.9662e+00	1e+00	3e-01	1e-15	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	3e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5636e+00	1.5632e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9954e+00	1.9954e+00	7e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1410e+00	1.1377e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9920e+00	1.9907e+00	9e-01	3e-01	3e-15	3e-02
3:	1.9998e+00	1.9998e+00	9e-03	3e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	9e-05	3e-05	1e-15	3e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	1e-15	3e-08
6:	2.0000e+00	2.0000e+00	9e-09	3e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3964e+00	1.3960e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9903e+00	1.9903e+00	2e-01	8e-02	1e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	8e-04	3e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	8e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5741e+00	1.5733e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9956e+00	1.9956e+00	6e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	7e-16	2e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4455e+00	1.4434e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9935e+00	1.9934e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9991e+00	1.9977e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9739e+00	2.9737e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.4684e+00	1.4651e+00	5e+00	2e+00	2e-16	2e-01
2:	2.8281e+00	2.8262e+00	2e+00	6e-01	1e-15	5e-02
3:	2.9737e+00	2.9731e+00	1e-01	4e-02	3e-15	3e-03
4:	2.9997e+00	2.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1078e+00	2.1069e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9861e+00	2.9860e+00	2e-01	8e-02	2e-15	6e-03
3:	2.9999e+00	2.9999e+00	2e-03	8e-04	5e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	8e-06	4e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1245e+00	2.1245e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9637e+00	2.9637e+00	4e-01	1e-01	1e-15	1e-02
3:	2.9996e+00	2.9996e+00	4e-03	1e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7063e+00	1.7042e+00	5e+00	2e+00	2e-16	1e-01
2:	2.7810e+00	2.7794e+00	2e+00	7e-01	2e-15	6e-02
3:	2.9732e+00	2.9728e+00	2e-01	7e-02	1e-15	5e-03
4:	2.9997e+00	2.9997e+00	2e-03	7e-04	5e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	7e-06	3e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3956e+00	2.3954e+00	4e+00	1e+00	2e-16	1e-01
2:	2.9933e+00	2.9933e+00	6e-02	2e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	3e-16	2e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	1e-15	2e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1642e+00	2.1627e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9723e+00	2.9722e+00	3e-01	9e-02	2e-15	7e-03
3:	2.9997e+00	2.9997e+00	3e-03	9e-04	8e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	5e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	7e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1934e+00	2.1924e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9901e+00	2.9900e+00	2e-01	5e-02	1e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	5e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6202e+00	1.6202e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8298e+00	2.8298e+00	2e+00	7e-01	8e-16	5e-02
3:	2.9909e+00	2.9909e+00	6e-02	2e-02	1e-15	1e-03
4:	2.9999e+00	2.9999e+00	6e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	6e-06	2e-06	4e-16	1e-07
6:	3.0000e+00	3.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1372e+00	2.1387e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9276e+00	2.9278e+00	9e-01	3e-01	7e-16	2e-02
3:	2.9993e+00	2.9993e+00	9e-03	3e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	4e-16	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	1e-15	2e-08
6:	3.0000e+00	3.0000e+00	9e-09	3e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6721e+00	1.6692e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8956e+00	2.8944e+00	1e+00	5e-01	2e-15	4e-02
3:	2.9970e+00	2.9969e+00	3e-02	8e-03	1e-15	7e-04

4:	3.0000e+00	3.0000e+00	3e-04	8e-05	5e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	8e-07	5e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	8e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1602e+00	2.1584e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9901e+00	2.9900e+00	2e-01	5e-02	2e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	3e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2176e+00	2.2175e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9865e+00	2.9865e+00	2e-01	5e-02	1e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0005e+00	2.0001e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9264e+00	2.9264e+00	9e-01	3e-01	1e-15	2e-02
3:	2.9992e+00	2.9992e+00	9e-03	3e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1509e+00	2.1502e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9846e+00	2.9845e+00	2e-01	7e-02	1e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	4e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	6e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8154e+00	1.8135e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9420e+00	2.9414e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9993e+00	2.9993e+00	1e-02	3e-03	7e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7622e+00	1.7589e+00	5e+00	2e+00	2e-16	2e-01

2:	2.9782e+00	2.9771e+00	8e-01	3e-01	2e-15	2e-02
3:	2.9996e+00	2.9996e+00	9e-03	3e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	9e-16	3e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0641e+00	2.0645e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9375e+00	2.9376e+00	7e-01	2e-01	3e-15	2e-02
3:	2.9994e+00	2.9994e+00	7e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8894e+00	1.8871e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9621e+00	2.9616e+00	8e-01	3e-01	4e-15	2e-02
3:	2.9996e+00	2.9996e+00	8e-03	3e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	3e-05	9e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0728e+00	2.0724e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9644e+00	2.9643e+00	4e-01	1e-01	1e-15	1e-02
3:	2.9996e+00	2.9996e+00	4e-03	1e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	8e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.6640e+00	1.6607e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8833e+00	2.8818e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9959e+00	2.9959e+00	3e-02	1e-02	1e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	1e-04	6e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	1e-06	9e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	1e-08	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7853e+00	1.7837e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9326e+00	2.9321e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9991e+00	2.9991e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	7e-16	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7972e+00	1.7965e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8955e+00	2.8952e+00	2e+00	5e-01	4e-15	4e-02
3:	2.9986e+00	2.9986e+00	2e-02	6e-03	9e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	5e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	4e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8612e+00	1.8614e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8786e+00	2.8786e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9980e+00	2.9981e+00	2e-02	7e-03	7e-16	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	9e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	8e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0686e+00	2.0680e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9702e+00	2.9701e+00	5e-01	1e-01	1e-15	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	1e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	1e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8387e+00	1.8376e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9116e+00	2.9112e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9988e+00	2.9988e+00	2e-02	5e-03	5e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	5e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1305e+00	2.1294e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9890e+00	2.9889e+00	2e-01	7e-02	2e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	7e-04	4e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	4e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2273e+00	2.2276e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9662e+00	2.9662e+00	3e-01	1e-01	2e-15	8e-03
3:	2.9997e+00	2.9997e+00	3e-03	1e-03	2e-15	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	8e-16	8e-07



5: 3.0000e+00 3.0000e+00 3e-07 1e-07 8e-16 8e-09  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2166e+00	2.2160e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9751e+00	2.9750e+00	3e-01	9e-02	2e-15	7e-03
3:	2.9998e+00	2.9997e+00	3e-03	9e-04	3e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0715e+00	2.0724e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9661e+00	2.9662e+00	5e-01	2e-01	1e-15	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7697e+00	1.7696e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9199e+00	2.9199e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9983e+00	2.9983e+00	2e-02	6e-03	2e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	6e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	7e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8791e+00	1.8786e+00	7e+00	2e+00	2e-16	2e-01
2:	2.9322e+00	2.9321e+00	1e+00	4e-01	3e-15	3e-02
3:	2.9993e+00	2.9993e+00	1e-02	4e-03	8e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8929e+00	1.8907e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9601e+00	2.9596e+00	7e-01	2e-01	3e-15	2e-02
3:	2.9996e+00	2.9996e+00	7e-03	2e-03	8e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2908e+00	2.2919e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9852e+00	2.9853e+00	1e-01	4e-02	2e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	4e-16	3e-05

4:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	9e+00	1e-16	1e+00
1:	9.8639e-01	9.8355e-01	5e+00	1e+00	2e-16	2e-01
2:	2.7570e+00	2.7553e+00	7e-01	2e-01	2e-15	2e-02
3:	2.9715e+00	2.9705e+00	3e-01	1e-01	9e-16	1e-02
4:	2.9652e+00	2.9643e+00	1e-01	3e-02	8e-15	3e-03
5:	2.9996e+00	2.9996e+00	1e-03	4e-04	6e-16	3e-05
6:	3.0000e+00	3.0000e+00	1e-05	4e-06	1e-15	3e-07
7:	3.0000e+00	3.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8429e+00	1.8414e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8433e+00	2.8425e+00	2e+00	6e-01	8e-16	5e-02
3:	2.9965e+00	2.9964e+00	4e-02	1e-02	4e-16	9e-04
4:	3.0000e+00	3.0000e+00	4e-04	1e-04	4e-16	9e-06
5:	3.0000e+00	3.0000e+00	4e-06	1e-06	2e-16	9e-08
6:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1091e+00	2.1098e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9523e+00	2.9524e+00	6e-01	2e-01	6e-16	1e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4667e+00	1.4639e+00	6e+00	2e+00	3e-16	2e-01
2:	2.7561e+00	2.7542e+00	2e+00	8e-01	5e-16	7e-02
3:	2.9711e+00	2.9707e+00	2e-01	5e-02	1e-15	4e-03
4:	2.9997e+00	2.9997e+00	2e-03	5e-04	3e-16	4e-05
5:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0055e+00	2.0060e+00	7e+00	2e+00	2e-16	2e-01
2:	2.9316e+00	2.9317e+00	9e-01	3e-01	1e-15	2e-02
3:	2.9993e+00	2.9993e+00	9e-03	3e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	8e-16	2e-06
5:	3.0000e+00	3.0000e+00	9e-07	3e-07	4e-16	2e-08
6:	3.0000e+00	3.0000e+00	9e-09	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9811e+00	1.9824e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8582e+00	2.8586e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9936e+00	2.9936e+00	5e-02	2e-02	3e-15	1e-03
4:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0321e+00	2.0312e+00	7e+00	2e+00	2e-16	2e-01
2:	2.9847e+00	2.9846e+00	3e-01	1e-01	4e-15	9e-03
3:	2.9998e+00	2.9998e+00	3e-03	1e-03	3e-16	9e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0519e+00	2.0496e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9732e+00	2.9729e+00	4e-01	1e-01	3e-15	9e-03
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7385e+00	1.7372e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8859e+00	2.8854e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9977e+00	2.9977e+00	2e-02	7e-03	1e-15	6e-04
4:	3.0000e+00	3.0000e+00	2e-04	7e-05	6e-16	6e-06
5:	3.0000e+00	3.0000e+00	2e-06	7e-07	6e-16	6e-08
6:	3.0000e+00	3.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1103e+00	2.1095e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9701e+00	2.9700e+00	4e-01	1e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	8e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0101e+00	2.0108e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9402e+00	2.9403e+00	8e-01	3e-01	1e-15	2e-02
3:	2.9993e+00	2.9993e+00	9e-03	3e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	9e-05	3e-05	1e-15	2e-06

5: 3.0000e+00 3.0000e+00 9e-07 3e-07 8e-16 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8987e+00	1.8994e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8303e+00	2.8306e+00	2e+00	6e-01	6e-16	5e-02
3:	2.9959e+00	2.9959e+00	5e-02	1e-02	1e-15	1e-03
4:	3.0000e+00	3.0000e+00	5e-04	1e-04	4e-16	1e-05
5:	3.0000e+00	3.0000e+00	5e-06	1e-06	3e-16	1e-07
6:	3.0000e+00	3.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0551e+00	2.0529e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9878e+00	2.9876e+00	3e-01	9e-02	4e-15	7e-03
3:	2.9999e+00	2.9999e+00	3e-03	9e-04	4e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7902e+00	1.7886e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9136e+00	2.9129e+00	1e+00	4e-01	2e-15	4e-02
3:	2.9988e+00	2.9988e+00	2e-02	5e-03	6e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	5e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	5e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0944e+00	2.0929e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9874e+00	2.9872e+00	3e-01	8e-02	4e-15	7e-03
3:	2.9999e+00	2.9999e+00	3e-03	8e-04	5e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	8e-06	5e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9986e+00	1.9983e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9641e+00	2.9641e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	2e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8563e+00	2.8568e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9548e+00	3.9548e+00	4e-01	1e-01	1e-15	1e-02

3:	3.9995e+00	3.9995e+00	4e-03	1e-03	1e-15	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7042e+00	2.7034e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9643e+00	3.9642e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9996e+00	3.9996e+00	5e-03	2e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5775e+00	2.5761e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8971e+00	3.8967e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9989e+00	3.9989e+00	1e-02	4e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8626e+00	2.8628e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9705e+00	3.9705e+00	3e-01	9e-02	4e-15	7e-03
3:	3.9997e+00	3.9997e+00	3e-03	9e-04	6e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	9e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4307e+00	2.4330e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8623e+00	3.8630e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9964e+00	3.9964e+00	2e-02	8e-03	8e-16	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	8e-05	9e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	8e-07	8e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5394e+00	2.5422e+00	6e+00	2e+00	3e-16	1e-01
2:	3.8145e+00	3.8154e+00	2e+00	6e-01	5e-16	4e-02
3:	3.9885e+00	3.9885e+00	6e-02	2e-02	6e-16	1e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	3e-16	1e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.0816e+00	2.0796e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6246e+00	3.6235e+00	2e+00	8e-01	1e-15	6e-02
3:	3.9426e+00	3.9421e+00	3e-01	8e-02	2e-15	6e-03
4:	3.9994e+00	3.9994e+00	3e-03	9e-04	3e-16	7e-05
5:	4.0000e+00	4.0000e+00	3e-05	9e-06	3e-16	7e-07
6:	4.0000e+00	4.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0962e+00	2.0937e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8402e+00	3.8391e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9775e+00	3.9772e+00	1e-01	3e-02	3e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1217e+00	2.1196e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7294e+00	3.7284e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9716e+00	3.9714e+00	1e-01	4e-02	2e-15	3e-03
4:	3.9997e+00	3.9997e+00	1e-03	4e-04	3e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	4e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8217e+00	1.8217e+00	6e+00	2e+00	3e-16	1e-01
2:	3.8219e+00	3.8219e+00	2e+00	6e-01	9e-16	4e-02
3:	3.9290e+00	3.9290e+00	2e-01	8e-02	2e-15	6e-03
4:	3.9993e+00	3.9993e+00	3e-03	8e-04	4e-16	6e-05
5:	4.0000e+00	4.0000e+00	3e-05	8e-06	5e-16	6e-07
6:	4.0000e+00	4.0000e+00	3e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3172e+00	2.3171e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7636e+00	3.7635e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9939e+00	3.9939e+00	4e-02	1e-02	6e-16	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8511e+00	2.8508e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9480e+00	3.9480e+00	4e-01	1e-01	3e-15	1e-02
3:	3.9995e+00	3.9995e+00	4e-03	1e-03	1e-15	1e-04

4:	4.0000e+00	4.0000e+00	4e-05	1e-05	8e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6923e+00	2.6923e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9588e+00	3.9589e+00	5e-01	2e-01	1e-15	1e-02
3:	3.9996e+00	3.9996e+00	5e-03	2e-03	6e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	5e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1616e+00	2.1595e+00	6e+00	2e+00	3e-16	2e-01
2:	3.7652e+00	3.7642e+00	2e+00	6e-01	1e-15	5e-02
3:	3.9783e+00	3.9781e+00	1e-01	3e-02	2e-15	3e-03
4:	3.9998e+00	3.9998e+00	1e-03	3e-04	6e-16	3e-05
5:	4.0000e+00	4.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	4.0000e+00	4.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6269e+00	2.6299e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8967e+00	3.8973e+00	1e+00	3e-01	2e-15	2e-02
3:	3.9988e+00	3.9988e+00	1e-02	3e-03	7e-16	2e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	8e-16	2e-08
6:	4.0000e+00	4.0000e+00	1e-08	3e-09	6e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3839e+00	2.3817e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8491e+00	3.8479e+00	2e+00	5e-01	9e-16	4e-02
3:	3.9970e+00	3.9969e+00	2e-02	8e-03	1e-15	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	8e-05	6e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	8e-07	4e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9184e+00	2.9176e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9839e+00	3.9839e+00	2e-01	6e-02	3e-15	5e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	5e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.4173e+00	2.4159e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9066e+00	3.9062e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9987e+00	3.9987e+00	1e-02	4e-03	8e-16	4e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	9e-16	4e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	8e-16	4e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3399e+00	2.3376e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7787e+00	3.7775e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9930e+00	3.9929e+00	4e-02	1e-02	2e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2825e+00	2.2806e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8563e+00	3.8555e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9965e+00	3.9965e+00	2e-02	8e-03	1e-15	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	8e-05	4e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	8e-07	7e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5355e+00	2.5358e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9304e+00	3.9305e+00	8e-01	3e-01	2e-15	2e-02
3:	3.9993e+00	3.9993e+00	8e-03	3e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8626e+00	2.8623e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9309e+00	3.9309e+00	6e-01	2e-01	5e-16	1e-02
3:	3.9993e+00	3.9993e+00	6e-03	2e-03	1e-15	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5242e+00	2.5224e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8851e+00	3.8845e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9987e+00	3.9987e+00	1e-02	4e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	9e-16	3e-08



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6: 4.0000e+00 4.0000e+00 1e-08 4e-09 7e-16 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.0635e+00 3.0646e+00 5e+00 2e+00 3e-16 1e-01
2: 3.9726e+00 3.9727e+00 2e-01 6e-02 1e-15 5e-03
3: 3.9997e+00 3.9997e+00 2e-03 6e-04 8e-16 5e-05
4: 4.0000e+00 4.0000e+00 2e-05 6e-06 6e-16 5e-07
5: 4.0000e+00 4.0000e+00 2e-07 6e-08 6e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.1871e+00 2.1865e+00 6e+00 2e+00 3e-16 1e-01
2: 3.7422e+00 3.7419e+00 2e+00 7e-01 9e-16 6e-02
3: 3.9738e+00 3.9738e+00 1e-01 4e-02 8e-16 3e-03
4: 3.9997e+00 3.9997e+00 1e-03 4e-04 5e-16 3e-05
5: 4.0000e+00 4.0000e+00 1e-05 4e-06 4e-16 3e-07
6: 4.0000e+00 4.0000e+00 1e-07 4e-08 5e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.7496e+00 2.7500e+00 7e+00 2e+00 3e-16 2e-01
2: 3.9526e+00 3.9526e+00 5e-01 2e-01 1e-15 1e-02
3: 3.9995e+00 3.9995e+00 5e-03 2e-03 8e-16 1e-04
4: 4.0000e+00 4.0000e+00 5e-05 2e-05 5e-16 1e-06
5: 4.0000e+00 4.0000e+00 5e-07 2e-07 5e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8885e+00 2.8889e+00 6e+00 2e+00 2e-16 1e-01
2: 3.9705e+00 3.9706e+00 3e-01 8e-02 1e-15 6e-03
3: 3.9997e+00 3.9997e+00 3e-03 8e-04 6e-16 6e-05
4: 4.0000e+00 4.0000e+00 3e-05 8e-06 8e-16 6e-07
5: 4.0000e+00 4.0000e+00 3e-07 8e-08 6e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8054e+00 2.8047e+00 6e+00 2e+00 2e-16 2e-01
2: 3.9802e+00 3.9801e+00 3e-01 9e-02 1e-15 7e-03
3: 3.9998e+00 3.9998e+00 3e-03 9e-04 3e-16 7e-05
4: 4.0000e+00 4.0000e+00 3e-05 9e-06 3e-16 7e-07
5: 4.0000e+00 4.0000e+00 3e-07 9e-08 3e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.5113e+00 2.5108e+00 6e+00 2e+00 2e-16 2e-01
2: 3.9398e+00 3.9397e+00 8e-01 3e-01 2e-15 2e-02
3: 3.9994e+00 3.9994e+00 8e-03 3e-03 1e-15 2e-04

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4:	4.0000e+00	4.0000e+00	8e-05	3e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9244e+00	2.9249e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9617e+00	3.9618e+00	3e-01	9e-02	1e-15	7e-03
3:	3.9996e+00	3.9996e+00	3e-03	9e-04	8e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9625e+00	2.9638e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9794e+00	3.9795e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	4e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5584e+00	2.5577e+00	6e+00	2e+00	1e-16	2e-01
2:	3.8952e+00	3.8950e+00	1e+00	3e-01	2e-15	2e-02
3:	3.9988e+00	3.9988e+00	1e-02	4e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	7e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7594e+00	1.7564e+00	6e+00	2e+00	2e-16	2e-01
2:	3.4714e+00	3.4700e+00	1e+00	4e-01	1e-15	3e-02
3:	3.8851e+00	3.8847e+00	3e-01	8e-02	2e-15	7e-03
4:	3.9929e+00	3.9927e+00	7e-02	2e-02	2e-15	2e-03
5:	3.9912e+00	3.9911e+00	2e-02	7e-03	5e-14	6e-04
6:	3.9999e+00	3.9999e+00	3e-04	1e-04	4e-15	8e-06
7:	4.0000e+00	4.0000e+00	3e-06	1e-06	1e-14	8e-08
8:	4.0000e+00	4.0000e+00	3e-08	1e-08	1e-14	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4533e+00	2.4536e+00	7e+00	2e+00	3e-16	2e-01
2:	3.8513e+00	3.8514e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9981e+00	3.9982e+00	2e-02	5e-03	1e-15	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	5e-05	5e-16	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5691e+00	2.5704e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9029e+00	3.9032e+00	1e+00	3e-01	2e-15	2e-02
3:	3.9990e+00	3.9990e+00	1e-02	3e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	9e-16	2e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0304e+00	3.0299e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9881e+00	3.9881e+00	1e-01	4e-02	2e-15	3e-03
3:	3.9999e+00	3.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6007e+00	2.6021e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8703e+00	3.8707e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	9e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	9e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5416e+00	2.5415e+00	7e+00	2e+00	3e-16	2e-01
2:	3.8742e+00	3.8742e+00	1e+00	3e-01	3e-15	3e-02
3:	3.9986e+00	3.9986e+00	1e-02	4e-03	7e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5963e+00	2.5942e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9336e+00	3.9331e+00	8e-01	2e-01	1e-15	2e-02
3:	3.9993e+00	3.9993e+00	8e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	9e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8362e+00	2.8356e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9795e+00	3.9794e+00	2e-01	7e-02	2e-15	6e-03
3:	3.9998e+00	3.9998e+00	2e-03	7e-04	5e-16	6e-05
4:	4.0000e+00	4.0000e+00	2e-05	7e-06	8e-16	6e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4056e+00	2.4046e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7856e+00	3.7851e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9965e+00	3.9964e+00	3e-02	9e-03	9e-16	7e-04
4:	4.0000e+00	4.0000e+00	3e-04	9e-05	6e-16	7e-06
5:	4.0000e+00	4.0000e+00	3e-06	9e-07	5e-16	7e-08
6:	4.0000e+00	4.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2111e+00	2.2129e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8181e+00	3.8187e+00	2e+00	6e-01	1e-15	4e-02
3:	3.9889e+00	3.9889e+00	6e-02	2e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	6e-16	1e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	6e-16	1e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7836e+00	2.7843e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9557e+00	3.9558e+00	4e-01	1e-01	4e-15	1e-02
3:	3.9996e+00	3.9996e+00	4e-03	1e-03	6e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9707e+00	2.9720e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9647e+00	3.9647e+00	3e-01	8e-02	1e-15	6e-03
3:	3.9996e+00	3.9996e+00	3e-03	8e-04	9e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	8e-06	8e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5507e+00	1.5473e+00	5e+00	2e+00	3e-16	2e-01
2:	3.5181e+00	3.5166e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9317e+00	3.9310e+00	4e-01	1e-01	1e-15	1e-02
4:	3.9464e+00	3.9456e+00	1e-01	5e-02	2e-14	4e-03
5:	3.9994e+00	3.9994e+00	2e-03	6e-04	7e-16	5e-05
6:	4.0000e+00	4.0000e+00	2e-05	6e-06	2e-15	5e-07
7:	4.0000e+00	4.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4505e+00	2.4507e+00	6e+00	2e+00	3e-16	2e-01

2:	3.7636e+00	3.7637e+00	2e+00	6e-01	7e-16	5e-02
3:	3.9859e+00	3.9859e+00	8e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	8e-04	2e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	2e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7526e+00	2.7528e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9571e+00	3.9571e+00	4e-01	1e-01	1e-15	1e-02
3:	3.9996e+00	3.9996e+00	5e-03	1e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6548e+00	2.6550e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9667e+00	3.9668e+00	4e-01	1e-01	2e-15	1e-02
3:	3.9997e+00	3.9997e+00	4e-03	1e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	9e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9906e+00	2.9918e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9645e+00	3.9645e+00	3e-01	9e-02	3e-15	7e-03
3:	3.9996e+00	3.9996e+00	3e-03	9e-04	7e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5661e+00	2.5703e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9292e+00	3.9300e+00	1e+00	3e-01	2e-15	2e-02
3:	3.9989e+00	3.9989e+00	1e-02	4e-03	2e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8665e+00	2.8644e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7614e+00	4.7606e+00	2e+00	5e-01	9e-16	4e-02
3:	4.9748e+00	4.9745e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	6e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0301e+00	3.0312e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8062e+00	4.8067e+00	2e+00	5e-01	3e-15	4e-02
3:	4.9907e+00	4.9908e+00	4e-02	1e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8274e+00	2.8278e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7087e+00	4.7089e+00	2e+00	5e-01	2e-15	4e-02
3:	4.8933e+00	4.8934e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9988e+00	4.9988e+00	6e-03	2e-03	4e-16	1e-04
5:	5.0000e+00	5.0000e+00	6e-05	2e-05	6e-16	1e-06
6:	5.0000e+00	5.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0806e+00	3.0827e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9078e+00	4.9082e+00	9e-01	3e-01	2e-15	2e-02
3:	4.9987e+00	4.9987e+00	1e-02	3e-03	2e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7663e+00	3.7671e+00	6e+00	2e+00	2e-16	1e-01
2:	4.8562e+00	4.8564e+00	9e-01	3e-01	9e-16	2e-02
3:	4.9985e+00	4.9985e+00	9e-03	3e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	2e-15	2e-08
6:	5.0000e+00	5.0000e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5960e+00	3.5981e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9645e+00	4.9646e+00	2e-01	8e-02	9e-16	6e-03
3:	4.9996e+00	4.9996e+00	2e-03	8e-04	7e-16	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	8e-06	7e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	8e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7127e+00	2.7142e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6181e+00	4.6187e+00	2e+00	7e-01	2e-15	5e-02
3:	4.9718e+00	4.9720e+00	1e-01	5e-02	3e-15	4e-03
4:	4.9997e+00	4.9997e+00	1e-03	5e-04	6e-16	4e-05

5:	5.0000e+00	5.0000e+00	1e-05	5e-06	6e-16	4e-07
6:	5.0000e+00	5.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2536e+00	3.2549e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7987e+00	4.7991e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9977e+00	4.9977e+00	2e-02	5e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0161e+00	3.0193e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7593e+00	4.7606e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9910e+00	4.9911e+00	5e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	7e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.6568e+00	2.6620e+00	7e+00	2e+00	3e-16	2e-01
2:	4.5982e+00	4.6004e+00	2e+00	8e-01	7e-16	6e-02
3:	4.9680e+00	4.9684e+00	1e-01	5e-02	1e-15	4e-03
4:	4.9997e+00	4.9997e+00	1e-03	5e-04	3e-16	4e-05
5:	5.0000e+00	5.0000e+00	1e-05	5e-06	3e-16	4e-07
6:	5.0000e+00	5.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9174e+00	2.9212e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6642e+00	4.6657e+00	2e+00	7e-01	1e-15	5e-02
3:	4.9896e+00	4.9897e+00	5e-02	2e-02	6e-16	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2920e+00	3.2929e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8590e+00	4.8592e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9983e+00	4.9983e+00	1e-02	4e-03	8e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	8e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3786e+00	3.3780e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8260e+00	4.8258e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9979e+00	4.9979e+00	1e-02	4e-03	2e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1501e+00	3.1509e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7060e+00	4.7063e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9878e+00	4.9878e+00	6e-02	2e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	6e-04	2e-04	4e-16	1e-05
5:	5.0000e+00	5.0000e+00	6e-06	2e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1878e+00	3.1909e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7406e+00	4.7416e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9890e+00	4.9890e+00	6e-02	2e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	6e-04	2e-04	7e-16	1e-05
5:	5.0000e+00	5.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3691e+00	3.3690e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9297e+00	4.9297e+00	6e-01	2e-01	3e-15	2e-02
3:	4.9993e+00	4.9993e+00	6e-03	2e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5125e+00	3.5132e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9226e+00	4.9227e+00	5e-01	2e-01	1e-15	1e-02
3:	4.9992e+00	4.9992e+00	5e-03	2e-03	8e-16	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9139e+00	2.9132e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8000e+00	4.7997e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9950e+00	4.9950e+00	3e-02	1e-02	2e-15	8e-04
4:	5.0000e+00	5.0000e+00	3e-04	1e-04	5e-16	8e-06
5:	5.0000e+00	5.0000e+00	3e-06	1e-06	5e-16	8e-08



6: 5.0000e+00 5.0000e+00 3e-08 1e-08 8e-16 8e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5502e+00	3.5490e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9473e+00	4.9472e+00	4e-01	1e-01	2e-15	1e-02
3:	4.9995e+00	4.9995e+00	4e-03	1e-03	8e-16	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3682e+00	3.3684e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8539e+00	4.8540e+00	1e+00	3e-01	3e-15	2e-02
3:	4.9982e+00	4.9982e+00	1e-02	4e-03	2e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6169e+00	2.6142e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8239e+00	4.8228e+00	1e+00	4e-01	2e-15	4e-02
3:	4.9791e+00	4.9789e+00	8e-02	2e-02	4e-15	2e-03
4:	4.9998e+00	4.9998e+00	8e-04	2e-04	5e-16	2e-05
5:	5.0000e+00	5.0000e+00	8e-06	2e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1770e+00	3.1783e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8215e+00	4.8219e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9941e+00	4.9941e+00	3e-02	1e-02	1e-15	8e-04
4:	4.9999e+00	4.9999e+00	3e-04	1e-04	9e-16	8e-06
5:	5.0000e+00	5.0000e+00	3e-06	1e-06	9e-16	8e-08
6:	5.0000e+00	5.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3484e+00	3.3512e+00	6e+00	2e+00	5e-16	1e-01
2:	4.6758e+00	4.6769e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9912e+00	4.9913e+00	5e-02	2e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6204e+00	3.6222e+00	6e+00	2e+00	3e-16	1e-01

2:	4.8894e+00	4.8896e+00	6e-01	2e-01	2e-15	2e-02
3:	4.9989e+00	4.9989e+00	7e-03	2e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3719e+00	3.3731e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9334e+00	4.9336e+00	6e-01	2e-01	2e-15	1e-02
3:	4.9993e+00	4.9993e+00	6e-03	2e-03	1e-15	1e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	2e-15	1e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9641e+00	2.9622e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6688e+00	4.6678e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9914e+00	4.9913e+00	5e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	3e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8436e+00	2.8443e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6651e+00	4.6654e+00	2e+00	7e-01	2e-15	5e-02
3:	4.9677e+00	4.9677e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	7e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1332e+00	3.1356e+00	7e+00	2e+00	3e-16	2e-01
2:	4.6336e+00	4.6346e+00	2e+00	7e-01	1e-15	5e-02
3:	4.9817e+00	4.9819e+00	1e-01	3e-02	1e-15	3e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	3e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4000e+00	3.4020e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8889e+00	4.8893e+00	8e-01	3e-01	2e-15	2e-02
3:	4.9988e+00	4.9988e+00	9e-03	3e-03	7e-16	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4295e+00	3.4321e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8168e+00	4.8175e+00	1e+00	4e-01	8e-16	3e-02
3:	4.9978e+00	4.9979e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	4e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1845e+00	3.1848e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7628e+00	4.7629e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9966e+00	4.9966e+00	2e-02	8e-03	1e-15	6e-04
4:	5.0000e+00	5.0000e+00	2e-04	8e-05	7e-16	6e-06
5:	5.0000e+00	5.0000e+00	2e-06	8e-07	8e-16	6e-08
6:	5.0000e+00	5.0000e+00	2e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6980e+00	2.6998e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7506e+00	4.7513e+00	2e+00	5e-01	3e-15	4e-02
3:	4.9339e+00	4.9342e+00	3e-01	8e-02	1e-15	7e-03
4:	4.9993e+00	4.9993e+00	3e-03	9e-04	4e-16	7e-05
5:	5.0000e+00	5.0000e+00	3e-05	9e-06	5e-16	7e-07
6:	5.0000e+00	5.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0001e+00	3.0009e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6677e+00	4.6680e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9819e+00	4.9819e+00	1e-01	3e-02	2e-15	3e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2933e+00	3.2934e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8600e+00	4.8600e+00	1e+00	3e-01	1e-15	3e-02
3:	4.9983e+00	4.9983e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6578e+00	2.6591e+00	6e+00	2e+00	2e-16	2e-01
2:	4.6521e+00	4.6527e+00	2e+00	7e-01	7e-16	5e-02
3:	4.9595e+00	4.9596e+00	2e-01	5e-02	1e-15	4e-03

4:	4.9996e+00	4.9996e+00	2e-03	5e-04	5e-16	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	5.0000e+00	5.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8969e+00	2.8982e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7437e+00	4.7442e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9833e+00	4.9833e+00	8e-02	2e-02	2e-15	2e-03
4:	4.9998e+00	4.9998e+00	8e-04	2e-04	3e-16	2e-05
5:	5.0000e+00	5.0000e+00	8e-06	2e-06	5e-16	2e-07
6:	5.0000e+00	5.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1925e+00	3.1953e+00	7e+00	2e+00	4e-16	2e-01
2:	4.8519e+00	4.8526e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9980e+00	4.9980e+00	1e-02	5e-03	9e-16	4e-04
4:	5.0000e+00	5.0000e+00	1e-04	5e-05	2e-15	4e-06
5:	5.0000e+00	5.0000e+00	1e-06	5e-07	8e-16	4e-08
6:	5.0000e+00	5.0000e+00	1e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0671e+00	3.0677e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7253e+00	4.7255e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9962e+00	4.9962e+00	2e-02	7e-03	1e-15	6e-04
4:	5.0000e+00	5.0000e+00	2e-04	7e-05	8e-16	6e-06
5:	5.0000e+00	5.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	5.0000e+00	5.0000e+00	2e-08	7e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4779e+00	3.4779e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9112e+00	4.9112e+00	6e-01	2e-01	1e-15	1e-02
3:	4.9991e+00	4.9991e+00	6e-03	2e-03	7e-16	2e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6894e+00	2.6877e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6511e+00	4.6502e+00	2e+00	7e-01	8e-16	5e-02
3:	4.9800e+00	4.9799e+00	9e-02	3e-02	1e-15	2e-03
4:	4.9998e+00	4.9998e+00	9e-04	3e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0613e+00	3.0627e+00	6e+00	2e+00	4e-16	2e-01
2:	4.8307e+00	4.8311e+00	1e+00	4e-01	9e-16	3e-02
3:	4.9843e+00	4.9844e+00	7e-02	2e-02	3e-15	2e-03
4:	4.9998e+00	4.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	7e-06	2e-06	7e-16	2e-07
6:	5.0000e+00	5.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7961e+00	3.7966e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9798e+00	4.9798e+00	1e-01	4e-02	2e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	6e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1568e+00	3.1571e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7737e+00	4.7738e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9967e+00	4.9967e+00	2e-02	7e-03	7e-16	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	7e-05	1e-15	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	7e-07	7e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0692e+00	3.0707e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7128e+00	4.7134e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9894e+00	4.9894e+00	5e-02	2e-02	1e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	3e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8784e+00	2.8786e+00	7e+00	2e+00	3e-16	2e-01
2:	4.6119e+00	4.6120e+00	2e+00	7e-01	2e-15	6e-02
3:	4.9852e+00	4.9852e+00	7e-02	2e-02	1e-15	2e-03
4:	4.9999e+00	4.9999e+00	7e-04	2e-04	3e-16	2e-05
5:	5.0000e+00	5.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	5.0000e+00	5.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1587e+00	3.1587e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6543e+00	4.6543e+00	2e+00	6e-01	1e-15	5e-02

3:	4.9733e+00	4.9733e+00	2e-01	5e-02	2e-15	4e-03
4:	4.9997e+00	4.9997e+00	2e-03	5e-04	5e-16	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	5e-06	6e-16	4e-07
6:	5.0000e+00	5.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8338e+00	3.8348e+00	5e+00	2e+00	2e-16	1e-01
2:	4.9588e+00	4.9588e+00	2e-01	7e-02	3e-15	6e-03
3:	4.9996e+00	4.9996e+00	2e-03	7e-04	4e-16	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	6e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2599e+00	3.2604e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8137e+00	4.8139e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9975e+00	4.9976e+00	2e-02	5e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5347e+00	3.5349e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9597e+00	4.9597e+00	3e-01	1e-01	5e-15	8e-03
3:	4.9996e+00	4.9996e+00	3e-03	1e-03	6e-16	8e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6533e+00	3.6524e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9730e+00	4.9729e+00	2e-01	7e-02	7e-16	6e-03
3:	4.9997e+00	4.9997e+00	2e-03	7e-04	4e-16	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7473e+00	3.7526e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7494e+00	5.7507e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9899e+00	5.9899e+00	4e-02	1e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5598e+00	3.5636e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6633e+00	5.6646e+00	2e+00	6e-01	7e-16	4e-02
3:	5.9709e+00	5.9711e+00	1e-01	3e-02	2e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	4e-04	3e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4566e+00	3.4565e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7190e+00	5.7190e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9837e+00	5.9837e+00	6e-02	2e-02	5e-15	2e-03
4:	5.9998e+00	5.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.6147e+00	2.6115e+00	5e+00	2e+00	2e-16	2e-01
2:	5.1988e+00	5.1973e+00	1e+00	4e-01	1e-15	3e-02
3:	5.6889e+00	5.6885e+00	3e-01	9e-02	1e-15	7e-03
4:	5.8340e+00	5.8339e+00	3e-02	1e-02	2e-15	9e-04
5:	5.8401e+00	5.8400e+00	2e-02	6e-03	4e-14	5e-04
6:	5.8484e+00	5.8484e+00	1e-03	4e-04	4e-15	3e-05
7:	5.8488e+00	5.8488e+00	1e-05	4e-06	1e-14	3e-07
8:	5.8488e+00	5.8488e+00	1e-07	4e-08	1e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2221e+00	3.2235e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8239e+00	5.8243e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9832e+00	5.9833e+00	6e-02	2e-02	3e-15	1e-03
4:	5.9998e+00	5.9998e+00	6e-04	2e-04	4e-16	1e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4995e+00	3.4978e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8498e+00	5.8492e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9774e+00	5.9773e+00	9e-02	3e-02	4e-15	2e-03
4:	5.9998e+00	5.9998e+00	9e-04	3e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.0430e+00	4.0443e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8590e+00	5.8592e+00	9e-01	3e-01	2e-15	2e-02
3:	5.9984e+00	5.9984e+00	1e-02	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9987e+00	3.9991e+00	7e+00	2e+00	4e-16	2e-01
2:	5.6180e+00	5.6182e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9924e+00	5.9925e+00	4e-02	1e-02	1e-15	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9985e+00	4.0005e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6509e+00	5.6515e+00	2e+00	6e-01	1e-15	4e-02
3:	5.9888e+00	5.9889e+00	5e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	4e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3213e+00	4.3221e+00	6e+00	2e+00	4e-16	2e-01
2:	5.8637e+00	5.8639e+00	7e-01	2e-01	2e-15	2e-02
3:	5.9985e+00	5.9985e+00	8e-03	2e-03	9e-16	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6474e+00	3.6466e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7430e+00	5.7427e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9915e+00	5.9915e+00	4e-02	1e-02	3e-15	9e-04
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8039e+00	3.8042e+00	6e+00	2e+00	2e-16	2e-01
2:	5.5726e+00	5.5727e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9925e+00	5.9925e+00	4e-02	1e-02	8e-16	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	4e-16	1e-07



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6: 6.0000e+00 6.0000e+00 4e-08 1e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1228e+00 3.1234e+00 6e+00 2e+00 2e-16 2e-01
2: 5.6750e+00 5.6752e+00 1e+00 4e-01 1e-15 3e-02
3: 5.9363e+00 5.9364e+00 2e-01 8e-02 3e-15 6e-03
4: 5.9993e+00 5.9993e+00 3e-03 9e-04 5e-16 7e-05
5: 6.0000e+00 6.0000e+00 3e-05 9e-06 6e-16 7e-07
6: 6.0000e+00 6.0000e+00 3e-07 9e-08 4e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2600e+00 3.2610e+00 7e+00 2e+00 2e-16 2e-01
2: 5.5181e+00 5.5186e+00 2e+00 7e-01 2e-15 5e-02
3: 5.9392e+00 5.9394e+00 3e-01 8e-02 2e-15 7e-03
4: 5.9994e+00 5.9994e+00 3e-03 9e-04 3e-16 7e-05
5: 6.0000e+00 6.0000e+00 3e-05 9e-06 3e-16 7e-07
6: 6.0000e+00 6.0000e+00 3e-07 9e-08 5e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7706e+00 3.7699e+00 6e+00 2e+00 2e-16 2e-01
2: 5.7391e+00 5.7389e+00 1e+00 4e-01 2e-15 4e-02
3: 5.9967e+00 5.9967e+00 2e-02 6e-03 2e-15 5e-04
4: 6.0000e+00 6.0000e+00 2e-04 6e-05 8e-16 5e-06
5: 6.0000e+00 6.0000e+00 2e-06 6e-07 9e-16 5e-08
6: 6.0000e+00 6.0000e+00 2e-08 6e-09 7e-16 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.3150e+00 4.3180e+00 6e+00 2e+00 3e-16 1e-01
2: 5.9274e+00 5.9277e+00 4e-01 1e-01 1e-15 1e-02
3: 5.9993e+00 5.9993e+00 4e-03 1e-03 9e-16 1e-04
4: 6.0000e+00 6.0000e+00 4e-05 1e-05 1e-15 1e-06
5: 6.0000e+00 6.0000e+00 4e-07 1e-07 8e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7973e+00 3.7979e+00 7e+00 2e+00 3e-16 2e-01
2: 5.7096e+00 5.7098e+00 2e+00 5e-01 2e-15 4e-02
3: 5.9956e+00 5.9956e+00 2e-02 7e-03 1e-15 6e-04
4: 6.0000e+00 6.0000e+00 2e-04 7e-05 9e-16 6e-06
5: 6.0000e+00 6.0000e+00 2e-06 7e-07 9e-16 6e-08
6: 6.0000e+00 6.0000e+00 2e-08 7e-09 8e-16 6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00

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1:	3.2972e+00	3.3006e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6750e+00	5.6762e+00	2e+00	6e-01	2e-15	4e-02
3:	5.9494e+00	5.9497e+00	2e-01	5e-02	2e-15	4e-03
4:	5.9995e+00	5.9995e+00	2e-03	5e-04	4e-16	4e-05
5:	6.0000e+00	6.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	6.0000e+00	6.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6969e+00	3.6985e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5441e+00	5.5448e+00	2e+00	7e-01	1e-15	5e-02
3:	5.9867e+00	5.9868e+00	8e-02	2e-02	1e-15	2e-03
4:	5.9999e+00	5.9999e+00	8e-04	2e-04	4e-16	2e-05
5:	6.0000e+00	6.0000e+00	8e-06	2e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1045e+00	4.1082e+00	6e+00	2e+00	4e-16	1e-01
2:	5.8039e+00	5.8047e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9965e+00	5.9965e+00	2e-02	5e-03	2e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5808e+00	3.5800e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6944e+00	5.6940e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9864e+00	5.9863e+00	6e-02	2e-02	2e-15	2e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7809e+00	3.7850e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7496e+00	5.7508e+00	1e+00	5e-01	1e-15	3e-02
3:	5.9945e+00	5.9946e+00	3e-02	8e-03	6e-16	6e-04
4:	5.9999e+00	5.9999e+00	3e-04	8e-05	6e-16	6e-06
5:	6.0000e+00	6.0000e+00	3e-06	8e-07	6e-16	6e-08
6:	6.0000e+00	6.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0373e+00	4.0397e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8852e+00	5.8855e+00	8e-01	2e-01	1e-15	2e-02
3:	5.9987e+00	5.9987e+00	8e-03	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	3e-05	8e-16	2e-06

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5: 6.0000e+00 6.0000e+00 8e-07 3e-07 7e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8033e+00 3.8027e+00 6e+00 2e+00 3e-16 1e-01
2: 5.6868e+00 5.6866e+00 2e+00 5e-01 1e-15 4e-02
3: 5.9728e+00 5.9727e+00 1e-01 3e-02 2e-15 2e-03
4: 5.9997e+00 5.9997e+00 1e-03 3e-04 5e-16 2e-05
5: 6.0000e+00 6.0000e+00 1e-05 3e-06 4e-16 2e-07
6: 6.0000e+00 6.0000e+00 1e-07 3e-08 5e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.0782e+00 4.0791e+00 7e+00 2e+00 2e-16 2e-01
2: 5.9060e+00 5.9061e+00 6e-01 2e-01 2e-15 1e-02
3: 5.9990e+00 5.9990e+00 6e-03 2e-03 5e-16 2e-04
4: 6.0000e+00 6.0000e+00 6e-05 2e-05 6e-16 2e-06
5: 6.0000e+00 6.0000e+00 6e-07 2e-07 4e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.9918e+00 3.9952e+00 6e+00 2e+00 3e-16 2e-01
2: 5.8063e+00 5.8073e+00 1e+00 4e-01 1e-15 3e-02
3: 5.9921e+00 5.9922e+00 4e-02 1e-02 2e-15 9e-04
4: 5.9999e+00 5.9999e+00 4e-04 1e-04 1e-15 9e-06
5: 6.0000e+00 6.0000e+00 4e-06 1e-06 8e-16 9e-08
6: 6.0000e+00 6.0000e+00 4e-08 1e-08 6e-16 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1214e+00 3.1229e+00 7e+00 2e+00 2e-16 2e-01
2: 5.6746e+00 5.6750e+00 1e+00 3e-01 1e-15 3e-02
3: 5.8244e+00 5.8247e+00 4e-01 1e-01 3e-15 1e-02
4: 5.9973e+00 5.9973e+00 1e-02 5e-03 6e-16 4e-04
5: 6.0000e+00 6.0000e+00 1e-04 5e-05 2e-15 4e-06
6: 6.0000e+00 6.0000e+00 1e-06 5e-07 3e-15 4e-08
7: 6.0000e+00 6.0000e+00 1e-08 5e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.7538e+00 3.7556e+00 7e+00 2e+00 3e-16 2e-01
2: 5.7241e+00 5.7246e+00 1e+00 5e-01 2e-15 3e-02
3: 5.9905e+00 5.9906e+00 4e-02 1e-02 2e-15 1e-03
4: 5.9999e+00 5.9999e+00 4e-04 1e-04 6e-16 1e-05
5: 6.0000e+00 6.0000e+00 4e-06 1e-06 5e-16 1e-07
6: 6.0000e+00 6.0000e+00 4e-08 1e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5137e+00	3.5127e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6015e+00	5.6010e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9416e+00	5.9413e+00	3e-01	8e-02	2e-15	7e-03
4:	5.9994e+00	5.9994e+00	3e-03	1e-03	6e-16	8e-05
5:	6.0000e+00	6.0000e+00	3e-05	1e-05	5e-16	8e-07
6:	6.0000e+00	6.0000e+00	3e-07	1e-07	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.0211e+00	3.0278e+00	8e+00	2e+00	2e-16	2e-01
2:	5.2779e+00	5.2800e+00	2e+00	6e-01	2e-15	4e-02
3:	5.9396e+00	5.9402e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9489e+00	5.9493e+00	1e-01	4e-02	6e-15	3e-03
5:	5.9991e+00	5.9991e+00	3e-03	9e-04	8e-16	7e-05
6:	6.0000e+00	6.0000e+00	3e-05	9e-06	1e-15	7e-07
7:	6.0000e+00	6.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8738e+00	3.8734e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7442e+00	5.7441e+00	1e+00	5e-01	9e-16	4e-02
3:	5.9964e+00	5.9964e+00	2e-02	6e-03	2e-15	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	8e-16	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	7e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9749e+00	3.9755e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8351e+00	5.8352e+00	1e+00	3e-01	1e-15	3e-02
3:	5.9982e+00	5.9982e+00	1e-02	4e-03	9e-16	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6737e+00	3.6751e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8223e+00	5.8226e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9973e+00	5.9973e+00	1e-02	5e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	1e-04	5e-05	7e-16	4e-06
5:	6.0000e+00	6.0000e+00	1e-06	5e-07	9e-16	4e-08
6:	6.0000e+00	6.0000e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6200e+00	2.6183e+00	6e+00	2e+00	3e-16	2e-01
2:	5.3574e+00	5.3566e+00	2e+00	5e-01	1e-15	4e-02

3:	5.9043e+00	5.9041e+00	3e-01	1e-01	1e-15	9e-03
4:	5.9746e+00	5.9745e+00	1e-01	3e-02	1e-14	2e-03
5:	5.9997e+00	5.9997e+00	2e-03	7e-04	3e-15	6e-05
6:	6.0000e+00	6.0000e+00	2e-05	7e-06	5e-15	6e-07
7:	6.0000e+00	6.0000e+00	2e-07	7e-08	6e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	2.6278e+00	2.6358e+00	7e+00	2e+00	2e-16	2e-01
2:	5.0566e+00	5.0591e+00	2e+00	5e-01	8e-16	4e-02
3:	5.5974e+00	5.5982e+00	4e-01	1e-01	2e-15	1e-02
4:	5.7119e+00	5.7120e+00	5e-02	2e-02	2e-15	1e-03
5:	5.7316e+00	5.7316e+00	8e-03	3e-03	7e-16	2e-04
6:	5.7348e+00	5.7348e+00	7e-04	2e-04	1e-15	2e-05
7:	5.7351e+00	5.7351e+00	7e-06	2e-06	1e-15	2e-07
8:	5.7351e+00	5.7351e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3881e+00	3.3913e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6612e+00	5.6623e+00	2e+00	6e-01	1e-15	4e-02
3:	5.9717e+00	5.9719e+00	1e-01	3e-02	2e-15	2e-03
4:	5.9997e+00	5.9997e+00	1e-03	3e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2308e+00	3.2315e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6942e+00	5.6944e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9782e+00	5.9783e+00	1e-01	3e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	1e-03	3e-04	7e-16	2e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	6e-16	2e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8166e+00	3.8172e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8079e+00	5.8080e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9972e+00	5.9972e+00	2e-02	5e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	8e-16	4e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0644e+00	3.0684e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5073e+00	5.5090e+00	2e+00	7e-01	3e-15	5e-02

3:	5.8964e+00	5.8973e+00	4e-01	1e-01	1e-15	9e-03
4:	5.9989e+00	5.9989e+00	5e-03	1e-03	4e-16	1e-04
5:	6.0000e+00	6.0000e+00	5e-05	1e-05	4e-16	1e-06
6:	6.0000e+00	6.0000e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0451e+00	4.0464e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7602e+00	5.7606e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9971e+00	5.9971e+00	1e-02	5e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	1e-04	5e-05	9e-16	4e-06
5:	6.0000e+00	6.0000e+00	1e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7692e+00	3.7726e+00	6e+00	2e+00	2e-16	1e-01
2:	5.8464e+00	5.8474e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9635e+00	5.9638e+00	1e-01	4e-02	2e-15	3e-03
4:	5.9996e+00	5.9996e+00	1e-03	4e-04	5e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0960e+00	4.0959e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8388e+00	5.8388e+00	1e+00	3e-01	3e-15	3e-02
3:	5.9979e+00	5.9979e+00	1e-02	4e-03	6e-16	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9387e+00	3.9407e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8597e+00	5.8600e+00	9e-01	3e-01	3e-15	2e-02
3:	5.9985e+00	5.9985e+00	9e-03	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	9e-07	3e-07	1e-15	2e-08
6:	6.0000e+00	6.0000e+00	9e-09	3e-09	9e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3494e+00	4.3517e+00	6e+00	2e+00	3e-16	1e-01
2:	5.8393e+00	5.8396e+00	8e-01	2e-01	1e-15	2e-02
3:	5.9982e+00	5.9982e+00	9e-03	3e-03	9e-16	2e-04
4:	6.0000e+00	6.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	6.0000e+00	6.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6450e+00	3.6487e+00	6e+00	2e+00	3e-16	1e-01
2:	5.6389e+00	5.6403e+00	2e+00	6e-01	9e-16	4e-02
3:	5.9533e+00	5.9536e+00	2e-01	6e-02	2e-15	4e-03
4:	5.9995e+00	5.9995e+00	2e-03	6e-04	5e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2088e+00	3.2111e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6725e+00	5.6734e+00	2e+00	6e-01	1e-15	4e-02
3:	5.9541e+00	5.9543e+00	1e-01	5e-02	2e-15	4e-03
4:	5.9995e+00	5.9995e+00	2e-03	5e-04	5e-16	4e-05
5:	6.0000e+00	6.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	6.0000e+00	6.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5995e+00	3.6021e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7282e+00	5.7291e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9849e+00	5.9850e+00	6e-02	2e-02	2e-15	1e-03
4:	5.9998e+00	5.9998e+00	6e-04	2e-04	4e-16	1e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	9e-16	1e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9962e+00	3.9969e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7192e+00	5.7194e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9962e+00	5.9962e+00	2e-02	6e-03	9e-16	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	9e-16	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5565e+00	4.5584e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9399e+00	5.9400e+00	3e-01	9e-02	2e-15	7e-03
3:	5.9994e+00	5.9994e+00	3e-03	9e-04	2e-15	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	9e-06	1e-15	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6820e+00	3.6871e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8534e+00	5.8544e+00	1e+00	4e-01	7e-16	3e-02
3:	5.9976e+00	5.9976e+00	2e-02	5e-03	7e-16	3e-04

4:	6.0000e+00	6.0000e+00	2e-04	5e-05	7e-16	3e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	6e-16	3e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1199e+00	4.1250e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5791e+00	6.5808e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9728e+00	6.9730e+00	1e-01	3e-02	2e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	3e-16	2e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	3e-16	2e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9102e+00	3.9080e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4162e+00	6.4153e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9388e+00	6.9384e+00	4e-01	1e-01	3e-15	1e-02
4:	6.9977e+00	6.9977e+00	9e-03	3e-03	4e-15	2e-04
5:	7.0000e+00	7.0000e+00	9e-05	3e-05	2e-15	2e-06
6:	7.0000e+00	7.0000e+00	9e-07	3e-07	1e-15	2e-08
7:	7.0000e+00	7.0000e+00	9e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5196e+00	4.5242e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5920e+00	6.5936e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9842e+00	6.9843e+00	6e-02	2e-02	2e-15	1e-03
4:	6.9998e+00	6.9998e+00	6e-04	2e-04	4e-16	1e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2960e+00	4.2988e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6189e+00	6.6199e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9900e+00	6.9900e+00	4e-02	1e-02	2e-15	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	6e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7675e+00	3.7666e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4471e+00	6.4467e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9507e+00	6.9506e+00	3e-01	1e-01	2e-15	9e-03
4:	6.9982e+00	6.9982e+00	7e-03	2e-03	4e-15	2e-04
5:	7.0000e+00	7.0000e+00	7e-05	2e-05	2e-15	2e-06



6: 7.0000e+00 7.0000e+00 7e-07 2e-07 2e-15 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8125e+00	3.8118e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5450e+00	6.5448e+00	1e+00	5e-01	1e-15	4e-02
3:	6.9248e+00	6.9247e+00	4e-01	1e-01	2e-15	1e-02
4:	6.9981e+00	6.9981e+00	7e-03	2e-03	2e-15	2e-04
5:	7.0000e+00	7.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	7.0000e+00	7.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7217e+00	4.7277e+00	6e+00	2e+00	4e-16	1e-01
2:	6.7358e+00	6.7373e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9938e+00	6.9938e+00	2e-02	7e-03	2e-15	5e-04
4:	6.9999e+00	6.9999e+00	2e-04	7e-05	1e-15	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	9e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9709e+00	4.9731e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8198e+00	6.8201e+00	8e-01	2e-01	3e-15	2e-02
3:	6.9981e+00	6.9981e+00	8e-03	3e-03	2e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4974e+00	4.5000e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7157e+00	6.7164e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9955e+00	6.9956e+00	2e-02	6e-03	1e-15	4e-04
4:	7.0000e+00	7.0000e+00	2e-04	6e-05	1e-15	4e-06
5:	7.0000e+00	7.0000e+00	2e-06	6e-07	1e-15	4e-08
6:	7.0000e+00	7.0000e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1580e+00	5.1591e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9207e+00	6.9208e+00	3e-01	1e-01	2e-15	8e-03
3:	6.9992e+00	6.9992e+00	3e-03	1e-03	1e-15	8e-05
4:	7.0000e+00	7.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	7.0000e+00	7.0000e+00	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8306e+00	3.8321e+00	7e+00	2e+00	2e-16	2e-01

2:	6.7558e+00	6.7562e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9691e+00	6.9692e+00	1e-01	3e-02	3e-15	2e-03
4:	6.9997e+00	6.9997e+00	1e-03	3e-04	5e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6097e+00	4.6094e+00	6e+00	2e+00	2e-16	2e-01
2:	6.5929e+00	6.5928e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9915e+00	6.9915e+00	4e-02	1e-02	2e-15	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	5e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	7e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2758e+00	4.2824e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7055e+00	6.7074e+00	1e+00	5e-01	2e-15	3e-02
3:	6.9884e+00	6.9885e+00	4e-02	1e-02	3e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	8e-16	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9271e+00	3.9288e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4909e+00	6.4915e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9323e+00	6.9324e+00	4e-01	1e-01	7e-16	9e-03
4:	6.9612e+00	6.9614e+00	1e-01	3e-02	5e-15	3e-03
5:	6.9996e+00	6.9996e+00	1e-03	4e-04	5e-16	3e-05
6:	7.0000e+00	7.0000e+00	1e-05	4e-06	7e-16	3e-07
7:	7.0000e+00	7.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1898e+00	3.1944e+00	7e+00	2e+00	3e-16	2e-01
2:	6.2309e+00	6.2323e+00	1e+00	4e-01	2e-15	3e-02
3:	6.6544e+00	6.6548e+00	3e-01	1e-01	2e-15	8e-03
4:	6.7414e+00	6.7415e+00	9e-02	3e-02	2e-15	2e-03
5:	6.7750e+00	6.7750e+00	2e-02	6e-03	1e-15	4e-04
6:	6.7830e+00	6.7830e+00	3e-03	1e-03	6e-16	8e-05
7:	6.7842e+00	6.7842e+00	4e-04	1e-04	1e-14	1e-05
8:	6.7844e+00	6.7844e+00	4e-06	1e-06	9e-16	1e-07
9:	6.7844e+00	6.7844e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.7885e+00	4.7917e+00	6e+00	2e+00	3e-16	1e-01
2:	6.6334e+00	6.6344e+00	2e+00	5e-01	8e-16	4e-02
3:	6.9830e+00	6.9831e+00	6e-02	2e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	7.0000e+00	7.0000e+00	6e-06	2e-06	6e-16	2e-07
6:	7.0000e+00	7.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1292e+00	4.1310e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6520e+00	6.6527e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9090e+00	6.9092e+00	2e-01	8e-02	3e-15	6e-03
4:	6.9990e+00	6.9991e+00	3e-03	9e-04	4e-16	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	8e-16	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8421e+00	3.8446e+00	6e+00	2e+00	2e-16	2e-01
2:	6.4931e+00	6.4940e+00	2e+00	6e-01	9e-16	5e-02
3:	6.9235e+00	6.9239e+00	3e-01	8e-02	4e-15	6e-03
4:	6.9992e+00	6.9992e+00	3e-03	9e-04	4e-16	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6686e+00	4.6675e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7020e+00	6.7017e+00	1e+00	4e-01	3e-15	3e-02
3:	6.9952e+00	6.9952e+00	2e-02	7e-03	1e-15	6e-04
4:	7.0000e+00	7.0000e+00	2e-04	7e-05	1e-15	6e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	1e-15	6e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3240e+00	4.3241e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7313e+00	6.7313e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9902e+00	6.9902e+00	4e-02	1e-02	2e-15	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	5e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	8e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0251e+00	4.0279e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4341e+00	6.4353e+00	2e+00	6e-01	2e-15	5e-02
3:	6.9205e+00	6.9208e+00	4e-01	1e-01	3e-15	1e-02

4:	6.9985e+00	6.9985e+00	7e-03	2e-03	2e-15	2e-04
5:	7.0000e+00	7.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	7.0000e+00	7.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8321e+00	4.8343e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7831e+00	6.7836e+00	1e+00	3e-01	1e-15	3e-02
3:	6.9975e+00	6.9976e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	7.0000e+00	7.0000e+00	1e-08	4e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1284e+00	5.1302e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9035e+00	6.9037e+00	4e-01	1e-01	2e-15	1e-02
3:	6.9990e+00	6.9990e+00	4e-03	1e-03	9e-16	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	9e-16	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9156e+00	4.9186e+00	7e+00	2e+00	4e-16	2e-01
2:	6.9105e+00	6.9107e+00	4e-01	1e-01	2e-15	1e-02
3:	6.9991e+00	6.9991e+00	4e-03	1e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	8e-16	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6721e+00	4.6744e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8911e+00	6.8914e+00	6e-01	2e-01	2e-15	2e-02
3:	6.9989e+00	6.9989e+00	7e-03	2e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2822e+00	4.2860e+00	7e+00	2e+00	3e-16	2e-01
2:	6.3330e+00	6.3343e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9296e+00	6.9302e+00	4e-01	1e-01	2e-15	1e-02
4:	6.9979e+00	6.9979e+00	9e-03	3e-03	1e-15	2e-04
5:	7.0000e+00	7.0000e+00	9e-05	3e-05	1e-15	2e-06
6:	7.0000e+00	7.0000e+00	9e-07	3e-07	1e-15	2e-08
7:	7.0000e+00	7.0000e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3209e+00	4.3208e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7727e+00	6.7727e+00	1e+00	3e-01	1e-15	2e-02
3:	6.9760e+00	6.9760e+00	8e-02	3e-02	6e-15	2e-03
4:	6.9998e+00	6.9998e+00	8e-04	3e-04	5e-16	2e-05
5:	7.0000e+00	7.0000e+00	8e-06	3e-06	1e-15	2e-07
6:	7.0000e+00	7.0000e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3342e+00	4.3365e+00	6e+00	2e+00	3e-16	2e-01
2:	6.4877e+00	6.4888e+00	2e+00	7e-01	8e-16	5e-02
3:	6.9556e+00	6.9558e+00	2e-01	5e-02	3e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	5e-04	3e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8388e+00	3.8373e+00	6e+00	2e+00	3e-16	2e-01
2:	6.5946e+00	6.5941e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9385e+00	6.9381e+00	3e-01	9e-02	4e-15	7e-03
4:	6.9993e+00	6.9993e+00	4e-03	1e-03	2e-15	1e-04
5:	7.0000e+00	7.0000e+00	4e-05	1e-05	1e-15	1e-06
6:	7.0000e+00	7.0000e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2834e+00	4.2905e+00	7e+00	2e+00	2e-16	1e-01
2:	6.7009e+00	6.7029e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9551e+00	6.9555e+00	1e-01	5e-02	3e-15	4e-03
4:	6.9995e+00	6.9995e+00	1e-03	5e-04	4e-16	4e-05
5:	7.0000e+00	7.0000e+00	1e-05	5e-06	5e-16	4e-07
6:	7.0000e+00	7.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0361e+00	4.0386e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6311e+00	6.6319e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9645e+00	6.9647e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9996e+00	6.9996e+00	1e-03	4e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4113e+00	3.4107e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8804e+00	5.8802e+00	1e+00	4e-01	1e-15	3e-02

3:	6.3747e+00	6.3747e+00	2e-01	7e-02	2e-15	6e-03
4:	6.4926e+00	6.4926e+00	4e-02	1e-02	1e-15	9e-04
5:	6.5112e+00	6.5112e+00	1e-03	5e-04	1e-15	4e-05
6:	6.5119e+00	6.5119e+00	1e-05	5e-06	1e-15	4e-07
7:	6.5119e+00	6.5119e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7647e+00	3.7662e+00	7e+00	2e+00	2e-16	2e-01
2:	6.3460e+00	6.3468e+00	2e+00	7e-01	2e-15	6e-02
3:	6.9634e+00	6.9636e+00	2e-01	5e-02	2e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	5e-04	4e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2149e+00	5.2155e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9106e+00	6.9107e+00	4e-01	1e-01	3e-15	1e-02
3:	6.9991e+00	6.9991e+00	4e-03	1e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3110e+00	4.3142e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7766e+00	6.7774e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9743e+00	6.9744e+00	9e-02	3e-02	3e-15	2e-03
4:	6.9997e+00	6.9997e+00	9e-04	3e-04	5e-16	2e-05
5:	7.0000e+00	7.0000e+00	9e-06	3e-06	5e-16	2e-07
6:	7.0000e+00	7.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1210e+00	5.1229e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8763e+00	6.8765e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9987e+00	6.9987e+00	5e-03	2e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8938e+00	4.8958e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6222e+00	6.6228e+00	2e+00	5e-01	7e-16	4e-02
3:	6.9831e+00	6.9832e+00	7e-02	2e-02	1e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7058e+00	2.7060e+00	6e+00	2e+00	3e-16	2e-01
2:	5.2371e+00	5.2371e+00	1e+00	3e-01	2e-15	3e-02
3:	5.7293e+00	5.7293e+00	1e-01	4e-02	1e-15	3e-03
4:	5.7538e+00	5.7538e+00	4e-02	1e-02	2e-15	9e-04
5:	5.7674e+00	5.7674e+00	3e-03	9e-04	6e-16	7e-05
6:	5.7684e+00	5.7684e+00	3e-05	9e-06	7e-16	7e-07
7:	5.7684e+00	5.7684e+00	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7056e+00	4.7094e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6801e+00	6.6811e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9942e+00	6.9942e+00	2e-02	7e-03	2e-15	5e-04
4:	6.9999e+00	6.9999e+00	2e-04	7e-05	9e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	1e-15	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1989e+00	4.2010e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4270e+00	6.4279e+00	2e+00	7e-01	1e-15	5e-02
3:	6.9753e+00	6.9755e+00	1e-01	3e-02	1e-15	3e-03
4:	6.9998e+00	6.9998e+00	1e-03	3e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2365e+00	4.2380e+00	6e+00	2e+00	3e-16	1e-01
2:	6.4234e+00	6.4242e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9303e+00	6.9305e+00	2e-01	7e-02	2e-15	6e-03
4:	6.9993e+00	6.9993e+00	2e-03	7e-04	3e-16	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	7e-06	3e-16	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2412e+00	4.2477e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7008e+00	6.7025e+00	1e+00	5e-01	1e-15	3e-02
3:	6.9936e+00	6.9936e+00	3e-02	8e-03	1e-15	6e-04
4:	6.9999e+00	6.9999e+00	3e-04	8e-05	5e-16	6e-06
5:	7.0000e+00	7.0000e+00	3e-06	8e-07	7e-16	6e-08
6:	7.0000e+00	7.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7430e+00	4.7447e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6444e+00	6.6451e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9883e+00	6.9883e+00	5e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	5e-04	1e-04	5e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	1e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5582e+00	4.5606e+00	6e+00	2e+00	3e-16	1e-01
2:	6.5712e+00	6.5721e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9875e+00	6.9876e+00	5e-02	2e-02	1e-15	1e-03
4:	6.9999e+00	6.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6259e+00	4.6253e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8553e+00	6.8552e+00	8e-01	3e-01	2e-15	2e-02
3:	6.9981e+00	6.9981e+00	1e-02	3e-03	2e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1688e+00	4.1705e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6182e+00	6.6187e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9869e+00	6.9870e+00	5e-02	2e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4881e+00	3.4875e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8886e+00	5.8883e+00	2e+00	6e-01	1e-15	5e-02
3:	6.5065e+00	6.5064e+00	4e-01	1e-01	8e-16	9e-03
4:	6.6606e+00	6.6606e+00	9e-02	3e-02	2e-15	2e-03
5:	6.6997e+00	6.6997e+00	7e-03	2e-03	2e-15	2e-04
6:	6.7027e+00	6.7027e+00	8e-04	3e-04	2e-15	2e-05
7:	6.7030e+00	6.7030e+00	1e-04	5e-05	3e-15	4e-06
8:	6.7031e+00	6.7031e+00	6e-06	2e-06	3e-14	2e-07
9:	6.7031e+00	6.7031e+00	6e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	4.6627e+00	4.6641e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7689e+00	6.7693e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9965e+00	6.9965e+00	2e-02	5e-03	7e-16	4e-04
4:	7.0000e+00	7.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	7.0000e+00	7.0000e+00	2e-06	5e-07	8e-16	4e-08
6:	7.0000e+00	7.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1568e+00	5.1588e+00	6e+00	2e+00	2e-16	1e-01
2:	6.9016e+00	6.9018e+00	4e-01	1e-01	2e-15	1e-02
3:	6.9990e+00	6.9990e+00	4e-03	1e-03	9e-16	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3518e+00	4.3548e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5592e+00	6.5604e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9831e+00	6.9832e+00	7e-02	2e-02	2e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9203e+00	4.9263e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7439e+00	7.7453e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9919e+00	7.9919e+00	3e-02	9e-03	2e-15	6e-04
4:	7.9999e+00	7.9999e+00	3e-04	9e-05	9e-16	6e-06
5:	8.0000e+00	8.0000e+00	3e-06	9e-07	9e-16	6e-08
6:	8.0000e+00	8.0000e+00	3e-08	9e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0301e+00	4.0332e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6553e+00	6.6567e+00	2e+00	6e-01	1e-15	5e-02
3:	7.4050e+00	7.4052e+00	3e-01	1e-01	6e-16	8e-03
4:	7.5804e+00	7.5805e+00	4e-02	1e-02	1e-15	1e-03
5:	7.6009e+00	7.6009e+00	1e-03	4e-04	2e-15	3e-05
6:	7.6014e+00	7.6014e+00	1e-05	4e-06	7e-16	3e-07
7:	7.6014e+00	7.6014e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5331e+00	4.5341e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1481e+00	7.1484e+00	1e+00	4e-01	8e-16	3e-02
3:	7.9026e+00	7.9026e+00	1e-01	4e-02	2e-15	3e-03

4:	7.9710e+00	7.9710e+00	1e-02	4e-03	6e-15	3e-04
5:	7.9759e+00	7.9759e+00	2e-03	7e-04	2e-14	6e-05
6:	7.9770e+00	7.9770e+00	5e-05	2e-05	2e-14	1e-06
7:	7.9770e+00	7.9770e+00	5e-07	2e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6999e+00	5.7016e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8653e+00	7.8655e+00	6e-01	2e-01	2e-15	1e-02
3:	7.9986e+00	7.9986e+00	6e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	6e-05	2e-05	8e-16	1e-06
5:	8.0000e+00	8.0000e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8553e+00	4.8601e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7115e+00	7.7130e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9365e+00	7.9369e+00	2e-01	6e-02	3e-15	4e-03
4:	7.9993e+00	7.9993e+00	2e-03	6e-04	4e-16	4e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	5e-16	4e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7953e+00	4.8034e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6772e+00	7.6791e+00	1e+00	4e-01	3e-15	3e-02
3:	7.9919e+00	7.9920e+00	3e-02	9e-03	2e-15	6e-04
4:	7.9999e+00	7.9999e+00	3e-04	9e-05	1e-15	6e-06
5:	8.0000e+00	8.0000e+00	3e-06	9e-07	1e-15	6e-08
6:	8.0000e+00	8.0000e+00	3e-08	9e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8301e+00	4.8332e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6150e+00	7.6161e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9794e+00	7.9795e+00	7e-02	2e-02	3e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	6e-16	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	6e-16	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6091e+00	4.6183e+00	7e+00	2e+00	2e-16	2e-01
2:	7.2334e+00	7.2359e+00	1e+00	4e-01	1e-15	3e-02
3:	7.6779e+00	7.6786e+00	3e-01	1e-01	1e-15	7e-03
4:	7.8027e+00	7.8029e+00	7e-02	2e-02	2e-15	2e-03
5:	7.8289e+00	7.8289e+00	9e-03	3e-03	3e-15	2e-04
6:	7.8321e+00	7.8321e+00	7e-04	2e-04	6e-15	2e-05

7:	7.8324e+00	7.8324e+00	2e-04	7e-05	3e-15	5e-06
8:	7.8325e+00	7.8325e+00	2e-06	8e-07	4e-15	6e-08
9:	7.8325e+00	7.8325e+00	2e-08	8e-09	6e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4121e+00	2.4093e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6633e+00	4.6623e+00	1e+00	3e-01	2e-15	3e-02
3:	5.0576e+00	5.0573e+00	3e-01	9e-02	9e-16	8e-03
4:	5.1927e+00	5.1926e+00	6e-02	2e-02	7e-16	2e-03
5:	5.2098e+00	5.2097e+00	2e-02	7e-03	2e-15	6e-04
6:	5.2194e+00	5.2194e+00	3e-04	9e-05	8e-16	8e-06
7:	5.2195e+00	5.2195e+00	3e-06	9e-07	7e-16	8e-08
8:	5.2195e+00	5.2195e+00	3e-08	9e-09	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1067e+00	5.1091e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6889e+00	7.6898e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9809e+00	7.9810e+00	7e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	9e-16	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	8e-16	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5268e+00	5.5286e+00	6e+00	2e+00	3e-16	1e-01
2:	7.5060e+00	7.5066e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9652e+00	7.9653e+00	1e-01	4e-02	2e-15	3e-03
4:	7.9996e+00	7.9996e+00	1e-03	4e-04	3e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6232e+00	5.6257e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8149e+00	7.8152e+00	7e-01	2e-01	2e-15	2e-02
3:	7.9979e+00	7.9979e+00	8e-03	3e-03	7e-16	2e-04
4:	8.0000e+00	8.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8064e+00	4.8072e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5520e+00	7.5523e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9337e+00	7.9338e+00	3e-01	9e-02	3e-15	7e-03
4:	7.9985e+00	7.9985e+00	5e-03	2e-03	2e-15	1e-04
5:	8.0000e+00	8.0000e+00	5e-05	2e-05	2e-15	1e-06

6: 8.0000e+00 8.0000e+00 5e-07 2e-07 2e-15 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6875e+00	4.6907e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6690e+00	7.6701e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9837e+00	7.9838e+00	5e-02	2e-02	3e-15	1e-03
4:	7.9998e+00	7.9998e+00	5e-04	2e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	8.0000e+00	8.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8008e+00	4.8008e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5172e+00	7.5172e+00	2e+00	5e-01	3e-15	4e-02
3:	7.9817e+00	7.9817e+00	8e-02	3e-02	3e-15	2e-03
4:	7.9998e+00	7.9998e+00	8e-04	3e-04	1e-15	2e-05
5:	8.0000e+00	8.0000e+00	8e-06	3e-06	2e-15	2e-07
6:	8.0000e+00	8.0000e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6484e+00	4.6524e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5906e+00	7.5919e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9545e+00	7.9547e+00	1e-01	4e-02	2e-15	3e-03
4:	7.9995e+00	7.9995e+00	1e-03	4e-04	7e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4265e+00	4.4293e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2195e+00	7.2208e+00	2e+00	7e-01	2e-15	5e-02
3:	7.9367e+00	7.9371e+00	3e-01	1e-01	2e-15	7e-03
4:	7.9993e+00	7.9993e+00	3e-03	1e-03	9e-16	8e-05
5:	8.0000e+00	8.0000e+00	3e-05	1e-05	1e-15	8e-07
6:	8.0000e+00	8.0000e+00	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0403e+00	5.0426e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5103e+00	7.5111e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9762e+00	7.9762e+00	7e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	6e-16	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4790e+00	5.4809e+00	6e+00	2e+00	2e-16	1e-01
2:	7.5465e+00	7.5472e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9382e+00	7.9385e+00	2e-01	7e-02	2e-15	5e-03
4:	7.9994e+00	7.9994e+00	2e-03	7e-04	4e-16	5e-05
5:	8.0000e+00	8.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	8.0000e+00	8.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1511e+00	4.1522e+00	7e+00	2e+00	4e-16	2e-01
2:	6.9844e+00	6.9846e+00	9e-01	3e-01	2e-15	2e-02
3:	7.4081e+00	7.4082e+00	1e-01	5e-02	7e-16	4e-03
4:	7.4675e+00	7.4675e+00	3e-02	9e-03	8e-16	7e-04
5:	7.4788e+00	7.4788e+00	7e-04	2e-04	2e-15	2e-05
6:	7.4791e+00	7.4791e+00	7e-06	2e-06	8e-16	2e-07
7:	7.4791e+00	7.4791e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8525e+00	4.8585e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4038e+00	7.4061e+00	2e+00	6e-01	3e-15	4e-02
3:	7.9415e+00	7.9420e+00	3e-01	9e-02	3e-15	7e-03
4:	7.9987e+00	7.9987e+00	5e-03	2e-03	3e-15	1e-04
5:	8.0000e+00	8.0000e+00	5e-05	2e-05	2e-15	1e-06
6:	8.0000e+00	8.0000e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3523e+00	5.3540e+00	6e+00	2e+00	2e-16	2e-01
2:	7.6049e+00	7.6054e+00	1e+00	5e-01	2e-15	4e-02
3:	7.9893e+00	7.9893e+00	4e-02	1e-02	2e-15	9e-04
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	7e-16	9e-08
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2902e+00	5.2921e+00	7e+00	2e+00	4e-16	2e-01
2:	7.6894e+00	7.6900e+00	1e+00	5e-01	2e-15	4e-02
3:	7.9868e+00	7.9868e+00	5e-02	1e-02	2e-15	1e-03
4:	7.9999e+00	7.9999e+00	5e-04	1e-04	7e-16	1e-05
5:	8.0000e+00	8.0000e+00	5e-06	1e-06	6e-16	1e-07
6:	8.0000e+00	8.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4980e+00	4.4981e+00	6e+00	2e+00	2e-16	2e-01

2:	7.5421e+00	7.5421e+00	1e+00	5e-01	3e-15	4e-02
3:	7.9591e+00	7.9591e+00	2e-01	6e-02	4e-15	5e-03
4:	7.9996e+00	7.9996e+00	2e-03	6e-04	8e-16	5e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	8e-16	5e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8173e+00	4.8217e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5333e+00	7.5349e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9491e+00	7.9494e+00	2e-01	6e-02	2e-15	4e-03
4:	7.9995e+00	7.9995e+00	2e-03	6e-04	1e-15	5e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	9e-16	5e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8631e+00	2.8654e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7324e+00	5.7331e+00	1e+00	4e-01	1e-15	3e-02
3:	6.2273e+00	6.2275e+00	2e-01	6e-02	1e-15	5e-03
4:	6.3231e+00	6.3231e+00	2e-02	8e-03	1e-15	6e-04
5:	6.3336e+00	6.3336e+00	7e-04	2e-04	2e-15	2e-05
6:	6.3339e+00	6.3339e+00	7e-06	2e-06	9e-16	2e-07
7:	6.3339e+00	6.3339e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3607e+00	5.3619e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5677e+00	7.5681e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9919e+00	7.9919e+00	3e-02	1e-02	1e-15	8e-04
4:	7.9999e+00	7.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	8.0000e+00	8.0000e+00	3e-06	1e-06	8e-16	8e-08
6:	8.0000e+00	8.0000e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3363e+00	3.3338e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0221e+00	6.0209e+00	1e+00	5e-01	9e-16	4e-02
3:	6.5600e+00	6.5597e+00	4e-01	1e-01	8e-16	9e-03
4:	6.7126e+00	6.7125e+00	8e-02	3e-02	2e-15	2e-03
5:	6.7454e+00	6.7453e+00	2e-02	6e-03	5e-15	5e-04
6:	6.7541e+00	6.7541e+00	5e-04	2e-04	2e-15	1e-05
7:	6.7543e+00	6.7543e+00	5e-06	2e-06	1e-15	1e-07
8:	6.7543e+00	6.7543e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6356e+00	3.6393e+00	7e+00	2e+00	2e-16	2e-01

2:	6.6709e+00	6.6720e+00	1e+00	5e-01	1e-15	3e-02
3:	7.1333e+00	7.1340e+00	6e-01	2e-01	8e-16	2e-02
4:	7.3645e+00	7.3647e+00	9e-02	3e-02	9e-16	2e-03
5:	7.4000e+00	7.4000e+00	3e-03	1e-03	2e-15	8e-05
6:	7.4013e+00	7.4013e+00	4e-05	1e-05	4e-15	8e-07
7:	7.4013e+00	7.4013e+00	4e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1974e+00	4.1995e+00	6e+00	2e+00	2e-16	2e-01
2:	7.5019e+00	7.5026e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9464e+00	7.9466e+00	3e-01	9e-02	3e-15	7e-03
4:	7.9990e+00	7.9990e+00	4e-03	1e-03	3e-15	1e-04
5:	8.0000e+00	8.0000e+00	4e-05	1e-05	3e-15	1e-06
6:	8.0000e+00	8.0000e+00	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2401e+00	3.2379e+00	6e+00	2e+00	5e-16	2e-01
2:	6.3334e+00	6.3326e+00	1e+00	3e-01	2e-15	3e-02
3:	6.7703e+00	6.7702e+00	1e-01	4e-02	2e-15	3e-03
4:	6.8240e+00	6.8240e+00	1e-02	5e-03	2e-15	4e-04
5:	6.8314e+00	6.8314e+00	3e-04	8e-05	2e-15	7e-06
6:	6.8316e+00	6.8316e+00	3e-06	8e-07	1e-15	7e-08
7:	6.8316e+00	6.8316e+00	3e-08	8e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4303e+00	5.4310e+00	6e+00	2e+00	2e-16	2e-01
2:	7.6739e+00	7.6741e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9952e+00	7.9952e+00	2e-02	6e-03	1e-15	4e-04
4:	8.0000e+00	8.0000e+00	2e-04	6e-05	9e-16	4e-06
5:	8.0000e+00	8.0000e+00	2e-06	6e-07	9e-16	4e-08
6:	8.0000e+00	8.0000e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5831e+00	5.5871e+00	6e+00	2e+00	3e-16	1e-01
2:	7.7836e+00	7.7843e+00	9e-01	3e-01	2e-15	2e-02
3:	7.9969e+00	7.9969e+00	1e-02	4e-03	2e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	2e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0705e+00	5.0756e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3812e+00	7.3824e+00	1e+00	4e-01	2e-15	3e-02
3:	7.8838e+00	7.8843e+00	5e-01	1e-01	1e-15	1e-02

4:	7.9849e+00	7.9850e+00	5e-02	2e-02	3e-15	1e-03
5:	7.9998e+00	7.9998e+00	5e-04	2e-04	4e-16	1e-05
6:	8.0000e+00	8.0000e+00	5e-06	2e-06	5e-16	1e-07
7:	8.0000e+00	8.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2210e+00	5.2241e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6433e+00	7.6441e+00	1e+00	4e-01	3e-15	3e-02
3:	7.9913e+00	7.9914e+00	3e-02	1e-02	2e-15	8e-04
4:	7.9999e+00	7.9999e+00	3e-04	1e-04	6e-16	8e-06
5:	8.0000e+00	8.0000e+00	3e-06	1e-06	8e-16	8e-08
6:	8.0000e+00	8.0000e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6599e+00	4.6691e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7699e+00	7.7719e+00	1e+00	3e-01	1e-15	2e-02
3:	7.9568e+00	7.9573e+00	1e-01	4e-02	4e-15	3e-03
4:	7.9996e+00	7.9996e+00	1e-03	5e-04	6e-16	4e-05
5:	8.0000e+00	8.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	8.0000e+00	8.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.2780e+00	4.2874e+00	8e+00	3e+00	3e-16	2e-01
2:	7.6214e+00	7.6234e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9405e+00	7.9412e+00	2e-01	5e-02	4e-15	4e-03
4:	7.9994e+00	7.9994e+00	2e-03	5e-04	5e-16	4e-05
5:	8.0000e+00	8.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	8.0000e+00	8.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6075e+00	4.6116e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5493e+00	7.5506e+00	1e+00	5e-01	9e-16	3e-02
3:	7.9344e+00	7.9347e+00	3e-01	1e-01	1e-15	8e-03
4:	7.9984e+00	7.9984e+00	6e-03	2e-03	4e-15	2e-04
5:	8.0000e+00	8.0000e+00	6e-05	2e-05	2e-15	2e-06
6:	8.0000e+00	8.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1402e+00	4.1454e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1139e+00	7.1154e+00	2e+00	5e-01	1e-15	4e-02
3:	7.6796e+00	7.6802e+00	5e-01	2e-01	2e-15	1e-02
4:	7.8484e+00	7.8485e+00	9e-02	3e-02	2e-15	2e-03
5:	7.8921e+00	7.8921e+00	2e-03	7e-04	1e-15	5e-05



6:	7.8929e+00	7.8929e+00	2e-04	7e-05	3e-15	5e-06
7:	7.8930e+00	7.8930e+00	6e-06	2e-06	3e-15	1e-07
8:	7.8930e+00	7.8930e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7305e+00	5.7323e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8888e+00	7.8889e+00	4e-01	1e-01	2e-15	1e-02
3:	7.9989e+00	7.9989e+00	4e-03	1e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0800e+00	4.0851e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4739e+00	7.4753e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9077e+00	7.9082e+00	4e-01	1e-01	2e-15	1e-02
4:	7.9727e+00	7.9729e+00	7e-02	2e-02	1e-14	2e-03
5:	7.9997e+00	7.9997e+00	8e-04	3e-04	8e-16	2e-05
6:	8.0000e+00	8.0000e+00	8e-06	3e-06	8e-16	2e-07
7:	8.0000e+00	8.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1745e+00	5.1803e+00	7e+00	2e+00	4e-16	2e-01
2:	7.7212e+00	7.7222e+00	1e+00	3e-01	2e-15	3e-02
3:	7.9960e+00	7.9960e+00	1e-02	5e-03	8e-16	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	5e-05	9e-16	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	5e-07	6e-16	3e-08
6:	8.0000e+00	8.0000e+00	1e-08	5e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7032e+00	5.7054e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8613e+00	7.8615e+00	5e-01	2e-01	2e-15	1e-02
3:	7.9986e+00	7.9986e+00	5e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	2e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9060e+00	5.9081e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8600e+00	7.8603e+00	5e-01	2e-01	4e-15	1e-02
3:	7.9985e+00	7.9985e+00	5e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6583e+00	3.6630e+00	7e+00	2e+00	4e-16	2e-01
2:	6.9154e+00	6.9170e+00	2e+00	5e-01	2e-15	4e-02
3:	7.6012e+00	7.6015e+00	3e-01	9e-02	8e-16	7e-03
4:	7.6927e+00	7.6928e+00	4e-02	1e-02	2e-15	1e-03
5:	7.7106e+00	7.7106e+00	4e-03	1e-03	5e-15	1e-04
6:	7.7128e+00	7.7128e+00	5e-05	1e-05	8e-16	1e-06
7:	7.7128e+00	7.7128e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0287e+00	5.0313e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4367e+00	7.4378e+00	2e+00	7e-01	2e-15	5e-02
3:	7.9733e+00	7.9734e+00	9e-02	3e-02	2e-15	2e-03
4:	7.9997e+00	7.9997e+00	9e-04	3e-04	5e-16	2e-05
5:	8.0000e+00	8.0000e+00	9e-06	3e-06	3e-16	2e-07
6:	8.0000e+00	8.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4837e+00	4.4875e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5540e+00	7.5555e+00	2e+00	6e-01	1e-15	5e-02
3:	7.9532e+00	7.9535e+00	1e-01	5e-02	2e-15	4e-03
4:	7.9995e+00	7.9995e+00	1e-03	5e-04	5e-16	4e-05
5:	8.0000e+00	8.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	8.0000e+00	8.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1924e+00	5.1958e+00	7e+00	2e+00	2e-16	2e-01
2:	7.5941e+00	7.5952e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9840e+00	7.9841e+00	5e-02	2e-02	1e-15	1e-03
4:	7.9998e+00	7.9998e+00	5e-04	2e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	8.0000e+00	8.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5691e+00	5.5720e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7537e+00	7.7543e+00	1e+00	3e-01	2e-15	2e-02
3:	7.9964e+00	7.9964e+00	1e-02	4e-03	2e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	2e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7848e+00	4.7884e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7797e+00	7.7805e+00	1e+00	4e-01	2e-15	3e-02

3:	7.9921e+00	7.9921e+00	3e-02	9e-03	2e-15	7e-04
4:	7.9999e+00	7.9999e+00	3e-04	9e-05	9e-16	7e-06
5:	8.0000e+00	8.0000e+00	3e-06	9e-07	7e-16	7e-08
6:	8.0000e+00	8.0000e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3056e+00	6.3071e+00	6e+00	2e+00	3e-16	1e-01
2:	8.3294e+00	8.3301e+00	2e+00	6e-01	2e-15	5e-02
3:	8.9800e+00	8.9801e+00	8e-02	3e-02	1e-15	2e-03
4:	8.9998e+00	8.9998e+00	8e-04	3e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	9.0000e+00	9.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2871e+00	6.2922e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6378e+00	8.6389e+00	9e-01	3e-01	2e-15	2e-02
3:	8.9717e+00	8.9719e+00	1e-01	3e-02	5e-15	2e-03
4:	8.9997e+00	8.9997e+00	1e-03	3e-04	7e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	3e-06	1e-15	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4726e+00	6.4750e+00	6e+00	2e+00	3e-16	2e-01
2:	8.7750e+00	8.7754e+00	8e-01	3e-01	2e-15	2e-02
3:	8.9973e+00	8.9973e+00	9e-03	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	9e-07	3e-07	1e-15	2e-08
6:	9.0000e+00	9.0000e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2265e+00	5.2326e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5966e+00	8.5982e+00	1e+00	5e-01	8e-16	3e-02
3:	8.9549e+00	8.9552e+00	1e-01	4e-02	5e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	5e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3402e+00	5.3454e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3486e+00	8.3505e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9424e+00	8.9428e+00	3e-01	9e-02	2e-15	6e-03
4:	8.9987e+00	8.9987e+00	4e-03	1e-03	3e-15	1e-04
5:	9.0000e+00	9.0000e+00	5e-05	1e-05	1e-15	1e-06

6: 9.0000e+00 9.0000e+00 5e-07 1e-07 2e-15 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2495e+00	6.2525e+00	6e+00	2e+00	2e-16	1e-01
2:	8.6686e+00	8.6693e+00	1e+00	3e-01	4e-15	3e-02
3:	8.9727e+00	8.9728e+00	8e-02	2e-02	3e-15	2e-03
4:	8.9997e+00	8.9997e+00	8e-04	3e-04	4e-16	2e-05
5:	9.0000e+00	9.0000e+00	8e-06	3e-06	7e-16	2e-07
6:	9.0000e+00	9.0000e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1981e+00	5.2034e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7327e+00	7.7342e+00	1e+00	4e-01	2e-15	3e-02
3:	8.3775e+00	8.3779e+00	2e-01	7e-02	6e-16	5e-03
4:	8.4767e+00	8.4768e+00	2e-02	6e-03	1e-15	5e-04
5:	8.4857e+00	8.4857e+00	2e-04	7e-05	2e-15	6e-06
6:	8.4858e+00	8.4858e+00	2e-06	7e-07	2e-15	6e-08
7:	8.4858e+00	8.4858e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2217e+00	5.2238e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0265e+00	8.0273e+00	2e+00	5e-01	2e-15	4e-02
3:	8.7889e+00	8.7892e+00	4e-01	1e-01	1e-15	1e-02
4:	8.9571e+00	8.9571e+00	1e-01	4e-02	2e-15	3e-03
5:	8.9926e+00	8.9926e+00	2e-02	6e-03	3e-14	5e-04
6:	8.9999e+00	8.9999e+00	2e-04	7e-05	5e-15	6e-06
7:	9.0000e+00	9.0000e+00	2e-06	7e-07	4e-15	6e-08
8:	9.0000e+00	9.0000e+00	2e-08	7e-09	8e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5841e+00	4.5870e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6184e+00	8.6193e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9175e+00	8.9178e+00	3e-01	1e-01	3e-15	8e-03
4:	8.9981e+00	8.9982e+00	6e-03	2e-03	5e-15	1e-04
5:	9.0000e+00	9.0000e+00	6e-05	2e-05	2e-15	1e-06
6:	9.0000e+00	9.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7108e+00	6.7126e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7477e+00	8.7480e+00	8e-01	3e-01	3e-15	2e-02
3:	8.9959e+00	8.9959e+00	1e-02	4e-03	2e-15	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	4e-05	2e-15	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8543e+00	4.8679e+00	8e+00	3e+00	2e-16	2e-01
2:	7.8168e+00	7.8201e+00	1e+00	4e-01	2e-15	3e-02
3:	8.2511e+00	8.2528e+00	5e-01	2e-01	8e-16	1e-02
4:	8.4084e+00	8.4088e+00	8e-02	3e-02	1e-15	2e-03
5:	8.4349e+00	8.4351e+00	3e-02	8e-03	6e-16	6e-04
6:	8.4441e+00	8.4441e+00	7e-04	2e-04	6e-16	2e-05
7:	8.4444e+00	8.4444e+00	7e-06	2e-06	6e-16	2e-07
8:	8.4444e+00	8.4444e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1375e+00	5.1442e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7660e+00	8.7677e+00	1e+00	3e-01	2e-15	3e-02
3:	8.9447e+00	8.9451e+00	1e-01	5e-02	4e-15	4e-03
4:	8.9994e+00	8.9994e+00	2e-03	5e-04	7e-16	4e-05
5:	9.0000e+00	9.0000e+00	2e-05	5e-06	7e-16	4e-07
6:	9.0000e+00	9.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.0797e+00	4.0897e+00	8e+00	2e+00	4e-16	2e-01
2:	7.7166e+00	7.7189e+00	1e+00	4e-01	1e-15	3e-02
3:	8.0232e+00	8.0240e+00	3e-01	1e-01	1e-15	8e-03
4:	8.1728e+00	8.1730e+00	7e-02	2e-02	8e-16	2e-03
5:	8.1955e+00	8.1956e+00	1e-02	3e-03	5e-15	2e-04
6:	8.1996e+00	8.1996e+00	1e-04	3e-05	2e-15	2e-06
7:	8.1996e+00	8.1996e+00	1e-06	3e-07	3e-15	2e-08
8:	8.1996e+00	8.1996e+00	1e-08	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0587e+00	6.0635e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6822e+00	8.6832e+00	1e+00	4e-01	9e-16	3e-02
3:	8.9941e+00	8.9942e+00	2e-02	6e-03	2e-15	4e-04
4:	8.9999e+00	8.9999e+00	2e-04	6e-05	8e-16	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	6e-07	9e-16	4e-08
6:	9.0000e+00	9.0000e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3770e+00	5.3801e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1584e+00	8.1595e+00	2e+00	6e-01	1e-15	4e-02
3:	8.8717e+00	8.8720e+00	4e-01	1e-01	2e-15	1e-02
4:	8.9890e+00	8.9890e+00	3e-02	1e-02	7e-15	8e-04
5:	8.9999e+00	8.9999e+00	3e-04	1e-04	1e-15	8e-06

6:	9.0000e+00	9.0000e+00	3e-06	1e-06	1e-15	8e-08
7:	9.0000e+00	9.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7466e+00	3.7468e+00	6e+00	2e+00	2e-16	2e-01
2:	7.0495e+00	7.0496e+00	1e+00	4e-01	3e-15	3e-02
3:	7.4626e+00	7.4626e+00	3e-01	9e-02	2e-15	7e-03
4:	7.5918e+00	7.5918e+00	9e-02	3e-02	2e-15	2e-03
5:	7.6229e+00	7.6229e+00	2e-02	7e-03	9e-15	6e-04
6:	7.6343e+00	7.6343e+00	2e-03	7e-04	3e-15	6e-05
7:	7.6353e+00	7.6353e+00	2e-05	7e-06	6e-15	6e-07
8:	7.6353e+00	7.6353e+00	2e-07	7e-08	9e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9676e+00	5.9706e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6430e+00	8.6438e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9896e+00	8.9896e+00	3e-02	1e-02	1e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	1e-04	8e-16	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	1e-06	7e-16	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	1e-08	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9570e+00	5.9591e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5459e+00	8.5465e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9799e+00	8.9800e+00	7e-02	2e-02	1e-15	2e-03
4:	8.9998e+00	8.9998e+00	7e-04	2e-04	1e-15	2e-05
5:	9.0000e+00	9.0000e+00	7e-06	2e-06	2e-15	2e-07
6:	9.0000e+00	9.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5151e+00	5.5227e+00	7e+00	2e+00	4e-16	2e-01
2:	8.4112e+00	8.4134e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9358e+00	8.9363e+00	3e-01	9e-02	2e-15	6e-03
4:	8.9924e+00	8.9925e+00	2e-02	6e-03	1e-14	5e-04
5:	8.9999e+00	8.9999e+00	2e-04	6e-05	1e-15	5e-06
6:	9.0000e+00	9.0000e+00	2e-06	6e-07	1e-15	5e-08
7:	9.0000e+00	9.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0438e+00	4.0472e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5892e+00	6.5901e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1737e+00	7.1739e+00	2e-01	5e-02	9e-16	4e-03
4:	7.2535e+00	7.2535e+00	4e-02	1e-02	2e-15	1e-03

5:	7.2711e+00	7.2711e+00	2e-03	7e-04	2e-15	6e-05
6:	7.2722e+00	7.2722e+00	2e-05	7e-06	7e-16	6e-07
7:	7.2722e+00	7.2722e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9320e+00	4.9351e+00	7e+00	2e+00	2e-16	2e-01
2:	8.0418e+00	8.0428e+00	2e+00	5e-01	4e-15	4e-02
3:	8.9163e+00	8.9165e+00	3e-01	8e-02	1e-15	6e-03
4:	8.9488e+00	8.9490e+00	1e-01	4e-02	1e-14	3e-03
5:	8.9993e+00	8.9993e+00	2e-03	7e-04	2e-15	5e-05
6:	9.0000e+00	9.0000e+00	2e-05	7e-06	9e-15	5e-07
7:	9.0000e+00	9.0000e+00	2e-07	7e-08	6e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3693e+00	4.3713e+00	7e+00	2e+00	2e-16	2e-01
2:	7.1098e+00	7.1108e+00	2e+00	7e-01	7e-16	5e-02
3:	8.0320e+00	8.0323e+00	4e-01	1e-01	8e-16	9e-03
4:	8.1215e+00	8.1216e+00	2e-01	5e-02	2e-15	4e-03
5:	8.1998e+00	8.1999e+00	3e-02	1e-02	7e-16	7e-04
6:	8.2119e+00	8.2119e+00	5e-04	2e-04	9e-16	1e-05
7:	8.2121e+00	8.2121e+00	5e-06	2e-06	1e-15	1e-07
8:	8.2121e+00	8.2121e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1823e+00	5.1843e+00	6e+00	2e+00	2e-16	2e-01
2:	8.1360e+00	8.1368e+00	2e+00	5e-01	2e-15	4e-02
3:	8.8003e+00	8.8006e+00	4e-01	1e-01	1e-15	1e-02
4:	8.9781e+00	8.9781e+00	6e-02	2e-02	2e-15	2e-03
5:	8.9965e+00	8.9965e+00	1e-02	4e-03	3e-14	3e-04
6:	8.9998e+00	8.9998e+00	4e-04	1e-04	5e-14	1e-05
7:	9.0000e+00	9.0000e+00	4e-06	1e-06	2e-14	1e-07
8:	9.0000e+00	9.0000e+00	4e-08	1e-08	3e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1818e+00	5.1850e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1027e+00	8.1039e+00	2e+00	6e-01	6e-16	4e-02
3:	8.9037e+00	8.9041e+00	4e-01	1e-01	8e-16	9e-03
4:	8.9721e+00	8.9722e+00	6e-02	2e-02	8e-15	2e-03
5:	8.9997e+00	8.9997e+00	7e-04	2e-04	6e-16	2e-05
6:	9.0000e+00	9.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	9.0000e+00	9.0000e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.5789e+00	6.5809e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7772e+00	8.7775e+00	7e-01	2e-01	1e-15	2e-02
3:	8.9976e+00	8.9976e+00	8e-03	2e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8078e+00	5.8092e+00	6e+00	2e+00	3e-16	2e-01
2:	8.5998e+00	8.6004e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9844e+00	8.9845e+00	5e-02	2e-02	1e-15	1e-03
4:	8.9998e+00	8.9998e+00	5e-04	2e-04	9e-16	1e-05
5:	9.0000e+00	9.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	9.0000e+00	9.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2756e+00	5.2775e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3069e+00	8.3077e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9084e+00	8.9086e+00	4e-01	1e-01	2e-15	9e-03
4:	8.9979e+00	8.9979e+00	7e-03	2e-03	4e-15	2e-04
5:	9.0000e+00	9.0000e+00	7e-05	2e-05	2e-15	2e-06
6:	9.0000e+00	9.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4742e+00	5.4799e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6195e+00	8.6212e+00	1e+00	4e-01	1e-15	3e-02
3:	8.8922e+00	8.8929e+00	3e-01	9e-02	3e-15	7e-03
4:	8.9988e+00	8.9988e+00	4e-03	1e-03	5e-16	9e-05
5:	9.0000e+00	9.0000e+00	4e-05	1e-05	7e-16	9e-07
6:	9.0000e+00	9.0000e+00	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8157e+00	4.8145e+00	6e+00	2e+00	5e-16	2e-01
2:	8.2569e+00	8.2564e+00	1e+00	3e-01	1e-15	3e-02
3:	8.7353e+00	8.7352e+00	2e-01	7e-02	9e-16	6e-03
4:	8.8221e+00	8.8221e+00	8e-02	2e-02	1e-15	2e-03
5:	8.8515e+00	8.8515e+00	8e-03	3e-03	3e-15	2e-04
6:	8.8550e+00	8.8550e+00	8e-05	3e-05	1e-15	2e-06
7:	8.8550e+00	8.8550e+00	8e-07	3e-07	1e-15	2e-08
8:	8.8550e+00	8.8550e+00	8e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8424e+00	4.8582e+00	8e+00	2e+00	3e-16	2e-01
2:	7.6088e+00	7.6128e+00	1e+00	4e-01	9e-16	3e-02



3:	7.9916e+00	7.9928e+00	3e-01	1e-01	2e-15	8e-03
4:	8.1664e+00	8.1665e+00	2e-02	7e-03	2e-15	5e-04
5:	8.1758e+00	8.1758e+00	2e-04	7e-05	2e-15	5e-06
6:	8.1759e+00	8.1759e+00	2e-06	7e-07	2e-15	5e-08
7:	8.1759e+00	8.1759e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7543e+00	5.7597e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5613e+00	8.5629e+00	1e+00	5e-01	2e-15	3e-02
3:	8.9612e+00	8.9614e+00	1e-01	3e-02	2e-15	2e-03
4:	8.9996e+00	8.9996e+00	1e-03	3e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	1e-05	3e-06	7e-16	2e-07
6:	9.0000e+00	9.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3136e+00	5.3189e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4561e+00	8.4579e+00	2e+00	6e-01	3e-15	4e-02
3:	8.9564e+00	8.9567e+00	2e-01	6e-02	2e-15	4e-03
4:	8.9995e+00	8.9995e+00	2e-03	6e-04	2e-15	4e-05
5:	9.0000e+00	9.0000e+00	2e-05	6e-06	2e-15	4e-07
6:	9.0000e+00	9.0000e+00	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6041e+00	5.6096e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2107e+00	8.2126e+00	2e+00	5e-01	1e-15	4e-02
3:	8.8504e+00	8.8510e+00	5e-01	2e-01	1e-15	1e-02
4:	8.9698e+00	8.9701e+00	8e-02	3e-02	4e-15	2e-03
5:	8.9997e+00	8.9997e+00	9e-04	3e-04	5e-16	2e-05
6:	9.0000e+00	9.0000e+00	9e-06	3e-06	6e-16	2e-07
7:	9.0000e+00	9.0000e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4574e+00	4.4620e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4464e+00	8.4477e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8731e+00	8.8734e+00	2e-01	7e-02	1e-15	5e-03
4:	8.9417e+00	8.9418e+00	2e-02	6e-03	5e-15	4e-04
5:	8.9476e+00	8.9476e+00	2e-03	8e-04	3e-15	6e-05
6:	8.9486e+00	8.9486e+00	2e-04	5e-05	2e-15	4e-06
7:	8.9486e+00	8.9486e+00	2e-06	5e-07	3e-15	4e-08
8:	8.9486e+00	8.9486e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6808e+00	5.6812e+00	6e+00	2e+00	3e-16	2e-01

2:	8.4427e+00	8.4428e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9722e+00	8.9722e+00	1e-01	3e-02	3e-15	2e-03
4:	8.9997e+00	8.9997e+00	1e-03	3e-04	4e-16	2e-05
5:	9.0000e+00	9.0000e+00	1e-05	3e-06	4e-16	2e-07
6:	9.0000e+00	9.0000e+00	1e-07	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.5910e+00	4.5970e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0848e+00	7.0864e+00	1e+00	4e-01	2e-15	3e-02
3:	7.7777e+00	7.7780e+00	2e-01	8e-02	9e-16	6e-03
4:	7.9086e+00	7.9086e+00	3e-02	8e-03	1e-15	6e-04
5:	7.9178e+00	7.9178e+00	7e-03	2e-03	4e-15	2e-04
6:	7.9210e+00	7.9210e+00	8e-04	3e-04	2e-15	2e-05
7:	7.9213e+00	7.9213e+00	1e-04	4e-05	2e-14	3e-06
8:	7.9214e+00	7.9214e+00	1e-06	4e-07	3e-15	3e-08
9:	7.9214e+00	7.9214e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7718e+00	5.7748e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6022e+00	8.6030e+00	1e+00	4e-01	9e-16	3e-02
3:	8.9770e+00	8.9771e+00	7e-02	2e-02	3e-15	2e-03
4:	8.9998e+00	8.9998e+00	7e-04	2e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	9.0000e+00	9.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9201e+00	5.9237e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6270e+00	8.6281e+00	1e+00	5e-01	2e-15	3e-02
3:	8.9758e+00	8.9759e+00	7e-02	2e-02	4e-15	2e-03
4:	8.9998e+00	8.9998e+00	7e-04	2e-04	6e-16	2e-05
5:	9.0000e+00	9.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	9.0000e+00	9.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5173e+00	5.5208e+00	7e+00	2e+00	4e-16	2e-01
2:	8.6697e+00	8.6707e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9882e+00	8.9882e+00	4e-02	1e-02	2e-15	9e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	8e-16	9e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5245e+00	5.5286e+00	7e+00	2e+00	2e-16	2e-01

2:	8.4049e+00	8.4062e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9074e+00	8.9079e+00	4e-01	1e-01	3e-15	9e-03
4:	8.9953e+00	8.9953e+00	1e-02	4e-03	4e-15	3e-04
5:	9.0000e+00	9.0000e+00	1e-04	4e-05	1e-15	3e-06
6:	9.0000e+00	9.0000e+00	1e-06	4e-07	1e-15	3e-08
7:	9.0000e+00	9.0000e+00	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2824e+00	6.2854e+00	7e+00	2e+00	2e-16	2e-01
2:	8.7578e+00	8.7583e+00	9e-01	3e-01	2e-15	2e-02
3:	8.9959e+00	8.9959e+00	1e-02	4e-03	1e-15	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	4e-07	9e-16	3e-08
6:	9.0000e+00	9.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6974e+00	4.6992e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5293e+00	7.5299e+00	1e+00	4e-01	1e-15	3e-02
3:	7.8691e+00	7.8695e+00	6e-01	2e-01	3e-15	1e-02
4:	8.1589e+00	8.1590e+00	5e-02	1e-02	7e-16	1e-03
5:	8.1835e+00	8.1835e+00	2e-03	6e-04	1e-15	4e-05
6:	8.1843e+00	8.1843e+00	2e-05	6e-06	8e-16	4e-07
7:	8.1843e+00	8.1843e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9113e+00	5.9153e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5830e+00	8.5841e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9927e+00	8.9927e+00	2e-02	7e-03	1e-15	5e-04
4:	8.9999e+00	8.9999e+00	2e-04	7e-05	5e-16	5e-06
5:	9.0000e+00	9.0000e+00	2e-06	7e-07	6e-16	5e-08
6:	9.0000e+00	9.0000e+00	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.7758e+00	4.7842e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6198e+00	7.6229e+00	2e+00	6e-01	3e-15	4e-02
3:	8.2576e+00	8.2590e+00	7e-01	2e-01	2e-15	2e-02
4:	8.5235e+00	8.5241e+00	2e-01	8e-02	3e-15	6e-03
5:	8.5979e+00	8.5981e+00	7e-02	2e-02	6e-15	2e-03
6:	8.6312e+00	8.6312e+00	5e-03	2e-03	8e-16	1e-04
7:	8.6333e+00	8.6333e+00	1e-04	3e-05	1e-14	3e-06
8:	8.6333e+00	8.6333e+00	1e-06	3e-07	7e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.1868e+00	6.1887e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6437e+00	8.6441e+00	1e+00	4e-01	8e-16	3e-02
3:	8.9777e+00	8.9778e+00	6e-02	2e-02	3e-15	1e-03
4:	8.9998e+00	8.9998e+00	6e-04	2e-04	5e-16	1e-05
5:	9.0000e+00	9.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	9.0000e+00	9.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9029e+00	4.9026e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7339e+00	7.7338e+00	2e+00	5e-01	2e-15	4e-02
3:	8.4177e+00	8.4177e+00	4e-01	1e-01	2e-15	1e-02
4:	8.5867e+00	8.5867e+00	7e-02	2e-02	3e-15	2e-03
5:	8.6157e+00	8.6157e+00	2e-02	5e-03	9e-16	4e-04
6:	8.6184e+00	8.6184e+00	9e-03	3e-03	2e-14	2e-04
7:	8.6225e+00	8.6225e+00	1e-04	5e-05	2e-15	4e-06
8:	8.6226e+00	8.6226e+00	1e-06	5e-07	4e-15	4e-08
9:	8.6226e+00	8.6226e+00	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8720e+00	4.8778e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6762e+00	7.6785e+00	2e+00	6e-01	2e-15	4e-02
3:	8.5086e+00	8.5092e+00	3e-01	1e-01	9e-16	8e-03
4:	8.6320e+00	8.6321e+00	3e-02	1e-02	1e-15	8e-04
5:	8.6470e+00	8.6470e+00	9e-04	3e-04	9e-16	2e-05
6:	8.6473e+00	8.6473e+00	9e-06	3e-06	1e-15	2e-07
7:	8.6474e+00	8.6474e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5886e+00	4.6023e+00	8e+00	2e+00	3e-16	2e-01
2:	7.5292e+00	7.5328e+00	1e+00	4e-01	2e-15	3e-02
3:	8.1159e+00	8.1163e+00	1e-01	4e-02	6e-16	3e-03
4:	8.1819e+00	8.1820e+00	1e-02	3e-03	1e-15	3e-04
5:	8.1860e+00	8.1860e+00	1e-03	4e-04	2e-15	3e-05
6:	8.1866e+00	8.1866e+00	2e-05	6e-06	4e-15	4e-07
7:	8.1866e+00	8.1866e+00	2e-07	6e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7152e+00	4.7215e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5977e+00	8.5992e+00	1e+00	3e-01	2e-15	2e-02
3:	8.9419e+00	8.9423e+00	3e-01	9e-02	3e-15	6e-03
4:	8.9945e+00	8.9946e+00	1e-02	5e-03	8e-15	4e-04
5:	8.9999e+00	8.9999e+00	2e-04	5e-05	2e-15	4e-06
6:	9.0000e+00	9.0000e+00	2e-06	5e-07	2e-15	4e-08
7:	9.0000e+00	9.0000e+00	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1423e+00	5.1436e+00	7e+00	2e+00	2e-16	2e-01
2:	8.4656e+00	8.4661e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9568e+00	8.9569e+00	1e-01	4e-02	2e-15	3e-03
4:	8.9996e+00	8.9996e+00	1e-03	4e-04	8e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	8e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6964e+00	6.6993e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5879e+00	9.5887e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9872e+00	9.9872e+00	4e-02	1e-02	2e-15	9e-04
4:	9.9999e+00	9.9999e+00	4e-04	1e-04	1e-15	9e-06
5:	1.0000e+01	1.0000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3628e+00	6.3662e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4963e+00	9.4973e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9680e+00	9.9681e+00	1e-01	3e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	1e-03	3e-04	8e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	9e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4503e+00	5.4538e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0487e+00	9.0497e+00	1e+00	4e-01	1e-15	3e-02
3:	9.5935e+00	9.5937e+00	2e-01	6e-02	3e-15	4e-03
4:	9.6823e+00	9.6824e+00	1e-02	3e-03	1e-15	2e-04
5:	9.6866e+00	9.6866e+00	1e-04	3e-05	3e-15	2e-06
6:	9.6866e+00	9.6866e+00	1e-06	3e-07	4e-15	2e-08
7:	9.6866e+00	9.6866e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0564e+00	6.0618e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6261e+00	9.6276e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9682e+00	9.9684e+00	1e-01	4e-02	3e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	5e-04	2e-15	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	5e-06	1e-15	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	5e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5341e+00	5.5356e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2869e+00	9.2874e+00	1e+00	4e-01	1e-15	3e-02
3:	9.7578e+00	9.7579e+00	2e-01	6e-02	2e-15	5e-03
4:	9.8276e+00	9.8276e+00	7e-02	2e-02	2e-15	2e-03
5:	9.8474e+00	9.8475e+00	2e-02	7e-03	4e-15	5e-04
6:	9.8564e+00	9.8564e+00	4e-04	1e-04	1e-15	1e-05
7:	9.8566e+00	9.8566e+00	4e-06	1e-06	1e-15	1e-07
8:	9.8566e+00	9.8566e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3745e+00	5.3783e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7552e+00	8.7564e+00	1e+00	4e-01	2e-15	3e-02
3:	9.3893e+00	9.3896e+00	4e-01	1e-01	1e-15	8e-03
4:	9.5201e+00	9.5202e+00	7e-02	2e-02	2e-15	2e-03
5:	9.5596e+00	9.5596e+00	2e-03	5e-04	8e-16	4e-05
6:	9.5604e+00	9.5604e+00	2e-05	5e-06	6e-16	4e-07
7:	9.5604e+00	9.5604e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3629e+00	5.3663e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3646e+00	8.3661e+00	2e+00	6e-01	1e-15	5e-02
3:	9.0887e+00	9.0889e+00	3e-01	1e-01	1e-15	8e-03
4:	9.2302e+00	9.2302e+00	5e-02	1e-02	1e-15	1e-03
5:	9.2568e+00	9.2568e+00	7e-04	2e-04	8e-16	2e-05
6:	9.2572e+00	9.2572e+00	7e-06	2e-06	1e-15	2e-07
7:	9.2572e+00	9.2572e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7832e+00	5.7848e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5610e+00	9.5615e+00	1e+00	4e-01	3e-15	3e-02
3:	9.9237e+00	9.9238e+00	3e-01	9e-02	2e-15	7e-03
4:	9.9976e+00	9.9976e+00	7e-03	2e-03	5e-15	2e-04
5:	1.0000e+01	1.0000e+01	7e-05	2e-05	2e-15	2e-06
6:	1.0000e+01	1.0000e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6159e+00	6.6184e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2512e+00	9.2521e+00	2e+00	6e-01	2e-15	5e-02
3:	9.8573e+00	9.8576e+00	5e-01	1e-01	1e-15	1e-02
4:	9.9964e+00	9.9964e+00	1e-02	3e-03	2e-15	3e-04
5:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	3e-06
6:	1.0000e+01	1.0000e+01	1e-06	3e-07	1e-15	3e-08
7:	1.0000e+01	1.0000e+01	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3860e+00	6.3880e+00	6e+00	2e+00	2e-16	2e-01
2:	9.3334e+00	9.3342e+00	2e+00	5e-01	3e-15	4e-02
3:	9.9368e+00	9.9370e+00	2e-01	7e-02	2e-15	5e-03
4:	9.9993e+00	9.9993e+00	2e-03	7e-04	6e-16	5e-05
5:	1.0000e+01	1.0000e+01	2e-05	7e-06	8e-16	5e-07
6:	1.0000e+01	1.0000e+01	2e-07	7e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5121e+00	5.5178e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7934e+00	8.7952e+00	2e+00	6e-01	1e-15	4e-02
3:	9.7710e+00	9.7714e+00	3e-01	1e-01	1e-15	8e-03
4:	9.8870e+00	9.8872e+00	8e-02	3e-02	4e-15	2e-03
5:	9.9288e+00	9.9288e+00	1e-03	4e-04	1e-15	3e-05
6:	9.9293e+00	9.9293e+00	1e-05	4e-06	2e-15	3e-07
7:	9.9294e+00	9.9294e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4684e+00	6.4721e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5959e+00	9.5969e+00	1e+00	5e-01	9e-16	3e-02
3:	9.9850e+00	9.9850e+00	4e-02	1e-02	2e-15	1e-03
4:	9.9998e+00	9.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	1.0000e+01	1.0000e+01	4e-06	1e-06	7e-16	1e-07
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6559e+00	3.6568e+00	6e+00	2e+00	2e-16	2e-01
2:	6.0652e+00	6.0657e+00	3e+00	8e-01	1e-15	6e-02
3:	6.9123e+00	6.9125e+00	6e-01	2e-01	2e-15	1e-02
4:	7.1941e+00	7.1941e+00	4e-02	1e-02	9e-16	1e-03
5:	7.2086e+00	7.2086e+00	4e-04	1e-04	6e-16	1e-05
6:	7.2087e+00	7.2087e+00	4e-06	1e-06	7e-16	1e-07
7:	7.2087e+00	7.2087e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1670e+00	7.1706e+00	6e+00	2e+00	2e-16	1e-01
2:	9.8470e+00	9.8474e+00	5e-01	2e-01	2e-15	1e-02
3:	9.9983e+00	9.9983e+00	6e-03	2e-03	2e-15	1e-04
4:	1.0000e+01	1.0000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.0000e+01	1.0000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7470e+00	6.7510e+00	6e+00	2e+00	5e-16	1e-01
2:	9.3857e+00	9.3867e+00	1e+00	3e-01	1e-15	2e-02
3:	9.8336e+00	9.8339e+00	2e-01	7e-02	2e-15	6e-03
4:	9.9393e+00	9.9393e+00	3e-02	1e-02	3e-15	7e-04
5:	9.9542e+00	9.9542e+00	2e-03	8e-04	7e-15	6e-05
6:	9.9553e+00	9.9553e+00	1e-04	4e-05	2e-14	3e-06
7:	9.9553e+00	9.9553e+00	1e-06	4e-07	5e-15	3e-08
8:	9.9553e+00	9.9553e+00	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8503e+00	6.8521e+00	7e+00	2e+00	4e-16	2e-01
2:	9.6574e+00	9.6578e+00	1e+00	3e-01	1e-15	3e-02
3:	9.9951e+00	9.9951e+00	2e-02	5e-03	1e-15	4e-04
4:	1.0000e+01	1.0000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.0000e+01	1.0000e+01	2e-06	5e-07	1e-15	4e-08
6:	1.0000e+01	1.0000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7315e+00	6.7364e+00	6e+00	2e+00	3e-16	1e-01
2:	9.6756e+00	9.6767e+00	1e+00	3e-01	1e-15	2e-02
3:	9.9731e+00	9.9733e+00	7e-02	2e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	7e-04	2e-04	7e-16	2e-05
5:	1.0000e+01	1.0000e+01	7e-06	2e-06	6e-16	2e-07
6:	1.0000e+01	1.0000e+01	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8291e+00	6.8322e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7958e+00	9.7962e+00	7e-01	2e-01	2e-15	2e-02
3:	9.9966e+00	9.9966e+00	1e-02	3e-03	2e-15	2e-04
4:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2184e+00	6.2249e+00	7e+00	2e+00	2e-16	2e-01
2:	9.3456e+00	9.3477e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9256e+00	9.9261e+00	2e-01	6e-02	7e-16	5e-03
4:	9.9910e+00	9.9911e+00	3e-02	1e-02	2e-14	8e-04
5:	9.9999e+00	9.9999e+00	4e-04	1e-04	8e-15	1e-05
6:	1.0000e+01	1.0000e+01	4e-06	1e-06	6e-15	1e-07
7:	1.0000e+01	1.0000e+01	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	6.6689e+00	6.6724e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5324e+00	9.5334e+00	1e+00	4e-01	3e-15	3e-02
3:	9.9915e+00	9.9915e+00	3e-02	8e-03	1e-15	6e-04
4:	9.9999e+00	9.9999e+00	3e-04	8e-05	1e-15	6e-06
5:	1.0000e+01	1.0000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.0000e+01	1.0000e+01	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0711e+00	6.0705e+00	6e+00	2e+00	3e-16	2e-01
2:	8.9239e+00	8.9236e+00	2e+00	5e-01	2e-15	4e-02
3:	9.6501e+00	9.6500e+00	5e-01	2e-01	2e-15	1e-02
4:	9.8695e+00	9.8695e+00	9e-02	3e-02	3e-15	2e-03
5:	9.9147e+00	9.9147e+00	2e-03	6e-04	5e-15	5e-05
6:	9.9157e+00	9.9157e+00	2e-05	6e-06	2e-15	5e-07
7:	9.9158e+00	9.9158e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2401e+00	6.2456e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6680e+00	8.6705e+00	2e+00	7e-01	1e-15	5e-02
3:	9.3778e+00	9.3785e+00	5e-01	2e-01	9e-16	1e-02
4:	9.5481e+00	9.5484e+00	1e-01	4e-02	8e-16	3e-03
5:	9.5957e+00	9.5957e+00	1e-02	4e-03	4e-15	3e-04
6:	9.6010e+00	9.6010e+00	3e-04	1e-04	3e-15	8e-06
7:	9.6011e+00	9.6011e+00	3e-06	1e-06	4e-15	8e-08
8:	9.6011e+00	9.6011e+00	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5222e+00	4.5209e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8803e+00	7.8798e+00	1e+00	4e-01	1e-15	3e-02
3:	8.3770e+00	8.3768e+00	3e-01	8e-02	1e-15	7e-03
4:	8.4751e+00	8.4750e+00	8e-02	2e-02	2e-15	2e-03
5:	8.4896e+00	8.4896e+00	3e-02	9e-03	1e-14	8e-04
6:	8.5024e+00	8.5024e+00	1e-03	3e-04	9e-16	3e-05
7:	8.5028e+00	8.5028e+00	1e-05	3e-06	4e-15	3e-07
8:	8.5028e+00	8.5028e+00	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7171e+00	6.7187e+00	6e+00	2e+00	3e-16	2e-01
2:	9.4612e+00	9.4617e+00	1e+00	5e-01	3e-15	4e-02
3:	9.9834e+00	9.9834e+00	5e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	2e-04	4e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	2e-06	5e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6214e+00	5.6246e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8899e+00	8.8908e+00	1e+00	4e-01	4e-15	3e-02
3:	9.3565e+00	9.3570e+00	5e-01	2e-01	2e-15	1e-02
4:	9.5364e+00	9.5365e+00	7e-02	2e-02	1e-15	2e-03
5:	9.5671e+00	9.5671e+00	8e-03	3e-03	5e-16	2e-04
6:	9.5699e+00	9.5699e+00	1e-03	4e-04	4e-15	3e-05
7:	9.5703e+00	9.5703e+00	1e-05	4e-06	1e-14	3e-07
8:	9.5703e+00	9.5703e+00	1e-07	4e-08	6e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5197e+00	6.5252e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5870e+00	9.5883e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9863e+00	9.9863e+00	4e-02	1e-02	2e-15	8e-04
4:	9.9999e+00	9.9999e+00	4e-04	1e-04	6e-16	8e-06
5:	1.0000e+01	1.0000e+01	4e-06	1e-06	7e-16	8e-08
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6543e+00	5.6528e+00	6e+00	2e+00	3e-16	2e-01
2:	8.5774e+00	8.5769e+00	1e+00	4e-01	2e-15	3e-02
3:	9.1251e+00	9.1249e+00	3e-01	8e-02	1e-15	7e-03
4:	9.2375e+00	9.2374e+00	7e-02	2e-02	2e-15	2e-03
5:	9.2695e+00	9.2695e+00	5e-03	2e-03	4e-15	1e-04
6:	9.2718e+00	9.2718e+00	5e-05	2e-05	1e-15	1e-06
7:	9.2718e+00	9.2718e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6687e+00	6.6717e+00	7e+00	2e+00	4e-16	2e-01
2:	9.6067e+00	9.6074e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9886e+00	9.9886e+00	3e-02	1e-02	2e-15	7e-04
4:	9.9999e+00	9.9999e+00	3e-04	1e-04	8e-16	7e-06
5:	1.0000e+01	1.0000e+01	3e-06	1e-06	8e-16	7e-08
6:	1.0000e+01	1.0000e+01	3e-08	1e-08	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7181e+00	5.7213e+00	7e+00	2e+00	2e-16	2e-01
2:	9.0849e+00	9.0860e+00	1e+00	5e-01	1e-15	4e-02
3:	9.6305e+00	9.6308e+00	3e-01	9e-02	1e-15	7e-03
4:	9.7679e+00	9.7680e+00	5e-02	2e-02	8e-16	1e-03
5:	9.7891e+00	9.7891e+00	6e-04	2e-04	8e-16	1e-05
6:	9.7893e+00	9.7893e+00	6e-06	2e-06	8e-16	1e-07
7:	9.7893e+00	9.7893e+00	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3559e+00	7.3584e+00	6e+00	2e+00	3e-16	1e-01
2:	9.7071e+00	9.7076e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9811e+00	9.9811e+00	4e-02	1e-02	4e-15	1e-03
4:	9.9998e+00	9.9998e+00	4e-04	1e-04	6e-16	1e-05
5:	1.0000e+01	1.0000e+01	4e-06	1e-06	5e-16	1e-07
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5351e+00	6.5375e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7426e+00	9.7431e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9961e+00	9.9961e+00	1e-02	4e-03	1e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4479e+00	6.4512e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4485e+00	9.4496e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9532e+00	9.9535e+00	2e-01	5e-02	3e-15	4e-03
4:	9.9995e+00	9.9995e+00	2e-03	5e-04	5e-16	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	5e-06	5e-16	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9998e+00	6.0026e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0967e+00	9.0977e+00	2e+00	5e-01	1e-15	4e-02
3:	9.8436e+00	9.8439e+00	5e-01	1e-01	1e-15	1e-02
4:	9.9780e+00	9.9781e+00	6e-02	2e-02	6e-15	1e-03
5:	9.9998e+00	9.9998e+00	6e-04	2e-04	6e-16	1e-05
6:	1.0000e+01	1.0000e+01	6e-06	2e-06	8e-16	1e-07
7:	1.0000e+01	1.0000e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3282e+00	6.3315e+00	6e+00	2e+00	4e-16	2e-01
2:	9.4582e+00	9.4592e+00	1e+00	5e-01	2e-15	4e-02
3:	9.9394e+00	9.9397e+00	2e-01	5e-02	3e-15	4e-03
4:	9.9994e+00	9.9994e+00	2e-03	6e-04	3e-16	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	6e-06	5e-16	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	6e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.3645e+00	6.3693e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5610e+00	9.5622e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9780e+00	9.9781e+00	6e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	6e-04	2e-04	1e-15	1e-05
5:	1.0000e+01	1.0000e+01	6e-06	2e-06	7e-16	1e-07
6:	1.0000e+01	1.0000e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2609e+00	6.2640e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6750e+00	9.6757e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9316e+00	9.9319e+00	2e-01	5e-02	4e-15	4e-03
4:	9.9993e+00	9.9993e+00	2e-03	5e-04	6e-16	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	5e-06	7e-16	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9424e+00	6.9463e+00	6e+00	2e+00	4e-16	1e-01
2:	9.4897e+00	9.4907e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9216e+00	9.9218e+00	3e-01	8e-02	3e-15	6e-03
4:	9.9964e+00	9.9964e+00	1e-02	3e-03	5e-15	2e-04
5:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	2e-06
6:	1.0000e+01	1.0000e+01	1e-06	3e-07	1e-15	2e-08
7:	1.0000e+01	1.0000e+01	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8795e+00	4.8831e+00	7e+00	2e+00	2e-16	2e-01
2:	7.9610e+00	7.9624e+00	2e+00	6e-01	2e-15	5e-02
3:	8.8323e+00	8.8326e+00	4e-01	1e-01	1e-15	9e-03
4:	8.9768e+00	8.9769e+00	7e-02	2e-02	1e-15	2e-03
5:	9.0104e+00	9.0104e+00	9e-03	3e-03	2e-15	2e-04
6:	9.0145e+00	9.0145e+00	9e-05	3e-05	4e-15	2e-06
7:	9.0145e+00	9.0145e+00	9e-07	3e-07	4e-15	2e-08
8:	9.0145e+00	9.0145e+00	9e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2361e+00	4.2340e+00	6e+00	2e+00	3e-16	2e-01
2:	7.6794e+00	7.6787e+00	9e-01	3e-01	2e-15	3e-02
3:	8.0509e+00	8.0507e+00	2e-01	6e-02	1e-15	5e-03
4:	8.1281e+00	8.1281e+00	3e-02	9e-03	2e-15	7e-04
5:	8.1423e+00	8.1423e+00	3e-04	9e-05	8e-16	8e-06
6:	8.1424e+00	8.1424e+00	3e-06	9e-07	9e-16	8e-08
7:	8.1424e+00	8.1424e+00	3e-08	9e-09	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6898e+00	6.6935e+00	6e+00	2e+00	3e-16	1e-01
2:	9.2311e+00	9.2322e+00	1e+00	5e-01	2e-15	3e-02
3:	9.8802e+00	9.8805e+00	3e-01	1e-01	1e-15	8e-03
4:	9.9780e+00	9.9782e+00	6e-02	2e-02	1e-14	1e-03
5:	9.9998e+00	9.9998e+00	6e-04	2e-04	7e-16	1e-05
6:	1.0000e+01	1.0000e+01	6e-06	2e-06	8e-16	1e-07
7:	1.0000e+01	1.0000e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7029e+00	5.7092e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0259e+00	9.0279e+00	2e+00	5e-01	2e-15	4e-02
3:	9.7997e+00	9.8003e+00	5e-01	2e-01	2e-15	1e-02
4:	9.9355e+00	9.9360e+00	2e-01	5e-02	7e-15	4e-03
5:	9.9992e+00	9.9992e+00	2e-03	7e-04	7e-16	5e-05
6:	1.0000e+01	1.0000e+01	2e-05	7e-06	1e-15	5e-07
7:	1.0000e+01	1.0000e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5459e+00	6.5528e+00	7e+00	2e+00	3e-16	1e-01
2:	9.5952e+00	9.5969e+00	1e+00	4e-01	4e-15	3e-02
3:	9.9612e+00	9.9616e+00	1e-01	4e-02	2e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	4e-04	3e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6619e+00	6.6655e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2497e+00	9.2508e+00	1e+00	4e-01	2e-15	3e-02
3:	9.7966e+00	9.7969e+00	3e-01	9e-02	1e-15	7e-03
4:	9.9672e+00	9.9672e+00	5e-02	2e-02	1e-15	1e-03
5:	9.9868e+00	9.9868e+00	9e-03	3e-03	2e-14	2e-04
6:	9.9910e+00	9.9910e+00	7e-04	2e-04	2e-14	2e-05
7:	9.9914e+00	9.9914e+00	7e-06	2e-06	3e-15	2e-07
8:	9.9914e+00	9.9914e+00	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7123e+00	5.7146e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3450e+00	9.3456e+00	1e+00	4e-01	2e-15	3e-02
3:	9.7918e+00	9.7920e+00	3e-01	1e-01	2e-15	8e-03
4:	9.9495e+00	9.9495e+00	7e-02	2e-02	2e-15	2e-03
5:	9.9856e+00	9.9856e+00	1e-02	4e-03	3e-15	3e-04
6:	9.9918e+00	9.9918e+00	5e-04	1e-04	2e-14	1e-05
7:	9.9920e+00	9.9920e+00	5e-06	2e-06	2e-14	1e-07

8: 9.9920e+00 9.9920e+00 5e-08 2e-08 3e-14 1e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4480e+00	6.4517e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4447e+00	9.4460e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9821e+00	9.9822e+00	5e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	2e-04	6e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	2e-06	5e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1618e+00	5.1722e+00	7e+00	2e+00	2e-16	2e-01
2:	8.8674e+00	8.8709e+00	2e+00	6e-01	1e-15	4e-02
3:	9.6229e+00	9.6235e+00	3e-01	1e-01	1e-15	7e-03
4:	9.7577e+00	9.7578e+00	5e-02	2e-02	3e-15	1e-03
5:	9.7763e+00	9.7763e+00	9e-03	3e-03	1e-14	2e-04
6:	9.7808e+00	9.7808e+00	1e-04	3e-05	7e-16	2e-06
7:	9.7809e+00	9.7809e+00	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4303e+00	6.4331e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5629e+00	9.5638e+00	1e+00	5e-01	1e-15	3e-02
3:	9.9737e+00	9.9738e+00	7e-02	2e-02	2e-15	2e-03
4:	9.9997e+00	9.9997e+00	7e-04	2e-04	8e-16	2e-05
5:	1.0000e+01	1.0000e+01	7e-06	2e-06	6e-16	2e-07
6:	1.0000e+01	1.0000e+01	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4110e+00	6.4152e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5217e+00	9.5230e+00	1e+00	5e-01	2e-15	3e-02
3:	9.9575e+00	9.9577e+00	1e-01	4e-02	1e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	8e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6286e+00	5.6327e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3843e+00	9.3856e+00	1e+00	5e-01	2e-15	3e-02
3:	9.9061e+00	9.9065e+00	4e-01	1e-01	3e-15	8e-03
4:	9.9977e+00	9.9978e+00	7e-03	2e-03	5e-15	2e-04
5:	1.0000e+01	1.0000e+01	7e-05	2e-05	2e-15	2e-06
6:	1.0000e+01	1.0000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3584e+00	5.3675e+00	8e+00	2e+00	3e-16	2e-01
2:	8.3800e+00	8.3831e+00	2e+00	6e-01	2e-15	4e-02
3:	9.1187e+00	9.1193e+00	3e-01	8e-02	1e-15	6e-03
4:	9.2272e+00	9.2273e+00	6e-02	2e-02	9e-16	1e-03
5:	9.2526e+00	9.2526e+00	2e-03	6e-04	1e-15	4e-05
6:	9.2535e+00	9.2535e+00	2e-05	6e-06	4e-16	5e-07
7:	9.2535e+00	9.2535e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6150e+00	6.6226e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0229e+01	1.0231e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0893e+01	1.0894e+01	3e-01	8e-02	9e-16	6e-03
4:	1.0984e+01	1.0984e+01	6e-02	2e-02	8e-15	1e-03
5:	1.0999e+01	1.0999e+01	2e-03	5e-04	1e-14	4e-05
6:	1.1000e+01	1.1000e+01	2e-05	5e-06	4e-15	4e-07
7:	1.1000e+01	1.1000e+01	2e-07	5e-08	6e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7139e+00	6.7195e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0521e+01	1.0523e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0947e+01	1.0947e+01	1e-01	5e-02	3e-15	3e-03
4:	1.0999e+01	1.0999e+01	2e-03	6e-04	1e-15	4e-05
5:	1.1000e+01	1.1000e+01	2e-05	6e-06	1e-15	4e-07
6:	1.1000e+01	1.1000e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4380e+00	6.4395e+00	7e+00	2e+00	4e-16	2e-01
2:	9.7288e+00	9.7293e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0477e+01	1.0477e+01	5e-01	1e-01	5e-15	1e-02
4:	1.0610e+01	1.0610e+01	1e-01	5e-02	6e-15	4e-03
5:	1.0685e+01	1.0685e+01	5e-03	2e-03	8e-16	1e-04
6:	1.0687e+01	1.0687e+01	5e-05	2e-05	8e-16	1e-06
7:	1.0688e+01	1.0688e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0789e+00	5.0822e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9607e+00	8.9618e+00	2e+00	5e-01	1e-15	4e-02
3:	9.7177e+00	9.7179e+00	3e-01	8e-02	2e-15	6e-03
4:	9.8456e+00	9.8457e+00	5e-02	1e-02	2e-15	1e-03
5:	9.8628e+00	9.8628e+00	7e-03	2e-03	2e-14	2e-04
6:	9.8666e+00	9.8666e+00	7e-05	2e-05	1e-15	2e-06
7:	9.8666e+00	9.8666e+00	7e-07	2e-07	1e-15	2e-08

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8: 9.8666e+00 9.8666e+00 7e-09 2e-09 4e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.5632e+00 5.5736e+00 7e+00 2e+00 3e-16 2e-01
2: 8.5451e+00 8.5496e+00 2e+00 6e-01 1e-15 5e-02
3: 9.4998e+00 9.5004e+00 2e-01 7e-02 6e-16 5e-03
4: 9.5694e+00 9.5695e+00 2e-02 6e-03 2e-15 4e-04
5: 9.5770e+00 9.5770e+00 2e-03 6e-04 1e-15 4e-05
6: 9.5777e+00 9.5777e+00 2e-05 6e-06 2e-15 4e-07
7: 9.5777e+00 9.5777e+00 2e-07 6e-08 3e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.4926e+00 5.5009e+00 8e+00 2e+00 2e-16 2e-01
2: 9.1221e+00 9.1243e+00 1e+00 4e-01 1e-15 3e-02
3: 9.6464e+00 9.6470e+00 3e-01 9e-02 1e-15 7e-03
4: 9.7213e+00 9.7216e+00 8e-02 3e-02 3e-15 2e-03
5: 9.7580e+00 9.7580e+00 3e-03 9e-04 5e-16 7e-05
6: 9.7592e+00 9.7592e+00 3e-05 9e-06 9e-16 7e-07
7: 9.7592e+00 9.7592e+00 3e-07 9e-08 9e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.0736e+00 7.0763e+00 7e+00 2e+00 4e-16 2e-01
2: 1.0264e+01 1.0265e+01 2e+00 6e-01 2e-15 4e-02
3: 1.0914e+01 1.0914e+01 3e-01 8e-02 2e-15 6e-03
4: 1.0999e+01 1.0999e+01 3e-03 9e-04 2e-15 7e-05
5: 1.1000e+01 1.1000e+01 3e-05 9e-06 2e-15 7e-07
6: 1.1000e+01 1.1000e+01 3e-07 9e-08 2e-15 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.5129e+00 5.5224e+00 8e+00 2e+00 2e-16 2e-01
2: 9.0486e+00 9.0516e+00 2e+00 5e-01 2e-15 4e-02
3: 9.6152e+00 9.6160e+00 3e-01 1e-01 2e-15 8e-03
4: 9.7394e+00 9.7395e+00 5e-02 2e-02 3e-15 1e-03
5: 9.7570e+00 9.7570e+00 8e-03 3e-03 1e-15 2e-04
6: 9.7605e+00 9.7605e+00 2e-03 6e-04 6e-16 5e-05
7: 9.7609e+00 9.7609e+00 8e-04 3e-04 6e-15 2e-05
8: 9.7613e+00 9.7613e+00 1e-05 4e-06 9e-16 3e-07
9: 9.7613e+00 9.7613e+00 1e-07 4e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.5049e+00 5.5174e+00 8e+00 3e+00 2e-16 2e-01
2: 8.6220e+00 8.6272e+00 2e+00 8e-01 2e-15 5e-02
3: 9.3703e+00 9.3717e+00 6e-01 2e-01 1e-15 1e-02

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4:	9.6352e+00	9.6357e+00	1e-01	5e-02	9e-16	3e-03
5:	9.6731e+00	9.6733e+00	5e-02	1e-02	3e-15	1e-03
6:	9.6938e+00	9.6938e+00	9e-04	3e-04	6e-16	2e-05
7:	9.6942e+00	9.6942e+00	9e-06	3e-06	1e-15	2e-07
8:	9.6942e+00	9.6942e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8901e+00	3.8940e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1668e+00	7.1680e+00	1e+00	5e-01	1e-15	3e-02
3:	7.6152e+00	7.6155e+00	3e-01	1e-01	2e-15	7e-03
4:	7.7726e+00	7.7727e+00	6e-02	2e-02	9e-16	1e-03
5:	7.7852e+00	7.7852e+00	3e-02	1e-02	4e-15	8e-04
6:	7.8006e+00	7.8006e+00	1e-03	3e-04	7e-16	3e-05
7:	7.8011e+00	7.8011e+00	1e-05	3e-06	8e-16	3e-07
8:	7.8011e+00	7.8011e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7965e+00	6.8028e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5656e+00	9.5683e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0330e+01	1.0331e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0468e+01	1.0468e+01	3e-02	9e-03	6e-16	7e-04
5:	1.0479e+01	1.0479e+01	3e-04	9e-05	9e-16	7e-06
6:	1.0479e+01	1.0479e+01	3e-06	9e-07	7e-16	7e-08
7:	1.0479e+01	1.0479e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2447e+00	3.2449e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2679e+00	6.2680e+00	1e+00	4e-01	1e-15	3e-02
3:	6.7758e+00	6.7758e+00	2e-01	7e-02	4e-15	6e-03
4:	6.8747e+00	6.8747e+00	7e-02	2e-02	2e-15	2e-03
5:	6.8956e+00	6.8956e+00	2e-02	6e-03	5e-15	5e-04
6:	6.9037e+00	6.9037e+00	6e-04	2e-04	1e-15	1e-05
7:	6.9040e+00	6.9040e+00	6e-06	2e-06	3e-15	1e-07
8:	6.9040e+00	6.9040e+00	6e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8871e+00	6.8912e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0141e+01	1.0142e+01	2e+00	6e-01	3e-15	5e-02
3:	1.0845e+01	1.0845e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0991e+01	1.0991e+01	2e-02	7e-03	5e-15	5e-04
5:	1.1000e+01	1.1000e+01	2e-04	7e-05	1e-15	5e-06
6:	1.1000e+01	1.1000e+01	2e-06	7e-07	1e-15	5e-08
7:	1.1000e+01	1.1000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8206e+00	5.8240e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0013e+01	1.0014e+01	1e+00	5e-01	1e-15	4e-02
3:	1.0700e+01	1.0701e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0746e+01	1.0746e+01	1e-01	3e-02	7e-15	2e-03
5:	1.0791e+01	1.0791e+01	1e-02	3e-03	1e-15	2e-04
6:	1.0794e+01	1.0794e+01	1e-04	4e-05	5e-15	3e-06
7:	1.0794e+01	1.0794e+01	1e-06	4e-07	3e-15	3e-08
8:	1.0794e+01	1.0794e+01	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9364e+00	6.9407e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7779e+00	9.7797e+00	2e+00	6e-01	2e-15	5e-02
3:	1.0802e+01	1.0803e+01	3e-01	9e-02	1e-15	7e-03
4:	1.0932e+01	1.0932e+01	6e-02	2e-02	4e-15	2e-03
5:	1.0954e+01	1.0954e+01	1e-02	3e-03	2e-14	2e-04
6:	1.0958e+01	1.0958e+01	8e-04	3e-04	7e-15	2e-05
7:	1.0959e+01	1.0959e+01	1e-05	5e-06	2e-15	3e-07
8:	1.0959e+01	1.0959e+01	1e-07	5e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5660e+00	5.5657e+00	6e+00	2e+00	4e-16	2e-01
2:	8.1898e+00	8.1897e+00	2e+00	5e-01	3e-15	4e-02
3:	8.9232e+00	8.9232e+00	2e-01	8e-02	2e-15	6e-03
4:	9.0633e+00	9.0633e+00	2e-02	5e-03	1e-15	4e-04
5:	9.0719e+00	9.0719e+00	5e-04	1e-04	1e-14	1e-05
6:	9.0721e+00	9.0721e+00	5e-06	1e-06	2e-15	1e-07
7:	9.0721e+00	9.0721e+00	5e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9145e+00	6.9189e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0231e+01	1.0233e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0955e+01	1.0956e+01	1e-01	4e-02	2e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	4e-04	1e-15	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-15	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3047e+00	8.3063e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0855e+01	1.0855e+01	4e-01	1e-01	2e-15	1e-02
3:	1.0998e+01	1.0998e+01	4e-03	1e-03	1e-15	1e-04
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	1e-15	1e-06
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7487e+00	6.7532e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9343e+00	9.9362e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0666e+01	1.0666e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0884e+01	1.0884e+01	6e-02	2e-02	2e-15	1e-03
5:	1.0912e+01	1.0912e+01	2e-03	7e-04	8e-16	5e-05
6:	1.0913e+01	1.0913e+01	2e-05	7e-06	3e-15	5e-07
7:	1.0913e+01	1.0913e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5884e+00	4.5982e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6590e+00	8.6613e+00	1e+00	3e-01	2e-15	2e-02
3:	9.0173e+00	9.0176e+00	1e-01	4e-02	2e-15	3e-03
4:	9.0736e+00	9.0736e+00	1e-02	3e-03	3e-15	3e-04
5:	9.0775e+00	9.0775e+00	1e-03	3e-04	4e-15	3e-05
6:	9.0779e+00	9.0779e+00	2e-05	5e-06	5e-15	4e-07
7:	9.0779e+00	9.0779e+00	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3249e+00	6.3299e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0236e+01	1.0238e+01	2e+00	6e-01	1e-15	4e-02
3:	1.0857e+01	1.0857e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0988e+01	1.0988e+01	3e-02	1e-02	7e-15	8e-04
5:	1.1000e+01	1.1000e+01	3e-04	1e-04	2e-15	8e-06
6:	1.1000e+01	1.1000e+01	3e-06	1e-06	2e-15	8e-08
7:	1.1000e+01	1.1000e+01	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6581e+00	3.6595e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5046e+00	6.5050e+00	1e+00	4e-01	1e-15	3e-02
3:	7.0589e+00	7.0590e+00	2e-01	7e-02	8e-16	6e-03
4:	7.1762e+00	7.1762e+00	2e-02	7e-03	1e-15	6e-04
5:	7.1838e+00	7.1838e+00	3e-03	1e-03	2e-14	8e-05
6:	7.1852e+00	7.1852e+00	1e-04	4e-05	4e-15	3e-06
7:	7.1853e+00	7.1853e+00	1e-06	4e-07	8e-15	3e-08
8:	7.1853e+00	7.1853e+00	1e-08	4e-09	6e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2253e+00	4.2272e+00	6e+00	2e+00	3e-16	2e-01
2:	7.4541e+00	7.4547e+00	1e+00	3e-01	2e-15	2e-02
3:	7.8095e+00	7.8097e+00	3e-01	8e-02	1e-15	6e-03
4:	7.9359e+00	7.9360e+00	6e-02	2e-02	7e-16	1e-03

5:	7.9471e+00	7.9472e+00	3e-02	9e-03	5e-15	7e-04
6:	7.9597e+00	7.9597e+00	2e-03	7e-04	1e-15	6e-05
7:	7.9607e+00	7.9607e+00	2e-05	7e-06	1e-15	6e-07
8:	7.9607e+00	7.9607e+00	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9734e+00	3.9809e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3740e+00	7.3760e+00	1e+00	4e-01	1e-15	3e-02
3:	7.8647e+00	7.8650e+00	2e-01	5e-02	1e-15	4e-03
4:	7.9327e+00	7.9328e+00	1e-02	3e-03	1e-15	2e-04
5:	7.9362e+00	7.9362e+00	1e-04	3e-05	1e-15	2e-06
6:	7.9362e+00	7.9362e+00	1e-06	3e-07	2e-15	2e-08
7:	7.9362e+00	7.9362e+00	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0360e+00	7.0381e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0062e+01	1.0063e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0885e+01	1.0885e+01	4e-01	1e-01	2e-15	9e-03
4:	1.0987e+01	1.0987e+01	3e-02	9e-03	8e-15	7e-04
5:	1.1000e+01	1.1000e+01	3e-04	9e-05	1e-15	7e-06
6:	1.1000e+01	1.1000e+01	3e-06	9e-07	9e-16	7e-08
7:	1.1000e+01	1.1000e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3118e+00	4.3127e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7086e+00	6.7089e+00	1e+00	4e-01	3e-15	3e-02
3:	7.2542e+00	7.2544e+00	4e-01	1e-01	1e-15	1e-02
4:	7.3921e+00	7.3922e+00	1e-01	4e-02	8e-16	3e-03
5:	7.4133e+00	7.4133e+00	6e-02	2e-02	2e-15	1e-03
6:	7.4232e+00	7.4232e+00	4e-02	1e-02	2e-15	9e-04
7:	7.4363e+00	7.4363e+00	1e-03	4e-04	2e-15	3e-05
8:	7.4369e+00	7.4369e+00	1e-05	4e-06	1e-15	3e-07
9:	7.4369e+00	7.4369e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1119e+00	7.1202e+00	7e+00	2e+00	3e-16	1e-01
2:	9.4632e+00	9.4670e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0293e+01	1.0294e+01	4e-01	1e-01	8e-16	9e-03
4:	1.0481e+01	1.0481e+01	4e-02	1e-02	1e-15	9e-04
5:	1.0499e+01	1.0499e+01	3e-03	9e-04	9e-16	7e-05
6:	1.0500e+01	1.0500e+01	3e-05	9e-06	1e-15	7e-07
7:	1.0500e+01	1.0500e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8368e+00	6.8437e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0019e+01	1.0022e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0856e+01	1.0857e+01	3e-01	1e-01	2e-15	8e-03
4:	1.0980e+01	1.0980e+01	6e-02	2e-02	8e-15	2e-03
5:	1.0999e+01	1.0999e+01	2e-03	6e-04	1e-14	5e-05
6:	1.1000e+01	1.1000e+01	2e-05	6e-06	6e-15	5e-07
7:	1.1000e+01	1.1000e+01	2e-07	6e-08	7e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9798e+00	5.9894e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0185e+01	1.0188e+01	2e+00	5e-01	1e-15	3e-02
3:	1.0905e+01	1.0905e+01	2e-01	6e-02	2e-15	5e-03
4:	1.0992e+01	1.0992e+01	3e-02	1e-02	8e-15	8e-04
5:	1.1000e+01	1.1000e+01	1e-03	4e-04	6e-14	3e-05
6:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-14	3e-07
7:	1.1000e+01	1.1000e+01	1e-07	4e-08	2e-14	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4734e+00	6.4794e+00	7e+00	2e+00	2e-16	1e-01
2:	9.5895e+00	9.5918e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0145e+01	1.0146e+01	2e-01	8e-02	8e-16	6e-03
4:	1.0240e+01	1.0240e+01	2e-02	5e-03	9e-16	4e-04
5:	1.0247e+01	1.0247e+01	2e-03	6e-04	6e-16	5e-05
6:	1.0247e+01	1.0247e+01	2e-05	6e-06	6e-16	5e-07
7:	1.0248e+01	1.0248e+01	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7391e+00	5.7455e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4907e+00	9.4926e+00	1e+00	5e-01	1e-15	3e-02
3:	1.0074e+01	1.0075e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0207e+01	1.0207e+01	6e-02	2e-02	6e-15	1e-03
5:	1.0226e+01	1.0226e+01	1e-02	4e-03	2e-15	3e-04
6:	1.0231e+01	1.0231e+01	8e-04	3e-04	8e-15	2e-05
7:	1.0231e+01	1.0231e+01	8e-06	3e-06	1e-15	2e-07
8:	1.0231e+01	1.0231e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6002e+00	6.6085e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4945e+00	9.4973e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0254e+01	1.0255e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0357e+01	1.0357e+01	1e-01	3e-02	3e-15	2e-03
5:	1.0412e+01	1.0412e+01	7e-03	2e-03	1e-15	2e-04
6:	1.0416e+01	1.0416e+01	7e-05	2e-05	1e-15	2e-06

7: 1.0416e+01 1.0416e+01 7e-07 2e-07 2e-15 2e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3709e+00	5.3782e+00	8e+00	2e+00	3e-16	2e-01
2:	7.9136e+00	7.9159e+00	2e+00	6e-01	1e-15	4e-02
3:	8.5585e+00	8.5591e+00	4e-01	1e-01	1e-15	1e-02
4:	8.7416e+00	8.7418e+00	9e-02	3e-02	1e-15	2e-03
5:	8.7790e+00	8.7791e+00	9e-03	3e-03	1e-15	2e-04
6:	8.7809e+00	8.7809e+00	4e-03	1e-03	2e-14	1e-04
7:	8.7828e+00	8.7828e+00	5e-05	2e-05	9e-16	1e-06
8:	8.7828e+00	8.7828e+00	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7005e+00	6.7066e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6295e+00	9.6318e+00	2e+00	6e-01	8e-16	4e-02
3:	1.0226e+01	1.0227e+01	7e-01	2e-01	7e-16	2e-02
4:	1.0468e+01	1.0469e+01	1e-01	4e-02	1e-15	3e-03
5:	1.0516e+01	1.0516e+01	9e-03	3e-03	5e-15	2e-04
6:	1.0521e+01	1.0521e+01	2e-04	5e-05	4e-16	4e-06
7:	1.0521e+01	1.0521e+01	2e-06	5e-07	2e-15	4e-08
8:	1.0521e+01	1.0521e+01	2e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7188e+00	5.7274e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5609e+00	8.5634e+00	1e+00	4e-01	2e-15	3e-02
3:	9.1190e+00	9.1195e+00	2e-01	7e-02	8e-16	5e-03
4:	9.2123e+00	9.2124e+00	4e-02	1e-02	1e-15	9e-04
5:	9.2325e+00	9.2325e+00	2e-03	6e-04	1e-15	4e-05
6:	9.2334e+00	9.2334e+00	2e-05	6e-06	1e-15	4e-07
7:	9.2334e+00	9.2334e+00	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5008e+00	7.5054e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0763e+01	1.0764e+01	7e-01	2e-01	2e-15	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	1e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	9e-16	3e-08
6:	1.1000e+01	1.1000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2859e+00	6.2889e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6162e+00	9.6173e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0415e+01	1.0415e+01	3e-01	9e-02	2e-15	7e-03

4:	1.0512e+01	1.0512e+01	6e-02	2e-02	4e-15	1e-03
5:	1.0542e+01	1.0542e+01	1e-02	4e-03	2e-15	3e-04
6:	1.0548e+01	1.0548e+01	1e-03	4e-04	1e-14	3e-05
7:	1.0548e+01	1.0548e+01	1e-05	4e-06	1e-15	3e-07
8:	1.0548e+01	1.0548e+01	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9761e+00	6.9790e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0272e+01	1.0273e+01	2e+00	5e-01	3e-15	4e-02
3:	1.0901e+01	1.0901e+01	3e-01	9e-02	3e-15	7e-03
4:	1.0998e+01	1.0998e+01	6e-03	2e-03	5e-15	1e-04
5:	1.1000e+01	1.1000e+01	6e-05	2e-05	2e-15	1e-06
6:	1.1000e+01	1.1000e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5658e+00	7.5692e+00	6e+00	2e+00	2e-16	2e-01
2:	1.0573e+01	1.0574e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0979e+01	1.0979e+01	5e-02	2e-02	3e-15	1e-03
4:	1.1000e+01	1.1000e+01	5e-04	2e-04	1e-15	1e-05
5:	1.1000e+01	1.1000e+01	5e-06	2e-06	9e-16	1e-07
6:	1.1000e+01	1.1000e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.4882e+00	4.4989e+00	8e+00	2e+00	3e-16	2e-01
2:	7.2318e+00	7.2360e+00	2e+00	6e-01	1e-15	4e-02
3:	7.8991e+00	7.9006e+00	7e-01	2e-01	6e-16	2e-02
4:	8.1170e+00	8.1174e+00	1e-01	5e-02	1e-15	3e-03
5:	8.1735e+00	8.1736e+00	2e-02	5e-03	8e-16	4e-04
6:	8.1813e+00	8.1813e+00	4e-04	1e-04	9e-16	9e-06
7:	8.1815e+00	8.1815e+00	4e-06	1e-06	7e-16	9e-08
8:	8.1815e+00	8.1815e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3464e+00	5.3528e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0994e+00	9.1013e+00	1e+00	5e-01	3e-15	3e-02
3:	9.6294e+00	9.6300e+00	4e-01	1e-01	2e-15	9e-03
4:	9.8046e+00	9.8048e+00	6e-02	2e-02	7e-16	1e-03
5:	9.8181e+00	9.8181e+00	2e-02	8e-03	4e-15	6e-04
6:	9.8286e+00	9.8286e+00	3e-04	8e-05	5e-16	6e-06
7:	9.8287e+00	9.8287e+00	3e-06	8e-07	6e-16	6e-08
8:	9.8287e+00	9.8287e+00	3e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.9954e+00	7.9987e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0692e+01	1.0693e+01	8e-01	2e-01	2e-15	2e-02
3:	1.0996e+01	1.0996e+01	9e-03	3e-03	1e-15	2e-04
4:	1.1000e+01	1.1000e+01	9e-05	3e-05	9e-16	2e-06
5:	1.1000e+01	1.1000e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1406e+00	8.1427e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0661e+01	1.0662e+01	9e-01	3e-01	1e-15	2e-02
3:	1.0990e+01	1.0990e+01	2e-02	8e-03	3e-15	6e-04
4:	1.1000e+01	1.1000e+01	2e-04	8e-05	5e-16	6e-06
5:	1.1000e+01	1.1000e+01	2e-06	8e-07	8e-16	6e-08
6:	1.1000e+01	1.1000e+01	2e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0464e+00	6.0533e+00	8e+00	2e+00	3e-16	2e-01
2:	9.6884e+00	9.6903e+00	2e+00	5e-01	2e-15	3e-02
3:	1.0261e+01	1.0262e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0480e+01	1.0480e+01	1e-01	3e-02	9e-16	2e-03
5:	1.0526e+01	1.0526e+01	9e-03	3e-03	7e-16	2e-04
6:	1.0530e+01	1.0530e+01	9e-05	3e-05	6e-16	2e-06
7:	1.0530e+01	1.0530e+01	9e-07	3e-07	7e-16	2e-08
8:	1.0530e+01	1.0530e+01	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3868e+00	6.3933e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0242e+01	1.0244e+01	1e+00	5e-01	1e-15	3e-02
3:	1.0902e+01	1.0902e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0990e+01	1.0990e+01	2e-02	7e-03	9e-15	6e-04
5:	1.1000e+01	1.1000e+01	2e-04	7e-05	1e-15	6e-06
6:	1.1000e+01	1.1000e+01	2e-06	7e-07	1e-15	6e-08
7:	1.1000e+01	1.1000e+01	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5713e+00	7.5749e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0482e+01	1.0483e+01	1e+00	5e-01	1e-15	3e-02
3:	1.0976e+01	1.0977e+01	6e-02	2e-02	1e-15	1e-03
4:	1.1000e+01	1.1000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.1000e+01	1.1000e+01	6e-06	2e-06	9e-16	1e-07
6:	1.1000e+01	1.1000e+01	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7255e+00	7.7294e+00	6e+00	2e+00	2e-16	1e-01



2:	1.0562e+01	1.0563e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0987e+01	1.0987e+01	3e-02	1e-02	1e-15	7e-04
4:	1.1000e+01	1.1000e+01	3e-04	1e-04	9e-16	7e-06
5:	1.1000e+01	1.1000e+01	3e-06	1e-06	1e-15	7e-08
6:	1.1000e+01	1.1000e+01	3e-08	1e-08	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3063e+00	6.3118e+00	7e+00	2e+00	3e-16	1e-01
2:	9.0475e+00	9.0494e+00	1e+00	4e-01	1e-15	3e-02
3:	9.4829e+00	9.4834e+00	4e-01	1e-01	1e-15	9e-03
4:	9.6406e+00	9.6407e+00	7e-02	2e-02	1e-15	2e-03
5:	9.6723e+00	9.6723e+00	6e-03	2e-03	1e-15	1e-04
6:	9.6748e+00	9.6748e+00	9e-05	3e-05	2e-15	2e-06
7:	9.6749e+00	9.6749e+00	9e-07	3e-07	2e-15	2e-08
8:	9.6749e+00	9.6749e+00	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0783e+00	8.0800e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0641e+01	1.0641e+01	9e-01	3e-01	1e-15	2e-02
3:	1.0996e+01	1.0996e+01	1e-02	3e-03	1e-15	2e-04
4:	1.1000e+01	1.1000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.1000e+01	1.1000e+01	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4319e+00	6.4366e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0032e+01	1.0033e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0907e+01	1.0908e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0983e+01	1.0983e+01	4e-02	1e-02	1e-14	9e-04
5:	1.1000e+01	1.1000e+01	4e-04	1e-04	7e-16	9e-06
6:	1.1000e+01	1.1000e+01	4e-06	1e-06	8e-16	9e-08
7:	1.1000e+01	1.1000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1955e+00	7.2005e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0164e+01	1.0166e+01	2e+00	6e-01	2e-15	5e-02
3:	1.0846e+01	1.0846e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1080e+01	1.1080e+01	7e-02	2e-02	3e-15	2e-03
5:	1.1113e+01	1.1113e+01	8e-03	3e-03	9e-16	2e-04
6:	1.1116e+01	1.1116e+01	5e-04	2e-04	2e-15	1e-05
7:	1.1117e+01	1.1117e+01	5e-06	2e-06	3e-15	1e-07
8:	1.1117e+01	1.1117e+01	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.8211e+00	6.8238e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0035e+01	1.0035e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0701e+01	1.0701e+01	2e-01	8e-02	1e-15	6e-03
4:	1.0790e+01	1.0790e+01	5e-02	2e-02	2e-15	1e-03
5:	1.0820e+01	1.0820e+01	4e-03	1e-03	8e-16	9e-05
6:	1.0822e+01	1.0822e+01	4e-05	1e-05	1e-15	9e-07
7:	1.0822e+01	1.0822e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7275e+00	5.7327e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3285e+00	9.3297e+00	9e-01	3e-01	1e-15	2e-02
3:	9.6628e+00	9.6631e+00	2e-01	6e-02	1e-15	4e-03
4:	9.7279e+00	9.7280e+00	3e-02	1e-02	5e-15	7e-04
5:	9.7366e+00	9.7366e+00	1e-02	4e-03	3e-15	3e-04
6:	9.7419e+00	9.7419e+00	2e-04	5e-05	2e-15	4e-06
7:	9.7420e+00	9.7420e+00	2e-06	5e-07	3e-15	4e-08
8:	9.7420e+00	9.7420e+00	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6225e+00	5.6228e+00	6e+00	2e+00	3e-16	2e-01
2:	9.0987e+00	9.0988e+00	2e+00	5e-01	3e-15	4e-02
3:	9.7105e+00	9.7105e+00	4e-01	1e-01	2e-15	9e-03
4:	9.8464e+00	9.8464e+00	1e-01	4e-02	2e-15	3e-03
5:	9.8920e+00	9.8920e+00	2e-02	5e-03	2e-15	4e-04
6:	9.8999e+00	9.8999e+00	3e-04	1e-04	1e-15	8e-06
7:	9.9000e+00	9.9000e+00	3e-06	1e-06	1e-15	8e-08
8:	9.9000e+00	9.9000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6334e+00	7.6390e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0601e+01	1.0603e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1560e+01	1.1561e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1716e+01	1.1716e+01	5e-02	2e-02	2e-15	1e-03
5:	1.1730e+01	1.1730e+01	1e-02	3e-03	8e-15	3e-04
6:	1.1734e+01	1.1734e+01	9e-04	3e-04	1e-15	2e-05
7:	1.1734e+01	1.1734e+01	9e-06	3e-06	5e-15	2e-07
8:	1.1734e+01	1.1734e+01	9e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8271e+00	5.8388e+00	8e+00	2e+00	2e-16	2e-01
2:	9.5627e+00	9.5661e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0280e+01	1.0281e+01	2e-01	7e-02	1e-15	5e-03
4:	1.0380e+01	1.0381e+01	3e-02	1e-02	8e-16	8e-04
5:	1.0393e+01	1.0393e+01	8e-04	3e-04	4e-15	2e-05

6:	1.0393e+01	1.0393e+01	8e-06	3e-06	1e-15	2e-07
7:	1.0393e+01	1.0393e+01	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0859e+00	8.0891e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1195e+01	1.1196e+01	7e-01	2e-01	1e-15	2e-02
3:	1.1525e+01	1.1526e+01	1e-01	4e-02	1e-15	3e-03
4:	1.1580e+01	1.1580e+01	3e-03	8e-04	9e-16	7e-05
5:	1.1581e+01	1.1581e+01	3e-05	8e-06	8e-16	7e-07
6:	1.1581e+01	1.1581e+01	3e-07	8e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9756e+00	5.9762e+00	6e+00	2e+00	5e-16	2e-01
2:	9.5246e+00	9.5248e+00	1e+00	4e-01	2e-15	3e-02
3:	1.0042e+01	1.0042e+01	3e-01	8e-02	2e-15	6e-03
4:	1.0199e+01	1.0199e+01	8e-03	3e-03	1e-15	2e-04
5:	1.0203e+01	1.0203e+01	1e-04	4e-05	2e-15	3e-06
6:	1.0203e+01	1.0203e+01	1e-05	3e-06	5e-12	2e-07
7:	1.0203e+01	1.0203e+01	1e-07	4e-08	6e-12	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5625e+00	5.5651e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6419e+00	8.6429e+00	2e+00	6e-01	1e-15	4e-02
3:	9.5701e+00	9.5703e+00	2e-01	7e-02	1e-15	5e-03
4:	9.6876e+00	9.6876e+00	4e-02	1e-02	9e-16	1e-03
5:	9.7070e+00	9.7070e+00	1e-03	4e-04	3e-15	3e-05
6:	9.7076e+00	9.7076e+00	1e-05	4e-06	1e-15	3e-07
7:	9.7076e+00	9.7076e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8661e+00	5.8696e+00	7e+00	2e+00	2e-16	2e-01
2:	9.1409e+00	9.1426e+00	2e+00	7e-01	2e-15	5e-02
3:	9.9622e+00	9.9628e+00	5e-01	1e-01	9e-16	1e-02
4:	1.0139e+01	1.0139e+01	9e-02	3e-02	8e-16	2e-03
5:	1.0165e+01	1.0165e+01	4e-02	1e-02	4e-16	9e-04
6:	1.0172e+01	1.0173e+01	2e-02	6e-03	2e-15	5e-04
7:	1.0181e+01	1.0181e+01	1e-03	3e-04	4e-16	2e-05
8:	1.0181e+01	1.0181e+01	2e-05	7e-06	5e-16	5e-07
9:	1.0181e+01	1.0181e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3672e+00	7.3726e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0714e+01	1.0716e+01	2e+00	5e-01	1e-15	4e-02

3:	1.1312e+01	1.1313e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1452e+01	1.1452e+01	7e-02	2e-02	8e-16	2e-03
5:	1.1485e+01	1.1485e+01	6e-03	2e-03	8e-16	2e-04
6:	1.1488e+01	1.1488e+01	6e-05	2e-05	2e-15	2e-06
7:	1.1488e+01	1.1488e+01	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5200e+00	6.5295e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0020e+01	1.0023e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0659e+01	1.0659e+01	2e-01	6e-02	7e-16	4e-03
4:	1.0757e+01	1.0757e+01	6e-03	2e-03	1e-15	1e-04
5:	1.0760e+01	1.0760e+01	6e-05	2e-05	8e-16	1e-06
6:	1.0760e+01	1.0760e+01	6e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8333e+00	5.8412e+00	8e+00	2e+00	2e-16	2e-01
2:	9.3662e+00	9.3688e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0220e+01	1.0221e+01	2e-01	6e-02	1e-15	4e-03
4:	1.0298e+01	1.0298e+01	5e-02	2e-02	5e-15	1e-03
5:	1.0324e+01	1.0324e+01	6e-03	2e-03	1e-15	1e-04
6:	1.0327e+01	1.0327e+01	6e-05	2e-05	1e-15	1e-06
7:	1.0327e+01	1.0327e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4659e+00	7.4707e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0561e+01	1.0563e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1379e+01	1.1380e+01	7e-01	2e-01	1e-15	2e-02
4:	1.1689e+01	1.1690e+01	1e-01	4e-02	2e-15	3e-03
5:	1.1750e+01	1.1750e+01	3e-03	9e-04	2e-15	7e-05
6:	1.1752e+01	1.1752e+01	3e-05	1e-05	2e-15	7e-07
7:	1.1752e+01	1.1752e+01	3e-07	1e-07	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9051e+00	7.9099e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1386e+01	1.1387e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1951e+01	1.1951e+01	1e-01	4e-02	3e-15	3e-03
4:	1.1999e+01	1.1999e+01	2e-03	6e-04	2e-15	4e-05
5:	1.2000e+01	1.2000e+01	2e-05	6e-06	3e-15	4e-07
6:	1.2000e+01	1.2000e+01	2e-07	6e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9668e+00	5.9745e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0154e+01	1.0157e+01	2e+00	6e-01	7e-16	4e-02

3:	1.0894e+01	1.0895e+01	3e-01	8e-02	1e-15	6e-03
4:	1.0971e+01	1.0971e+01	5e-02	2e-02	2e-15	1e-03
5:	1.0992e+01	1.0992e+01	9e-03	3e-03	7e-16	2e-04
6:	1.0995e+01	1.0995e+01	9e-05	3e-05	1e-15	2e-06
7:	1.0996e+01	1.0996e+01	9e-07	3e-07	1e-15	2e-08
8:	1.0996e+01	1.0996e+01	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2537e+00	5.2607e+00	7e+00	2e+00	5e-16	2e-01
2:	8.8734e+00	8.8754e+00	1e+00	4e-01	1e-15	3e-02
3:	9.2236e+00	9.2244e+00	4e-01	1e-01	2e-15	1e-02
4:	9.3828e+00	9.3831e+00	1e-01	4e-02	3e-15	3e-03
5:	9.4309e+00	9.4310e+00	3e-02	1e-02	2e-15	8e-04
6:	9.4471e+00	9.4471e+00	3e-03	1e-03	2e-15	7e-05
7:	9.4484e+00	9.4484e+00	1e-04	4e-05	4e-14	3e-06
8:	9.4485e+00	9.4485e+00	1e-06	4e-07	1e-14	3e-08
9:	9.4485e+00	9.4485e+00	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8780e+00	4.8863e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6232e+00	7.6253e+00	1e+00	4e-01	1e-15	3e-02
3:	8.2034e+00	8.2039e+00	2e-01	8e-02	3e-15	6e-03
4:	8.2657e+00	8.2659e+00	6e-02	2e-02	2e-15	1e-03
5:	8.2883e+00	8.2883e+00	6e-03	2e-03	9e-16	1e-04
6:	8.2909e+00	8.2909e+00	9e-05	3e-05	7e-16	2e-06
7:	8.2910e+00	8.2910e+00	9e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3338e+00	7.3403e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0240e+01	1.0244e+01	3e+00	8e-01	2e-15	6e-02
3:	1.1414e+01	1.1414e+01	4e-01	1e-01	9e-16	1e-02
4:	1.1637e+01	1.1637e+01	8e-02	2e-02	3e-15	2e-03
5:	1.1666e+01	1.1666e+01	2e-02	6e-03	8e-15	4e-04
6:	1.1675e+01	1.1675e+01	3e-04	1e-04	3e-15	8e-06
7:	1.1675e+01	1.1675e+01	3e-06	1e-06	4e-15	8e-08
8:	1.1675e+01	1.1675e+01	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5181e+00	7.5252e+00	7e+00	2e+00	5e-16	2e-01
2:	1.1363e+01	1.1365e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1773e+01	1.1773e+01	2e-01	7e-02	2e-15	5e-03
4:	1.1879e+01	1.1879e+01	3e-02	9e-03	1e-15	7e-04
5:	1.1893e+01	1.1893e+01	3e-03	9e-04	6e-15	7e-05
6:	1.1894e+01	1.1894e+01	3e-05	9e-06	3e-15	7e-07

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7: 1.1894e+01 1.1894e+01 3e-07 9e-08 4e-15 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.9312e+00 5.9373e+00 8e+00 2e+00 3e-16 2e-01
2: 9.0003e+00 9.0016e+00 1e+00 3e-01 2e-15 2e-02
3: 9.4673e+00 9.4677e+00 2e-01 5e-02 6e-16 4e-03
4: 9.5313e+00 9.5314e+00 2e-02 8e-03 8e-16 6e-04
5: 9.5414e+00 9.5414e+00 4e-03 1e-03 1e-15 9e-05
6: 9.5428e+00 9.5428e+00 4e-05 1e-05 1e-15 1e-06
7: 9.5429e+00 9.5429e+00 4e-07 1e-07 2e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.2194e+00 5.2308e+00 8e+00 3e+00 2e-16 2e-01
2: 8.2739e+00 8.2789e+00 3e+00 9e-01 1e-15 6e-02
3: 9.3510e+00 9.3521e+00 5e-01 2e-01 1e-15 1e-02
4: 9.5829e+00 9.5831e+00 5e-02 1e-02 1e-15 1e-03
5: 9.6052e+00 9.6052e+00 5e-04 2e-04 5e-16 1e-05
6: 9.6055e+00 9.6055e+00 5e-06 2e-06 6e-16 1e-07
7: 9.6055e+00 9.6055e+00 5e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.6458e+00 5.6522e+00 7e+00 2e+00 3e-16 2e-01
2: 9.4326e+00 9.4346e+00 2e+00 5e-01 2e-15 4e-02
3: 1.0069e+01 1.0069e+01 2e-01 7e-02 9e-16 5e-03
4: 1.0182e+01 1.0182e+01 8e-03 2e-03 1e-15 2e-04
5: 1.0186e+01 1.0186e+01 8e-05 2e-05 7e-16 2e-06
6: 1.0186e+01 1.0186e+01 8e-07 2e-07 1e-15 2e-08
7: 1.0186e+01 1.0186e+01 8e-09 2e-09 2e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.1305e+00 8.1317e+00 7e+00 2e+00 2e-16 2e-01
2: 1.1523e+01 1.1523e+01 1e+00 4e-01 1e-15 3e-02
3: 1.1973e+01 1.1973e+01 6e-02 2e-02 2e-15 2e-03
4: 1.2000e+01 1.2000e+01 6e-04 2e-04 6e-16 2e-05
5: 1.2000e+01 1.2000e+01 6e-06 2e-06 5e-16 2e-07
6: 1.2000e+01 1.2000e+01 6e-08 2e-08 5e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.8725e+00 6.8771e+00 6e+00 2e+00 3e-16 1e-01
2: 1.0154e+01 1.0155e+01 2e+00 5e-01 2e-15 4e-02
3: 1.0724e+01 1.0725e+01 4e-01 1e-01 3e-15 9e-03
4: 1.0932e+01 1.0932e+01 3e-02 9e-03 2e-15 7e-04
5: 1.0945e+01 1.0945e+01 3e-04 9e-05 1e-15 7e-06

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6:	1.0945e+01	1.0945e+01	3e-06	9e-07	1e-15	7e-08
7:	1.0945e+01	1.0945e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9263e+00	6.9345e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0212e+01	1.0216e+01	2e+00	8e-01	2e-15	6e-02
3:	1.1230e+01	1.1231e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1477e+01	1.1478e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1520e+01	1.1521e+01	3e-02	1e-02	5e-15	8e-04
6:	1.1536e+01	1.1536e+01	4e-04	1e-04	1e-15	1e-05
7:	1.1536e+01	1.1536e+01	4e-06	1e-06	2e-15	1e-07
8:	1.1536e+01	1.1536e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2662e+00	7.2750e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0209e+01	1.0212e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0851e+01	1.0852e+01	7e-01	2e-01	1e-15	2e-02
4:	1.1088e+01	1.1088e+01	2e-01	6e-02	1e-15	4e-03
5:	1.1152e+01	1.1152e+01	5e-02	2e-02	3e-15	1e-03
6:	1.1167e+01	1.1167e+01	1e-02	4e-03	1e-14	3e-04
7:	1.1173e+01	1.1173e+01	1e-03	4e-04	1e-15	4e-05
8:	1.1174e+01	1.1174e+01	1e-05	5e-06	5e-15	4e-07
9:	1.1174e+01	1.1174e+01	1e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4707e+00	7.4810e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0651e+01	1.0654e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1397e+01	1.1398e+01	2e-01	5e-02	2e-15	4e-03
4:	1.1451e+01	1.1452e+01	4e-02	1e-02	8e-15	1e-03
5:	1.1466e+01	1.1466e+01	9e-03	3e-03	6e-15	2e-04
6:	1.1469e+01	1.1469e+01	9e-04	3e-04	2e-14	2e-05
7:	1.1469e+01	1.1469e+01	9e-06	3e-06	7e-14	2e-07
8:	1.1469e+01	1.1469e+01	9e-08	3e-08	6e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3565e+00	9.3576e+00	5e+00	2e+00	5e-16	1e-01
2:	1.1853e+01	1.1853e+01	3e-01	1e-01	2e-15	8e-03
3:	1.1998e+01	1.1998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.2000e+01	1.2000e+01	3e-05	1e-05	2e-15	8e-07
5:	1.2000e+01	1.2000e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3261e+00	6.3336e+00	7e+00	2e+00	4e-16	2e-01

2:	9.2007e+00	9.2046e+00	2e+00	8e-01	2e-15	6e-02
3:	1.0284e+01	1.0285e+01	6e-01	2e-01	8e-16	1e-02
4:	1.0498e+01	1.0498e+01	1e-01	3e-02	9e-16	2e-03
5:	1.0535e+01	1.0535e+01	2e-02	5e-03	3e-15	4e-04
6:	1.0543e+01	1.0543e+01	3e-04	9e-05	1e-15	6e-06
7:	1.0544e+01	1.0544e+01	3e-06	9e-07	1e-15	6e-08
8:	1.0544e+01	1.0544e+01	3e-08	9e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9755e+00	7.9797e+00	6e+00	2e+00	3e-16	2e-01
2:	1.1507e+01	1.1508e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1974e+01	1.1974e+01	8e-02	2e-02	4e-15	2e-03
4:	1.2000e+01	1.2000e+01	8e-04	3e-04	1e-15	2e-05
5:	1.2000e+01	1.2000e+01	8e-06	3e-06	2e-15	2e-07
6:	1.2000e+01	1.2000e+01	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0541e+00	8.0583e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0704e+01	1.0706e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1418e+01	1.1418e+01	4e-01	1e-01	3e-15	9e-03
4:	1.1578e+01	1.1578e+01	6e-02	2e-02	2e-15	1e-03
5:	1.1610e+01	1.1610e+01	2e-03	6e-04	2e-15	4e-05
6:	1.1611e+01	1.1611e+01	2e-05	6e-06	1e-15	4e-07
7:	1.1611e+01	1.1611e+01	2e-07	6e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2490e+00	6.2529e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0170e+01	1.0172e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0667e+01	1.0667e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0870e+01	1.0870e+01	1e-01	4e-02	1e-15	3e-03
5:	1.0924e+01	1.0924e+01	2e-02	6e-03	7e-16	5e-04
6:	1.0933e+01	1.0933e+01	2e-04	6e-05	9e-16	5e-06
7:	1.0933e+01	1.0933e+01	2e-06	6e-07	6e-16	5e-08
8:	1.0933e+01	1.0933e+01	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4686e+00	4.4759e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5542e+00	7.5562e+00	1e+00	5e-01	8e-16	3e-02
3:	8.2187e+00	8.2190e+00	2e-01	7e-02	1e-15	5e-03
4:	8.3002e+00	8.3003e+00	4e-02	1e-02	3e-15	1e-03
5:	8.3246e+00	8.3246e+00	3e-03	9e-04	1e-15	6e-05
6:	8.3259e+00	8.3259e+00	3e-05	9e-06	7e-16	6e-07
7:	8.3259e+00	8.3259e+00	3e-07	9e-08	9e-16	6e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2981e+00	6.3056e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0123e+01	1.0125e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0667e+01	1.0667e+01	1e-01	4e-02	8e-16	3e-03
4:	1.0719e+01	1.0719e+01	2e-02	7e-03	6e-15	5e-04
5:	1.0730e+01	1.0730e+01	2e-04	7e-05	9e-16	6e-06
6:	1.0730e+01	1.0730e+01	2e-06	7e-07	9e-16	6e-08
7:	1.0730e+01	1.0730e+01	2e-08	7e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7634e+00	6.7732e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0986e+01	1.0989e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1527e+01	1.1528e+01	2e-01	7e-02	2e-15	5e-03
4:	1.1631e+01	1.1631e+01	1e-02	5e-03	2e-15	3e-04
5:	1.1638e+01	1.1638e+01	1e-04	5e-05	7e-16	3e-06
6:	1.1638e+01	1.1638e+01	1e-06	5e-07	8e-16	3e-08
7:	1.1638e+01	1.1638e+01	1e-08	5e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7719e+00	5.7808e+00	7e+00	2e+00	2e-16	2e-01
2:	9.0357e+00	9.0389e+00	2e+00	5e-01	2e-15	4e-02
3:	9.6024e+00	9.6037e+00	6e-01	2e-01	1e-15	1e-02
4:	9.8056e+00	9.8057e+00	6e-02	2e-02	1e-15	1e-03
5:	9.8335e+00	9.8335e+00	9e-04	3e-04	8e-16	2e-05
6:	9.8339e+00	9.8339e+00	9e-06	3e-06	7e-16	2e-07
7:	9.8339e+00	9.8339e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3167e+00	7.3213e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1236e+01	1.1238e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1680e+01	1.1680e+01	4e-01	1e-01	2e-15	9e-03
4:	1.1801e+01	1.1801e+01	1e-01	4e-02	1e-15	3e-03
5:	1.1843e+01	1.1843e+01	3e-02	8e-03	3e-15	6e-04
6:	1.1855e+01	1.1855e+01	5e-04	2e-04	1e-15	1e-05
7:	1.1855e+01	1.1855e+01	5e-06	2e-06	8e-16	1e-07
8:	1.1855e+01	1.1855e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2616e+00	7.2685e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0418e+01	1.0420e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0840e+01	1.0840e+01	3e-01	1e-01	7e-16	7e-03
4:	1.0963e+01	1.0964e+01	2e-02	7e-03	1e-15	5e-04
5:	1.0974e+01	1.0974e+01	2e-04	7e-05	6e-16	5e-06

6:	1.0975e+01	1.0975e+01	2e-06	7e-07	5e-16	5e-08
7:	1.0975e+01	1.0975e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.0535e+00	5.0633e+00	8e+00	2e+00	3e-16	2e-01
2:	8.0899e+00	8.0925e+00	1e+00	4e-01	1e-15	3e-02
3:	8.6392e+00	8.6401e+00	4e-01	1e-01	3e-15	1e-02
4:	8.8759e+00	8.8761e+00	7e-02	2e-02	2e-15	2e-03
5:	8.9030e+00	8.9030e+00	1e-02	3e-03	1e-14	3e-04
6:	8.9077e+00	8.9077e+00	1e-03	5e-04	2e-14	4e-05
7:	8.9083e+00	8.9083e+00	2e-05	6e-06	2e-14	4e-07
8:	8.9084e+00	8.9084e+00	2e-07	6e-08	1e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8785e+00	5.8861e+00	8e+00	2e+00	2e-16	2e-01
2:	9.1647e+00	9.1683e+00	3e+00	8e-01	1e-15	6e-02
3:	1.0236e+01	1.0236e+01	5e-01	1e-01	8e-16	1e-02
4:	1.0391e+01	1.0391e+01	8e-02	3e-02	2e-15	2e-03
5:	1.0424e+01	1.0424e+01	8e-03	3e-03	1e-15	2e-04
6:	1.0428e+01	1.0428e+01	1e-04	4e-05	5e-16	3e-06
7:	1.0428e+01	1.0428e+01	1e-06	4e-07	7e-16	3e-08
8:	1.0428e+01	1.0428e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7849e+00	7.7926e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0589e+01	1.0592e+01	2e+00	5e-01	3e-15	4e-02
3:	1.1265e+01	1.1266e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1460e+01	1.1461e+01	5e-02	2e-02	1e-15	1e-03
5:	1.1485e+01	1.1485e+01	8e-04	3e-04	2e-15	2e-05
6:	1.1486e+01	1.1486e+01	8e-06	3e-06	9e-16	2e-07
7:	1.1486e+01	1.1486e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4780e+00	7.4823e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1501e+01	1.1502e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1960e+01	1.1960e+01	1e-01	3e-02	5e-15	3e-03
4:	1.2000e+01	1.2000e+01	1e-03	3e-04	6e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	3e-06	8e-16	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7505e+00	5.7572e+00	8e+00	3e+00	3e-16	2e-01
2:	8.4971e+00	8.4998e+00	3e+00	9e-01	1e-15	6e-02

3:	9.9718e+00	9.9725e+00	4e-01	1e-01	8e-16	1e-02
4:	1.0117e+01	1.0117e+01	8e-02	3e-02	4e-15	2e-03
5:	1.0146e+01	1.0146e+01	2e-02	5e-03	2e-15	4e-04
6:	1.0154e+01	1.0154e+01	9e-04	3e-04	5e-16	2e-05
7:	1.0154e+01	1.0154e+01	9e-06	3e-06	2e-15	2e-07
8:	1.0154e+01	1.0154e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4655e+00	6.4709e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4907e+00	9.4930e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0350e+01	1.0351e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0516e+01	1.0516e+01	4e-02	1e-02	2e-15	8e-04
5:	1.0535e+01	1.0535e+01	5e-04	2e-04	2e-15	1e-05
6:	1.0535e+01	1.0535e+01	5e-06	2e-06	2e-15	1e-07
7:	1.0535e+01	1.0535e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9484e+00	6.9513e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0516e+01	1.0517e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1306e+01	1.1306e+01	2e-01	6e-02	1e-15	5e-03
4:	1.1389e+01	1.1389e+01	3e-03	1e-03	2e-15	7e-05
5:	1.1390e+01	1.1390e+01	3e-05	1e-05	1e-15	7e-07
6:	1.1390e+01	1.1390e+01	3e-07	1e-07	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4092e+00	7.4129e+00	6e+00	2e+00	3e-16	2e-01
2:	1.0785e+01	1.0786e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1252e+01	1.1252e+01	2e-01	6e-02	1e-15	5e-03
4:	1.1345e+01	1.1345e+01	5e-03	2e-03	1e-15	1e-04
5:	1.1347e+01	1.1347e+01	5e-05	2e-05	6e-16	1e-06
6:	1.1347e+01	1.1347e+01	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6188e+00	5.6311e+00	8e+00	3e+00	3e-16	2e-01
2:	8.6388e+00	8.6427e+00	2e+00	6e-01	1e-15	4e-02
3:	9.4697e+00	9.4705e+00	3e-01	9e-02	5e-16	6e-03
4:	9.5759e+00	9.5759e+00	2e-02	6e-03	1e-15	4e-04
5:	9.5848e+00	9.5848e+00	8e-04	2e-04	9e-16	2e-05
6:	9.5851e+00	9.5851e+00	8e-06	2e-06	1e-15	2e-07
7:	9.5851e+00	9.5851e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.7827e+00	3.7933e+00	8e+00	2e+00	3e-16	2e-01

2:	6.6382e+00	6.6422e+00	2e+00	7e-01	1e-15	5e-02
3:	7.4738e+00	7.4743e+00	2e-01	6e-02	6e-16	4e-03
4:	7.5469e+00	7.5469e+00	2e-02	5e-03	1e-15	4e-04
5:	7.5542e+00	7.5542e+00	3e-03	8e-04	6e-16	6e-05
6:	7.5552e+00	7.5552e+00	5e-05	2e-05	1e-15	1e-06
7:	7.5553e+00	7.5553e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5117e+00	5.5182e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5489e+00	9.5505e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0013e+01	1.0014e+01	2e-01	6e-02	1e-15	4e-03
4:	1.0104e+01	1.0105e+01	1e-02	4e-03	3e-15	3e-04
5:	1.0111e+01	1.0111e+01	1e-04	4e-05	8e-16	3e-06
6:	1.0111e+01	1.0111e+01	1e-06	4e-07	1e-15	3e-08
7:	1.0111e+01	1.0111e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7653e+00	7.7769e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0440e+01	1.0446e+01	2e+00	8e-01	2e-15	6e-02
3:	1.1295e+01	1.1296e+01	7e-01	2e-01	1e-15	2e-02
4:	1.1539e+01	1.1539e+01	1e-01	4e-02	2e-15	3e-03
5:	1.1594e+01	1.1594e+01	3e-03	8e-04	1e-15	6e-05
6:	1.1595e+01	1.1595e+01	3e-05	8e-06	1e-15	6e-07
7:	1.1595e+01	1.1595e+01	3e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0444e+00	8.0535e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0982e+01	1.0986e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1818e+01	1.1819e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1998e+01	1.1998e+01	5e-02	2e-02	9e-16	1e-03
5:	1.2017e+01	1.2017e+01	4e-03	1e-03	4e-15	1e-04
6:	1.2019e+01	1.2019e+01	4e-05	1e-05	6e-16	1e-06
7:	1.2019e+01	1.2019e+01	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.0069e+00	5.0173e+00	8e+00	3e+00	3e-16	2e-01
2:	8.2231e+00	8.2269e+00	2e+00	7e-01	1e-15	5e-02
3:	8.8313e+00	8.8323e+00	5e-01	2e-01	1e-15	1e-02
4:	9.0798e+00	9.0801e+00	1e-01	4e-02	1e-15	3e-03
5:	9.1197e+00	9.1198e+00	2e-02	7e-03	2e-15	5e-04
6:	9.1271e+00	9.1271e+00	4e-03	1e-03	4e-15	9e-05
7:	9.1284e+00	9.1284e+00	4e-04	1e-04	3e-14	9e-06
8:	9.1285e+00	9.1285e+00	4e-06	1e-06	2e-15	1e-07
9:	9.1285e+00	9.1285e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1057e+00	7.1130e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0783e+01	1.0786e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1504e+01	1.1505e+01	7e-01	2e-01	2e-15	2e-02
4:	1.1801e+01	1.1802e+01	1e-01	4e-02	5e-16	3e-03
5:	1.1853e+01	1.1853e+01	5e-03	2e-03	1e-15	1e-04
6:	1.1855e+01	1.1855e+01	5e-05	2e-05	6e-16	1e-06
7:	1.1855e+01	1.1855e+01	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2779e+00	7.2908e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1235e+01	1.1239e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1995e+01	1.1996e+01	3e-01	1e-01	1e-15	7e-03
4:	1.2118e+01	1.2118e+01	5e-02	2e-02	1e-15	1e-03
5:	1.2144e+01	1.2144e+01	2e-03	6e-04	6e-16	4e-05
6:	1.2145e+01	1.2145e+01	2e-05	6e-06	6e-16	4e-07
7:	1.2145e+01	1.2145e+01	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8388e+00	5.8448e+00	8e+00	2e+00	2e-16	2e-01
2:	9.5234e+00	9.5253e+00	1e+00	4e-01	9e-16	3e-02
3:	1.0036e+01	1.0037e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0129e+01	1.0129e+01	8e-02	3e-02	5e-15	2e-03
5:	1.0164e+01	1.0164e+01	2e-02	6e-03	2e-15	4e-04
6:	1.0170e+01	1.0170e+01	2e-03	6e-04	2e-14	5e-05
7:	1.0171e+01	1.0171e+01	2e-05	6e-06	1e-15	5e-07
8:	1.0171e+01	1.0171e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9439e+00	7.9459e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1164e+01	1.1165e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1796e+01	1.1797e+01	8e-01	3e-01	3e-15	2e-02
4:	1.2123e+01	1.2123e+01	6e-02	2e-02	4e-16	1e-03
5:	1.2140e+01	1.2140e+01	5e-03	2e-03	8e-16	1e-04
6:	1.2142e+01	1.2142e+01	9e-05	3e-05	6e-16	2e-06
7:	1.2142e+01	1.2142e+01	9e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1770e+00	6.1872e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8647e+00	9.8675e+00	1e+00	5e-01	1e-15	3e-02
3:	1.0216e+01	1.0217e+01	4e-01	1e-01	1e-15	1e-02
4:	1.0414e+01	1.0414e+01	8e-02	2e-02	1e-15	2e-03

5:	1.0447e+01	1.0447e+01	1e-03	3e-04	9e-16	3e-05
6:	1.0448e+01	1.0448e+01	1e-05	3e-06	7e-16	3e-07
7:	1.0448e+01	1.0448e+01	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9135e+00	5.9164e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2115e+00	9.2129e+00	2e+00	7e-01	1e-15	6e-02
3:	1.0194e+01	1.0195e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0388e+01	1.0388e+01	1e-01	3e-02	1e-15	3e-03
5:	1.0431e+01	1.0431e+01	1e-03	4e-04	8e-16	3e-05
6:	1.0431e+01	1.0431e+01	1e-05	4e-06	1e-15	3e-07
7:	1.0431e+01	1.0431e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9283e+00	5.9304e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0068e+00	9.0074e+00	1e+00	4e-01	1e-15	3e-02
3:	9.6527e+00	9.6528e+00	2e-01	5e-02	1e-15	4e-03
4:	9.7421e+00	9.7421e+00	2e-02	7e-03	1e-15	6e-04
5:	9.7529e+00	9.7529e+00	3e-04	1e-04	2e-15	8e-06
6:	9.7530e+00	9.7530e+00	3e-06	1e-06	2e-15	8e-08
7:	9.7530e+00	9.7530e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5709e+00	7.5736e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0749e+01	1.0750e+01	1e+00	5e-01	2e-15	4e-02
3:	1.1695e+01	1.1695e+01	1e-01	5e-02	2e-15	3e-03
4:	1.1764e+01	1.1764e+01	1e-02	3e-03	1e-14	3e-04
5:	1.1769e+01	1.1769e+01	7e-04	2e-04	3e-14	2e-05
6:	1.1769e+01	1.1769e+01	7e-06	2e-06	8e-14	2e-07
7:	1.1769e+01	1.1769e+01	7e-08	2e-08	5e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6146e+00	7.6200e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1369e+01	1.1371e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2009e+01	1.2009e+01	2e-01	6e-02	2e-15	5e-03
4:	1.2098e+01	1.2098e+01	8e-03	3e-03	7e-15	2e-04
5:	1.2102e+01	1.2102e+01	8e-05	3e-05	5e-15	2e-06
6:	1.2102e+01	1.2102e+01	8e-07	3e-07	6e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0340e+00	9.0381e+00	6e+00	2e+00	6e-16	1e-01
2:	1.2182e+01	1.2183e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2877e+01	1.2877e+01	3e-01	1e-01	2e-15	8e-03

4:	1.2982e+01	1.2982e+01	4e-02	1e-02	6e-15	1e-03
5:	1.3000e+01	1.3000e+01	6e-04	2e-04	2e-15	1e-05
6:	1.3000e+01	1.3000e+01	6e-06	2e-06	2e-15	1e-07
7:	1.3000e+01	1.3000e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1255e+00	6.1374e+00	9e+00	3e+00	2e-16	2e-01
2:	1.0056e+01	1.0059e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0579e+01	1.0581e+01	7e-01	2e-01	3e-15	1e-02
4:	1.0893e+01	1.0894e+01	2e-01	6e-02	9e-16	5e-03
5:	1.0964e+01	1.0964e+01	2e-02	5e-03	9e-16	4e-04
6:	1.0969e+01	1.0969e+01	2e-03	7e-04	2e-14	5e-05
7:	1.0970e+01	1.0970e+01	2e-05	7e-06	2e-15	5e-07
8:	1.0970e+01	1.0970e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3526e+00	7.3574e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1508e+01	1.1510e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2099e+01	1.2100e+01	7e-01	2e-01	2e-15	2e-02
4:	1.2319e+01	1.2319e+01	2e-01	6e-02	3e-15	5e-03
5:	1.2381e+01	1.2381e+01	5e-02	2e-02	3e-15	1e-03
6:	1.2405e+01	1.2405e+01	2e-03	7e-04	6e-16	6e-05
7:	1.2406e+01	1.2406e+01	2e-05	7e-06	1e-15	6e-07
8:	1.2406e+01	1.2406e+01	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8382e+00	6.8487e+00	8e+00	2e+00	2e-16	2e-01
2:	1.1192e+01	1.1194e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1775e+01	1.1776e+01	2e-01	7e-02	3e-15	5e-03
4:	1.1867e+01	1.1867e+01	2e-02	5e-03	4e-15	4e-04
5:	1.1875e+01	1.1875e+01	4e-04	1e-04	3e-15	9e-06
6:	1.1875e+01	1.1875e+01	4e-06	1e-06	4e-15	9e-08
7:	1.1875e+01	1.1875e+01	4e-08	1e-08	4e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3943e+00	9.3967e+00	6e+00	2e+00	2e-16	1e-01
2:	1.2485e+01	1.2486e+01	1e+00	3e-01	1e-15	2e-02
3:	1.2922e+01	1.2922e+01	2e-01	6e-02	2e-15	5e-03
4:	1.2995e+01	1.2995e+01	1e-02	3e-03	1e-14	3e-04
5:	1.3000e+01	1.3000e+01	1e-04	3e-05	2e-15	3e-06
6:	1.3000e+01	1.3000e+01	1e-06	3e-07	2e-15	3e-08
7:	1.3000e+01	1.3000e+01	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5952e+00	8.6000e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2120e+01	1.2121e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2642e+01	1.2643e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2796e+01	1.2796e+01	5e-02	1e-02	2e-15	1e-03
5:	1.2820e+01	1.2820e+01	5e-04	2e-04	7e-16	1e-05
6:	1.2821e+01	1.2821e+01	5e-06	2e-06	9e-16	1e-07
7:	1.2821e+01	1.2821e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4238e+00	6.4249e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2457e+00	9.2461e+00	2e+00	6e-01	1e-15	5e-02
3:	1.0169e+01	1.0170e+01	6e-01	2e-01	2e-15	2e-02
4:	1.0426e+01	1.0426e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0479e+01	1.0479e+01	1e-02	5e-03	9e-16	4e-04
6:	1.0485e+01	1.0485e+01	6e-04	2e-04	7e-16	2e-05
7:	1.0485e+01	1.0485e+01	6e-06	2e-06	1e-15	2e-07
8:	1.0485e+01	1.0485e+01	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0023e+00	7.0119e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1045e+01	1.1049e+01	2e+00	8e-01	1e-15	5e-02
3:	1.1743e+01	1.1744e+01	7e-01	2e-01	7e-15	2e-02
4:	1.2004e+01	1.2004e+01	2e-01	5e-02	3e-15	4e-03
5:	1.2080e+01	1.2080e+01	4e-02	1e-02	1e-15	1e-03
6:	1.2104e+01	1.2104e+01	1e-03	4e-04	7e-16	3e-05
7:	1.2105e+01	1.2105e+01	1e-05	4e-06	7e-16	3e-07
8:	1.2105e+01	1.2105e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6117e+00	7.6185e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0666e+01	1.0669e+01	2e+00	7e-01	3e-15	5e-02
3:	1.1436e+01	1.1437e+01	5e-01	1e-01	1e-15	1e-02
4:	1.1638e+01	1.1638e+01	9e-02	3e-02	7e-16	2e-03
5:	1.1682e+01	1.1682e+01	1e-02	4e-03	8e-16	3e-04
6:	1.1688e+01	1.1688e+01	1e-04	5e-05	7e-16	3e-06
7:	1.1688e+01	1.1688e+01	1e-06	5e-07	8e-16	3e-08
8:	1.1688e+01	1.1688e+01	1e-08	5e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8689e+00	4.8729e+00	7e+00	2e+00	4e-16	2e-01
2:	8.6150e+00	8.6161e+00	1e+00	3e-01	1e-15	3e-02
3:	9.0795e+00	9.0798e+00	2e-01	7e-02	2e-15	5e-03
4:	9.1557e+00	9.1557e+00	3e-02	1e-02	2e-15	8e-04



5:	9.1717e+00	9.1717e+00	4e-04	1e-04	7e-16	9e-06
6:	9.1719e+00	9.1719e+00	4e-06	1e-06	7e-16	9e-08
7:	9.1719e+00	9.1719e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1024e+00	8.1088e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1506e+01	1.1509e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2509e+01	1.2510e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2680e+01	1.2680e+01	4e-02	1e-02	2e-15	8e-04
5:	1.2699e+01	1.2699e+01	4e-04	1e-04	6e-16	9e-06
6:	1.2699e+01	1.2699e+01	4e-06	1e-06	6e-16	9e-08
7:	1.2699e+01	1.2699e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.5723e+00	8.5785e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1890e+01	1.1893e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2541e+01	1.2542e+01	2e-01	7e-02	8e-16	5e-03
4:	1.2659e+01	1.2659e+01	1e-02	4e-03	1e-15	3e-04
5:	1.2666e+01	1.2666e+01	1e-04	4e-05	1e-15	3e-06
6:	1.2666e+01	1.2666e+01	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9635e+00	6.9708e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0574e+01	1.0576e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1473e+01	1.1473e+01	2e-01	7e-02	9e-16	6e-03
4:	1.1563e+01	1.1563e+01	6e-03	2e-03	7e-16	1e-04
5:	1.1566e+01	1.1566e+01	6e-05	2e-05	5e-16	1e-06
6:	1.1566e+01	1.1566e+01	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.4089e+00	6.4191e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6473e+00	9.6508e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0279e+01	1.0280e+01	3e-01	1e-01	9e-16	7e-03
4:	1.0442e+01	1.0442e+01	3e-02	8e-03	7e-16	6e-04
5:	1.0454e+01	1.0454e+01	3e-04	9e-05	1e-15	6e-06
6:	1.0454e+01	1.0454e+01	3e-06	9e-07	1e-15	6e-08
7:	1.0454e+01	1.0454e+01	3e-08	9e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9082e+00	7.9166e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1037e+01	1.1039e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2031e+01	1.2031e+01	1e-01	5e-02	2e-15	3e-03
4:	1.2085e+01	1.2085e+01	3e-02	9e-03	7e-15	6e-04

5:	1.2100e+01	1.2100e+01	4e-04	1e-04	1e-15	8e-06
6:	1.2100e+01	1.2100e+01	4e-06	1e-06	1e-15	8e-08
7:	1.2100e+01	1.2100e+01	4e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6396e+00	8.6433e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2176e+01	1.2177e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2557e+01	1.2557e+01	4e-01	1e-01	1e-15	1e-02
4:	1.2700e+01	1.2700e+01	8e-02	3e-02	2e-15	2e-03
5:	1.2732e+01	1.2732e+01	2e-02	5e-03	7e-16	4e-04
6:	1.2739e+01	1.2739e+01	2e-04	5e-05	1e-15	4e-06
7:	1.2739e+01	1.2739e+01	2e-06	5e-07	8e-16	4e-08
8:	1.2739e+01	1.2739e+01	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5599e+00	5.5652e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2883e+00	9.2898e+00	1e+00	4e-01	1e-15	3e-02
3:	9.7582e+00	9.7585e+00	2e-01	7e-02	7e-16	6e-03
4:	9.8833e+00	9.8833e+00	3e-02	1e-02	2e-15	7e-04
5:	9.8947e+00	9.8947e+00	5e-03	2e-03	9e-15	1e-04
6:	9.8972e+00	9.8972e+00	2e-04	6e-05	6e-15	5e-06
7:	9.8973e+00	9.8973e+00	2e-06	6e-07	4e-15	5e-08
8:	9.8973e+00	9.8973e+00	2e-08	6e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9766e+00	4.9792e+00	7e+00	2e+00	2e-16	2e-01
2:	8.1632e+00	8.1640e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8189e+00	8.8190e+00	2e-01	7e-02	1e-15	5e-03
4:	8.8623e+00	8.8624e+00	8e-02	3e-02	6e-15	2e-03
5:	8.9007e+00	8.9007e+00	7e-03	2e-03	1e-15	2e-04
6:	8.9040e+00	8.9040e+00	7e-05	2e-05	2e-15	2e-06
7:	8.9041e+00	8.9041e+00	7e-07	2e-07	1e-15	2e-08
8:	8.9041e+00	8.9041e+00	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4348e+00	7.4409e+00	7e+00	2e+00	6e-16	2e-01
2:	1.0954e+01	1.0956e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1709e+01	1.1710e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1954e+01	1.1954e+01	8e-02	2e-02	1e-15	2e-03
5:	1.1987e+01	1.1987e+01	8e-03	3e-03	7e-15	2e-04
6:	1.1991e+01	1.1991e+01	8e-05	3e-05	1e-15	2e-06
7:	1.1991e+01	1.1991e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9141e+00	7.9183e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2090e+01	1.2091e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2858e+01	1.2858e+01	3e-01	9e-02	2e-15	7e-03
4:	1.2987e+01	1.2987e+01	4e-02	1e-02	1e-14	1e-03
5:	1.3000e+01	1.3000e+01	7e-04	2e-04	2e-14	2e-05
6:	1.3000e+01	1.3000e+01	7e-06	2e-06	1e-14	2e-07
7:	1.3000e+01	1.3000e+01	7e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5060e+00	8.5106e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2546e+01	1.2547e+01	1e+00	3e-01	3e-15	3e-02
3:	1.2957e+01	1.2957e+01	9e-02	3e-02	2e-15	2e-03
4:	1.3000e+01	1.3000e+01	1e-03	3e-04	1e-15	2e-05
5:	1.3000e+01	1.3000e+01	1e-05	3e-06	2e-15	2e-07
6:	1.3000e+01	1.3000e+01	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8310e+00	8.8349e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1825e+01	1.1826e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2117e+01	1.2117e+01	3e-01	8e-02	2e-15	6e-03
4:	1.2252e+01	1.2252e+01	3e-02	1e-02	7e-16	8e-04
5:	1.2263e+01	1.2263e+01	5e-03	2e-03	3e-15	1e-04
6:	1.2265e+01	1.2265e+01	1e-03	3e-04	4e-15	2e-05
7:	1.2265e+01	1.2265e+01	2e-05	7e-06	7e-16	5e-07
8:	1.2265e+01	1.2265e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0450e+00	7.0533e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0611e+01	1.0613e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1146e+01	1.1146e+01	2e-01	7e-02	2e-15	5e-03
4:	1.1241e+01	1.1241e+01	4e-02	1e-02	1e-15	1e-03
5:	1.1260e+01	1.1260e+01	4e-03	1e-03	3e-15	9e-05
6:	1.1262e+01	1.1262e+01	2e-04	7e-05	6e-14	6e-06
7:	1.1262e+01	1.1262e+01	2e-06	8e-07	8e-15	6e-08
8:	1.1262e+01	1.1262e+01	2e-08	8e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3461e+00	8.3513e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1568e+01	1.1570e+01	1e+00	5e-01	1e-15	3e-02
3:	1.2315e+01	1.2315e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2487e+01	1.2487e+01	8e-02	2e-02	2e-15	2e-03
5:	1.2527e+01	1.2527e+01	6e-03	2e-03	2e-15	1e-04
6:	1.2530e+01	1.2530e+01	1e-04	3e-05	5e-15	2e-06

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7:  1.2530e+01  1.2530e+01  1e-06  3e-07  3e-15  2e-08
8:  1.2530e+01  1.2530e+01  1e-08  3e-09  8e-15  2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  8.2943e+00  8.3010e+00  7e+00  2e+00  3e-16  2e-01
2:  1.2078e+01  1.2080e+01  1e+00  4e-01  1e-15  3e-02
3:  1.2762e+01  1.2763e+01  2e-01  6e-02  2e-15  4e-03
4:  1.2833e+01  1.2833e+01  5e-02  2e-02  1e-14  1e-03
5:  1.2858e+01  1.2858e+01  6e-03  2e-03  7e-15  2e-04
6:  1.2861e+01  1.2861e+01  7e-05  2e-05  1e-14  2e-06
7:  1.2861e+01  1.2861e+01  7e-07  2e-07  9e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.4846e+00  5.4890e+00  7e+00  2e+00  3e-16  2e-01
2:  9.3678e+00  9.3693e+00  2e+00  5e-01  2e-15  4e-02
3:  1.0018e+01  1.0018e+01  3e-01  1e-01  1e-15  7e-03
4:  1.0177e+01  1.0177e+01  5e-02  1e-02  1e-15  1e-03
5:  1.0199e+01  1.0199e+01  5e-04  2e-04  2e-15  1e-05
6:  1.0199e+01  1.0199e+01  5e-06  2e-06  1e-15  1e-07
7:  1.0199e+01  1.0199e+01  5e-08  2e-08  1e-15  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  8.8623e+00  8.8654e+00  7e+00  2e+00  3e-16  2e-01
2:  1.2154e+01  1.2155e+01  1e+00  4e-01  2e-15  3e-02
3:  1.2853e+01  1.2853e+01  2e-01  7e-02  1e-15  5e-03
4:  1.2902e+01  1.2902e+01  1e-01  4e-02  2e-14  3e-03
5:  1.2957e+01  1.2957e+01  1e-02  3e-03  3e-15  2e-04
6:  1.2962e+01  1.2962e+01  1e-04  3e-05  6e-16  3e-06
7:  1.2962e+01  1.2962e+01  1e-06  3e-07  5e-16  3e-08
8:  1.2962e+01  1.2962e+01  1e-08  3e-09  3e-15  3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  4.5858e+00  4.5851e+00  6e+00  2e+00  3e-16  2e-01
2:  7.7546e+00  7.7544e+00  1e+00  5e-01  1e-15  4e-02
3:  8.3760e+00  8.3759e+00  3e-01  9e-02  8e-16  8e-03
4:  8.5275e+00  8.5275e+00  3e-02  1e-02  2e-15  9e-04
5:  8.5470e+00  8.5470e+00  4e-04  1e-04  1e-15  9e-06
6:  8.5472e+00  8.5472e+00  4e-06  1e-06  9e-16  9e-08
7:  8.5472e+00  8.5472e+00  4e-08  1e-08  7e-16  9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  8.6234e+00  8.6277e+00  6e+00  2e+00  6e-16  1e-01
2:  1.1498e+01  1.1499e+01  1e+00  3e-01  1e-15  2e-02

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3:	1.2156e+01	1.2156e+01	9e-02	3e-02	2e-15	2e-03
4:	1.2190e+01	1.2190e+01	2e-02	7e-03	2e-14	6e-04
5:	1.2202e+01	1.2202e+01	8e-04	2e-04	1e-15	2e-05
6:	1.2203e+01	1.2203e+01	1e-05	3e-06	2e-15	3e-07
7:	1.2203e+01	1.2203e+01	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3726e+00	9.3756e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2666e+01	1.2667e+01	8e-01	3e-01	2e-15	2e-02
3:	1.2965e+01	1.2965e+01	8e-02	3e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	8e-04	3e-04	7e-16	2e-05
5:	1.3000e+01	1.3000e+01	8e-06	3e-06	7e-16	2e-07
6:	1.3000e+01	1.3000e+01	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6811e+00	6.6874e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8668e+00	9.8689e+00	2e+00	6e-01	4e-15	4e-02
3:	1.0651e+01	1.0652e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0824e+01	1.0824e+01	5e-02	2e-02	1e-15	1e-03
5:	1.0849e+01	1.0849e+01	2e-03	5e-04	1e-15	4e-05
6:	1.0850e+01	1.0850e+01	2e-05	5e-06	6e-16	4e-07
7:	1.0850e+01	1.0850e+01	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1760e+00	7.1808e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0248e+01	1.0250e+01	2e+00	6e-01	9e-16	4e-02
3:	1.1203e+01	1.1203e+01	3e-01	9e-02	1e-15	6e-03
4:	1.1327e+01	1.1327e+01	1e-02	4e-03	1e-15	3e-04
5:	1.1334e+01	1.1334e+01	1e-04	4e-05	7e-16	3e-06
6:	1.1334e+01	1.1334e+01	1e-06	4e-07	8e-16	3e-08
7:	1.1334e+01	1.1334e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1640e+00	8.1717e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0884e+01	1.0888e+01	3e+00	9e-01	1e-15	6e-02
3:	1.1929e+01	1.1930e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2194e+01	1.2194e+01	8e-02	3e-02	9e-16	2e-03
5:	1.2232e+01	1.2232e+01	2e-02	6e-03	6e-16	4e-04
6:	1.2241e+01	1.2241e+01	1e-03	4e-04	3e-15	3e-05
7:	1.2242e+01	1.2242e+01	1e-05	4e-06	6e-16	3e-07
8:	1.2242e+01	1.2242e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.1757e+00	8.1787e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1727e+01	1.1728e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2471e+01	1.2471e+01	3e-01	1e-01	1e-15	7e-03
4:	1.2586e+01	1.2586e+01	5e-02	2e-02	4e-15	1e-03
5:	1.2612e+01	1.2612e+01	7e-04	2e-04	9e-16	2e-05
6:	1.2612e+01	1.2612e+01	7e-06	2e-06	1e-15	2e-07
7:	1.2612e+01	1.2612e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8570e+00	6.8718e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0623e+01	1.0628e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1448e+01	1.1449e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1561e+01	1.1561e+01	6e-02	2e-02	5e-15	1e-03
5:	1.1582e+01	1.1582e+01	5e-03	2e-03	7e-15	1e-04
6:	1.1585e+01	1.1585e+01	6e-04	2e-04	1e-15	1e-05
7:	1.1585e+01	1.1585e+01	6e-06	2e-06	2e-15	2e-07
8:	1.1585e+01	1.1585e+01	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7466e+00	5.7582e+00	8e+00	3e+00	3e-16	2e-01
2:	9.1565e+00	9.1598e+00	2e+00	6e-01	1e-15	4e-02
3:	9.9684e+00	9.9694e+00	4e-01	1e-01	2e-15	9e-03
4:	1.0111e+01	1.0111e+01	6e-02	2e-02	4e-15	1e-03
5:	1.0134e+01	1.0134e+01	2e-02	6e-03	2e-15	4e-04
6:	1.0141e+01	1.0141e+01	2e-04	7e-05	1e-15	5e-06
7:	1.0141e+01	1.0141e+01	2e-06	7e-07	1e-15	5e-08
8:	1.0141e+01	1.0141e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2630e+00	6.2709e+00	8e+00	2e+00	3e-16	2e-01
2:	9.9267e+00	9.9292e+00	2e+00	6e-01	9e-16	4e-02
3:	1.0742e+01	1.0742e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0894e+01	1.0894e+01	7e-02	2e-02	2e-15	2e-03
5:	1.0924e+01	1.0924e+01	2e-02	5e-03	2e-15	4e-04
6:	1.0931e+01	1.0931e+01	9e-04	3e-04	2e-14	2e-05
7:	1.0931e+01	1.0931e+01	9e-06	3e-06	7e-15	2e-07
8:	1.0931e+01	1.0931e+01	9e-08	3e-08	8e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5650e+00	7.5689e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0912e+01	1.0914e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1557e+01	1.1557e+01	3e-01	1e-01	8e-16	7e-03
4:	1.1710e+01	1.1710e+01	2e-02	7e-03	1e-15	5e-04
5:	1.1719e+01	1.1719e+01	2e-04	7e-05	1e-15	5e-06

6:	1.1719e+01	1.1719e+01	2e-06	7e-07	1e-15	5e-08
7:	1.1719e+01	1.1719e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7474e+00	6.7560e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0697e+01	1.0700e+01	2e+00	6e-01	2e-15	5e-02
3:	1.1488e+01	1.1488e+01	4e-01	1e-01	9e-16	9e-03
4:	1.1679e+01	1.1679e+01	8e-02	2e-02	7e-16	2e-03
5:	1.1717e+01	1.1717e+01	3e-03	1e-03	3e-15	8e-05
6:	1.1718e+01	1.1718e+01	3e-05	1e-05	7e-16	8e-07
7:	1.1718e+01	1.1718e+01	3e-07	1e-07	8e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0141e+00	7.0209e+00	8e+00	2e+00	4e-16	2e-01
2:	9.9320e+00	9.9343e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0965e+01	1.0966e+01	3e-01	1e-01	2e-15	7e-03
4:	1.1121e+01	1.1121e+01	5e-02	1e-02	1e-15	1e-03
5:	1.1142e+01	1.1142e+01	7e-03	2e-03	1e-14	2e-04
6:	1.1145e+01	1.1145e+01	6e-04	2e-04	2e-14	1e-05
7:	1.1145e+01	1.1145e+01	9e-06	3e-06	2e-15	2e-07
8:	1.1145e+01	1.1145e+01	9e-08	3e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0777e+00	9.0835e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1996e+01	1.1997e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2673e+01	1.2673e+01	2e-01	7e-02	2e-15	5e-03
4:	1.2769e+01	1.2769e+01	5e-02	2e-02	2e-15	1e-03
5:	1.2801e+01	1.2801e+01	5e-03	2e-03	1e-15	1e-04
6:	1.2803e+01	1.2803e+01	2e-03	5e-04	1e-13	4e-05
7:	1.2804e+01	1.2804e+01	2e-05	5e-06	3e-15	4e-07
8:	1.2804e+01	1.2804e+01	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.3082e+00	4.3188e+00	8e+00	3e+00	3e-16	2e-01
2:	7.4487e+00	7.4523e+00	2e+00	6e-01	9e-16	4e-02
3:	8.1065e+00	8.1074e+00	4e-01	1e-01	9e-16	8e-03
4:	8.2551e+00	8.2552e+00	5e-02	2e-02	2e-15	1e-03
5:	8.2741e+00	8.2741e+00	4e-03	1e-03	6e-15	1e-04
6:	8.2760e+00	8.2760e+00	5e-05	2e-05	1e-15	1e-06
7:	8.2761e+00	8.2761e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6843e+00	8.6910e+00	7e+00	2e+00	4e-16	2e-01

2:	1.2902e+01	1.2904e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3603e+01	1.3604e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3700e+01	1.3700e+01	9e-02	3e-02	6e-15	2e-03
5:	1.3732e+01	1.3732e+01	9e-03	3e-03	3e-15	2e-04
6:	1.3735e+01	1.3735e+01	1e-04	3e-05	3e-15	2e-06
7:	1.3735e+01	1.3735e+01	1e-06	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1821e+00	7.1862e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1316e+01	1.1317e+01	2e+00	5e-01	3e-15	4e-02
3:	1.2032e+01	1.2032e+01	3e-01	1e-01	2e-15	7e-03
4:	1.2178e+01	1.2178e+01	6e-02	2e-02	4e-15	1e-03
5:	1.2199e+01	1.2199e+01	9e-03	3e-03	2e-14	2e-04
6:	1.2204e+01	1.2204e+01	2e-04	8e-05	2e-15	6e-06
7:	1.2204e+01	1.2204e+01	2e-06	8e-07	2e-15	6e-08
8:	1.2204e+01	1.2204e+01	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.5840e+00	8.5914e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2588e+01	1.2590e+01	1e+00	3e-01	3e-15	2e-02
3:	1.2909e+01	1.2909e+01	2e-01	6e-02	1e-15	4e-03
4:	1.2996e+01	1.2996e+01	5e-02	2e-02	1e-15	1e-03
5:	1.3012e+01	1.3012e+01	1e-02	4e-03	2e-15	3e-04
6:	1.3017e+01	1.3017e+01	3e-04	9e-05	4e-15	7e-06
7:	1.3017e+01	1.3017e+01	3e-06	9e-07	3e-15	7e-08
8:	1.3017e+01	1.3017e+01	3e-08	9e-09	4e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8379e+00	6.8508e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0058e+01	1.0063e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1156e+01	1.1157e+01	5e-01	1e-01	1e-15	1e-02
4:	1.1333e+01	1.1334e+01	1e-01	4e-02	3e-15	3e-03
5:	1.1395e+01	1.1395e+01	1e-02	4e-03	5e-15	3e-04
6:	1.1400e+01	1.1400e+01	1e-03	4e-04	6e-14	3e-05
7:	1.1401e+01	1.1401e+01	1e-05	5e-06	6e-15	3e-07
8:	1.1401e+01	1.1401e+01	1e-07	5e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1743e+00	8.1784e+00	8e+00	2e+00	5e-16	2e-01
2:	1.1762e+01	1.1763e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2499e+01	1.2499e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2569e+01	1.2569e+01	4e-02	1e-02	3e-15	1e-03
5:	1.2589e+01	1.2589e+01	5e-04	1e-04	1e-15	1e-05
6:	1.2589e+01	1.2589e+01	5e-06	1e-06	1e-15	1e-07



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7: 1.2589e+01 1.2589e+01 5e-08 1e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.0189e+00 7.0220e+00 7e+00 2e+00 3e-16 2e-01
2: 1.0575e+01 1.0576e+01 2e+00 6e-01 3e-15 5e-02
3: 1.1244e+01 1.1244e+01 6e-01 2e-01 1e-15 1e-02
4: 1.1513e+01 1.1513e+01 2e-01 5e-02 9e-16 4e-03
5: 1.1581e+01 1.1581e+01 2e-02 6e-03 3e-15 5e-04
6: 1.1589e+01 1.1589e+01 9e-04 3e-04 6e-15 2e-05
7: 1.1590e+01 1.1590e+01 1e-05 3e-06 1e-14 2e-07
8: 1.1590e+01 1.1590e+01 1e-07 3e-08 1e-14 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 7.6512e+00 7.6590e+00 8e+00 3e+00 3e-16 2e-01
2: 1.1159e+01 1.1162e+01 2e+00 6e-01 1e-15 4e-02
3: 1.1900e+01 1.1900e+01 4e-01 1e-01 1e-15 9e-03
4: 1.2116e+01 1.2116e+01 2e-02 7e-03 1e-15 5e-04
5: 1.2126e+01 1.2126e+01 2e-03 6e-04 3e-14 4e-05
6: 1.2127e+01 1.2127e+01 2e-05 6e-06 5e-15 4e-07
7: 1.2127e+01 1.2127e+01 2e-07 6e-08 4e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.1898e+00 6.1918e+00 7e+00 2e+00 3e-16 2e-01
2: 9.2459e+00 9.2469e+00 2e+00 7e-01 3e-15 6e-02
3: 9.9946e+00 9.9948e+00 6e-01 2e-01 2e-15 1e-02
4: 1.0299e+01 1.0299e+01 2e-01 5e-02 1e-15 4e-03
5: 1.0343e+01 1.0343e+01 3e-02 1e-02 1e-15 8e-04
6: 1.0356e+01 1.0356e+01 4e-04 1e-04 1e-15 1e-05
7: 1.0356e+01 1.0356e+01 4e-06 1e-06 1e-15 1e-07
8: 1.0356e+01 1.0356e+01 4e-08 1e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.8428e+00 6.8498e+00 7e+00 2e+00 3e-16 2e-01
2: 1.0153e+01 1.0155e+01 1e+00 4e-01 2e-15 3e-02
3: 1.0836e+01 1.0836e+01 3e-01 9e-02 1e-15 6e-03
4: 1.0983e+01 1.0983e+01 2e-02 7e-03 1e-15 5e-04
5: 1.0992e+01 1.0992e+01 2e-04 7e-05 1e-15 5e-06
6: 1.0992e+01 1.0992e+01 2e-06 7e-07 1e-15 5e-08
7: 1.0992e+01 1.0992e+01 2e-08 7e-09 2e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 7.1901e+00 7.2010e+00 8e+00 2e+00 4e-16 2e-01
2: 1.1361e+01 1.1365e+01 2e+00 6e-01 2e-15 4e-02

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3:	1.1940e+01	1.1941e+01	4e-01	1e-01	2e-15	9e-03
4:	1.2113e+01	1.2113e+01	8e-02	3e-02	2e-15	2e-03
5:	1.2145e+01	1.2145e+01	5e-03	2e-03	3e-15	1e-04
6:	1.2147e+01	1.2147e+01	1e-04	4e-05	3e-15	3e-06
7:	1.2147e+01	1.2147e+01	1e-06	4e-07	1e-15	3e-08
8:	1.2147e+01	1.2147e+01	1e-08	4e-09	5e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.9751e+00	7.9815e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2119e+01	1.2121e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2533e+01	1.2533e+01	2e-01	7e-02	3e-15	5e-03
4:	1.2638e+01	1.2638e+01	3e-02	8e-03	8e-16	6e-04
5:	1.2647e+01	1.2647e+01	1e-02	4e-03	7e-16	3e-04
6:	1.2653e+01	1.2653e+01	6e-04	2e-04	1e-15	1e-05
7:	1.2653e+01	1.2653e+01	6e-06	2e-06	9e-16	1e-07
8:	1.2653e+01	1.2653e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3383e+00	7.3532e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0648e+01	1.0653e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1671e+01	1.1672e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1809e+01	1.1809e+01	2e-02	7e-03	1e-15	5e-04
5:	1.1821e+01	1.1821e+01	3e-04	8e-05	1e-15	6e-06
6:	1.1821e+01	1.1821e+01	3e-06	8e-07	9e-16	6e-08
7:	1.1821e+01	1.1821e+01	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9026e+00	6.9146e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1050e+01	1.1053e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1735e+01	1.1735e+01	3e-01	1e-01	3e-15	7e-03
4:	1.1851e+01	1.1851e+01	5e-02	2e-02	4e-15	1e-03
5:	1.1872e+01	1.1872e+01	5e-03	1e-03	7e-15	1e-04
6:	1.1875e+01	1.1875e+01	5e-05	2e-05	2e-15	1e-06
7:	1.1875e+01	1.1875e+01	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0373e+00	9.0475e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1868e+01	1.1873e+01	2e+00	8e-01	2e-15	6e-02
3:	1.2789e+01	1.2790e+01	5e-01	2e-01	2e-15	1e-02
4:	1.3039e+01	1.3040e+01	1e-01	3e-02	1e-15	2e-03
5:	1.3093e+01	1.3093e+01	2e-03	6e-04	9e-16	5e-05
6:	1.3094e+01	1.3094e+01	2e-05	6e-06	6e-16	5e-07
7:	1.3094e+01	1.3094e+01	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9489e+00	4.9520e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0716e+00	8.0731e+00	2e+00	7e-01	1e-15	5e-02
3:	8.6138e+00	8.6144e+00	8e-01	2e-01	1e-15	2e-02
4:	8.9077e+00	8.9079e+00	2e-01	6e-02	1e-15	5e-03
5:	8.9825e+00	8.9825e+00	4e-02	1e-02	6e-16	1e-03
6:	9.0018e+00	9.0018e+00	6e-03	2e-03	3e-15	1e-04
7:	9.0035e+00	9.0035e+00	2e-03	5e-04	2e-14	4e-05
8:	9.0042e+00	9.0042e+00	2e-04	7e-05	3e-15	6e-06
9:	9.0043e+00	9.0043e+00	2e-06	7e-07	8e-15	6e-08
10:	9.0043e+00	9.0043e+00	2e-08	7e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.7522e+00	8.7596e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1979e+01	1.1981e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2464e+01	1.2465e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2607e+01	1.2607e+01	7e-02	2e-02	8e-16	2e-03
5:	1.2633e+01	1.2633e+01	1e-03	3e-04	9e-16	3e-05
6:	1.2634e+01	1.2634e+01	1e-05	3e-06	9e-16	3e-07
7:	1.2634e+01	1.2634e+01	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6617e+00	3.6686e+00	8e+00	2e+00	2e-16	2e-01
2:	6.6675e+00	6.6690e+00	1e+00	4e-01	2e-15	3e-02
3:	7.1055e+00	7.1059e+00	3e-01	8e-02	1e-15	6e-03
4:	7.2437e+00	7.2438e+00	4e-02	1e-02	1e-15	1e-03
5:	7.2615e+00	7.2615e+00	6e-03	2e-03	3e-15	1e-04
6:	7.2646e+00	7.2646e+00	9e-05	3e-05	9e-16	2e-06
7:	7.2646e+00	7.2646e+00	9e-07	3e-07	1e-15	2e-08
8:	7.2646e+00	7.2646e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6272e+00	9.6319e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2648e+01	1.2650e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3247e+01	1.3248e+01	6e-01	2e-01	2e-15	1e-02
4:	1.3518e+01	1.3519e+01	6e-02	2e-02	1e-15	1e-03
5:	1.3550e+01	1.3550e+01	1e-03	3e-04	1e-15	3e-05
6:	1.3550e+01	1.3550e+01	1e-05	3e-06	1e-15	3e-07
7:	1.3550e+01	1.3550e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7178e+00	7.7334e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2110e+01	1.2116e+01	2e+00	6e-01	3e-15	4e-02

3:	1.2859e+01	1.2861e+01	4e-01	1e-01	3e-15	9e-03
4:	1.2964e+01	1.2964e+01	1e-01	4e-02	2e-15	3e-03
5:	1.3008e+01	1.3008e+01	4e-02	1e-02	2e-15	9e-04
6:	1.3019e+01	1.3019e+01	1e-02	4e-03	7e-15	3e-04
7:	1.3022e+01	1.3022e+01	1e-03	4e-04	1e-14	3e-05
8:	1.3023e+01	1.3023e+01	3e-05	1e-05	1e-15	8e-07
9:	1.3023e+01	1.3023e+01	3e-07	1e-07	6e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3392e+00	5.3459e+00	7e+00	2e+00	2e-16	2e-01
2:	9.3245e+00	9.3265e+00	2e+00	5e-01	3e-15	4e-02
3:	9.8525e+00	9.8531e+00	4e-01	1e-01	2e-15	9e-03
4:	9.9874e+00	9.9876e+00	1e-01	4e-02	1e-15	3e-03
5:	1.0051e+01	1.0051e+01	1e-02	3e-03	9e-16	2e-04
6:	1.0056e+01	1.0056e+01	1e-04	3e-05	8e-16	3e-06
7:	1.0056e+01	1.0056e+01	1e-06	3e-07	8e-16	3e-08
8:	1.0056e+01	1.0056e+01	1e-08	3e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6981e+00	5.7067e+00	8e+00	2e+00	5e-16	2e-01
2:	9.3089e+00	9.3115e+00	2e+00	5e-01	1e-15	4e-02
3:	9.9736e+00	9.9739e+00	2e-01	5e-02	1e-15	4e-03
4:	1.0047e+01	1.0047e+01	3e-02	1e-02	8e-16	8e-04
5:	1.0058e+01	1.0058e+01	3e-03	1e-03	1e-15	8e-05
6:	1.0059e+01	1.0059e+01	4e-05	1e-05	6e-15	1e-06
7:	1.0059e+01	1.0059e+01	4e-07	1e-07	7e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3608e+00	8.3690e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1370e+01	1.1373e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2177e+01	1.2178e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2273e+01	1.2273e+01	5e-02	1e-02	1e-15	1e-03
5:	1.2297e+01	1.2297e+01	7e-03	2e-03	1e-15	2e-04
6:	1.2300e+01	1.2300e+01	1e-04	4e-05	8e-15	3e-06
7:	1.2300e+01	1.2300e+01	1e-06	4e-07	5e-15	3e-08
8:	1.2300e+01	1.2300e+01	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7771e+00	7.7911e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1454e+01	1.1459e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2357e+01	1.2358e+01	2e-01	7e-02	6e-16	5e-03
4:	1.2457e+01	1.2457e+01	3e-02	9e-03	7e-15	7e-04
5:	1.2469e+01	1.2469e+01	6e-04	2e-04	1e-14	2e-05
6:	1.2469e+01	1.2469e+01	6e-06	2e-06	6e-15	2e-07

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7: 1.2469e+01 1.2469e+01 6e-08 2e-08 4e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.4473e+00 6.4525e+00 7e+00 2e+00 4e-16 2e-01
2: 1.1029e+01 1.1030e+01 1e+00 4e-01 2e-15 3e-02
3: 1.1485e+01 1.1486e+01 3e-01 1e-01 4e-15 8e-03
4: 1.1642e+01 1.1642e+01 2e-02 6e-03 9e-16 4e-04
5: 1.1651e+01 1.1651e+01 2e-04 6e-05 1e-15 5e-06
6: 1.1651e+01 1.1651e+01 2e-06 6e-07 1e-15 5e-08
7: 1.1651e+01 1.1651e+01 2e-08 6e-09 1e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.3949e+00 7.3984e+00 7e+00 2e+00 1e-15 2e-01
2: 1.0121e+01 1.0122e+01 2e+00 5e-01 2e-15 4e-02
3: 1.0975e+01 1.0975e+01 3e-01 8e-02 2e-15 6e-03
4: 1.1116e+01 1.1116e+01 2e-02 5e-03 2e-15 4e-04
5: 1.1122e+01 1.1122e+01 4e-03 1e-03 5e-14 1e-04
6: 1.1124e+01 1.1124e+01 5e-05 2e-05 2e-15 1e-06
7: 1.1124e+01 1.1124e+01 5e-07 2e-07 2e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.7932e+00 6.8007e+00 7e+00 2e+00 4e-16 2e-01
2: 1.0410e+01 1.0412e+01 1e+00 3e-01 2e-15 2e-02
3: 1.0843e+01 1.0844e+01 2e-01 6e-02 9e-16 4e-03
4: 1.0918e+01 1.0918e+01 6e-03 2e-03 2e-15 1e-04
5: 1.0921e+01 1.0921e+01 6e-05 2e-05 9e-16 1e-06
6: 1.0921e+01 1.0921e+01 6e-07 2e-07 7e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.8918e+00 8.8966e+00 7e+00 2e+00 3e-16 2e-01
2: 1.1839e+01 1.1841e+01 2e+00 7e-01 2e-15 5e-02
3: 1.2697e+01 1.2698e+01 4e-01 1e-01 1e-15 9e-03
4: 1.2874e+01 1.2874e+01 7e-02 2e-02 1e-15 2e-03
5: 1.2910e+01 1.2910e+01 9e-03 3e-03 7e-16 2e-04
6: 1.2914e+01 1.2914e+01 9e-05 3e-05 9e-16 2e-06
7: 1.2914e+01 1.2914e+01 9e-07 3e-07 1e-15 2e-08
8: 1.2914e+01 1.2914e+01 9e-09 3e-09 1e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0563e+01 1.0566e+01 5e+00 2e+00 3e-16 1e-01
2: 1.3339e+01 1.3340e+01 1e+00 3e-01 3e-15 2e-02
3: 1.3934e+01 1.3934e+01 1e-01 4e-02 3e-15 3e-03
4: 1.3996e+01 1.3996e+01 7e-03 2e-03 1e-14 2e-04

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5:  1.4000e+01  1.4000e+01  7e-05  2e-05  4e-15  2e-06
6:  1.4000e+01  1.4000e+01  7e-07  2e-07  4e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  9.6792e+00  9.6845e+00  6e+00  2e+00  3e-16  1e-01
2:  1.2856e+01  1.2858e+01  1e+00  5e-01  2e-15  3e-02
3:  1.3657e+01  1.3657e+01  3e-01  9e-02  4e-15  7e-03
4:  1.3769e+01  1.3769e+01  7e-02  2e-02  3e-15  2e-03
5:  1.3801e+01  1.3801e+01  1e-02  4e-03  1e-14  3e-04
6:  1.3808e+01  1.3808e+01  2e-04  5e-05  2e-15  4e-06
7:  1.3808e+01  1.3808e+01  2e-06  5e-07  2e-15  4e-08
8:  1.3808e+01  1.3808e+01  2e-08  5e-09  2e-15  4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  7.9569e+00  7.9661e+00  7e+00  2e+00  5e-16  2e-01
2:  1.1945e+01  1.1948e+01  2e+00  6e-01  2e-15  4e-02
3:  1.2714e+01  1.2715e+01  4e-01  1e-01  1e-15  8e-03
4:  1.2919e+01  1.2919e+01  6e-03  2e-03  9e-16  1e-04
5:  1.2922e+01  1.2922e+01  6e-05  2e-05  1e-15  1e-06
6:  1.2922e+01  1.2922e+01  6e-07  2e-07  1e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  6.4951e+00  6.5022e+00  7e+00  2e+00  3e-16  2e-01
2:  1.0290e+01  1.0292e+01  2e+00  5e-01  1e-15  4e-02
3:  1.0856e+01  1.0856e+01  4e-01  1e-01  1e-15  1e-02
4:  1.1031e+01  1.1031e+01  1e-01  3e-02  1e-15  2e-03
5:  1.1079e+01  1.1079e+01  1e-02  4e-03  2e-15  3e-04
6:  1.1085e+01  1.1085e+01  3e-04  9e-05  1e-14  7e-06
7:  1.1085e+01  1.1085e+01  3e-06  9e-07  5e-15  7e-08
8:  1.1085e+01  1.1085e+01  3e-08  9e-09  5e-15  7e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  9.9253e+00  9.9296e+00  6e+00  2e+00  2e-16  1e-01
2:  1.3170e+01  1.3171e+01  1e+00  4e-01  1e-15  3e-02
3:  1.3888e+01  1.3888e+01  1e-01  4e-02  2e-15  3e-03
4:  1.3942e+01  1.3942e+01  3e-02  1e-02  5e-14  8e-04
5:  1.3953e+01  1.3953e+01  1e-02  4e-03  2e-14  3e-04
6:  1.3959e+01  1.3959e+01  5e-04  2e-04  4e-15  1e-05
7:  1.3959e+01  1.3959e+01  5e-06  2e-06  2e-14  1e-07
8:  1.3959e+01  1.3959e+01  5e-08  2e-08  1e-14  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  6.8926e+00  6.9003e+00  7e+00  2e+00  5e-16  1e-01

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2:	1.0116e+01	1.0118e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0785e+01	1.0785e+01	1e-01	5e-02	8e-16	3e-03
4:	1.0844e+01	1.0844e+01	2e-02	7e-03	2e-15	5e-04
5:	1.0848e+01	1.0848e+01	9e-03	3e-03	1e-13	2e-04
6:	1.0852e+01	1.0852e+01	1e-04	4e-05	2e-15	3e-06
7:	1.0852e+01	1.0852e+01	1e-06	4e-07	1e-14	3e-08
8:	1.0852e+01	1.0852e+01	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3200e+00	7.3328e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1568e+01	1.1571e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2005e+01	1.2005e+01	3e-01	9e-02	2e-15	6e-03
4:	1.2146e+01	1.2146e+01	3e-02	1e-02	1e-15	8e-04
5:	1.2162e+01	1.2162e+01	4e-04	1e-04	7e-16	1e-05
6:	1.2162e+01	1.2162e+01	4e-06	1e-06	1e-15	1e-07
7:	1.2162e+01	1.2162e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4706e+00	5.4764e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2166e+00	9.2182e+00	1e+00	4e-01	3e-15	3e-02
3:	9.6988e+00	9.6992e+00	3e-01	8e-02	1e-15	6e-03
4:	9.8032e+00	9.8033e+00	3e-02	9e-03	3e-15	7e-04
5:	9.8172e+00	9.8172e+00	3e-04	9e-05	7e-16	7e-06
6:	9.8174e+00	9.8174e+00	3e-06	9e-07	8e-16	7e-08
7:	9.8174e+00	9.8174e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7964e+00	5.8052e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3991e+00	9.4017e+00	2e+00	5e-01	1e-15	3e-02
3:	9.9826e+00	9.9836e+00	3e-01	1e-01	1e-15	8e-03
4:	1.0116e+01	1.0116e+01	5e-02	2e-02	2e-15	1e-03
5:	1.0137e+01	1.0137e+01	4e-03	1e-03	6e-16	9e-05
6:	1.0139e+01	1.0139e+01	4e-05	1e-05	2e-15	9e-07
7:	1.0139e+01	1.0139e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7319e+00	6.7488e+00	8e+00	3e+00	2e-16	2e-01
2:	9.4966e+00	9.5036e+00	3e+00	9e-01	1e-15	6e-02
3:	1.0659e+01	1.0661e+01	1e+00	3e-01	2e-15	2e-02
4:	1.0947e+01	1.0948e+01	3e-01	9e-02	2e-15	6e-03
5:	1.1065e+01	1.1065e+01	6e-02	2e-02	2e-15	2e-03
6:	1.1088e+01	1.1089e+01	9e-03	3e-03	1e-15	2e-04
7:	1.1092e+01	1.1092e+01	5e-04	1e-04	9e-15	1e-05
8:	1.1092e+01	1.1092e+01	5e-06	1e-06	2e-15	1e-07

9: 1.1092e+01 1.1092e+01 5e-08 1e-08 3e-15 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5649e+00	9.5696e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1850e+01	1.1851e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2613e+01	1.2614e+01	3e-01	1e-01	1e-15	8e-03
4:	1.2794e+01	1.2794e+01	6e-02	2e-02	9e-16	2e-03
5:	1.2829e+01	1.2829e+01	4e-03	1e-03	2e-15	1e-04
6:	1.2830e+01	1.2830e+01	4e-05	1e-05	6e-16	1e-06
7:	1.2830e+01	1.2830e+01	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8344e+00	7.8409e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1125e+01	1.1127e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2025e+01	1.2026e+01	3e-01	9e-02	1e-15	7e-03
4:	1.2152e+01	1.2152e+01	8e-02	3e-02	1e-15	2e-03
5:	1.2183e+01	1.2183e+01	1e-02	4e-03	5e-15	3e-04
6:	1.2189e+01	1.2189e+01	1e-04	4e-05	5e-16	3e-06
7:	1.2189e+01	1.2189e+01	1e-06	4e-07	7e-16	3e-08
8:	1.2189e+01	1.2189e+01	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2095e+00	8.2186e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2118e+01	1.2121e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3011e+01	1.3012e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3188e+01	1.3188e+01	6e-02	2e-02	8e-16	2e-03
5:	1.3210e+01	1.3211e+01	8e-03	3e-03	1e-14	2e-04
6:	1.3214e+01	1.3214e+01	8e-05	3e-05	2e-15	2e-06
7:	1.3214e+01	1.3214e+01	8e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7351e+00	8.7395e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2742e+01	1.2743e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3274e+01	1.3274e+01	3e-01	9e-02	3e-15	7e-03
4:	1.3350e+01	1.3350e+01	7e-02	2e-02	8e-15	2e-03
5:	1.3387e+01	1.3387e+01	3e-03	1e-03	2e-15	8e-05
6:	1.3389e+01	1.3389e+01	3e-05	1e-05	2e-15	8e-07
7:	1.3389e+01	1.3389e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3489e+00	8.3546e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1460e+01	1.1463e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2448e+01	1.2449e+01	3e-01	1e-01	1e-15	7e-03



4:	1.2603e+01	1.2604e+01	5e-02	2e-02	3e-15	1e-03
5:	1.2629e+01	1.2629e+01	9e-04	3e-04	5e-15	2e-05
6:	1.2630e+01	1.2630e+01	9e-06	3e-06	1e-15	2e-07
7:	1.2630e+01	1.2630e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9841e+00	5.9927e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0003e+01	1.0006e+01	2e+00	6e-01	2e-15	4e-02
3:	1.0860e+01	1.0861e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0989e+01	1.0989e+01	5e-02	2e-02	2e-15	1e-03
5:	1.1007e+01	1.1007e+01	7e-03	2e-03	1e-14	2e-04
6:	1.1011e+01	1.1011e+01	3e-04	9e-05	1e-15	7e-06
7:	1.1011e+01	1.1011e+01	3e-06	9e-07	2e-15	7e-08
8:	1.1011e+01	1.1011e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8190e+00	9.8225e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2211e+01	1.2212e+01	1e+00	3e-01	3e-15	3e-02
3:	1.2832e+01	1.2833e+01	2e-01	6e-02	1e-15	5e-03
4:	1.2933e+01	1.2933e+01	2e-02	7e-03	2e-15	6e-04
5:	1.2945e+01	1.2945e+01	3e-04	9e-05	1e-15	7e-06
6:	1.2945e+01	1.2945e+01	3e-06	9e-07	1e-15	7e-08
7:	1.2945e+01	1.2945e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7393e+00	7.7502e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2086e+01	1.2090e+01	2e+00	5e-01	2e-15	3e-02
3:	1.2449e+01	1.2450e+01	4e-01	1e-01	2e-15	9e-03
4:	1.2622e+01	1.2622e+01	1e-01	3e-02	9e-16	2e-03
5:	1.2662e+01	1.2662e+01	1e-03	4e-04	1e-15	3e-05
6:	1.2662e+01	1.2662e+01	1e-05	4e-06	8e-16	3e-07
7:	1.2662e+01	1.2662e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1517e+00	6.1583e+00	8e+00	2e+00	2e-16	2e-01
2:	9.9131e+00	9.9150e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0614e+01	1.0615e+01	4e-01	1e-01	2e-15	8e-03
4:	1.0797e+01	1.0797e+01	2e-02	5e-03	9e-16	4e-04
5:	1.0803e+01	1.0803e+01	4e-03	1e-03	3e-14	9e-05
6:	1.0805e+01	1.0805e+01	5e-05	1e-05	1e-15	1e-06
7:	1.0805e+01	1.0805e+01	5e-07	1e-07	7e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	6.7354e+00	6.7522e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0840e+01	1.0845e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1387e+01	1.1388e+01	3e-01	8e-02	2e-15	6e-03
4:	1.1493e+01	1.1493e+01	6e-02	2e-02	2e-15	1e-03
5:	1.1520e+01	1.1520e+01	1e-02	4e-03	1e-15	3e-04
6:	1.1524e+01	1.1524e+01	2e-03	6e-04	3e-15	4e-05
7:	1.1525e+01	1.1525e+01	7e-05	2e-05	6e-16	2e-06
8:	1.1525e+01	1.1525e+01	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9106e+00	4.9178e+00	8e+00	2e+00	3e-16	2e-01
2:	7.8654e+00	7.8678e+00	2e+00	6e-01	2e-15	4e-02
3:	8.7744e+00	8.7748e+00	3e-01	9e-02	8e-16	6e-03
4:	8.9040e+00	8.9041e+00	4e-02	1e-02	9e-16	8e-04
5:	8.9196e+00	8.9196e+00	5e-04	1e-04	2e-15	1e-05
6:	8.9199e+00	8.9199e+00	5e-06	1e-06	2e-15	1e-07
7:	8.9199e+00	8.9199e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7072e+00	9.7147e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2999e+01	1.3001e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3629e+01	1.3629e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3806e+01	1.3806e+01	4e-02	1e-02	2e-15	8e-04
5:	1.3823e+01	1.3823e+01	3e-03	1e-03	2e-14	8e-05
6:	1.3825e+01	1.3825e+01	3e-05	1e-05	2e-15	8e-07
7:	1.3825e+01	1.3825e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9413e+00	7.9458e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0825e+01	1.0826e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1916e+01	1.1916e+01	2e-01	6e-02	8e-16	4e-03
4:	1.1997e+01	1.1997e+01	3e-02	9e-03	3e-15	7e-04
5:	1.2014e+01	1.2014e+01	6e-04	2e-04	1e-15	1e-05
6:	1.2014e+01	1.2014e+01	6e-06	2e-06	1e-15	1e-07
7:	1.2014e+01	1.2014e+01	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.5922e+00	8.6040e+00	8e+00	3e+00	5e-16	2e-01
2:	1.2132e+01	1.2137e+01	3e+00	8e-01	1e-15	6e-02
3:	1.2857e+01	1.2858e+01	6e-01	2e-01	2e-15	1e-02
4:	1.3165e+01	1.3165e+01	1e-01	4e-02	7e-16	3e-03
5:	1.3216e+01	1.3216e+01	6e-03	2e-03	8e-16	1e-04
6:	1.3218e+01	1.3218e+01	6e-05	2e-05	8e-16	1e-06
7:	1.3218e+01	1.3218e+01	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.9602e+00	8.9681e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1178e+01	1.1181e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2268e+01	1.2269e+01	6e-01	2e-01	1e-15	1e-02
4:	1.2476e+01	1.2476e+01	2e-01	6e-02	2e-15	4e-03
5:	1.2560e+01	1.2560e+01	2e-02	7e-03	8e-16	6e-04
6:	1.2567e+01	1.2567e+01	7e-03	2e-03	1e-14	2e-04
7:	1.2570e+01	1.2570e+01	7e-05	2e-05	7e-16	2e-06
8:	1.2570e+01	1.2570e+01	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5724e+00	7.5801e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0503e+01	1.0506e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1372e+01	1.1373e+01	3e-01	9e-02	9e-16	7e-03
4:	1.1467e+01	1.1468e+01	4e-02	1e-02	1e-15	1e-03
5:	1.1481e+01	1.1481e+01	2e-03	5e-04	5e-15	4e-05
6:	1.1482e+01	1.1482e+01	2e-05	5e-06	1e-15	4e-07
7:	1.1482e+01	1.1482e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4695e+00	6.4727e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7363e+00	9.7373e+00	1e+00	5e-01	1e-15	4e-02
3:	1.0474e+01	1.0474e+01	2e-01	6e-02	1e-15	4e-03
4:	1.0564e+01	1.0564e+01	9e-03	3e-03	1e-15	2e-04
5:	1.0567e+01	1.0567e+01	2e-03	6e-04	1e-13	5e-05
6:	1.0568e+01	1.0568e+01	2e-05	6e-06	4e-15	5e-07
7:	1.0568e+01	1.0568e+01	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5461e+00	9.5534e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3180e+01	1.3183e+01	2e+00	5e-01	1e-15	4e-02
3:	1.4012e+01	1.4012e+01	3e-01	1e-01	2e-15	8e-03
4:	1.4176e+01	1.4176e+01	2e-02	6e-03	1e-15	4e-04
5:	1.4185e+01	1.4185e+01	2e-04	6e-05	1e-15	4e-06
6:	1.4186e+01	1.4186e+01	2e-06	6e-07	9e-16	4e-08
7:	1.4186e+01	1.4186e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8373e+00	8.8454e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2107e+01	1.2112e+01	3e+00	8e-01	3e-15	6e-02
3:	1.3228e+01	1.3229e+01	4e-01	1e-01	9e-16	1e-02
4:	1.3446e+01	1.3446e+01	8e-02	3e-02	1e-15	2e-03

5:	1.3489e+01	1.3489e+01	2e-03	7e-04	2e-15	5e-05
6:	1.3490e+01	1.3490e+01	2e-05	7e-06	2e-15	5e-07
7:	1.3490e+01	1.3490e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8706e+00	7.8818e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1067e+01	1.1071e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2198e+01	1.2199e+01	3e-01	1e-01	1e-15	8e-03
4:	1.2329e+01	1.2329e+01	7e-02	2e-02	2e-15	2e-03
5:	1.2362e+01	1.2362e+01	5e-03	2e-03	4e-15	1e-04
6:	1.2364e+01	1.2364e+01	5e-05	2e-05	1e-15	1e-06
7:	1.2364e+01	1.2364e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4147e+00	8.4224e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1870e+01	1.1872e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2786e+01	1.2787e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2892e+01	1.2892e+01	1e-01	3e-02	5e-15	2e-03
5:	1.2942e+01	1.2942e+01	2e-02	6e-03	7e-15	4e-04
6:	1.2947e+01	1.2947e+01	6e-03	2e-03	9e-15	1e-04
7:	1.2949e+01	1.2949e+01	3e-03	1e-03	8e-14	8e-05
8:	1.2950e+01	1.2950e+01	1e-03	4e-04	3e-14	3e-05
9:	1.2950e+01	1.2950e+01	2e-05	7e-06	4e-14	5e-07
10:	1.2950e+01	1.2950e+01	2e-07	7e-08	2e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8140e+00	5.8146e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6270e+00	9.6272e+00	1e+00	3e-01	2e-15	3e-02
3:	1.0132e+01	1.0132e+01	1e-01	4e-02	2e-15	3e-03
4:	1.0176e+01	1.0176e+01	4e-03	1e-03	5e-15	1e-04
5:	1.0178e+01	1.0178e+01	4e-05	1e-05	8e-16	1e-06
6:	1.0178e+01	1.0178e+01	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3430e+00	8.3558e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2590e+01	1.2593e+01	2e+00	5e-01	2e-15	3e-02
3:	1.3346e+01	1.3347e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3469e+01	1.3469e+01	1e-01	3e-02	1e-14	2e-03
5:	1.3520e+01	1.3520e+01	1e-02	3e-03	2e-15	3e-04
6:	1.3523e+01	1.3523e+01	4e-04	1e-04	3e-15	1e-05
7:	1.3524e+01	1.3524e+01	5e-06	1e-06	1e-15	1e-07
8:	1.3524e+01	1.3524e+01	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4300e+00	7.4397e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1176e+01	1.1178e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1936e+01	1.1937e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2030e+01	1.2030e+01	7e-03	2e-03	7e-16	2e-04
5:	1.2033e+01	1.2033e+01	7e-05	2e-05	7e-16	2e-06
6:	1.2033e+01	1.2033e+01	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6887e+00	8.6953e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2474e+01	1.2476e+01	2e+00	6e-01	3e-15	4e-02
3:	1.3246e+01	1.3247e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3429e+01	1.3429e+01	2e-02	7e-03	2e-15	5e-04
5:	1.3439e+01	1.3439e+01	2e-04	7e-05	2e-15	5e-06
6:	1.3439e+01	1.3439e+01	2e-06	7e-07	2e-15	5e-08
7:	1.3439e+01	1.3439e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8767e+00	8.8823e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2625e+01	1.2627e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3252e+01	1.3252e+01	1e-01	4e-02	2e-15	3e-03
4:	1.3298e+01	1.3298e+01	6e-02	2e-02	1e-15	1e-03
5:	1.3321e+01	1.3321e+01	2e-03	6e-04	8e-16	4e-05
6:	1.3322e+01	1.3322e+01	2e-05	6e-06	1e-15	4e-07
7:	1.3322e+01	1.3322e+01	2e-07	6e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4468e+00	7.4506e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0721e+01	1.0722e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1325e+01	1.1325e+01	1e-01	4e-02	7e-16	3e-03
4:	1.1374e+01	1.1374e+01	2e-02	6e-03	6e-16	4e-04
5:	1.1382e+01	1.1382e+01	3e-03	9e-04	2e-15	7e-05
6:	1.1383e+01	1.1383e+01	3e-05	9e-06	3e-15	7e-07
7:	1.1383e+01	1.1383e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7073e+00	9.7135e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2669e+01	1.2672e+01	2e+00	8e-01	1e-15	6e-02
3:	1.3682e+01	1.3683e+01	5e-01	2e-01	1e-15	1e-02
4:	1.3956e+01	1.3956e+01	5e-02	2e-02	1e-15	1e-03
5:	1.3979e+01	1.3979e+01	6e-04	2e-04	7e-15	2e-05
6:	1.3979e+01	1.3979e+01	6e-06	2e-06	4e-15	2e-07
7:	1.3979e+01	1.3979e+01	6e-08	2e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.7705e+00	8.7780e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2946e+01	1.2948e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3501e+01	1.3501e+01	2e-01	5e-02	9e-16	4e-03
4:	1.3567e+01	1.3567e+01	2e-03	6e-04	1e-15	5e-05
5:	1.3568e+01	1.3568e+01	2e-05	6e-06	1e-15	5e-07
6:	1.3568e+01	1.3568e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0159e+01	1.0164e+01	7e+00	2e+00	3e-16	2e-01
2:	1.3492e+01	1.3494e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4201e+01	1.4202e+01	3e-01	1e-01	3e-15	8e-03
4:	1.4371e+01	1.4371e+01	4e-02	1e-02	1e-15	1e-03
5:	1.4392e+01	1.4392e+01	1e-03	4e-04	9e-16	3e-05
6:	1.4393e+01	1.4393e+01	1e-05	4e-06	6e-16	3e-07
7:	1.4393e+01	1.4393e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3123e+00	9.3184e+00	7e+00	2e+00	4e-16	1e-01
2:	1.2577e+01	1.2580e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3489e+01	1.3490e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3616e+01	1.3616e+01	1e-02	3e-03	2e-15	3e-04
5:	1.3621e+01	1.3621e+01	1e-04	3e-05	9e-16	3e-06
6:	1.3621e+01	1.3621e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2737e+00	7.2873e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0656e+01	1.0662e+01	2e+00	8e-01	1e-15	5e-02
3:	1.1604e+01	1.1605e+01	4e-01	1e-01	6e-16	9e-03
4:	1.1782e+01	1.1783e+01	4e-02	1e-02	1e-15	9e-04
5:	1.1800e+01	1.1800e+01	4e-04	1e-04	6e-16	9e-06
6:	1.1800e+01	1.1800e+01	4e-06	1e-06	7e-16	9e-08
7:	1.1800e+01	1.1800e+01	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6175e+00	8.6251e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2011e+01	1.2014e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2716e+01	1.2717e+01	6e-01	2e-01	1e-15	1e-02
4:	1.2925e+01	1.2925e+01	1e-01	3e-02	1e-15	2e-03
5:	1.2976e+01	1.2976e+01	2e-02	5e-03	1e-15	4e-04
6:	1.2982e+01	1.2982e+01	1e-03	3e-04	1e-14	3e-05
7:	1.2983e+01	1.2983e+01	1e-05	3e-06	2e-15	3e-07
8:	1.2983e+01	1.2983e+01	1e-07	3e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2731e+00	8.2825e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2399e+01	1.2402e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3059e+01	1.3060e+01	4e-01	1e-01	9e-16	9e-03
4:	1.3235e+01	1.3235e+01	4e-02	1e-02	2e-15	9e-04
5:	1.3253e+01	1.3253e+01	4e-04	1e-04	6e-16	9e-06
6:	1.3253e+01	1.3253e+01	4e-06	1e-06	6e-16	9e-08
7:	1.3253e+01	1.3253e+01	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.3576e+00	9.3657e+00	7e+00	2e+00	8e-16	2e-01
2:	1.2289e+01	1.2293e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3168e+01	1.3169e+01	3e-01	1e-01	9e-16	7e-03
4:	1.3308e+01	1.3308e+01	3e-02	8e-03	9e-16	6e-04
5:	1.3317e+01	1.3317e+01	3e-03	8e-04	3e-14	6e-05
6:	1.3319e+01	1.3319e+01	3e-05	8e-06	2e-15	6e-07
7:	1.3319e+01	1.3319e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8650e+00	8.8727e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2880e+01	1.2883e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3376e+01	1.3377e+01	5e-01	2e-01	2e-15	1e-02
4:	1.3593e+01	1.3593e+01	1e-01	3e-02	2e-15	2e-03
5:	1.3655e+01	1.3655e+01	2e-03	6e-04	7e-16	4e-05
6:	1.3656e+01	1.3656e+01	2e-05	6e-06	6e-16	4e-07
7:	1.3656e+01	1.3656e+01	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3305e+00	8.3429e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2152e+01	1.2157e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3317e+01	1.3318e+01	2e-01	8e-02	9e-16	6e-03
4:	1.3428e+01	1.3428e+01	3e-02	1e-02	4e-15	7e-04
5:	1.3438e+01	1.3438e+01	5e-03	1e-03	4e-14	1e-04
6:	1.3440e+01	1.3440e+01	1e-04	4e-05	2e-15	3e-06
7:	1.3440e+01	1.3440e+01	1e-06	4e-07	1e-14	3e-08
8:	1.3440e+01	1.3440e+01	1e-08	4e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6426e+00	8.6466e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2344e+01	1.2345e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3180e+01	1.3180e+01	2e-01	6e-02	2e-15	4e-03
4:	1.3287e+01	1.3287e+01	3e-03	9e-04	1e-15	7e-05

5:	1.3289e+01	1.3289e+01	3e-05	9e-06	2e-15	7e-07
6:	1.3289e+01	1.3289e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1793e+00	9.1920e+00	8e+00	2e+00	4e-16	2e-01
2:	1.3288e+01	1.3291e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3858e+01	1.3858e+01	9e-02	3e-02	2e-15	2e-03
4:	1.3900e+01	1.3900e+01	1e-03	4e-04	3e-15	3e-05
5:	1.3901e+01	1.3901e+01	1e-05	4e-06	2e-15	3e-07
6:	1.3901e+01	1.3901e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7660e+00	6.7721e+00	8e+00	2e+00	2e-16	2e-01
2:	9.8235e+00	9.8260e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0728e+01	1.0729e+01	3e-01	1e-01	1e-15	7e-03
4:	1.0867e+01	1.0867e+01	5e-02	2e-02	9e-16	1e-03
5:	1.0874e+01	1.0875e+01	3e-02	1e-02	1e-14	8e-04
6:	1.0889e+01	1.0889e+01	4e-04	1e-04	6e-16	1e-05
7:	1.0889e+01	1.0889e+01	4e-06	1e-06	5e-16	1e-07
8:	1.0889e+01	1.0889e+01	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1794e+00	5.1925e+00	8e+00	3e+00	3e-16	2e-01
2:	7.9860e+00	7.9897e+00	2e+00	5e-01	7e-16	4e-02
3:	8.7228e+00	8.7234e+00	2e-01	7e-02	1e-15	5e-03
4:	8.8103e+00	8.8103e+00	3e-02	8e-03	1e-15	6e-04
5:	8.8215e+00	8.8215e+00	2e-03	7e-04	4e-15	6e-05
6:	8.8226e+00	8.8226e+00	1e-04	4e-05	1e-15	3e-06
7:	8.8226e+00	8.8226e+00	1e-06	4e-07	3e-15	3e-08
8:	8.8226e+00	8.8226e+00	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5815e+00	6.5865e+00	7e+00	2e+00	4e-16	2e-01
2:	9.9620e+00	9.9637e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0533e+01	1.0533e+01	2e-01	8e-02	9e-16	6e-03
4:	1.0665e+01	1.0665e+01	2e-02	7e-03	8e-16	5e-04
5:	1.0674e+01	1.0674e+01	2e-04	7e-05	7e-16	6e-06
6:	1.0675e+01	1.0675e+01	2e-06	7e-07	5e-16	6e-08
7:	1.0675e+01	1.0675e+01	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2179e+00	6.2358e+00	9e+00	3e+00	5e-16	2e-01
2:	1.1649e+01	1.1652e+01	1e+00	4e-01	1e-15	2e-02



3:	1.2093e+01	1.2094e+01	2e-01	5e-02	1e-15	3e-03
4:	1.2140e+01	1.2140e+01	2e-02	8e-03	1e-14	5e-04
5:	1.2143e+01	1.2143e+01	7e-03	2e-03	8e-14	2e-04
6:	1.2146e+01	1.2146e+01	5e-04	2e-04	6e-15	1e-05
7:	1.2146e+01	1.2146e+01	5e-06	2e-06	3e-14	1e-07
8:	1.2146e+01	1.2146e+01	5e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8835e+00	8.8901e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1690e+01	1.1692e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2341e+01	1.2342e+01	2e-01	6e-02	1e-15	4e-03
4:	1.2420e+01	1.2420e+01	8e-03	2e-03	2e-15	2e-04
5:	1.2423e+01	1.2423e+01	8e-05	2e-05	2e-15	2e-06
6:	1.2423e+01	1.2423e+01	8e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0651e+01	1.0654e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4065e+01	1.4066e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4561e+01	1.4561e+01	3e-01	9e-02	4e-15	7e-03
4:	1.4678e+01	1.4679e+01	8e-02	3e-02	3e-15	2e-03
5:	1.4712e+01	1.4712e+01	2e-02	6e-03	3e-15	5e-04
6:	1.4722e+01	1.4722e+01	1e-03	4e-04	3e-15	3e-05
7:	1.4722e+01	1.4722e+01	1e-05	4e-06	5e-15	3e-07
8:	1.4722e+01	1.4722e+01	1e-07	4e-08	5e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9808e+00	7.9898e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1242e+01	1.1245e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2449e+01	1.2450e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2634e+01	1.2634e+01	1e-01	3e-02	2e-15	2e-03
5:	1.2677e+01	1.2677e+01	4e-03	1e-03	3e-15	1e-04
6:	1.2679e+01	1.2679e+01	4e-05	1e-05	2e-15	1e-06
7:	1.2679e+01	1.2679e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0510e+01	1.0513e+01	6e+00	2e+00	4e-16	2e-01
2:	1.4257e+01	1.4257e+01	1e+00	4e-01	4e-15	3e-02
3:	1.4755e+01	1.4756e+01	3e-01	1e-01	4e-15	7e-03
4:	1.4877e+01	1.4877e+01	6e-02	2e-02	7e-15	2e-03
5:	1.4911e+01	1.4911e+01	1e-02	4e-03	4e-15	3e-04
6:	1.4917e+01	1.4917e+01	2e-04	6e-05	9e-15	5e-06
7:	1.4917e+01	1.4917e+01	2e-06	6e-07	8e-15	5e-08
8:	1.4917e+01	1.4917e+01	2e-08	6e-09	9e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4261e+00	8.4379e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1879e+01	1.1883e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2513e+01	1.2514e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2648e+01	1.2648e+01	9e-02	3e-02	1e-15	2e-03
5:	1.2677e+01	1.2677e+01	2e-02	5e-03	1e-15	4e-04
6:	1.2682e+01	1.2682e+01	4e-04	1e-04	8e-15	9e-06
7:	1.2682e+01	1.2682e+01	4e-06	1e-06	2e-15	9e-08
8:	1.2682e+01	1.2682e+01	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5253e+00	7.5315e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0726e+01	1.0728e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1466e+01	1.1467e+01	7e-01	2e-01	3e-15	2e-02
4:	1.1847e+01	1.1848e+01	9e-02	3e-02	1e-15	2e-03
5:	1.1891e+01	1.1891e+01	8e-03	3e-03	1e-15	2e-04
6:	1.1895e+01	1.1895e+01	1e-04	3e-05	1e-15	2e-06
7:	1.1895e+01	1.1895e+01	1e-06	3e-07	1e-15	2e-08
8:	1.1895e+01	1.1895e+01	1e-08	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.7811e+00	9.7837e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2998e+01	1.2999e+01	2e+00	6e-01	1e-15	4e-02
3:	1.4065e+01	1.4065e+01	3e-01	1e-01	1e-15	8e-03
4:	1.4167e+01	1.4167e+01	1e-01	4e-02	2e-14	3e-03
5:	1.4218e+01	1.4218e+01	3e-02	1e-02	5e-15	8e-04
6:	1.4233e+01	1.4233e+01	4e-04	1e-04	2e-15	1e-05
7:	1.4233e+01	1.4233e+01	4e-06	1e-06	3e-15	1e-07
8:	1.4233e+01	1.4233e+01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8074e+00	7.8182e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1656e+01	1.1659e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2182e+01	1.2182e+01	3e-01	9e-02	1e-15	6e-03
4:	1.2319e+01	1.2320e+01	5e-02	2e-02	7e-16	1e-03
5:	1.2340e+01	1.2340e+01	1e-03	4e-04	2e-15	3e-05
6:	1.2341e+01	1.2341e+01	1e-05	4e-06	9e-16	3e-07
7:	1.2341e+01	1.2341e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6300e+00	8.6399e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2659e+01	1.2662e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3285e+01	1.3286e+01	4e-01	1e-01	1e-15	9e-03

4:	1.3456e+01	1.3456e+01	5e-02	2e-02	2e-15	1e-03
5:	1.3480e+01	1.3480e+01	1e-03	3e-04	4e-15	2e-05
6:	1.3480e+01	1.3480e+01	1e-05	3e-06	1e-15	2e-07
7:	1.3480e+01	1.3480e+01	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8400e+00	8.8446e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2538e+01	1.2540e+01	2e+00	7e-01	2e-15	6e-02
3:	1.3180e+01	1.3181e+01	5e-01	2e-01	2e-15	1e-02
4:	1.3393e+01	1.3393e+01	1e-01	3e-02	1e-15	2e-03
5:	1.3447e+01	1.3447e+01	1e-02	5e-03	9e-16	4e-04
6:	1.3453e+01	1.3453e+01	6e-04	2e-04	8e-16	1e-05
7:	1.3454e+01	1.3454e+01	8e-05	3e-05	9e-14	2e-06
8:	1.3454e+01	1.3454e+01	2e-06	7e-07	5e-14	5e-08
9:	1.3454e+01	1.3454e+01	2e-08	7e-09	3e-13	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1071e+00	6.1121e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1537e+00	9.1553e+00	2e+00	5e-01	3e-15	4e-02
3:	9.8682e+00	9.8685e+00	2e-01	8e-02	1e-15	6e-03
4:	9.9628e+00	9.9629e+00	6e-02	2e-02	2e-15	1e-03
5:	9.9901e+00	9.9901e+00	1e-02	4e-03	8e-16	3e-04
6:	9.9945e+00	9.9945e+00	3e-04	9e-05	7e-15	7e-06
7:	9.9946e+00	9.9946e+00	3e-06	9e-07	3e-15	7e-08
8:	9.9946e+00	9.9946e+00	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9569e+00	8.9659e+00	8e+00	3e+00	3e-16	2e-01
2:	1.3725e+01	1.3727e+01	2e+00	5e-01	3e-15	3e-02
3:	1.4282e+01	1.4282e+01	3e-01	9e-02	2e-15	6e-03
4:	1.4383e+01	1.4384e+01	4e-02	1e-02	3e-15	1e-03
5:	1.4405e+01	1.4405e+01	4e-03	1e-03	1e-14	9e-05
6:	1.4406e+01	1.4406e+01	4e-05	1e-05	1e-14	9e-07
7:	1.4406e+01	1.4406e+01	4e-07	1e-07	1e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0965e+00	9.1019e+00	7e+00	2e+00	5e-16	2e-01
2:	1.3337e+01	1.3339e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3970e+01	1.3970e+01	3e-01	8e-02	2e-15	6e-03
4:	1.4092e+01	1.4092e+01	3e-02	9e-03	2e-15	7e-04
5:	1.4106e+01	1.4106e+01	6e-04	2e-04	2e-15	1e-05
6:	1.4107e+01	1.4107e+01	4e-05	1e-05	2e-12	1e-06
7:	1.4107e+01	1.4107e+01	4e-07	1e-07	2e-12	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8637e+00	7.8700e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2246e+01	1.2248e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2994e+01	1.2995e+01	3e-01	1e-01	4e-15	8e-03
4:	1.3154e+01	1.3154e+01	3e-02	9e-03	4e-15	7e-04
5:	1.3170e+01	1.3170e+01	4e-03	1e-03	1e-15	1e-04
6:	1.3171e+01	1.3171e+01	4e-05	1e-05	3e-15	1e-06
7:	1.3172e+01	1.3172e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8644e+00	7.8694e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1849e+01	1.1850e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2421e+01	1.2422e+01	3e-01	1e-01	1e-15	8e-03
4:	1.2545e+01	1.2545e+01	1e-01	4e-02	3e-15	3e-03
5:	1.2580e+01	1.2580e+01	3e-02	1e-02	5e-15	8e-04
6:	1.2594e+01	1.2594e+01	4e-04	1e-04	9e-16	9e-06
7:	1.2595e+01	1.2595e+01	4e-06	1e-06	6e-16	9e-08
8:	1.2595e+01	1.2595e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.4389e+00	9.4442e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3677e+01	1.3678e+01	2e+00	5e-01	2e-15	3e-02
3:	1.4221e+01	1.4222e+01	4e-01	1e-01	3e-15	8e-03
4:	1.4373e+01	1.4373e+01	5e-02	2e-02	3e-15	1e-03
5:	1.4396e+01	1.4396e+01	1e-03	5e-04	2e-15	3e-05
6:	1.4397e+01	1.4397e+01	1e-05	5e-06	8e-16	3e-07
7:	1.4397e+01	1.4397e+01	1e-07	5e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0197e+00	6.0251e+00	7e+00	2e+00	4e-16	2e-01
2:	9.3047e+00	9.3065e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9871e+00	9.9876e+00	4e-01	1e-01	2e-15	9e-03
4:	1.0144e+01	1.0144e+01	1e-01	4e-02	2e-15	3e-03
5:	1.0183e+01	1.0183e+01	3e-02	8e-03	8e-15	6e-04
6:	1.0196e+01	1.0196e+01	7e-04	2e-04	3e-15	2e-05
7:	1.0196e+01	1.0196e+01	7e-06	2e-06	2e-15	2e-07
8:	1.0196e+01	1.0196e+01	7e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1348e+00	9.1444e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2970e+01	1.2973e+01	2e+00	5e-01	1e-15	3e-02
3:	1.3642e+01	1.3643e+01	4e-01	1e-01	9e-16	1e-02
4:	1.3821e+01	1.3822e+01	1e-01	5e-02	2e-15	3e-03

5:	1.3874e+01	1.3874e+01	4e-02	1e-02	2e-14	1e-03
6:	1.3895e+01	1.3895e+01	6e-04	2e-04	2e-15	1e-05
7:	1.3895e+01	1.3895e+01	6e-06	2e-06	1e-15	1e-07
8:	1.3895e+01	1.3895e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2126e+00	7.2217e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0908e+01	1.0911e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1811e+01	1.1812e+01	3e-01	1e-01	3e-15	8e-03
4:	1.1984e+01	1.1984e+01	9e-02	3e-02	3e-15	2e-03
5:	1.2016e+01	1.2016e+01	2e-03	6e-04	2e-15	4e-05
6:	1.2017e+01	1.2017e+01	2e-05	6e-06	2e-15	4e-07
7:	1.2017e+01	1.2017e+01	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.2252e+00	9.2321e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2594e+01	1.2597e+01	2e+00	6e-01	3e-15	5e-02
3:	1.3314e+01	1.3315e+01	5e-01	2e-01	3e-15	1e-02
4:	1.3551e+01	1.3551e+01	1e-01	4e-02	1e-15	3e-03
5:	1.3595e+01	1.3595e+01	8e-03	3e-03	4e-15	2e-04
6:	1.3599e+01	1.3599e+01	8e-05	3e-05	1e-15	2e-06
7:	1.3599e+01	1.3599e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0043e+01	1.0050e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4440e+01	1.4442e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4888e+01	1.4889e+01	4e-01	1e-01	3e-15	9e-03
4:	1.5098e+01	1.5098e+01	4e-02	1e-02	1e-15	9e-04
5:	1.5114e+01	1.5114e+01	4e-04	1e-04	9e-16	9e-06
6:	1.5114e+01	1.5114e+01	4e-06	1e-06	1e-15	9e-08
7:	1.5114e+01	1.5114e+01	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4534e+00	7.4652e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0998e+01	1.1002e+01	2e+00	6e-01	3e-15	4e-02
3:	1.2099e+01	1.2099e+01	4e-01	1e-01	2e-15	8e-03
4:	1.2198e+01	1.2199e+01	1e-01	4e-02	5e-15	3e-03
5:	1.2262e+01	1.2262e+01	1e-02	3e-03	7e-16	2e-04
6:	1.2266e+01	1.2266e+01	1e-04	3e-05	8e-16	2e-06
7:	1.2266e+01	1.2266e+01	1e-06	3e-07	8e-16	2e-08
8:	1.2266e+01	1.2266e+01	1e-08	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	1.1090e+01	1.1095e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4903e+01	1.4905e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5298e+01	1.5299e+01	5e-01	2e-01	4e-15	1e-02
4:	1.5553e+01	1.5553e+01	5e-02	2e-02	1e-15	1e-03
5:	1.5581e+01	1.5581e+01	6e-04	2e-04	1e-15	1e-05
6:	1.5581e+01	1.5581e+01	6e-06	2e-06	1e-15	1e-07
7:	1.5581e+01	1.5581e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7616e+00	9.7683e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3199e+01	1.3201e+01	2e+00	5e-01	1e-15	4e-02
3:	1.3964e+01	1.3965e+01	3e-01	1e-01	2e-15	7e-03
4:	1.4067e+01	1.4067e+01	1e-01	3e-02	7e-15	2e-03
5:	1.4129e+01	1.4129e+01	6e-03	2e-03	9e-16	2e-04
6:	1.4131e+01	1.4131e+01	6e-05	2e-05	2e-15	2e-06
7:	1.4131e+01	1.4131e+01	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5329e+00	9.5351e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3744e+01	1.3744e+01	2e+00	6e-01	1e-15	4e-02
3:	1.4363e+01	1.4363e+01	4e-01	1e-01	3e-15	9e-03
4:	1.4558e+01	1.4558e+01	8e-02	3e-02	1e-15	2e-03
5:	1.4595e+01	1.4595e+01	1e-02	3e-03	1e-15	2e-04
6:	1.4599e+01	1.4599e+01	1e-04	4e-05	4e-15	3e-06
7:	1.4599e+01	1.4599e+01	1e-06	4e-07	4e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0828e+01	1.0833e+01	6e+00	2e+00	6e-16	1e-01
2:	1.3191e+01	1.3192e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4088e+01	1.4088e+01	3e-01	9e-02	2e-15	7e-03
4:	1.4199e+01	1.4199e+01	6e-02	2e-02	6e-15	2e-03
5:	1.4233e+01	1.4233e+01	1e-02	3e-03	1e-15	3e-04
6:	1.4237e+01	1.4237e+01	1e-04	4e-05	1e-15	3e-06
7:	1.4237e+01	1.4237e+01	1e-06	4e-07	1e-15	3e-08
8:	1.4237e+01	1.4237e+01	1e-08	4e-09	4e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8519e+00	8.8635e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2260e+01	1.2264e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2975e+01	1.2975e+01	3e-01	1e-01	8e-16	8e-03
4:	1.3124e+01	1.3124e+01	1e-01	3e-02	2e-15	2e-03
5:	1.3149e+01	1.3149e+01	3e-02	1e-02	1e-14	7e-04
6:	1.3162e+01	1.3162e+01	5e-03	2e-03	2e-15	1e-04
7:	1.3164e+01	1.3164e+01	5e-05	2e-05	1e-15	1e-06

8: 1.3164e+01 1.3164e+01 5e-07 2e-07 1e-15 1e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.2679e+00	9.2781e+00	9e+00	3e+00	2e-16	2e-01
2:	1.2994e+01	1.2998e+01	2e+00	7e-01	4e-15	5e-02
3:	1.3773e+01	1.3774e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3922e+01	1.3922e+01	8e-02	3e-02	1e-15	2e-03
5:	1.3948e+01	1.3948e+01	2e-02	6e-03	1e-15	5e-04
6:	1.3956e+01	1.3956e+01	2e-03	8e-04	5e-16	6e-05
7:	1.3957e+01	1.3957e+01	2e-05	8e-06	1e-15	6e-07
8:	1.3957e+01	1.3957e+01	2e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1594e+01	1.1596e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5016e+01	1.5017e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5499e+01	1.5499e+01	3e-01	9e-02	2e-15	7e-03
4:	1.5622e+01	1.5622e+01	4e-02	1e-02	6e-15	9e-04
5:	1.5642e+01	1.5642e+01	4e-04	1e-04	9e-16	1e-05
6:	1.5642e+01	1.5642e+01	4e-06	1e-06	1e-15	1e-07
7:	1.5642e+01	1.5642e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0200e+00	7.0314e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1053e+01	1.1057e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1894e+01	1.1895e+01	5e-01	2e-01	3e-15	1e-02
4:	1.2044e+01	1.2044e+01	1e-01	3e-02	8e-15	2e-03
5:	1.2066e+01	1.2066e+01	5e-02	2e-02	5e-15	1e-03
6:	1.2089e+01	1.2089e+01	2e-03	7e-04	1e-15	6e-05
7:	1.2090e+01	1.2090e+01	2e-05	8e-06	7e-16	6e-07
8:	1.2090e+01	1.2090e+01	2e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	7.6896e+00	7.7097e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0222e+01	1.0234e+01	4e+00	1e+00	9e-16	8e-02
3:	1.1435e+01	1.1441e+01	1e+00	3e-01	9e-16	2e-02
4:	1.1726e+01	1.1728e+01	3e-01	9e-02	1e-15	7e-03
5:	1.1832e+01	1.1833e+01	7e-02	2e-02	1e-15	2e-03
6:	1.1859e+01	1.1859e+01	5e-03	2e-03	3e-15	1e-04
7:	1.1861e+01	1.1861e+01	5e-05	2e-05	8e-16	1e-06
8:	1.1861e+01	1.1861e+01	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1825e+00	9.1916e+00	8e+00	3e+00	4e-16	2e-01

2:	1.3715e+01	1.3718e+01	2e+00	6e-01	9e-16	4e-02
3:	1.4375e+01	1.4376e+01	4e-01	1e-01	2e-15	1e-02
4:	1.4571e+01	1.4572e+01	9e-02	3e-02	8e-16	2e-03
5:	1.4603e+01	1.4603e+01	1e-03	4e-04	1e-15	3e-05
6:	1.4604e+01	1.4604e+01	1e-05	4e-06	2e-15	3e-07
7:	1.4604e+01	1.4604e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0966e+00	9.1035e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2793e+01	1.2795e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3496e+01	1.3497e+01	3e-01	8e-02	2e-15	6e-03
4:	1.3636e+01	1.3636e+01	2e-02	5e-03	2e-15	4e-04
5:	1.3643e+01	1.3643e+01	2e-04	5e-05	8e-16	4e-06
6:	1.3643e+01	1.3643e+01	2e-06	5e-07	1e-15	4e-08
7:	1.3643e+01	1.3643e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0171e+01	1.0178e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4233e+01	1.4236e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4920e+01	1.4921e+01	2e-01	7e-02	1e-15	5e-03
4:	1.5004e+01	1.5004e+01	4e-02	1e-02	3e-15	8e-04
5:	1.5016e+01	1.5016e+01	7e-03	2e-03	6e-15	2e-04
6:	1.5020e+01	1.5020e+01	3e-04	1e-04	9e-15	8e-06
7:	1.5020e+01	1.5020e+01	3e-06	1e-06	5e-15	8e-08
8:	1.5020e+01	1.5020e+01	3e-08	1e-08	5e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.5597e+00	8.5752e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1677e+01	1.1684e+01	3e+00	9e-01	3e-15	6e-02
3:	1.2851e+01	1.2854e+01	9e-01	3e-01	1e-15	2e-02
4:	1.3065e+01	1.3067e+01	4e-01	1e-01	3e-15	9e-03
5:	1.3209e+01	1.3209e+01	5e-02	2e-02	6e-16	1e-03
6:	1.3234e+01	1.3234e+01	8e-04	2e-04	5e-16	2e-05
7:	1.3234e+01	1.3234e+01	8e-06	2e-06	6e-16	2e-07
8:	1.3234e+01	1.3234e+01	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2524e+00	8.2617e+00	8e+00	3e+00	4e-16	2e-01
2:	1.2460e+01	1.2463e+01	2e+00	6e-01	3e-15	4e-02
3:	1.3303e+01	1.3304e+01	5e-01	1e-01	1e-15	1e-02
4:	1.3343e+01	1.3344e+01	3e-01	9e-02	4e-15	7e-03
5:	1.3465e+01	1.3465e+01	2e-02	8e-03	8e-16	6e-04
6:	1.3471e+01	1.3471e+01	7e-03	2e-03	3e-14	2e-04
7:	1.3474e+01	1.3474e+01	7e-05	2e-05	9e-16	2e-06



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8: 1.3474e+01 1.3474e+01 7e-07 2e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 5.2205e+00 5.2287e+00 7e+00 2e+00 4e-16 2e-01
2: 9.0163e+00 9.0186e+00 1e+00 4e-01 2e-15 3e-02
3: 9.5076e+00 9.5082e+00 3e-01 9e-02 8e-16 7e-03
4: 9.6041e+00 9.6042e+00 4e-02 1e-02 2e-15 9e-04
5: 9.6184e+00 9.6184e+00 8e-03 3e-03 2e-15 2e-04
6: 9.6213e+00 9.6213e+00 1e-04 4e-05 3e-15 3e-06
7: 9.6214e+00 9.6214e+00 1e-06 4e-07 2e-15 3e-08
8: 9.6214e+00 9.6214e+00 1e-08 4e-09 3e-15 3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0915e+01 1.0919e+01 7e+00 2e+00 2e-16 2e-01
2: 1.4615e+01 1.4617e+01 2e+00 5e-01 1e-15 4e-02
3: 1.5464e+01 1.5464e+01 2e-01 7e-02 3e-15 5e-03
4: 1.5555e+01 1.5555e+01 5e-02 2e-02 1e-14 1e-03
5: 1.5586e+01 1.5587e+01 4e-03 1e-03 2e-15 9e-05
6: 1.5588e+01 1.5588e+01 4e-05 1e-05 7e-15 1e-06
7: 1.5588e+01 1.5588e+01 4e-07 1e-07 8e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1379e+01 1.1384e+01 6e+00 2e+00 3e-16 1e-01
2: 1.4970e+01 1.4972e+01 2e+00 5e-01 2e-15 4e-02
3: 1.5692e+01 1.5692e+01 3e-01 1e-01 4e-15 8e-03
4: 1.5803e+01 1.5803e+01 4e-02 1e-02 1e-15 1e-03
5: 1.5819e+01 1.5819e+01 6e-04 2e-04 1e-15 1e-05
6: 1.5819e+01 1.5819e+01 6e-06 2e-06 9e-16 1e-07
7: 1.5819e+01 1.5819e+01 6e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 6.7829e+00 6.8004e+00 9e+00 3e+00 2e-16 2e-01
2: 1.0559e+01 1.0566e+01 3e+00 9e-01 9e-16 6e-02
3: 1.1523e+01 1.1525e+01 8e-01 2e-01 1e-15 2e-02
4: 1.1831e+01 1.1832e+01 2e-01 8e-02 9e-16 5e-03
5: 1.1932e+01 1.1932e+01 3e-02 1e-02 2e-15 8e-04
6: 1.1941e+01 1.1941e+01 9e-03 3e-03 3e-14 2e-04
7: 1.1945e+01 1.1945e+01 1e-04 4e-05 1e-15 3e-06
8: 1.1946e+01 1.1946e+01 1e-06 4e-07 1e-14 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0741e+01 1.0745e+01 6e+00 2e+00 3e-16 2e-01
2: 1.4882e+01 1.4883e+01 1e+00 4e-01 2e-15 3e-02

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3:	1.5161e+01	1.5162e+01	4e-01	1e-01	7e-15	9e-03
4:	1.5293e+01	1.5293e+01	2e-01	6e-02	4e-15	4e-03
5:	1.5341e+01	1.5341e+01	6e-02	2e-02	3e-15	1e-03
6:	1.5358e+01	1.5358e+01	1e-02	4e-03	1e-14	3e-04
7:	1.5363e+01	1.5363e+01	1e-04	4e-05	7e-16	3e-06
8:	1.5363e+01	1.5363e+01	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0814e+00	9.0897e+00	7e+00	2e+00	1e-15	2e-01
2:	1.2156e+01	1.2159e+01	2e+00	7e-01	3e-15	5e-02
3:	1.3169e+01	1.3170e+01	4e-01	1e-01	2e-15	9e-03
4:	1.3335e+01	1.3335e+01	4e-02	1e-02	2e-15	1e-03
5:	1.3353e+01	1.3353e+01	5e-04	2e-04	3e-15	1e-05
6:	1.3353e+01	1.3353e+01	5e-06	2e-06	4e-15	1e-07
7:	1.3353e+01	1.3353e+01	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0525e+01	1.0531e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3858e+01	1.3861e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4684e+01	1.4684e+01	4e-01	1e-01	9e-16	9e-03
4:	1.4808e+01	1.4808e+01	1e-01	3e-02	8e-15	2e-03
5:	1.4859e+01	1.4859e+01	7e-03	2e-03	1e-15	2e-04
6:	1.4862e+01	1.4862e+01	8e-05	2e-05	2e-15	2e-06
7:	1.4862e+01	1.4862e+01	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.6076e+00	9.6144e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3491e+01	1.3493e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4055e+01	1.4056e+01	1e-01	5e-02	1e-15	3e-03
4:	1.4113e+01	1.4113e+01	1e-02	4e-03	4e-15	3e-04
5:	1.4118e+01	1.4118e+01	1e-04	4e-05	2e-15	3e-06
6:	1.4118e+01	1.4118e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.9225e+00	7.9295e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2151e+01	1.2153e+01	1e+00	5e-01	1e-15	3e-02
3:	1.2787e+01	1.2788e+01	3e-01	1e-01	1e-15	7e-03
4:	1.2907e+01	1.2908e+01	9e-02	3e-02	2e-15	2e-03
5:	1.2930e+01	1.2930e+01	3e-02	8e-03	1e-14	6e-04
6:	1.2942e+01	1.2942e+01	3e-04	9e-05	1e-15	7e-06
7:	1.2942e+01	1.2942e+01	3e-06	9e-07	9e-16	7e-08
8:	1.2942e+01	1.2942e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7441e+00	5.7537e+00	8e+00	3e+00	3e-16	2e-01
2:	9.4131e+00	9.4165e+00	2e+00	7e-01	2e-15	5e-02
3:	9.9051e+00	9.9065e+00	6e-01	2e-01	2e-15	1e-02
4:	1.0184e+01	1.0184e+01	2e-01	5e-02	1e-15	4e-03
5:	1.0228e+01	1.0229e+01	3e-02	1e-02	2e-15	8e-04
6:	1.0241e+01	1.0241e+01	4e-04	1e-04	1e-15	1e-05
7:	1.0241e+01	1.0241e+01	4e-06	1e-06	8e-16	1e-07
8:	1.0241e+01	1.0241e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0276e+01	1.0285e+01	7e+00	2e+00	2e-16	1e-01
2:	1.3747e+01	1.3750e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4764e+01	1.4765e+01	2e-01	6e-02	1e-15	4e-03
4:	1.4823e+01	1.4823e+01	5e-02	2e-02	3e-14	1e-03
5:	1.4849e+01	1.4849e+01	6e-04	2e-04	1e-15	1e-05
6:	1.4849e+01	1.4849e+01	6e-06	2e-06	4e-15	1e-07
7:	1.4849e+01	1.4849e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8622e+00	6.8805e+00	8e+00	2e+00	4e-16	2e-01
2:	1.0423e+01	1.0430e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1252e+01	1.1254e+01	6e-01	2e-01	1e-15	1e-02
4:	1.1467e+01	1.1468e+01	2e-01	6e-02	2e-15	5e-03
5:	1.1525e+01	1.1525e+01	4e-02	1e-02	1e-14	9e-04
6:	1.1544e+01	1.1544e+01	1e-03	4e-04	7e-16	3e-05
7:	1.1544e+01	1.1544e+01	6e-04	2e-04	8e-16	2e-05
8:	1.1544e+01	1.1544e+01	9e-05	3e-05	3e-15	2e-06
9:	1.1544e+01	1.1544e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.1578e+00	8.1712e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1932e+01	1.1937e+01	3e+00	8e-01	2e-15	5e-02
3:	1.3396e+01	1.3397e+01	4e-01	1e-01	1e-15	8e-03
4:	1.3498e+01	1.3498e+01	9e-02	3e-02	9e-15	2e-03
5:	1.3542e+01	1.3542e+01	1e-02	3e-03	2e-15	2e-04
6:	1.3547e+01	1.3547e+01	9e-04	3e-04	8e-16	2e-05
7:	1.3548e+01	1.3548e+01	9e-06	3e-06	3e-15	2e-07
8:	1.3548e+01	1.3548e+01	9e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4945e+00	7.5056e+00	8e+00	2e+00	2e-16	2e-01
2:	1.0994e+01	1.0998e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2050e+01	1.2050e+01	3e-01	1e-01	1e-15	7e-03

4:	1.2121e+01	1.2121e+01	1e-01	4e-02	2e-14	3e-03
5:	1.2177e+01	1.2177e+01	2e-02	6e-03	2e-15	4e-04
6:	1.2183e+01	1.2183e+01	2e-04	6e-05	5e-15	5e-06
7:	1.2183e+01	1.2183e+01	2e-06	6e-07	4e-15	5e-08
8:	1.2183e+01	1.2183e+01	2e-08	6e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.5950e+00	8.6030e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3578e+01	1.3580e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4008e+01	1.4008e+01	3e-01	8e-02	2e-15	6e-03
4:	1.4117e+01	1.4117e+01	5e-02	1e-02	2e-14	1e-03
5:	1.4128e+01	1.4128e+01	1e-02	4e-03	6e-14	3e-04
6:	1.4132e+01	1.4132e+01	6e-03	2e-03	3e-14	1e-04
7:	1.4134e+01	1.4134e+01	7e-05	2e-05	2e-14	2e-06
8:	1.4134e+01	1.4134e+01	7e-07	2e-07	2e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1900e+00	9.2004e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3142e+01	1.3147e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3823e+01	1.3824e+01	4e-01	1e-01	1e-15	1e-02
4:	1.4023e+01	1.4023e+01	3e-02	8e-03	8e-16	6e-04
5:	1.4034e+01	1.4034e+01	3e-04	8e-05	8e-16	6e-06
6:	1.4034e+01	1.4034e+01	3e-06	8e-07	7e-16	6e-08
7:	1.4034e+01	1.4034e+01	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.8281e+00	9.8375e+00	7e+00	2e+00	3e-16	2e-01
2:	1.4158e+01	1.4161e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4929e+01	1.4930e+01	4e-01	1e-01	2e-15	9e-03
4:	1.5136e+01	1.5136e+01	3e-02	9e-03	2e-15	6e-04
5:	1.5149e+01	1.5149e+01	3e-04	9e-05	2e-15	7e-06
6:	1.5150e+01	1.5150e+01	3e-06	9e-07	2e-15	7e-08
7:	1.5150e+01	1.5150e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9907e+00	8.0077e+00	9e+00	3e+00	4e-16	2e-01
2:	1.1922e+01	1.1929e+01	3e+00	8e-01	9e-16	6e-02
3:	1.3342e+01	1.3343e+01	4e-01	1e-01	1e-15	8e-03
4:	1.3516e+01	1.3516e+01	1e-02	3e-03	1e-15	2e-04
5:	1.3521e+01	1.3521e+01	1e-04	3e-05	8e-16	2e-06
6:	1.3521e+01	1.3521e+01	1e-06	3e-07	1e-15	2e-08
7:	1.3521e+01	1.3521e+01	1e-08	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9599e+00	8.9645e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3007e+01	1.3008e+01	7e-01	2e-01	1e-15	2e-02
3:	1.3331e+01	1.3331e+01	1e-01	3e-02	9e-16	2e-03
4:	1.3365e+01	1.3365e+01	2e-02	7e-03	1e-14	5e-04
5:	1.3375e+01	1.3375e+01	2e-04	8e-05	1e-15	6e-06
6:	1.3375e+01	1.3375e+01	2e-06	8e-07	1e-15	6e-08
7:	1.3375e+01	1.3375e+01	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1283e+01	1.1287e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4282e+01	1.4283e+01	1e+00	5e-01	2e-15	3e-02
3:	1.4912e+01	1.4912e+01	4e-01	1e-01	3e-15	9e-03
4:	1.5081e+01	1.5081e+01	1e-01	4e-02	3e-15	3e-03
5:	1.5131e+01	1.5131e+01	3e-02	8e-03	4e-15	6e-04
6:	1.5143e+01	1.5143e+01	2e-03	7e-04	2e-15	6e-05
7:	1.5144e+01	1.5144e+01	2e-05	7e-06	3e-15	6e-07
8:	1.5144e+01	1.5144e+01	2e-07	7e-08	4e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0954e+01	1.0960e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4336e+01	1.4338e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4856e+01	1.4857e+01	7e-01	2e-01	3e-15	2e-02
4:	1.5185e+01	1.5185e+01	2e-01	5e-02	2e-15	4e-03
5:	1.5256e+01	1.5256e+01	1e-02	3e-03	1e-15	2e-04
6:	1.5260e+01	1.5260e+01	1e-04	3e-05	8e-16	2e-06
7:	1.5260e+01	1.5260e+01	1e-06	3e-07	7e-16	2e-08
8:	1.5260e+01	1.5260e+01	1e-08	3e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6329e+00	7.6434e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1059e+01	1.1062e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1831e+01	1.1831e+01	2e-01	6e-02	1e-15	4e-03
4:	1.1930e+01	1.1930e+01	8e-03	3e-03	1e-15	2e-04
5:	1.1934e+01	1.1934e+01	9e-05	3e-05	5e-15	2e-06
6:	1.1934e+01	1.1934e+01	9e-07	3e-07	1e-14	2e-08
7:	1.1934e+01	1.1934e+01	9e-09	3e-09	8e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5405e+00	9.5480e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2512e+01	1.2515e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3756e+01	1.3756e+01	4e-01	1e-01	1e-15	8e-03
4:	1.3903e+01	1.3903e+01	1e-01	3e-02	1e-14	2e-03
5:	1.3967e+01	1.3967e+01	4e-03	1e-03	1e-15	9e-05

6:	1.3969e+01	1.3969e+01	4e-05	1e-05	2e-15	9e-07
7:	1.3969e+01	1.3969e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5440e+00	5.5489e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0262e+00	9.0275e+00	1e+00	4e-01	1e-15	3e-02
3:	9.7051e+00	9.7053e+00	2e-01	5e-02	3e-15	4e-03
4:	9.7888e+00	9.7888e+00	2e-02	5e-03	4e-15	4e-04
5:	9.7979e+00	9.7979e+00	2e-04	5e-05	1e-15	4e-06
6:	9.7980e+00	9.7980e+00	2e-06	5e-07	1e-15	4e-08
7:	9.7980e+00	9.7980e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9553e+00	8.9651e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2985e+01	1.2988e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3703e+01	1.3704e+01	3e-01	1e-01	2e-15	8e-03
4:	1.3905e+01	1.3905e+01	5e-02	1e-02	1e-15	1e-03
5:	1.3919e+01	1.3919e+01	2e-02	6e-03	3e-15	4e-04
6:	1.3928e+01	1.3928e+01	2e-04	6e-05	7e-16	5e-06
7:	1.3928e+01	1.3928e+01	2e-06	6e-07	8e-16	5e-08
8:	1.3928e+01	1.3928e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1208e+01	1.1212e+01	7e+00	2e+00	2e-16	2e-01
2:	1.4965e+01	1.4966e+01	1e+00	3e-01	2e-15	3e-02
3:	1.5555e+01	1.5555e+01	2e-01	6e-02	2e-15	4e-03
4:	1.5617e+01	1.5617e+01	6e-02	2e-02	1e-14	1e-03
5:	1.5645e+01	1.5645e+01	7e-03	2e-03	2e-15	2e-04
6:	1.5648e+01	1.5648e+01	7e-05	2e-05	1e-15	2e-06
7:	1.5648e+01	1.5648e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1787e+00	8.1844e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2093e+01	1.2094e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2808e+01	1.2809e+01	2e-01	5e-02	8e-16	4e-03
4:	1.2885e+01	1.2885e+01	2e-03	6e-04	7e-16	4e-05
5:	1.2886e+01	1.2886e+01	2e-05	6e-06	9e-16	4e-07
6:	1.2886e+01	1.2886e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5132e+00	7.5259e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1069e+01	1.1073e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1781e+01	1.1782e+01	6e-01	2e-01	2e-15	1e-02

4:	1.1956e+01	1.1956e+01	2e-01	7e-02	2e-15	5e-03
5:	1.2071e+01	1.2072e+01	2e-02	7e-03	1e-15	5e-04
6:	1.2080e+01	1.2080e+01	2e-04	7e-05	8e-16	6e-06
7:	1.2080e+01	1.2080e+01	2e-06	7e-07	7e-16	6e-08
8:	1.2080e+01	1.2080e+01	2e-08	7e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7109e+00	9.7164e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2714e+01	1.2716e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3370e+01	1.3371e+01	3e-01	1e-01	2e-15	8e-03
4:	1.3534e+01	1.3534e+01	4e-02	1e-02	9e-16	9e-04
5:	1.3549e+01	1.3549e+01	5e-03	2e-03	9e-16	1e-04
6:	1.3551e+01	1.3551e+01	5e-04	2e-04	1e-15	1e-05
7:	1.3551e+01	1.3551e+01	5e-06	2e-06	4e-15	1e-07
8:	1.3551e+01	1.3551e+01	5e-08	2e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7677e+00	6.7865e+00	8e+00	3e+00	3e-16	2e-01
2:	9.5623e+00	9.5693e+00	2e+00	8e-01	1e-15	5e-02
3:	1.0435e+01	1.0437e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0631e+01	1.0631e+01	2e-01	6e-02	1e-15	4e-03
5:	1.0698e+01	1.0699e+01	2e-02	7e-03	1e-15	5e-04
6:	1.0707e+01	1.0707e+01	8e-04	2e-04	5e-15	2e-05
7:	1.0708e+01	1.0708e+01	8e-06	2e-06	4e-15	2e-07
8:	1.0708e+01	1.0708e+01	8e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0484e-01	8.0420e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9805e-01	9.9804e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	5.8712e-01	5.8378e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9584e-01	7e-01	2e-01	3e-15	2e-02
3:	9.9996e-01	9.9995e-01	7e-03	2e-03	4e-16	2e-04
4:	1.0000e+00	1.0000e+00	7e-05	2e-05	4e-16	2e-06
5:	1.0000e+00	1.0000e+00	7e-07	2e-07	1e-15	2e-08
6:	1.0000e+00	1.0000e+00	7e-09	2e-09	7e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8075e-01	7.7943e-01	5e+00	1e+00	2e-16	1e-01

2:	9.9782e-01	9.9779e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7731e-01	7.7590e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9779e-01	9.9776e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8187e-01	7.8058e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9783e-01	9.9781e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5681e-01	7.5492e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9759e-01	9.9755e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5567e-01	7.5376e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9758e-01	9.9754e-01	7e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3338e-01	7.3104e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9707e-01	9.9700e-01	9e-02	3e-02	3e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5743e-01	7.5556e-01	5e+00	2e+00	2e-16	1e-01



2:	9.9760e-01	9.9756e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9439e-01	7.9344e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9795e-01	9.9793e-01	6e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	2e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0068e-01	7.9992e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9801e-01	9.9800e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	2e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.8749e-01	6.8453e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9704e-01	9.9685e-01	1e-01	4e-02	1e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7484e-01	7.7337e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9776e-01	9.9773e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5911e-01	7.5727e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9761e-01	9.9757e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8673e-01	7.8557e-01	4e+00	1e+00	2e-16	1e-01

2:	9.9788e-01	9.9786e-01	6e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6916e-01	7.6755e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9771e-01	9.9768e-01	7e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6435e-01	7.6263e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9766e-01	9.9763e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0374e-01	7.0096e-01	5e+00	2e+00	1e-16	1e-01
2:	9.9700e-01	9.9686e-01	1e-01	3e-02	8e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2189e-01	7.1936e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9665e-01	9.9655e-01	1e-01	3e-02	4e-16	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1202e-01	8.1161e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9812e-01	9.9812e-01	5e-02	1e-02	9e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9579e-01	7.9489e-01	4e+00	1e+00	2e-16	1e-01

2:	9.9796e-01	9.9795e-01	6e-02	2e-02	8e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7215e-01	7.7062e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9774e-01	9.9771e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2310e-01	8.2306e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9823e-01	9.9823e-01	4e-02	1e-02	6e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0189e-01	6.9909e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9626e-01	9.9612e-01	1e-01	4e-02	4e-15	3e-03
3:	9.9996e-01	9.9996e-01	1e-03	4e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9923e-01	7.9843e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9800e-01	9.9798e-01	5e-02	2e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	2e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.7377e-01	6.7068e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9698e-01	9.9671e-01	2e-01	5e-02	7e-16	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	4e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	2e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7813e-01	7.7675e-01	5e+00	1e+00	4e-16	1e-01

2:	9.9779e-01	9.9777e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4346e-01	7.4130e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9738e-01	9.9732e-01	8e-02	2e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1322e-01	7.1057e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9662e-01	9.9651e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5486e-01	6.5164e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9652e-01	2e-01	6e-02	3e-15	6e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	2e-16	6e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	4e-16	6e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0170e-01	8.0097e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9802e-01	9.9801e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6819e-01	7.6656e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9770e-01	9.9767e-01	7e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5948e-01	6.5629e-01	5e+00	2e+00	3e-16	2e-01

2:	9.9695e-01	9.9656e-01	3e-01	8e-02	3e-15	7e-03
3:	9.9997e-01	9.9997e-01	3e-03	8e-04	3e-16	7e-05
4:	1.0000e+00	1.0000e+00	3e-05	8e-06	3e-16	7e-07
5:	1.0000e+00	1.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9504e-01	7.9411e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9796e-01	9.9794e-01	6e-02	2e-02	5e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4241e-01	7.4023e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9736e-01	9.9731e-01	8e-02	2e-02	1e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.5166e-01	6.4842e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9648e-01	2e-01	7e-02	3e-15	7e-03
3:	9.9997e-01	9.9996e-01	2e-03	7e-04	3e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	7e-06	4e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	7e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5235e-01	7.5038e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9755e-01	9.9750e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2320e-01	7.2069e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9685e-01	9.9676e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8974e-01	7.8867e-01	4e+00	1e+00	2e-16	1e-01

2:	9.9790e-01	9.9789e-01	6e-02	2e-02	3e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6621e-01	6.6307e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9695e-01	9.9663e-01	2e-01	5e-02	3e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	5e-04	3e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	5e-06	3e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	5e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9675e-01	7.9587e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9797e-01	9.9796e-01	6e-02	2e-02	3e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4656e-01	7.4446e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9748e-01	9.9743e-01	7e-02	2e-02	9e-16	2e-03
3:	9.9997e-01	9.9997e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6029e-01	6.5710e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9694e-01	9.9657e-01	2e-01	6e-02	3e-15	5e-03
3:	9.9997e-01	9.9997e-01	2e-03	6e-04	4e-16	5e-05
4:	1.0000e+00	1.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	1.0000e+00	1.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5775e-01	7.5589e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9760e-01	9.9756e-01	7e-02	2e-02	8e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9928e-01	7.9848e-01	4e+00	1e+00	3e-16	1e-01

2:	9.9800e-01	9.9798e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9170e-01	7.9067e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9792e-01	9.9791e-01	6e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2162e-01	7.1909e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9671e-01	9.9661e-01	9e-02	3e-02	3e-15	3e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2218e-01	8.2211e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9822e-01	9.9822e-01	4e-02	1e-02	8e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.6224e-01	6.5906e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9696e-01	9.9659e-01	2e-01	8e-02	5e-16	7e-03
3:	9.9997e-01	9.9997e-01	2e-03	8e-04	4e-16	7e-05
4:	1.0000e+00	1.0000e+00	2e-05	8e-06	3e-16	7e-07
5:	1.0000e+00	1.0000e+00	2e-07	8e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0119e-01	8.0044e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9802e-01	9.9800e-01	5e-02	2e-02	8e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4161e+00	1.4168e+00	6e+00	2e+00	2e-16	1e-01

2:	1.9730e+00	1.9731e+00	5e-01	2e-01	8e-16	1e-02
3:	1.9997e+00	1.9997e+00	5e-03	2e-03	6e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	8e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4322e+00	1.4298e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9924e+00	1.9923e+00	1e-01	4e-02	1e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	5e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4362e+00	1.4358e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9933e+00	1.9933e+00	2e-01	5e-02	3e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	2e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3585e+00	1.3560e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9895e+00	1.9892e+00	3e-01	9e-02	2e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	8e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	4e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5296e+00	1.5280e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9951e+00	1.9951e+00	8e-02	2e-02	1e-15	2e-03
3:	2.0000e+00	2.0000e+00	8e-04	2e-04	7e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4820e+00	1.4807e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9938e+00	1.9937e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5106e+00	1.5097e+00	5e+00	2e+00	2e-16	1e-01



2:	1.9921e+00	1.9921e+00	1e-01	4e-02	1e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5132e+00	1.5125e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9945e+00	1.9945e+00	1e-01	3e-02	4e-15	2e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4162e+00	1.4135e+00	5e+00	2e+00	4e-16	1e-01
2:	1.9942e+00	1.9940e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3513e+00	1.3490e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9906e+00	1.9904e+00	3e-01	9e-02	2e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	6e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4900e+00	1.4890e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9948e+00	1.9948e+00	1e-01	3e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	3e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5566e+00	1.5557e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9954e+00	1.9953e+00	7e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6259e+00	1.6259e+00	4e+00	1e+00	3e-16	1e-01

2:	1.9961e+00	1.9961e+00	5e-02	2e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	7e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	3e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1325e+00	1.1312e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9237e+00	1.9230e+00	2e+00	6e-01	6e-16	5e-02
3:	1.9981e+00	1.9980e+00	3e-02	9e-03	1e-15	7e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	4e-16	7e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	3e-16	7e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4303e+00	1.4287e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9925e+00	1.9924e+00	2e-01	5e-02	1e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5957e+00	1.5949e+00	4e+00	1e+00	4e-16	1e-01
2:	1.9958e+00	1.9958e+00	6e-02	2e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	1e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2682e+00	1.2653e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9887e+00	1.9881e+00	5e-01	2e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	2e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5872e+00	1.5873e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9956e+00	1.9956e+00	6e-02	2e-02	1e-15	2e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.4930e+00	1.4928e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9928e+00	1.9928e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3861e+00	1.3882e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9549e+00	1.9554e+00	1e+00	3e-01	2e-15	3e-02
3:	1.9995e+00	1.9995e+00	1e-02	4e-03	1e-15	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4028e+00	1.4014e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9898e+00	1.9897e+00	2e-01	8e-02	1e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	8e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	8e-06	3e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5827e+00	1.5821e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9957e+00	1.9957e+00	6e-02	2e-02	9e-16	2e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4110e+00	1.4092e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9842e+00	1.9841e+00	3e-01	1e-01	1e-15	8e-03
3:	1.9998e+00	1.9998e+00	3e-03	1e-03	6e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4004e+00	1.3990e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9936e+00	1.9935e+00	2e-01	6e-02	8e-16	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	2e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.3562e+00	1.3542e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9908e+00	1.9906e+00	3e-01	9e-02	4e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	6e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	3e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5642e+00	1.5638e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9954e+00	1.9954e+00	7e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	8e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3240e+00	1.3226e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9842e+00	1.9841e+00	5e-01	1e-01	2e-15	1e-02
3:	1.9998e+00	1.9998e+00	5e-03	1e-03	3e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	1e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3489e+00	1.3479e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9871e+00	1.9870e+00	4e-01	1e-01	3e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5825e+00	1.5824e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9953e+00	1.9953e+00	7e-02	2e-02	8e-16	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2990e+00	1.2965e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9887e+00	1.9884e+00	4e-01	1e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	4e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.3400e+00	1.3391e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9851e+00	1.9850e+00	4e-01	1e-01	7e-16	1e-02
3:	1.9999e+00	1.9998e+00	4e-03	1e-03	5e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4159e+00	1.4137e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9921e+00	1.9920e+00	2e-01	6e-02	5e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	6e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4652e+00	1.4647e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9907e+00	1.9906e+00	2e-01	6e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4265e+00	1.4240e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9931e+00	1.9930e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	6e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5171e+00	1.5171e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9936e+00	1.9936e+00	1e-01	3e-02	3e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2262e+00	1.2228e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9832e+00	1.9823e+00	6e-01	2e-01	3e-15	2e-02
3:	1.9998e+00	1.9998e+00	6e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	2.0000e+00	2.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.4880e+00	1.4876e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9926e+00	1.9926e+00	1e-01	4e-02	3e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4904e+00	1.4895e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9939e+00	1.9939e+00	1e-01	4e-02	3e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4908e+00	1.4904e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9936e+00	1.9936e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5427e+00	1.5415e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9953e+00	1.9953e+00	7e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5669e+00	1.5671e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9942e+00	1.9942e+00	8e-02	3e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	7e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4674e+00	1.4680e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9854e+00	1.9855e+00	3e-01	8e-02	2e-15	6e-03
3:	1.9999e+00	1.9999e+00	3e-03	8e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.4706e+00	1.4700e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9822e+00	1.9822e+00	3e-01	9e-02	2e-15	7e-03
3:	1.9998e+00	1.9998e+00	3e-03	9e-04	5e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	6e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	3e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3737e+00	1.3733e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9872e+00	1.9872e+00	3e-01	1e-01	2e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	4e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	4e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	3e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1641e+00	1.1622e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9388e+00	1.9380e+00	2e+00	5e-01	2e-15	4e-02
3:	1.9990e+00	1.9990e+00	2e-02	6e-03	1e-15	5e-04
4:	2.0000e+00	2.0000e+00	2e-04	6e-05	7e-16	5e-06
5:	2.0000e+00	2.0000e+00	2e-06	6e-07	6e-16	5e-08
6:	2.0000e+00	2.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.2498e+00	1.2467e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9879e+00	1.9873e+00	5e-01	2e-01	8e-16	1e-02
3:	1.9999e+00	1.9999e+00	5e-03	2e-03	4e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4516e+00	1.4496e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9926e+00	1.9926e+00	2e-01	5e-02	1e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2003e+00	1.1988e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9451e+00	1.9446e+00	1e+00	4e-01	1e-15	4e-02
3:	1.9994e+00	1.9993e+00	2e-02	5e-03	6e-16	4e-04
4:	2.0000e+00	2.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	2.0000e+00	2.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	2.0000e+00	2.0000e+00	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.0789e+00	1.0759e+00	5e+00	2e+00	2e-16	2e-01
2:	1.9259e+00	1.9241e+00	2e+00	5e-01	1e-15	5e-02
3:	1.9976e+00	1.9975e+00	3e-02	9e-03	1e-15	8e-04
4:	2.0000e+00	2.0000e+00	3e-04	9e-05	4e-16	8e-06
5:	2.0000e+00	2.0000e+00	3e-06	9e-07	4e-16	8e-08
6:	2.0000e+00	2.0000e+00	3e-08	9e-09	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1774e+00	1.1743e+00	6e+00	2e+00	1e-16	2e-01
2:	1.9635e+00	1.9624e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9993e+00	1.9993e+00	1e-02	4e-03	7e-16	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0997e+00	2.0991e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9815e+00	2.9815e+00	3e-01	9e-02	2e-15	7e-03
3:	2.9998e+00	2.9998e+00	3e-03	9e-04	9e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	4e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2463e+00	2.2463e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9874e+00	2.9874e+00	2e-01	5e-02	2e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9394e+00	1.9380e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9353e+00	2.9349e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9993e+00	2.9993e+00	1e-02	3e-03	7e-16	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0929e+00	2.0920e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9848e+00	2.9847e+00	3e-01	1e-01	4e-15	8e-03
3:	2.9998e+00	2.9998e+00	3e-03	1e-03	4e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	5e-16	8e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1835e+00	2.1840e+00	6e+00	2e+00	8e-16	2e-01
2:	2.9849e+00	2.9850e+00	2e-01	6e-02	1e-15	5e-03
3:	2.9998e+00	2.9998e+00	2e-03	6e-04	8e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	9e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3745e+00	2.3748e+00	5e+00	1e+00	4e-16	1e-01
2:	2.9919e+00	2.9919e+00	7e-02	2e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	9e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2669e+00	2.2658e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9916e+00	2.9916e+00	1e-01	3e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	4e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1324e+00	2.1338e+00	6e+00	2e+00	9e-16	2e-01
2:	2.9431e+00	2.9433e+00	7e-01	2e-01	2e-15	2e-02
3:	2.9994e+00	2.9994e+00	7e-03	2e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7241e+00	1.7227e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8487e+00	2.8479e+00	2e+00	6e-01	2e-15	5e-02
3:	2.9970e+00	2.9970e+00	3e-02	9e-03	1e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	4e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	3e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2546e+00	2.2559e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9827e+00	2.9828e+00	2e-01	6e-02	1e-15	4e-03
3:	2.9998e+00	2.9998e+00	2e-03	6e-04	4e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	6e-16	4e-07

5: 3.0000e+00 3.0000e+00 2e-07 6e-08 1e-15 4e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7814e+00	1.7792e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9425e+00	2.9418e+00	1e+00	3e-01	2e-15	3e-02
3:	2.9993e+00	2.9992e+00	1e-02	4e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1296e+00	2.1280e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9834e+00	2.9833e+00	3e-01	9e-02	2e-15	8e-03
3:	2.9998e+00	2.9998e+00	3e-03	9e-04	5e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	6e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2757e+00	2.2753e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9904e+00	2.9904e+00	1e-01	3e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1319e+00	2.1327e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9730e+00	2.9730e+00	3e-01	1e-01	2e-15	8e-03
3:	2.9997e+00	2.9997e+00	3e-03	1e-03	3e-16	9e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	6e-16	9e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2454e+00	2.2459e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9611e+00	2.9611e+00	4e-01	1e-01	5e-16	1e-02
3:	2.9996e+00	2.9996e+00	4e-03	1e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	8e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	3e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1275e+00	2.1258e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9876e+00	2.9875e+00	2e-01	7e-02	5e-15	6e-03
3:	2.9999e+00	2.9999e+00	2e-03	7e-04	4e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-16	6e-07

5: 3.0000e+00 3.0000e+00 2e-07 7e-08 6e-16 6e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1963e+00	2.1955e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9901e+00	2.9900e+00	2e-01	5e-02	7e-16	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1672e+00	2.1659e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9855e+00	2.9854e+00	2e-01	6e-02	2e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9752e+00	1.9737e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9620e+00	2.9618e+00	6e-01	2e-01	4e-15	1e-02
3:	2.9996e+00	2.9996e+00	6e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2296e+00	2.2290e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9903e+00	2.9902e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2877e+00	2.2870e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9919e+00	2.9919e+00	1e-01	3e-02	2e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2183e+00	2.2173e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9874e+00	2.9874e+00	2e-01	5e-02	4e-16	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	6e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	4e-16	4e-07

5: 3.0000e+00 3.0000e+00 2e-07 5e-08 4e-16 4e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9647e+00	1.9640e+00	7e+00	2e+00	3e-16	2e-01
2:	2.9713e+00	2.9711e+00	6e-01	2e-01	3e-15	1e-02
3:	2.9997e+00	2.9997e+00	6e-03	2e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0207e+00	2.0207e+00	7e+00	2e+00	4e-16	2e-01
2:	2.9556e+00	2.9556e+00	7e-01	2e-01	6e-16	2e-02
3:	2.9996e+00	2.9996e+00	7e-03	2e-03	5e-16	2e-04
4:	3.0000e+00	3.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	3.0000e+00	3.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3295e+00	2.3294e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9929e+00	2.9929e+00	7e-02	2e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0998e+00	2.0990e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9805e+00	2.9804e+00	3e-01	1e-01	3e-15	8e-03
3:	2.9998e+00	2.9998e+00	3e-03	1e-03	5e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3566e+00	2.3560e+00	5e+00	1e+00	2e-16	1e-01
2:	2.9935e+00	2.9935e+00	7e-02	2e-02	4e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	8e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1778e+00	2.1773e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9894e+00	2.9894e+00	2e-01	5e-02	3e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	6e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07

5: 3.0000e+00 3.0000e+00 2e-07 5e-08 3e-16 4e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2831e+00	2.2827e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9925e+00	2.9925e+00	1e-01	3e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1897e+00	2.1888e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9891e+00	2.9890e+00	1e-01	4e-02	4e-15	4e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	4e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	4e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0399e+00	2.0382e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9866e+00	2.9864e+00	4e-01	1e-01	2e-15	9e-03
3:	2.9999e+00	2.9999e+00	4e-03	1e-03	5e-16	9e-05
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	9e-07
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2452e+00	2.2453e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9700e+00	2.9700e+00	3e-01	1e-01	2e-15	8e-03
3:	2.9997e+00	2.9997e+00	3e-03	1e-03	7e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	4e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0356e+00	2.0374e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9013e+00	2.9017e+00	1e+00	4e-01	1e-15	3e-02
3:	2.9984e+00	2.9984e+00	2e-02	5e-03	5e-16	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	5e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9995e+00	1.9976e+00	6e+00	2e+00	4e-16	2e-01
2:	2.9765e+00	2.9761e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9998e+00	2.9998e+00	5e-03	2e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06

5: 3.0000e+00 3.0000e+00 5e-07 2e-07 4e-16 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1509e+00	2.1502e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9848e+00	2.9847e+00	2e-01	7e-02	2e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	7e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9702e+00	1.9702e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9273e+00	2.9273e+00	1e+00	3e-01	7e-16	2e-02
3:	2.9992e+00	2.9992e+00	1e-02	3e-03	1e-15	3e-04
4:	3.0000e+00	3.0000e+00	1e-04	3e-05	7e-16	3e-06
5:	3.0000e+00	3.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	3.0000e+00	3.0000e+00	1e-08	3e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4360e+00	2.4361e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9938e+00	2.9938e+00	5e-02	2e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	5e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3184e+00	2.3180e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9901e+00	2.9901e+00	1e-01	3e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9819e+00	1.9817e+00	7e+00	2e+00	2e-16	2e-01
2:	2.9699e+00	2.9699e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	2e-03	5e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1761e+00	2.1765e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9567e+00	2.9567e+00	5e-01	2e-01	2e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	2e-03	4e-16	1e-04

4:	3.0000e+00	3.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9422e+00	1.9425e+00	7e+00	2e+00	4e-16	2e-01
2:	2.9545e+00	2.9546e+00	8e-01	2e-01	6e-16	2e-02
3:	2.9995e+00	2.9995e+00	8e-03	2e-03	8e-16	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	2e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9453e+00	1.9449e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9626e+00	2.9626e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9996e+00	2.9996e+00	6e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3165e+00	2.3171e+00	5e+00	2e+00	6e-16	1e-01
2:	2.9863e+00	2.9863e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	9e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	2e-15	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1225e+00	2.1227e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9791e+00	2.9791e+00	3e-01	1e-01	4e-16	8e-03
3:	2.9998e+00	2.9998e+00	3e-03	1e-03	8e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	7e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0078e+00	2.0081e+00	7e+00	2e+00	3e-16	2e-01
2:	2.9748e+00	2.9749e+00	4e-01	1e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5970e+00	1.5938e+00	5e+00	2e+00	2e-16	2e-01
2:	2.7884e+00	2.7863e+00	2e+00	6e-01	2e-15	6e-02
3:	2.9719e+00	2.9711e+00	2e-01	6e-02	2e-15	5e-03

4:	2.9997e+00	2.9997e+00	2e-03	6e-04	5e-16	5e-05
5:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	3.0000e+00	3.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9146e+00	1.9124e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9761e+00	2.9757e+00	5e-01	2e-01	3e-15	1e-02
3:	2.9998e+00	2.9998e+00	5e-03	2e-03	8e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1671e+00	2.1673e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9794e+00	2.9794e+00	3e-01	8e-02	3e-15	6e-03
3:	2.9998e+00	2.9998e+00	3e-03	8e-04	4e-16	6e-05
4:	3.0000e+00	3.0000e+00	3e-05	8e-06	3e-16	6e-07
5:	3.0000e+00	3.0000e+00	3e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9498e+00	1.9510e+00	7e+00	2e+00	3e-16	2e-01
2:	2.9661e+00	2.9663e+00	6e-01	2e-01	2e-15	2e-02
3:	2.9997e+00	2.9997e+00	6e-03	2e-03	6e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2816e+00	2.2821e+00	5e+00	2e+00	4e-16	1e-01
2:	2.9738e+00	2.9739e+00	3e-01	8e-02	2e-15	7e-03
3:	2.9997e+00	2.9997e+00	3e-03	8e-04	8e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	8e-06	5e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	8e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0256e+00	3.0267e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9558e+00	3.9559e+00	3e-01	1e-01	1e-15	8e-03
3:	3.9996e+00	3.9996e+00	3e-03	1e-03	6e-16	8e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	8e-16	8e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5939e+00	2.5948e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9524e+00	3.9525e+00	6e-01	2e-01	2e-15	2e-02



3:	3.9995e+00	3.9995e+00	6e-03	2e-03	7e-16	2e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5214e+00	2.5205e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9167e+00	3.9165e+00	1e+00	3e-01	9e-16	3e-02
3:	3.9990e+00	3.9990e+00	1e-02	3e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8099e+00	2.8095e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9535e+00	3.9535e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9995e+00	3.9995e+00	5e-03	2e-03	6e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	6e-16	1e-08
6:	4.0000e+00	4.0000e+00	5e-09	2e-09	8e-16	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7604e+00	2.7591e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9547e+00	3.9545e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9995e+00	3.9995e+00	5e-03	2e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5646e+00	2.5630e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8170e+00	3.8164e+00	2e+00	5e-01	3e-15	4e-02
3:	3.9975e+00	3.9975e+00	2e-02	7e-03	8e-16	6e-04
4:	4.0000e+00	4.0000e+00	2e-04	7e-05	7e-16	6e-06
5:	4.0000e+00	4.0000e+00	2e-06	7e-07	7e-16	6e-08
6:	4.0000e+00	4.0000e+00	2e-08	7e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0636e+00	3.0646e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9864e+00	3.9864e+00	1e-01	3e-02	1e-15	2e-03
3:	3.9999e+00	3.9999e+00	1e-03	3e-04	1e-15	2e-05
4:	4.0000e+00	4.0000e+00	1e-05	3e-06	6e-16	2e-07
5:	4.0000e+00	4.0000e+00	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2331e+00	2.2344e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8010e+00	3.8016e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9862e+00	3.9862e+00	7e-02	2e-02	2e-15	2e-03
4:	3.9999e+00	3.9999e+00	7e-04	2e-04	5e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4653e+00	2.4643e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9155e+00	3.9152e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9990e+00	3.9990e+00	1e-02	4e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1270e+00	2.1242e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8960e+00	3.8948e+00	1e+00	5e-01	3e-15	4e-02
3:	3.9954e+00	3.9953e+00	3e-02	9e-03	2e-15	7e-04
4:	4.0000e+00	4.0000e+00	3e-04	9e-05	9e-16	7e-06
5:	4.0000e+00	4.0000e+00	3e-06	9e-07	8e-16	7e-08
6:	4.0000e+00	4.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6280e+00	2.6281e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9171e+00	3.9171e+00	8e-01	3e-01	1e-15	2e-02
3:	3.9991e+00	3.9991e+00	9e-03	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9023e+00	2.9034e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9599e+00	3.9600e+00	3e-01	1e-01	2e-15	8e-03
3:	3.9996e+00	3.9996e+00	3e-03	1e-03	4e-16	8e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	6e-16	8e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0187e+00	3.0192e+00	5e+00	2e+00	4e-16	1e-01
2:	3.9820e+00	3.9820e+00	1e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	1e-03	5e-04	5e-16	4e-05
4:	4.0000e+00	4.0000e+00	1e-05	5e-06	8e-16	4e-07
5:	4.0000e+00	4.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5237e+00	2.5225e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9136e+00	3.9133e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9990e+00	3.9990e+00	1e-02	3e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	1e-15	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3018e+00	2.3008e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8314e+00	3.8310e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9956e+00	3.9956e+00	3e-02	9e-03	3e-15	7e-04
4:	4.0000e+00	4.0000e+00	3e-04	9e-05	7e-16	7e-06
5:	4.0000e+00	4.0000e+00	3e-06	9e-07	7e-16	7e-08
6:	4.0000e+00	4.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0782e+00	3.0790e+00	5e+00	2e+00	4e-16	1e-01
2:	3.9889e+00	3.9889e+00	8e-02	3e-02	1e-15	2e-03
3:	3.9999e+00	3.9999e+00	8e-04	3e-04	7e-16	2e-05
4:	4.0000e+00	4.0000e+00	8e-06	3e-06	5e-16	2e-07
5:	4.0000e+00	4.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2035e+00	2.2076e+00	6e+00	2e+00	3e-16	1e-01
2:	3.8461e+00	3.8475e+00	2e+00	6e-01	6e-16	4e-02
3:	3.9846e+00	3.9848e+00	7e-02	2e-02	2e-15	2e-03
4:	3.9998e+00	3.9998e+00	7e-04	2e-04	3e-16	2e-05
5:	4.0000e+00	4.0000e+00	7e-06	2e-06	4e-16	2e-07
6:	4.0000e+00	4.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6913e+00	2.6910e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9596e+00	3.9595e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9996e+00	3.9996e+00	5e-03	2e-03	4e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	4e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3363e+00	2.3380e+00	7e+00	2e+00	3e-16	2e-01
2:	3.8073e+00	3.8080e+00	2e+00	6e-01	1e-15	4e-02

3:	3.9926e+00	3.9926e+00	4e-02	1e-02	1e-15	1e-03
4:	3.9999e+00	3.9999e+00	4e-04	1e-04	4e-16	1e-05
5:	4.0000e+00	4.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	4.0000e+00	4.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9409e+00	2.9416e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9651e+00	3.9652e+00	3e-01	9e-02	3e-15	7e-03
3:	3.9997e+00	3.9997e+00	3e-03	9e-04	7e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8290e+00	2.8298e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9627e+00	3.9628e+00	4e-01	1e-01	2e-15	9e-03
3:	3.9996e+00	3.9996e+00	4e-03	1e-03	4e-16	9e-05
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	4e-16	9e-07
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9537e+00	2.9544e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9662e+00	3.9662e+00	3e-01	9e-02	2e-15	7e-03
3:	3.9997e+00	3.9997e+00	3e-03	9e-04	8e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9777e+00	2.9787e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9803e+00	3.9803e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	5e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9810e+00	2.9813e+00	6e+00	2e+00	4e-16	1e-01
2:	3.9759e+00	3.9759e+00	2e-01	6e-02	2e-15	5e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	7e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	8e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8369e+00	2.8379e+00	6e+00	2e+00	3e-16	2e-01

2:	3.9177e+00	3.9178e+00	7e-01	2e-01	6e-16	2e-02
3:	3.9992e+00	3.9992e+00	7e-03	2e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9953e+00	1.9926e+00	6e+00	2e+00	2e-16	2e-01
2:	3.6904e+00	3.6889e+00	2e+00	6e-01	2e-15	6e-02
3:	3.9441e+00	3.9433e+00	2e-01	8e-02	3e-15	6e-03
4:	3.9994e+00	3.9994e+00	3e-03	8e-04	4e-16	6e-05
5:	4.0000e+00	4.0000e+00	3e-05	8e-06	4e-16	6e-07
6:	4.0000e+00	4.0000e+00	3e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5255e+00	2.5259e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9501e+00	3.9502e+00	8e-01	2e-01	1e-15	2e-02
3:	3.9995e+00	3.9995e+00	8e-03	2e-03	9e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9669e+00	2.9686e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9331e+00	3.9333e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9993e+00	3.9993e+00	5e-03	2e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.7140e+00	1.7109e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7148e+00	3.7132e+00	1e+00	4e-01	2e-15	4e-02
3:	3.8211e+00	3.8188e+00	6e-01	2e-01	4e-15	1e-02
4:	3.9974e+00	3.9974e+00	1e-02	3e-03	4e-16	2e-04
5:	4.0000e+00	4.0000e+00	1e-04	3e-05	5e-16	2e-06
6:	4.0000e+00	4.0000e+00	1e-06	3e-07	6e-16	2e-08
7:	4.0000e+00	4.0000e+00	1e-08	3e-09	5e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4219e+00	2.4206e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8927e+00	3.8923e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9979e+00	3.9978e+00	2e-02	6e-03	1e-15	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	6e-05	8e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	6e-07	6e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5263e+00	2.5274e+00	6e+00	2e+00	3e-16	1e-01
2:	3.7735e+00	3.7739e+00	2e+00	5e-01	1e-15	4e-02
3:	3.9679e+00	3.9680e+00	2e-01	6e-02	2e-15	5e-03
4:	3.9997e+00	3.9997e+00	2e-03	6e-04	4e-16	5e-05
5:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	5e-07
6:	4.0000e+00	4.0000e+00	2e-07	6e-08	4e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7289e+00	2.7314e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9432e+00	3.9435e+00	6e-01	2e-01	1e-15	1e-02
3:	3.9994e+00	3.9994e+00	6e-03	2e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6241e+00	2.6260e+00	7e+00	2e+00	2e-16	2e-01
2:	3.8660e+00	3.8665e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9985e+00	3.9985e+00	1e-02	4e-03	8e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	4e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	4e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7457e+00	2.7483e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9646e+00	3.9648e+00	4e-01	1e-01	2e-15	1e-02
3:	3.9996e+00	3.9996e+00	4e-03	1e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.9902e+00	1.9892e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9078e+00	3.9074e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9825e+00	3.9825e+00	8e-02	2e-02	2e-15	2e-03
4:	3.9998e+00	3.9998e+00	8e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	8e-06	2e-06	3e-16	2e-07
6:	4.0000e+00	4.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5243e+00	2.5239e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9101e+00	3.9100e+00	1e+00	3e-01	1e-15	3e-02
3:	3.9990e+00	3.9990e+00	1e-02	4e-03	8e-16	3e-04

4:	4.0000e+00	4.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	5e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2208e+00	2.2174e+00	5e+00	2e+00	2e-16	2e-01
2:	3.9163e+00	3.9146e+00	1e+00	4e-01	3e-15	4e-02
3:	3.9953e+00	3.9952e+00	3e-02	8e-03	2e-15	8e-04
4:	4.0000e+00	4.0000e+00	3e-04	8e-05	7e-16	8e-06
5:	4.0000e+00	4.0000e+00	3e-06	8e-07	1e-15	8e-08
6:	4.0000e+00	4.0000e+00	3e-08	8e-09	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6375e+00	2.6364e+00	6e+00	2e+00	4e-16	2e-01
2:	3.9741e+00	3.9740e+00	4e-01	1e-01	3e-15	1e-02
3:	3.9997e+00	3.9997e+00	4e-03	1e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9955e+00	2.9960e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9791e+00	3.9791e+00	2e-01	6e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	4e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9376e+00	2.9363e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9888e+00	3.9887e+00	1e-01	4e-02	1e-15	3e-03
3:	3.9999e+00	3.9999e+00	1e-03	4e-04	3e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	2.2704e+00	2.2673e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8956e+00	3.8944e+00	1e+00	4e-01	2e-15	4e-02
3:	3.9941e+00	3.9940e+00	3e-02	1e-02	2e-15	8e-04
4:	3.9999e+00	3.9999e+00	3e-04	1e-04	6e-16	9e-06
5:	4.0000e+00	4.0000e+00	3e-06	1e-06	6e-16	9e-08
6:	4.0000e+00	4.0000e+00	3e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9288e+00	2.9267e+00	5e+00	2e+00	3e-16	1e-01

2:	3.9854e+00	3.9853e+00	2e-01	5e-02	4e-15	4e-03
3:	3.9999e+00	3.9999e+00	2e-03	5e-04	7e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	1e-15	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9433e+00	2.9447e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9806e+00	3.9807e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	6e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9049e+00	2.9053e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9667e+00	3.9667e+00	3e-01	1e-01	2e-15	8e-03
3:	3.9997e+00	3.9997e+00	3e-03	1e-03	6e-16	8e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2105e+00	2.2122e+00	7e+00	2e+00	3e-16	2e-01
2:	3.6252e+00	3.6261e+00	3e+00	9e-01	9e-16	7e-02
3:	3.9616e+00	3.9619e+00	2e-01	7e-02	1e-15	6e-03
4:	3.9996e+00	3.9996e+00	2e-03	8e-04	3e-16	6e-05
5:	4.0000e+00	4.0000e+00	2e-05	8e-06	3e-16	6e-07
6:	4.0000e+00	4.0000e+00	2e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8427e+00	2.8436e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9600e+00	3.9601e+00	4e-01	1e-01	2e-15	9e-03
3:	3.9996e+00	3.9996e+00	4e-03	1e-03	4e-16	9e-05
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	5e-16	9e-07
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9895e+00	2.9912e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9801e+00	3.9802e+00	2e-01	5e-02	3e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	7e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	8e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	2.2074e+00	2.2056e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7743e+00	3.7733e+00	2e+00	6e-01	2e-15	5e-02
3:	3.9888e+00	3.9887e+00	6e-02	2e-02	1e-15	2e-03
4:	3.9999e+00	3.9999e+00	6e-04	2e-04	4e-16	2e-05
5:	4.0000e+00	4.0000e+00	6e-06	2e-06	5e-16	2e-07
6:	4.0000e+00	4.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5593e+00	2.5581e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9016e+00	3.9012e+00	1e+00	3e-01	9e-16	3e-02
3:	3.9989e+00	3.9989e+00	1e-02	4e-03	6e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	6e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9655e+00	2.9657e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9740e+00	3.9740e+00	2e-01	7e-02	1e-15	5e-03
3:	3.9997e+00	3.9997e+00	2e-03	7e-04	6e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	7e-06	4e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0359e+00	3.0394e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8089e+00	4.8099e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9958e+00	4.9959e+00	2e-02	8e-03	1e-15	6e-04
4:	5.0000e+00	5.0000e+00	2e-04	8e-05	6e-16	6e-06
5:	5.0000e+00	5.0000e+00	2e-06	8e-07	7e-16	6e-08
6:	5.0000e+00	5.0000e+00	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8308e+00	3.8303e+00	5e+00	2e+00	4e-16	1e-01
2:	4.9843e+00	4.9843e+00	1e-01	3e-02	9e-16	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	3e-04	7e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	3e-06	6e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8221e+00	2.8195e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6777e+00	4.6766e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9839e+00	4.9837e+00	8e-02	2e-02	3e-15	2e-03
4:	4.9998e+00	4.9998e+00	8e-04	2e-04	4e-16	2e-05
5:	5.0000e+00	5.0000e+00	8e-06	2e-06	5e-16	2e-07

6: 5.0000e+00 5.0000e+00 8e-08 2e-08 4e-16 2e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.7630e+00	2.7686e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6508e+00	4.6530e+00	2e+00	7e-01	2e-15	5e-02
3:	4.9679e+00	4.9682e+00	1e-01	4e-02	3e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1218e+00	3.1258e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8102e+00	4.8112e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9968e+00	4.9968e+00	2e-02	6e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	7e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	1e-15	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4342e+00	3.4330e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9773e+00	4.9772e+00	3e-01	1e-01	2e-15	8e-03
3:	4.9998e+00	4.9998e+00	3e-03	1e-03	7e-16	8e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2531e+00	3.2565e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8161e+00	4.8170e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9971e+00	4.9971e+00	2e-02	6e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	8e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1901e+00	3.1887e+00	6e+00	2e+00	2e-16	2e-01
2:	4.8296e+00	4.8290e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9981e+00	4.9981e+00	1e-02	5e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	1e-04	5e-05	6e-16	4e-06
5:	5.0000e+00	5.0000e+00	1e-06	5e-07	8e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5123e+00	3.5140e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9401e+00	4.9402e+00	4e-01	1e-01	2e-15	1e-02

3:	4.9994e+00	4.9994e+00	4e-03	1e-03	6e-16	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6302e+00	3.6322e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9549e+00	4.9550e+00	3e-01	1e-01	2e-15	7e-03
3:	4.9995e+00	4.9995e+00	3e-03	1e-03	7e-16	7e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	9e-16	7e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0570e+00	3.0584e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7155e+00	4.7159e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9948e+00	4.9949e+00	3e-02	1e-02	1e-15	7e-04
4:	4.9999e+00	4.9999e+00	3e-04	1e-04	4e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	1e-06	4e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	1e-08	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5871e+00	3.5900e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9418e+00	4.9421e+00	4e-01	1e-01	3e-15	1e-02
3:	4.9994e+00	4.9994e+00	4e-03	1e-03	8e-16	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7603e+00	3.7608e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9712e+00	4.9712e+00	2e-01	5e-02	3e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	5e-04	8e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	5e-06	1e-15	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0406e+00	3.0426e+00	6e+00	2e+00	3e-16	2e-01
2:	4.6406e+00	4.6415e+00	2e+00	7e-01	6e-16	5e-02
3:	4.9712e+00	4.9713e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.7800e+00	3.7799e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9716e+00	4.9716e+00	2e-01	5e-02	2e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	5e-04	8e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4582e+00	3.4607e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9130e+00	4.9134e+00	7e-01	2e-01	1e-15	2e-02
3:	4.9991e+00	4.9991e+00	7e-03	2e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6421e+00	3.6425e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9394e+00	4.9395e+00	4e-01	1e-01	5e-16	1e-02
3:	4.9994e+00	4.9994e+00	4e-03	1e-03	7e-16	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4963e+00	3.4998e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9005e+00	4.9010e+00	7e-01	2e-01	3e-15	2e-02
3:	4.9990e+00	4.9990e+00	7e-03	2e-03	7e-16	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7449e+00	3.7456e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9659e+00	4.9660e+00	2e-01	7e-02	2e-15	6e-03
3:	4.9997e+00	4.9997e+00	2e-03	7e-04	4e-16	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0390e+00	3.0396e+00	6e+00	2e+00	2e-16	2e-01
2:	4.7497e+00	4.7499e+00	2e+00	6e-01	2e-15	4e-02
3:	4.9949e+00	4.9949e+00	3e-02	9e-03	1e-15	7e-04
4:	4.9999e+00	4.9999e+00	3e-04	9e-05	5e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	9e-07	6e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1700e+00	3.1710e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8972e+00	4.8974e+00	1e+00	3e-01	1e-15	2e-02
3:	4.9989e+00	4.9989e+00	1e-02	3e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2142e+00	3.2153e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8692e+00	4.8694e+00	1e+00	3e-01	8e-16	3e-02
3:	4.9986e+00	4.9986e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8173e+00	3.8182e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9762e+00	4.9763e+00	1e-01	4e-02	2e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	1e-15	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6140e+00	2.6149e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5418e+00	4.5423e+00	2e+00	7e-01	1e-15	6e-02
3:	4.9417e+00	4.9419e+00	3e-01	1e-01	2e-15	8e-03
4:	4.9994e+00	4.9994e+00	4e-03	1e-03	6e-16	9e-05
5:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	9e-07
6:	5.0000e+00	5.0000e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8440e+00	2.8446e+00	7e+00	2e+00	3e-16	2e-01
2:	4.6592e+00	4.6594e+00	2e+00	6e-01	7e-16	5e-02
3:	4.9091e+00	4.9092e+00	4e-01	1e-01	2e-15	1e-02
4:	4.9990e+00	4.9990e+00	5e-03	2e-03	3e-16	1e-04
5:	5.0000e+00	5.0000e+00	5e-05	2e-05	3e-16	1e-06
6:	5.0000e+00	5.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9575e+00	2.9586e+00	7e+00	2e+00	2e-16	2e-01
2:	4.5790e+00	4.5795e+00	2e+00	8e-01	2e-15	6e-02
3:	4.9664e+00	4.9666e+00	2e-01	6e-02	2e-15	4e-03
4:	4.9997e+00	4.9997e+00	2e-03	6e-04	4e-16	4e-05
5:	5.0000e+00	5.0000e+00	2e-05	6e-06	3e-16	4e-07

6: 5.0000e+00 5.0000e+00 2e-07 6e-08 4e-16 4e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6500e+00	3.6509e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9322e+00	4.9323e+00	4e-01	1e-01	5e-15	1e-02
3:	4.9993e+00	4.9993e+00	5e-03	1e-03	6e-16	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	1e-05	4e-16	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4445e+00	3.4449e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9451e+00	4.9452e+00	5e-01	2e-01	2e-15	1e-02
3:	4.9994e+00	4.9994e+00	5e-03	2e-03	7e-16	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	2e-05	7e-16	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6713e+00	3.6728e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9490e+00	4.9491e+00	3e-01	1e-01	2e-15	8e-03
3:	4.9995e+00	4.9995e+00	3e-03	1e-03	5e-16	8e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8699e+00	3.8711e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9777e+00	4.9777e+00	1e-01	4e-02	1e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	9e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	1e-15	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6483e+00	3.6507e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9668e+00	4.9669e+00	2e-01	7e-02	2e-15	5e-03
3:	4.9997e+00	4.9997e+00	2e-03	7e-04	6e-16	5e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	5e-16	5e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6624e+00	3.6626e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9658e+00	4.9659e+00	3e-01	8e-02	4e-15	6e-03
3:	4.9997e+00	4.9997e+00	3e-03	8e-04	6e-16	6e-05
4:	5.0000e+00	5.0000e+00	3e-05	8e-06	7e-16	6e-07

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5: 5.0000e+00 5.0000e+00 3e-07 8e-08 7e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.0808e+00 3.0825e+00 7e+00 2e+00 2e-16 2e-01
2: 4.8342e+00 4.8347e+00 1e+00 4e-01 2e-15 3e-02
3: 4.9977e+00 4.9977e+00 2e-02 5e-03 1e-15 4e-04
4: 5.0000e+00 5.0000e+00 2e-04 5e-05 1e-15 4e-06
5: 5.0000e+00 5.0000e+00 2e-06 5e-07 8e-16 4e-08
6: 5.0000e+00 5.0000e+00 2e-08 5e-09 5e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2691e+00 3.2703e+00 7e+00 2e+00 3e-16 2e-01
2: 4.7955e+00 4.7958e+00 1e+00 4e-01 2e-15 3e-02
3: 4.9975e+00 4.9975e+00 1e-02 5e-03 2e-15 4e-04
4: 5.0000e+00 5.0000e+00 1e-04 5e-05 1e-15 4e-06
5: 5.0000e+00 5.0000e+00 1e-06 5e-07 6e-16 4e-08
6: 5.0000e+00 5.0000e+00 1e-08 5e-09 1e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.6244e+00 2.6227e+00 6e+00 2e+00 3e-16 2e-01
2: 4.4930e+00 4.4920e+00 2e+00 8e-01 2e-15 6e-02
3: 4.9535e+00 4.9531e+00 2e-01 8e-02 1e-15 6e-03
4: 4.9995e+00 4.9995e+00 3e-03 8e-04 4e-16 7e-05
5: 5.0000e+00 5.0000e+00 3e-05 8e-06 5e-16 7e-07
6: 5.0000e+00 5.0000e+00 3e-07 8e-08 4e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8378e+00 2.8382e+00 6e+00 2e+00 2e-16 2e-01
2: 4.6092e+00 4.6094e+00 2e+00 7e-01 8e-16 5e-02
3: 4.8808e+00 4.8810e+00 5e-01 1e-01 1e-15 1e-02
4: 4.9987e+00 4.9987e+00 6e-03 2e-03 4e-16 2e-04
5: 5.0000e+00 5.0000e+00 6e-05 2e-05 4e-16 2e-06
6: 5.0000e+00 5.0000e+00 6e-07 2e-07 5e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8856e+00 2.8864e+00 7e+00 2e+00 3e-16 2e-01
2: 4.7477e+00 4.7480e+00 2e+00 6e-01 1e-15 5e-02
3: 4.9924e+00 4.9924e+00 4e-02 1e-02 1e-15 1e-03
4: 4.9999e+00 4.9999e+00 4e-04 1e-04 7e-16 1e-05
5: 5.0000e+00 5.0000e+00 4e-06 1e-06 5e-16 1e-07
6: 5.0000e+00 5.0000e+00 4e-08 1e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4670e+00	3.4706e+00	6e+00	2e+00	3e-16	1e-01
2:	4.8366e+00	4.8373e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9980e+00	4.9980e+00	1e-02	4e-03	9e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1032e+00	3.1045e+00	7e+00	2e+00	2e-16	2e-01
2:	4.7906e+00	4.7910e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9973e+00	4.9974e+00	2e-02	6e-03	1e-15	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	9e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	8e-16	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2382e+00	3.2394e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8742e+00	4.8745e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9986e+00	4.9986e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4950e+00	2.4941e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8281e+00	4.8278e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9290e+00	4.9289e+00	2e-01	7e-02	3e-15	5e-03
4:	4.9993e+00	4.9993e+00	2e-03	7e-04	6e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	4e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4178e+00	3.4180e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9291e+00	4.9291e+00	6e-01	2e-01	3e-15	1e-02
3:	4.9993e+00	4.9993e+00	6e-03	2e-03	7e-16	2e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5117e+00	3.5130e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9219e+00	4.9221e+00	6e-01	2e-01	2e-15	1e-02
3:	4.9992e+00	4.9992e+00	6e-03	2e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	8e-16	2e-08



Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6446e+00	3.6477e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9523e+00	4.9525e+00	4e-01	1e-01	4e-15	8e-03
3:	4.9995e+00	4.9995e+00	4e-03	1e-03	8e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	1e-15	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5950e+00	3.5965e+00	6e+00	2e+00	5e-16	2e-01
2:	4.9321e+00	4.9322e+00	4e-01	1e-01	2e-15	1e-02
3:	4.9993e+00	4.9993e+00	4e-03	1e-03	1e-15	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	8e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	2.5567e+00	2.5616e+00	7e+00	2e+00	2e-16	2e-01
2:	4.6570e+00	4.6591e+00	2e+00	7e-01	1e-15	5e-02
3:	4.9414e+00	4.9418e+00	2e-01	7e-02	2e-15	5e-03
4:	4.9994e+00	4.9994e+00	2e-03	7e-04	5e-16	5e-05
5:	5.0000e+00	5.0000e+00	2e-05	7e-06	4e-16	5e-07
6:	5.0000e+00	5.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3607e+00	3.3622e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8173e+00	4.8178e+00	1e+00	4e-01	1e-15	3e-02
3:	4.9979e+00	4.9979e+00	1e-02	5e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	5e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	5e-07	6e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	5e-09	5e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7384e+00	2.7416e+00	6e+00	2e+00	3e-16	1e-01
2:	4.8173e+00	4.8185e+00	2e+00	5e-01	1e-15	4e-02
3:	4.9687e+00	4.9688e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3045e+00	3.3075e+00	7e+00	2e+00	2e-16	2e-01
2:	4.8850e+00	4.8856e+00	1e+00	3e-01	3e-15	2e-02

3:	4.9985e+00	4.9985e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3069e+00	3.3064e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7156e+00	4.7154e+00	2e+00	6e-01	8e-16	5e-02
3:	4.9959e+00	4.9959e+00	3e-02	9e-03	1e-15	7e-04
4:	5.0000e+00	5.0000e+00	3e-04	9e-05	4e-16	7e-06
5:	5.0000e+00	5.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	5.0000e+00	5.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1270e+00	4.1292e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8990e+00	5.8993e+00	6e-01	2e-01	3e-15	1e-02
3:	5.9990e+00	5.9990e+00	6e-03	2e-03	8e-16	2e-04
4:	6.0000e+00	6.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	6.0000e+00	6.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0654e+00	4.0682e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8238e+00	5.8243e+00	1e+00	3e-01	3e-15	2e-02
3:	5.9975e+00	5.9975e+00	1e-02	4e-03	1e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	9e-16	3e-08
6:	6.0000e+00	6.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2451e+00	4.2467e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9535e+00	5.9536e+00	3e-01	9e-02	1e-15	7e-03
3:	5.9995e+00	5.9995e+00	3e-03	9e-04	1e-15	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	9e-06	1e-15	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8537e+00	3.8544e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8002e+00	5.8004e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9976e+00	5.9976e+00	1e-02	4e-03	1e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.4468e+00	4.4465e+00	6e+00	2e+00	4e-16	1e-01
2:	5.9788e+00	5.9787e+00	1e-01	5e-02	1e-15	4e-03
3:	5.9998e+00	5.9998e+00	1e-03	5e-04	6e-16	4e-05
4:	6.0000e+00	6.0000e+00	1e-05	5e-06	7e-16	4e-07
5:	6.0000e+00	6.0000e+00	1e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9360e+00	3.9393e+00	6e+00	2e+00	6e-16	1e-01
2:	5.6709e+00	5.6720e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9536e+00	5.9540e+00	2e-01	6e-02	2e-15	5e-03
4:	5.9995e+00	5.9995e+00	2e-03	6e-04	5e-16	5e-05
5:	6.0000e+00	6.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	6.0000e+00	6.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7784e+00	3.7797e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7876e+00	5.7880e+00	1e+00	5e-01	1e-15	4e-02
3:	5.9942e+00	5.9942e+00	3e-02	9e-03	2e-15	7e-04
4:	5.9999e+00	5.9999e+00	3e-04	9e-05	1e-15	7e-06
5:	6.0000e+00	6.0000e+00	3e-06	9e-07	6e-16	7e-08
6:	6.0000e+00	6.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0852e+00	4.0868e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9283e+00	5.9285e+00	5e-01	2e-01	2e-15	1e-02
3:	5.9993e+00	5.9993e+00	5e-03	2e-03	8e-16	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	2e-05	7e-16	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0516e+00	4.0543e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8143e+00	5.8148e+00	1e+00	3e-01	2e-15	2e-02
3:	5.9979e+00	5.9979e+00	1e-02	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0131e+00	4.0138e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7221e+00	5.7223e+00	1e+00	5e-01	2e-15	4e-02
3:	5.9956e+00	5.9957e+00	2e-02	7e-03	2e-15	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	7e-05	1e-15	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	7e-07	7e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8471e+00	3.8480e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8299e+00	5.8301e+00	1e+00	4e-01	1e-15	3e-02
3:	5.9975e+00	5.9975e+00	2e-02	5e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	4e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5251e+00	3.5256e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7088e+00	5.7090e+00	2e+00	6e-01	2e-15	4e-02
3:	5.9910e+00	5.9910e+00	4e-02	1e-02	1e-15	9e-04
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	4e-16	9e-06
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	4e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0640e+00	4.0661e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7759e+00	5.7765e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9969e+00	5.9969e+00	2e-02	5e-03	2e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	8e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6254e+00	3.6248e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8032e+00	5.8030e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9971e+00	5.9971e+00	2e-02	5e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	5e-16	4e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2680e+00	4.2701e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9508e+00	5.9509e+00	3e-01	8e-02	3e-15	6e-03
3:	5.9995e+00	5.9995e+00	3e-03	8e-04	8e-16	6e-05
4:	6.0000e+00	6.0000e+00	3e-05	8e-06	8e-16	6e-07
5:	6.0000e+00	6.0000e+00	3e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2552e+00	4.2578e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8772e+00	5.8776e+00	7e-01	2e-01	2e-15	2e-02
3:	5.9987e+00	5.9987e+00	7e-03	2e-03	7e-16	2e-04

4:	6.0000e+00	6.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.1524e+00	3.1610e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7737e+00	5.7760e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9059e+00	5.9068e+00	3e-01	8e-02	3e-15	6e-03
4:	5.9990e+00	5.9990e+00	3e-03	9e-04	4e-16	7e-05
5:	6.0000e+00	6.0000e+00	3e-05	9e-06	5e-16	7e-07
6:	6.0000e+00	6.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7121e+00	3.7155e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7300e+00	5.7311e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9907e+00	5.9908e+00	4e-02	1e-02	9e-16	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3607e+00	3.3597e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6194e+00	5.6189e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9758e+00	5.9757e+00	9e-02	3e-02	3e-15	2e-03
4:	5.9998e+00	5.9998e+00	9e-04	3e-04	3e-16	2e-05
5:	6.0000e+00	6.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	6.0000e+00	6.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9015e+00	3.9053e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6967e+00	5.6979e+00	2e+00	5e-01	1e-15	4e-02
3:	5.9943e+00	5.9943e+00	3e-02	8e-03	9e-16	6e-04
4:	5.9999e+00	5.9999e+00	3e-04	8e-05	6e-16	6e-06
5:	6.0000e+00	6.0000e+00	3e-06	8e-07	5e-16	6e-08
6:	6.0000e+00	6.0000e+00	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6962e+00	2.7005e+00	6e+00	2e+00	3e-16	1e-01
2:	5.1212e+00	5.1223e+00	1e+00	3e-01	6e-16	2e-02
3:	5.5791e+00	5.5794e+00	2e-01	8e-02	3e-15	6e-03
4:	5.6424e+00	5.6425e+00	7e-02	2e-02	3e-15	2e-03
5:	5.6713e+00	5.6713e+00	2e-02	5e-03	2e-15	4e-04
6:	5.6774e+00	5.6774e+00	2e-03	5e-04	9e-16	4e-05
7:	5.6781e+00	5.6781e+00	2e-04	6e-05	9e-16	5e-06

8:	5.6781e+00	5.6781e+00	2e-06	6e-07	7e-16	5e-08
9:	5.6781e+00	5.6781e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4784e+00	4.4797e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9708e+00	5.9708e+00	2e-01	5e-02	3e-15	4e-03
3:	5.9997e+00	5.9997e+00	2e-03	5e-04	5e-16	4e-05
4:	6.0000e+00	6.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	6.0000e+00	6.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0781e+00	4.0790e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8007e+00	5.8009e+00	1e+00	4e-01	3e-15	3e-02
3:	5.9977e+00	5.9977e+00	1e-02	4e-03	1e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	6e-16	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7030e+00	3.7087e+00	7e+00	2e+00	3e-16	2e-01
2:	5.5359e+00	5.5382e+00	2e+00	7e-01	2e-15	5e-02
3:	5.9751e+00	5.9755e+00	1e-01	4e-02	1e-15	3e-03
4:	5.9997e+00	5.9998e+00	1e-03	4e-04	6e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0207e+00	4.0244e+00	7e+00	2e+00	2e-16	2e-01
2:	5.7797e+00	5.7806e+00	1e+00	4e-01	7e-16	3e-02
3:	5.9974e+00	5.9974e+00	1e-02	4e-03	9e-16	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4810e+00	3.4797e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6030e+00	5.6024e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9857e+00	5.9856e+00	6e-02	2e-02	2e-15	2e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	6e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5486e+00	3.5480e+00	6e+00	2e+00	2e-16	2e-01

2:	5.6909e+00	5.6907e+00	2e+00	6e-01	2e-15	4e-02
3:	5.9861e+00	5.9861e+00	5e-02	2e-02	1e-15	1e-03
4:	5.9999e+00	5.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	6.0000e+00	6.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4319e+00	4.4344e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9155e+00	5.9157e+00	4e-01	1e-01	2e-15	1e-02
3:	5.9991e+00	5.9991e+00	4e-03	1e-03	1e-15	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0891e+00	4.0928e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8678e+00	5.8684e+00	7e-01	2e-01	2e-15	2e-02
3:	5.9986e+00	5.9986e+00	8e-03	2e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	2e-05	8e-16	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5732e+00	4.5741e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9679e+00	5.9680e+00	2e-01	5e-02	2e-15	4e-03
3:	5.9997e+00	5.9997e+00	2e-03	5e-04	8e-16	4e-05
4:	6.0000e+00	6.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	6.0000e+00	6.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7676e+00	3.7688e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8739e+00	5.8742e+00	1e+00	3e-01	2e-15	3e-02
3:	5.9984e+00	5.9985e+00	1e-02	4e-03	7e-16	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3282e+00	4.3304e+00	6e+00	2e+00	3e-16	1e-01
2:	5.7981e+00	5.7986e+00	1e+00	3e-01	6e-16	3e-02
3:	5.9976e+00	5.9976e+00	1e-02	4e-03	2e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.1875e+00	3.1897e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6091e+00	5.6096e+00	1e+00	4e-01	4e-15	3e-02
3:	5.9442e+00	5.9445e+00	5e-01	1e-01	2e-15	1e-02
4:	5.9901e+00	5.9901e+00	4e-02	1e-02	3e-15	1e-03
5:	5.9999e+00	5.9999e+00	4e-04	1e-04	1e-15	1e-05
6:	6.0000e+00	6.0000e+00	4e-06	1e-06	1e-15	1e-07
7:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3362e+00	4.3366e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9587e+00	5.9587e+00	3e-01	9e-02	2e-15	7e-03
3:	5.9996e+00	5.9996e+00	3e-03	9e-04	6e-16	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8835e+00	3.8820e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6990e+00	5.6985e+00	1e+00	5e-01	1e-15	4e-02
3:	5.9962e+00	5.9962e+00	2e-02	6e-03	2e-15	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	6e-16	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	7e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5407e+00	3.5401e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7966e+00	5.7964e+00	1e+00	4e-01	2e-15	4e-02
3:	5.9958e+00	5.9958e+00	2e-02	7e-03	2e-15	6e-04
4:	6.0000e+00	6.0000e+00	2e-04	7e-05	9e-16	6e-06
5:	6.0000e+00	6.0000e+00	2e-06	7e-07	1e-15	6e-08
6:	6.0000e+00	6.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0330e+00	4.0357e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8550e+00	5.8555e+00	9e-01	3e-01	1e-15	2e-02
3:	5.9983e+00	5.9984e+00	1e-02	3e-03	8e-16	2e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8256e+00	3.8304e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7405e+00	5.7419e+00	1e+00	5e-01	3e-15	3e-02
3:	5.9946e+00	5.9946e+00	3e-02	8e-03	1e-15	6e-04
4:	5.9999e+00	5.9999e+00	3e-04	8e-05	8e-16	6e-06



5:	6.0000e+00	6.0000e+00	3e-06	8e-07	6e-16	6e-08
6:	6.0000e+00	6.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8069e+00	3.8064e+00	6e+00	2e+00	2e-16	2e-01
2:	5.7945e+00	5.7943e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9975e+00	5.9975e+00	2e-02	5e-03	1e-15	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	9e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5645e+00	3.5662e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7531e+00	5.7536e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9942e+00	5.9943e+00	3e-02	9e-03	2e-15	7e-04
4:	5.9999e+00	5.9999e+00	3e-04	9e-05	7e-16	7e-06
5:	6.0000e+00	6.0000e+00	3e-06	9e-07	7e-16	7e-08
6:	6.0000e+00	6.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1871e+00	4.1905e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9007e+00	5.9011e+00	6e-01	2e-01	2e-15	1e-02
3:	5.9989e+00	5.9989e+00	6e-03	2e-03	9e-16	1e-04
4:	6.0000e+00	6.0000e+00	6e-05	2e-05	7e-16	1e-06
5:	6.0000e+00	6.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0044e+00	4.0068e+00	6e+00	2e+00	2e-16	1e-01
2:	5.5924e+00	5.5935e+00	2e+00	6e-01	1e-15	5e-02
3:	5.9924e+00	5.9924e+00	4e-02	1e-02	9e-16	1e-03
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	3e-16	1e-07
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5315e+00	4.5325e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9404e+00	5.9404e+00	3e-01	9e-02	4e-15	7e-03
3:	5.9994e+00	5.9994e+00	3e-03	9e-04	9e-16	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	9e-06	8e-16	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.1338e+00	4.1365e+00	6e+00	2e+00	3e-16	2e-01
2:	5.8770e+00	5.8775e+00	8e-01	3e-01	2e-15	2e-02
3:	5.9986e+00	5.9986e+00	9e-03	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2736e+00	4.2773e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9000e+00	5.9004e+00	5e-01	2e-01	3e-15	1e-02
3:	5.9990e+00	5.9990e+00	5e-03	2e-03	1e-15	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5277e+00	3.5289e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5447e+00	5.5453e+00	2e+00	7e-01	2e-15	5e-02
3:	5.9590e+00	5.9591e+00	2e-01	5e-02	2e-15	4e-03
4:	5.9996e+00	5.9996e+00	2e-03	5e-04	4e-16	4e-05
5:	6.0000e+00	6.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	6.0000e+00	6.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7369e+00	3.7390e+00	7e+00	2e+00	2e-16	2e-01
2:	5.6159e+00	5.6167e+00	2e+00	7e-01	2e-15	5e-02
3:	5.9866e+00	5.9867e+00	6e-02	2e-02	1e-15	1e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	6e-16	1e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	5e-16	1e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0612e+00	4.0611e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9335e+00	5.9335e+00	5e-01	2e-01	2e-15	1e-02
3:	5.9993e+00	5.9993e+00	5e-03	2e-03	9e-16	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6803e+00	3.6807e+00	6e+00	2e+00	3e-16	2e-01
2:	5.6003e+00	5.6004e+00	2e+00	7e-01	2e-15	5e-02
3:	5.9849e+00	5.9849e+00	7e-02	2e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	6.0000e+00	6.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9410e+00	3.9404e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7947e+00	5.7945e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9975e+00	5.9975e+00	2e-02	5e-03	8e-16	4e-04
4:	6.0000e+00	6.0000e+00	2e-04	5e-05	9e-16	4e-06
5:	6.0000e+00	6.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	6.0000e+00	6.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9835e+00	4.9861e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8270e+00	6.8274e+00	8e-01	2e-01	1e-15	2e-02
3:	6.9981e+00	6.9981e+00	8e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7075e+00	4.7096e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7665e+00	6.7670e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9973e+00	6.9973e+00	1e-02	4e-03	8e-16	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9309e+00	4.9329e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8109e+00	6.8113e+00	9e-01	3e-01	2e-15	2e-02
3:	6.9971e+00	6.9971e+00	1e-02	4e-03	2e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	7.0000e+00	7.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9903e+00	4.9923e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9161e+00	6.9162e+00	4e-01	1e-01	2e-15	1e-02
3:	6.9992e+00	6.9992e+00	4e-03	1e-03	9e-16	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9016e+00	4.9023e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9355e+00	6.9356e+00	4e-01	1e-01	2e-15	9e-03
3:	6.9993e+00	6.9993e+00	4e-03	1e-03	1e-15	9e-05

4:	7.0000e+00	7.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8794e+00	4.8815e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8568e+00	6.8571e+00	7e-01	2e-01	1e-15	2e-02
3:	6.9985e+00	6.9985e+00	7e-03	2e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8210e+00	4.8222e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9121e+00	6.9123e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9991e+00	6.9991e+00	5e-03	2e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	7e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9872e+00	4.9884e+00	6e+00	2e+00	4e-16	1e-01
2:	6.6419e+00	6.6422e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9949e+00	6.9949e+00	2e-02	7e-03	1e-15	5e-04
4:	6.9999e+00	6.9999e+00	2e-04	7e-05	7e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	8e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6289e+00	4.6300e+00	6e+00	2e+00	2e-16	2e-01
2:	6.7374e+00	6.7378e+00	1e+00	4e-01	3e-15	3e-02
3:	6.9954e+00	6.9954e+00	2e-02	6e-03	2e-15	5e-04
4:	7.0000e+00	7.0000e+00	2e-04	6e-05	9e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6216e+00	4.6239e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7733e+00	6.7739e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9952e+00	6.9952e+00	2e-02	6e-03	9e-16	5e-04
4:	7.0000e+00	7.0000e+00	2e-04	6e-05	7e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	6e-07	9e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	6e-09	5e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.0464e+00	4.0458e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7858e+00	6.7856e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9943e+00	6.9943e+00	2e-02	8e-03	2e-15	6e-04
4:	6.9999e+00	6.9999e+00	2e-04	8e-05	8e-16	6e-06
5:	7.0000e+00	7.0000e+00	2e-06	8e-07	1e-15	6e-08
6:	7.0000e+00	7.0000e+00	2e-08	8e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0042e+00	4.0067e+00	7e+00	2e+00	3e-16	2e-01
2:	6.2136e+00	6.2150e+00	3e+00	9e-01	1e-15	7e-02
3:	6.9401e+00	6.9405e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9994e+00	6.9994e+00	3e-03	9e-04	4e-16	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	6e-16	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.2576e+00	4.2671e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7414e+00	6.7441e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9660e+00	6.9665e+00	1e-01	4e-02	4e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6589e+00	4.6605e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6069e+00	6.6075e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9947e+00	6.9948e+00	2e-02	7e-03	1e-15	6e-04
4:	6.9999e+00	6.9999e+00	2e-04	7e-05	5e-16	6e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	6e-16	6e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2346e+00	5.2356e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9621e+00	6.9621e+00	2e-01	6e-02	2e-15	4e-03
3:	6.9996e+00	6.9996e+00	2e-03	6e-04	1e-15	4e-05
4:	7.0000e+00	7.0000e+00	2e-05	6e-06	6e-16	4e-07
5:	7.0000e+00	7.0000e+00	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1447e+00	5.1454e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9435e+00	6.9436e+00	3e-01	9e-02	1e-15	7e-03
3:	6.9994e+00	6.9994e+00	3e-03	9e-04	6e-16	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	9e-06	5e-16	7e-07

5: 7.0000e+00 7.0000e+00 3e-07 9e-08 7e-16 7e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7391e+00	3.7445e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5874e+00	6.5888e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9165e+00	6.9172e+00	3e-01	1e-01	5e-15	7e-03
4:	6.9989e+00	6.9989e+00	5e-03	2e-03	1e-15	1e-04
5:	7.0000e+00	7.0000e+00	5e-05	2e-05	1e-15	1e-06
6:	7.0000e+00	7.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6412e+00	3.6436e+00	7e+00	2e+00	4e-16	2e-01
2:	6.5395e+00	6.5405e+00	2e+00	6e-01	2e-15	5e-02
3:	6.9685e+00	6.9687e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	7e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	8e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0655e+00	5.0674e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8910e+00	6.8912e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9989e+00	6.9989e+00	5e-03	2e-03	9e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6740e+00	3.6732e+00	6e+00	2e+00	3e-16	2e-01
2:	6.2871e+00	6.2869e+00	2e+00	5e-01	1e-15	4e-02
3:	6.8655e+00	6.8654e+00	5e-01	2e-01	1e-15	1e-02
4:	6.9664e+00	6.9664e+00	1e-01	3e-02	1e-14	3e-03
5:	6.9996e+00	6.9996e+00	1e-03	4e-04	1e-15	3e-05
6:	7.0000e+00	7.0000e+00	1e-05	4e-06	1e-15	3e-07
7:	7.0000e+00	7.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1223e+00	4.1262e+00	7e+00	2e+00	5e-16	2e-01
2:	6.5721e+00	6.5735e+00	2e+00	6e-01	8e-16	5e-02
3:	6.9680e+00	6.9683e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	7e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8099e+00	4.8102e+00	6e+00	2e+00	2e-16	2e-01
2:	6.8533e+00	6.8534e+00	8e-01	3e-01	1e-15	2e-02
3:	6.9984e+00	6.9984e+00	9e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	7.0000e+00	7.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1027e+00	5.1026e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9690e+00	6.9690e+00	2e-01	6e-02	2e-15	5e-03
3:	6.9997e+00	6.9997e+00	2e-03	6e-04	6e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5473e+00	4.5512e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8157e+00	6.8165e+00	1e+00	3e-01	4e-15	2e-02
3:	6.9978e+00	6.9978e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3087e+00	4.3094e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6489e+00	6.6492e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9887e+00	6.9887e+00	5e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	5e-04	1e-04	6e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	1e-06	6e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5546e+00	4.5585e+00	6e+00	2e+00	3e-16	1e-01
2:	6.6097e+00	6.6110e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9333e+00	6.9338e+00	2e-01	7e-02	4e-15	5e-03
4:	6.9993e+00	6.9993e+00	2e-03	8e-04	5e-16	6e-05
5:	7.0000e+00	7.0000e+00	2e-05	8e-06	5e-16	6e-07
6:	7.0000e+00	7.0000e+00	2e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5772e+00	5.5779e+00	4e+00	1e+00	2e-16	1e-01
2:	6.9272e+00	6.9272e+00	3e-01	8e-02	2e-15	6e-03
3:	6.9993e+00	6.9993e+00	3e-03	8e-04	2e-15	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	8e-06	2e-15	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	8e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3328e+00	4.3342e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6642e+00	6.6647e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9925e+00	6.9925e+00	3e-02	1e-02	2e-15	8e-04
4:	6.9999e+00	6.9999e+00	3e-04	1e-04	8e-16	8e-06
5:	7.0000e+00	7.0000e+00	3e-06	1e-06	8e-16	8e-08
6:	7.0000e+00	7.0000e+00	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7822e+00	4.7821e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8140e+00	6.8139e+00	9e-01	3e-01	2e-15	2e-02
3:	6.9976e+00	6.9976e+00	1e-02	3e-03	7e-16	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	3e-07	7e-16	3e-08
6:	7.0000e+00	7.0000e+00	1e-08	3e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8155e+00	4.8184e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8053e+00	6.8059e+00	9e-01	3e-01	3e-15	2e-02
3:	6.9977e+00	6.9977e+00	1e-02	3e-03	2e-15	2e-04
4:	7.0000e+00	7.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	1e-06	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4859e+00	4.4870e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8200e+00	6.8203e+00	1e+00	3e-01	4e-15	3e-02
3:	6.9978e+00	6.9978e+00	1e-02	4e-03	9e-16	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5395e+00	4.5422e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8242e+00	6.8248e+00	1e+00	3e-01	3e-15	2e-02
3:	6.9978e+00	6.9978e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4371e+00	4.4423e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4794e+00	6.4814e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9761e+00	6.9763e+00	1e-01	3e-02	1e-15	3e-03



4:	6.9998e+00	6.9998e+00	1e-03	3e-04	6e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	3e-06	8e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2653e+00	5.2662e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9355e+00	6.9355e+00	3e-01	9e-02	2e-15	7e-03
3:	6.9994e+00	6.9994e+00	3e-03	9e-04	7e-16	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6087e+00	4.6118e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8959e+00	6.8964e+00	7e-01	2e-01	2e-15	2e-02
3:	6.9989e+00	6.9989e+00	7e-03	2e-03	6e-16	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2606e+00	4.2648e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6316e+00	6.6331e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9924e+00	6.9924e+00	3e-02	1e-02	2e-15	8e-04
4:	6.9999e+00	6.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	7.0000e+00	7.0000e+00	3e-06	1e-06	6e-16	8e-08
6:	7.0000e+00	7.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.1564e+00	4.1647e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6368e+00	6.6393e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9886e+00	6.9887e+00	4e-02	1e-02	1e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	4e-16	1e-07
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7865e+00	4.7887e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8934e+00	6.8936e+00	5e-01	2e-01	1e-15	1e-02
3:	6.9989e+00	6.9989e+00	6e-03	2e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.3508e+00	4.3541e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7704e+00	6.7712e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9950e+00	6.9951e+00	2e-02	7e-03	2e-15	5e-04
4:	7.0000e+00	7.0000e+00	2e-04	7e-05	8e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	8e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.3382e+00	4.3450e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5952e+00	6.5973e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9729e+00	6.9732e+00	9e-02	3e-02	1e-15	2e-03
4:	6.9997e+00	6.9997e+00	9e-04	3e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	9e-06	3e-06	4e-16	2e-07
6:	7.0000e+00	7.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8211e+00	4.8240e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8980e+00	6.8983e+00	6e-01	2e-01	1e-15	1e-02
3:	6.9989e+00	6.9989e+00	6e-03	2e-03	9e-16	1e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	8e-16	1e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0062e+00	5.0080e+00	6e+00	2e+00	4e-16	1e-01
2:	6.8981e+00	6.8983e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9989e+00	6.9989e+00	5e-03	2e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0499e+00	5.0513e+00	6e+00	2e+00	2e-16	1e-01
2:	6.8956e+00	6.8958e+00	5e-01	1e-01	4e-15	1e-02
3:	6.9989e+00	6.9989e+00	5e-03	1e-03	7e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	1e-05	7e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7482e+00	3.7557e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5531e+00	6.5555e+00	2e+00	6e-01	7e-16	4e-02
3:	6.8914e+00	6.8928e+00	4e-01	1e-01	3e-15	9e-03
4:	6.9988e+00	6.9988e+00	5e-03	2e-03	5e-16	1e-04
5:	7.0000e+00	7.0000e+00	5e-05	2e-05	5e-16	1e-06
6:	7.0000e+00	7.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.8285e+00	3.8357e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6527e+00	6.6550e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9077e+00	6.9086e+00	3e-01	9e-02	2e-15	7e-03
4:	6.9990e+00	6.9990e+00	3e-03	9e-04	4e-16	7e-05
5:	7.0000e+00	7.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	7.0000e+00	7.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5634e+00	4.5644e+00	7e+00	2e+00	2e-16	2e-01
2:	6.7185e+00	6.7188e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9948e+00	6.9948e+00	3e-02	8e-03	9e-16	6e-04
4:	6.9999e+00	6.9999e+00	3e-04	8e-05	5e-16	6e-06
5:	7.0000e+00	7.0000e+00	3e-06	8e-07	5e-16	6e-08
6:	7.0000e+00	7.0000e+00	3e-08	8e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9300e+00	3.9339e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6462e+00	6.6475e+00	1e+00	5e-01	1e-15	3e-02
3:	6.9739e+00	6.9742e+00	1e-01	4e-02	3e-15	3e-03
4:	6.9997e+00	6.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4483e+00	5.4490e+00	5e+00	2e+00	4e-16	1e-01
2:	6.9466e+00	6.9466e+00	2e-01	7e-02	2e-15	5e-03
3:	6.9995e+00	6.9995e+00	2e-03	7e-04	1e-15	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	7e-06	4e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9170e+00	4.9188e+00	6e+00	2e+00	2e-16	2e-01
2:	6.8036e+00	6.8039e+00	9e-01	3e-01	2e-15	2e-02
3:	6.9978e+00	6.9978e+00	9e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	9e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9438e+00	4.9449e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8404e+00	6.8405e+00	7e-01	2e-01	1e-15	2e-02

3:	6.9983e+00	6.9983e+00	8e-03	2e-03	6e-16	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	2e-05	9e-16	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8972e+00	4.8970e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5861e+00	7.5860e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9919e+00	7.9919e+00	3e-02	1e-02	2e-15	8e-04
4:	7.9999e+00	7.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	8.0000e+00	8.0000e+00	3e-06	1e-06	7e-16	8e-08
6:	8.0000e+00	8.0000e+00	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5819e+00	5.5856e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9022e+00	7.9025e+00	4e-01	1e-01	3e-15	9e-03
3:	7.9990e+00	7.9990e+00	4e-03	1e-03	1e-15	9e-05
4:	8.0000e+00	8.0000e+00	4e-05	1e-05	1e-15	9e-07
5:	8.0000e+00	8.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7070e+00	4.7125e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6081e+00	7.6098e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9779e+00	7.9780e+00	7e-02	2e-02	1e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	4e-16	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	7e-16	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9497e+00	4.9507e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5708e+00	7.5712e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9892e+00	7.9893e+00	4e-02	1e-02	3e-15	1e-03
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	5e-16	1e-07
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7753e+00	4.7773e+00	7e+00	2e+00	3e-16	2e-01
2:	7.2998e+00	7.3008e+00	2e+00	7e-01	1e-15	6e-02
3:	7.9585e+00	7.9587e+00	2e-01	6e-02	1e-15	4e-03
4:	7.9996e+00	7.9996e+00	2e-03	6e-04	6e-16	4e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	5e-16	4e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4052e+00	5.4092e+00	6e+00	2e+00	3e-16	1e-01
2:	7.5817e+00	7.5830e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9741e+00	7.9742e+00	8e-02	3e-02	2e-15	2e-03
4:	7.9997e+00	7.9997e+00	8e-04	3e-04	5e-16	2e-05
5:	8.0000e+00	8.0000e+00	8e-06	3e-06	4e-16	2e-07
6:	8.0000e+00	8.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8214e+00	5.8233e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9171e+00	7.9173e+00	3e-01	1e-01	1e-15	8e-03
3:	7.9992e+00	7.9992e+00	3e-03	1e-03	7e-16	8e-05
4:	8.0000e+00	8.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	8.0000e+00	8.0000e+00	3e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7495e+00	5.7516e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8413e+00	7.8416e+00	7e-01	2e-01	1e-15	2e-02
3:	7.9983e+00	7.9983e+00	7e-03	2e-03	8e-16	2e-04
4:	8.0000e+00	8.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8201e+00	3.8236e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8559e+00	6.8571e+00	1e+00	5e-01	2e-15	4e-02
3:	7.3176e+00	7.3180e+00	4e-01	1e-01	1e-15	9e-03
4:	7.4743e+00	7.4743e+00	4e-02	1e-02	8e-16	9e-04
5:	7.4861e+00	7.4861e+00	3e-03	1e-03	7e-16	8e-05
6:	7.4875e+00	7.4875e+00	2e-04	7e-05	8e-16	5e-06
7:	7.4876e+00	7.4876e+00	2e-06	7e-07	1e-15	5e-08
8:	7.4876e+00	7.4876e+00	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0806e+00	6.0821e+00	5e+00	2e+00	6e-16	1e-01
2:	7.8344e+00	7.8345e+00	5e-01	2e-01	1e-15	1e-02
3:	7.9983e+00	7.9983e+00	6e-03	2e-03	2e-15	1e-04
4:	8.0000e+00	8.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1693e+00	5.1719e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7534e+00	7.7539e+00	1e+00	4e-01	2e-15	3e-02

3:	7.9966e+00	7.9966e+00	1e-02	4e-03	1e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5454e+00	5.5473e+00	7e+00	2e+00	3e-16	2e-01
2:	7.9069e+00	7.9071e+00	5e-01	1e-01	2e-15	1e-02
3:	7.9991e+00	7.9991e+00	5e-03	1e-03	9e-16	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	1e-05	7e-16	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3041e+00	5.3052e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7973e+00	7.7976e+00	1e+00	3e-01	1e-15	2e-02
3:	7.9976e+00	7.9976e+00	1e-02	4e-03	8e-16	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	7e-16	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8494e+00	5.8514e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8609e+00	7.8611e+00	5e-01	2e-01	2e-15	1e-02
3:	7.9986e+00	7.9986e+00	5e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4143e+00	5.4163e+00	7e+00	2e+00	5e-16	2e-01
2:	7.6692e+00	7.6698e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9939e+00	7.9939e+00	2e-02	7e-03	1e-15	6e-04
4:	7.9999e+00	7.9999e+00	2e-04	7e-05	1e-15	6e-06
5:	8.0000e+00	8.0000e+00	2e-06	7e-07	9e-16	6e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9487e+00	5.9501e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9064e+00	7.9065e+00	4e-01	1e-01	2e-15	9e-03
3:	7.9991e+00	7.9991e+00	4e-03	1e-03	7e-16	9e-05
4:	8.0000e+00	8.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	8.0000e+00	8.0000e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0838e+00	5.0845e+00	6e+00	2e+00	2e-16	2e-01
2:	7.3957e+00	7.3961e+00	2e+00	6e-01	9e-16	5e-02

3:	7.8715e+00	7.8717e+00	4e-01	1e-01	1e-15	1e-02
4:	7.9985e+00	7.9985e+00	6e-03	2e-03	4e-16	1e-04
5:	8.0000e+00	8.0000e+00	6e-05	2e-05	6e-16	1e-06
6:	8.0000e+00	8.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9899e+00	3.9966e+00	8e+00	2e+00	3e-16	2e-01
2:	7.3791e+00	7.3818e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9204e+00	7.9210e+00	4e-01	1e-01	1e-15	1e-02
4:	7.9977e+00	7.9977e+00	8e-03	3e-03	2e-15	2e-04
5:	8.0000e+00	8.0000e+00	8e-05	3e-05	1e-15	2e-06
6:	8.0000e+00	8.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9756e+00	5.9778e+00	6e+00	2e+00	2e-16	1e-01
2:	7.8281e+00	7.8284e+00	6e-01	2e-01	2e-15	1e-02
3:	7.9981e+00	7.9981e+00	7e-03	2e-03	2e-15	2e-04
4:	8.0000e+00	8.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4296e+00	5.4319e+00	6e+00	2e+00	3e-16	2e-01
2:	7.7321e+00	7.7327e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9939e+00	7.9939e+00	2e-02	7e-03	3e-15	5e-04
4:	7.9999e+00	7.9999e+00	2e-04	7e-05	1e-15	5e-06
5:	8.0000e+00	8.0000e+00	2e-06	7e-07	1e-15	5e-08
6:	8.0000e+00	8.0000e+00	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6768e+00	4.6791e+00	6e+00	2e+00	2e-16	2e-01
2:	7.4493e+00	7.4499e+00	1e+00	3e-01	2e-15	3e-02
3:	7.8985e+00	7.8987e+00	4e-01	1e-01	2e-15	9e-03
4:	7.9687e+00	7.9688e+00	8e-02	3e-02	1e-14	2e-03
5:	7.9997e+00	7.9997e+00	9e-04	3e-04	7e-16	2e-05
6:	8.0000e+00	8.0000e+00	9e-06	3e-06	9e-16	2e-07
7:	8.0000e+00	8.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5489e+00	5.5521e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8091e+00	7.8097e+00	8e-01	3e-01	2e-15	2e-02
3:	7.9976e+00	7.9977e+00	1e-02	3e-03	7e-16	2e-04
4:	8.0000e+00	8.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0868e+00	5.0944e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6994e+00	7.7013e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9872e+00	7.9873e+00	4e-02	1e-02	2e-15	9e-04
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	8e-16	9e-06
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8939e+00	3.8980e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1472e+00	7.1483e+00	1e+00	4e-01	1e-15	3e-02
3:	7.6660e+00	7.6663e+00	3e-01	9e-02	1e-15	7e-03
4:	7.7758e+00	7.7759e+00	7e-02	2e-02	5e-15	2e-03
5:	7.8091e+00	7.8091e+00	8e-03	2e-03	3e-15	2e-04
6:	7.8135e+00	7.8135e+00	2e-04	5e-05	9e-16	4e-06
7:	7.8135e+00	7.8135e+00	2e-06	5e-07	1e-15	4e-08
8:	7.8135e+00	7.8135e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0640e+00	5.0653e+00	6e+00	2e+00	3e-16	2e-01
2:	7.2746e+00	7.2752e+00	2e+00	8e-01	2e-15	6e-02
3:	7.9384e+00	7.9386e+00	2e-01	7e-02	1e-15	6e-03
4:	7.9994e+00	7.9994e+00	2e-03	8e-04	6e-16	6e-05
5:	8.0000e+00	8.0000e+00	2e-05	8e-06	5e-16	6e-07
6:	8.0000e+00	8.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0976e+00	5.1009e+00	7e+00	2e+00	4e-16	2e-01
2:	7.6953e+00	7.6961e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9929e+00	7.9929e+00	3e-02	8e-03	2e-15	6e-04
4:	7.9999e+00	7.9999e+00	3e-04	8e-05	1e-15	6e-06
5:	8.0000e+00	8.0000e+00	3e-06	8e-07	1e-15	6e-08
6:	8.0000e+00	8.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6117e+00	4.6134e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6193e+00	7.6199e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9902e+00	7.9902e+00	4e-02	1e-02	1e-15	9e-04
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6066e+00	4.6093e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4581e+00	7.4592e+00	2e+00	6e-01	1e-15	5e-02
3:	7.9671e+00	7.9673e+00	1e-01	3e-02	3e-15	3e-03
4:	7.9997e+00	7.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.7612e+00	4.7687e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4001e+00	7.4027e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9234e+00	7.9244e+00	3e-01	9e-02	3e-15	7e-03
4:	7.9992e+00	7.9992e+00	3e-03	1e-03	3e-16	8e-05
5:	8.0000e+00	8.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	8.0000e+00	8.0000e+00	3e-07	1e-07	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9900e+00	4.9946e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4558e+00	7.4577e+00	2e+00	6e-01	1e-15	5e-02
3:	7.9831e+00	7.9832e+00	7e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	1e-15	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	1e-15	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7976e+00	4.7984e+00	6e+00	2e+00	3e-16	2e-01
2:	7.4844e+00	7.4847e+00	2e+00	6e-01	2e-15	5e-02
3:	7.9829e+00	7.9829e+00	6e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	7e-16	2e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0340e+00	5.0349e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3586e+00	7.3589e+00	2e+00	7e-01	7e-16	5e-02
3:	7.9749e+00	7.9750e+00	1e-01	3e-02	2e-15	3e-03
4:	7.9997e+00	7.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6629e+00	5.6652e+00	6e+00	2e+00	2e-16	2e-01

2:	7.8262e+00	7.8266e+00	7e-01	2e-01	2e-15	2e-02
3:	7.9981e+00	7.9981e+00	8e-03	2e-03	9e-16	2e-04
4:	8.0000e+00	8.0000e+00	8e-05	2e-05	9e-16	2e-06
5:	8.0000e+00	8.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1274e+00	4.1268e+00	6e+00	2e+00	2e-16	2e-01
2:	7.5160e+00	7.5158e+00	9e-01	3e-01	3e-15	2e-02
3:	7.9204e+00	7.9204e+00	3e-01	9e-02	2e-15	7e-03
4:	7.9461e+00	7.9461e+00	1e-01	4e-02	3e-14	3e-03
5:	7.9993e+00	7.9993e+00	2e-03	6e-04	1e-15	5e-05
6:	8.0000e+00	8.0000e+00	2e-05	6e-06	4e-15	5e-07
7:	8.0000e+00	8.0000e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1064e+00	5.1132e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5907e+00	7.5926e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9817e+00	7.9818e+00	6e-02	2e-02	1e-15	1e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	7e-16	1e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	9e-16	1e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4536e+00	5.4550e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7758e+00	7.7761e+00	1e+00	3e-01	2e-15	2e-02
3:	7.9975e+00	7.9975e+00	1e-02	3e-03	8e-16	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7552e+00	3.7591e+00	7e+00	2e+00	4e-16	2e-01
2:	7.2567e+00	7.2578e+00	1e+00	4e-01	3e-15	3e-02
3:	7.8217e+00	7.8219e+00	2e-01	7e-02	2e-15	5e-03
4:	7.9343e+00	7.9343e+00	4e-02	1e-02	1e-15	9e-04
5:	7.9489e+00	7.9489e+00	3e-03	8e-04	4e-15	6e-05
6:	7.9500e+00	7.9500e+00	3e-05	8e-06	4e-15	7e-07
7:	7.9500e+00	7.9500e+00	3e-07	8e-08	6e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7352e+00	4.7356e+00	7e+00	2e+00	3e-16	2e-01
2:	7.1863e+00	7.1866e+00	3e+00	8e-01	9e-16	6e-02
3:	7.9470e+00	7.9471e+00	2e-01	7e-02	2e-15	6e-03
4:	7.9995e+00	7.9995e+00	2e-03	8e-04	5e-16	6e-05

5:	8.0000e+00	8.0000e+00	2e-05	8e-06	6e-16	6e-07
6:	8.0000e+00	8.0000e+00	2e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3082e+00	5.3104e+00	7e+00	2e+00	5e-16	2e-01
2:	7.4983e+00	7.4992e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9917e+00	7.9917e+00	3e-02	1e-02	2e-15	8e-04
4:	7.9999e+00	7.9999e+00	3e-04	1e-04	6e-16	8e-06
5:	8.0000e+00	8.0000e+00	3e-06	1e-06	6e-16	8e-08
6:	8.0000e+00	8.0000e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1776e+00	5.1806e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7136e+00	7.7143e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9870e+00	7.9871e+00	4e-02	1e-02	4e-15	9e-04
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	1e-15	9e-06
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	8e-16	9e-08
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4347e+00	5.4392e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6128e+00	7.6140e+00	1e+00	5e-01	2e-15	3e-02
3:	7.9943e+00	7.9943e+00	2e-02	6e-03	1e-15	5e-04
4:	7.9999e+00	7.9999e+00	2e-04	6e-05	1e-15	5e-06
5:	8.0000e+00	8.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	8.0000e+00	8.0000e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0970e+00	4.0991e+00	6e+00	2e+00	3e-16	2e-01
2:	7.4409e+00	7.4415e+00	1e+00	4e-01	2e-15	3e-02
3:	7.8473e+00	7.8475e+00	3e-01	9e-02	1e-15	7e-03
4:	7.9668e+00	7.9668e+00	6e-02	2e-02	8e-16	1e-03
5:	7.9980e+00	7.9980e+00	7e-03	2e-03	5e-15	2e-04
6:	7.9990e+00	7.9990e+00	2e-03	7e-04	5e-13	5e-05
7:	8.0000e+00	8.0000e+00	2e-05	8e-06	2e-14	6e-07
8:	8.0000e+00	8.0000e+00	2e-07	8e-08	1e-13	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3320e+00	4.3348e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5325e+00	7.5335e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9560e+00	7.9563e+00	2e-01	7e-02	2e-15	5e-03
4:	7.9995e+00	7.9995e+00	2e-03	7e-04	2e-15	6e-05
5:	8.0000e+00	8.0000e+00	2e-05	7e-06	1e-15	6e-07

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6: 8.0000e+00 8.0000e+00 2e-07 7e-08 2e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 4.7376e+00 4.7450e+00 7e+00 2e+00 3e-16 2e-01
2: 7.5216e+00 7.5241e+00 2e+00 6e-01 2e-15 4e-02
3: 7.9831e+00 7.9833e+00 6e-02 2e-02 2e-15 1e-03
4: 7.9998e+00 7.9998e+00 6e-04 2e-04 4e-16 1e-05
5: 8.0000e+00 8.0000e+00 6e-06 2e-06 6e-16 1e-07
6: 8.0000e+00 8.0000e+00 6e-08 2e-08 5e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.7241e+00 5.7268e+00 6e+00 2e+00 3e-16 1e-01
2: 7.8829e+00 7.8832e+00 5e-01 2e-01 2e-15 1e-02
3: 7.9988e+00 7.9988e+00 5e-03 2e-03 9e-16 1e-04
4: 8.0000e+00 8.0000e+00 5e-05 2e-05 9e-16 1e-06
5: 8.0000e+00 8.0000e+00 5e-07 2e-07 9e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.1283e+00 6.1292e+00 5e+00 2e+00 3e-16 1e-01
2: 7.9125e+00 7.9126e+00 3e-01 9e-02 1e-15 7e-03
3: 7.9991e+00 7.9991e+00 3e-03 1e-03 7e-16 7e-05
4: 8.0000e+00 8.0000e+00 3e-05 1e-05 7e-16 7e-07
5: 8.0000e+00 8.0000e+00 3e-07 1e-07 9e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.1079e+00 5.1075e+00 6e+00 2e+00 2e-16 2e-01
2: 7.7182e+00 7.7181e+00 1e+00 4e-01 4e-15 3e-02
3: 7.9901e+00 7.9901e+00 4e-02 1e-02 2e-15 9e-04
4: 7.9999e+00 7.9999e+00 4e-04 1e-04 7e-16 9e-06
5: 8.0000e+00 8.0000e+00 4e-06 1e-06 5e-16 9e-08
6: 8.0000e+00 8.0000e+00 4e-08 1e-08 5e-16 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.7548e+00 5.7562e+00 6e+00 2e+00 4e-16 2e-01
2: 7.8855e+00 7.8857e+00 5e-01 2e-01 2e-15 1e-02
3: 7.9988e+00 7.9988e+00 5e-03 2e-03 1e-15 1e-04
4: 8.0000e+00 8.0000e+00 5e-05 2e-05 8e-16 1e-06
5: 8.0000e+00 8.0000e+00 5e-07 2e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.4933e+00 5.4981e+00 7e+00 2e+00 3e-16 2e-01
2: 7.8163e+00 7.8170e+00 8e-01 2e-01 2e-15 2e-02

```

3:	7.9978e+00	7.9978e+00	9e-03	3e-03	8e-16	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7067e+00	5.7095e+00	6e+00	2e+00	3e-16	1e-01
2:	7.6965e+00	7.6971e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9953e+00	7.9953e+00	2e-02	5e-03	2e-15	4e-04
4:	8.0000e+00	8.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	8.0000e+00	8.0000e+00	2e-06	5e-07	9e-16	4e-08
6:	8.0000e+00	8.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2323e+00	6.2358e+00	6e+00	2e+00	3e-16	1e-01
2:	8.5339e+00	8.5350e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9871e+00	8.9872e+00	4e-02	1e-02	2e-15	9e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	5e-16	9e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5204e+00	5.5278e+00	7e+00	2e+00	2e-16	2e-01
2:	8.5675e+00	8.5696e+00	1e+00	5e-01	1e-15	3e-02
3:	8.9722e+00	8.9724e+00	8e-02	3e-02	1e-15	2e-03
4:	8.9997e+00	8.9997e+00	8e-04	3e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	8e-06	3e-06	7e-16	2e-07
6:	9.0000e+00	9.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3101e+00	5.3167e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0547e+00	8.0569e+00	2e+00	5e-01	1e-15	4e-02
3:	8.8698e+00	8.8703e+00	3e-01	9e-02	1e-15	7e-03
4:	8.9826e+00	8.9827e+00	7e-02	2e-02	3e-15	2e-03
5:	8.9966e+00	8.9966e+00	8e-03	2e-03	3e-14	2e-04
6:	9.0000e+00	9.0000e+00	8e-05	3e-05	3e-15	2e-06
7:	9.0000e+00	9.0000e+00	8e-07	3e-07	6e-15	2e-08
8:	9.0000e+00	9.0000e+00	8e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6195e+00	4.6202e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3770e+00	8.3772e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8659e+00	8.8660e+00	4e-01	1e-01	3e-15	1e-02
4:	8.9752e+00	8.9753e+00	7e-02	2e-02	1e-14	2e-03

5:	8.9997e+00	8.9997e+00	7e-04	2e-04	2e-15	2e-05
6:	9.0000e+00	9.0000e+00	7e-06	2e-06	2e-15	2e-07
7:	9.0000e+00	9.0000e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5637e+00	3.5675e+00	7e+00	2e+00	2e-16	2e-01
2:	6.5984e+00	6.5993e+00	1e+00	3e-01	2e-15	2e-02
3:	7.0570e+00	7.0572e+00	2e-01	7e-02	2e-15	5e-03
4:	7.1427e+00	7.1428e+00	5e-02	2e-02	2e-15	1e-03
5:	7.1591e+00	7.1591e+00	8e-03	2e-03	3e-15	2e-04
6:	7.1625e+00	7.1625e+00	6e-04	2e-04	1e-15	2e-05
7:	7.1628e+00	7.1628e+00	6e-06	2e-06	2e-15	2e-07
8:	7.1628e+00	7.1628e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0470e+00	6.0500e+00	7e+00	2e+00	4e-16	2e-01
2:	8.7556e+00	8.7562e+00	1e+00	3e-01	2e-15	2e-02
3:	8.9956e+00	8.9956e+00	2e-02	5e-03	1e-15	4e-04
4:	9.0000e+00	9.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	9.0000e+00	9.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9495e+00	4.9500e+00	6e+00	2e+00	4e-16	2e-01
2:	8.5283e+00	8.5284e+00	1e+00	3e-01	2e-15	3e-02
3:	8.9285e+00	8.9285e+00	3e-01	9e-02	3e-15	7e-03
4:	8.9891e+00	8.9891e+00	3e-02	1e-02	6e-15	8e-04
5:	8.9999e+00	8.9999e+00	3e-04	1e-04	1e-15	8e-06
6:	9.0000e+00	9.0000e+00	3e-06	1e-06	1e-15	8e-08
7:	9.0000e+00	9.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0023e+00	6.0041e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6215e+00	8.6221e+00	1e+00	5e-01	2e-15	3e-02
3:	8.9915e+00	8.9916e+00	3e-02	9e-03	2e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	9e-05	6e-16	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	9e-07	1e-15	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7151e+00	5.7182e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5739e+00	8.5747e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9734e+00	8.9735e+00	8e-02	2e-02	2e-15	2e-03

4:	8.9997e+00	8.9997e+00	8e-04	3e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	8e-06	3e-06	6e-16	2e-07
6:	9.0000e+00	9.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5762e+00	6.5798e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6809e+00	8.6817e+00	1e+00	3e-01	3e-15	2e-02
3:	8.9932e+00	8.9932e+00	2e-02	6e-03	3e-15	5e-04
4:	8.9999e+00	8.9999e+00	2e-04	6e-05	8e-16	5e-06
5:	9.0000e+00	9.0000e+00	2e-06	6e-07	1e-15	5e-08
6:	9.0000e+00	9.0000e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0383e+00	5.0373e+00	6e+00	2e+00	3e-16	2e-01
2:	8.1503e+00	8.1500e+00	1e+00	3e-01	3e-15	3e-02
3:	8.6926e+00	8.6925e+00	2e-01	6e-02	1e-15	5e-03
4:	8.7799e+00	8.7799e+00	9e-03	3e-03	1e-15	2e-04
5:	8.7838e+00	8.7838e+00	9e-05	3e-05	2e-15	2e-06
6:	8.7838e+00	8.7838e+00	9e-07	3e-07	2e-15	2e-08
7:	8.7838e+00	8.7838e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3166e+00	5.3204e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5494e+00	8.5507e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9656e+00	8.9657e+00	1e-01	4e-02	1e-15	3e-03
4:	8.9997e+00	8.9997e+00	1e-03	4e-04	9e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2812e+00	5.2867e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8335e+00	7.8356e+00	2e+00	5e-01	1e-15	4e-02
3:	8.4508e+00	8.4514e+00	3e-01	1e-01	1e-15	7e-03
4:	8.5888e+00	8.5888e+00	4e-02	1e-02	7e-16	1e-03
5:	8.6075e+00	8.6075e+00	7e-03	2e-03	2e-15	2e-04
6:	8.6102e+00	8.6102e+00	1e-04	5e-05	7e-15	4e-06
7:	8.6103e+00	8.6103e+00	1e-06	5e-07	3e-15	4e-08
8:	8.6103e+00	8.6103e+00	1e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7758e+00	4.7760e+00	6e+00	2e+00	3e-16	2e-01
2:	8.1607e+00	8.1608e+00	1e+00	5e-01	2e-15	4e-02
3:	8.7576e+00	8.7576e+00	3e-01	8e-02	1e-15	6e-03

4:	8.8815e+00	8.8815e+00	6e-02	2e-02	2e-15	1e-03
5:	8.9086e+00	8.9086e+00	8e-04	2e-04	2e-15	2e-05
6:	8.9089e+00	8.9089e+00	8e-06	2e-06	1e-15	2e-07
7:	8.9089e+00	8.9089e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6625e+00	5.6676e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4788e+00	8.4804e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9836e+00	8.9837e+00	5e-02	1e-02	2e-15	1e-03
4:	8.9998e+00	8.9998e+00	5e-04	1e-04	6e-16	1e-05
5:	9.0000e+00	9.0000e+00	5e-06	1e-06	7e-16	1e-07
6:	9.0000e+00	9.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2659e+00	6.2693e+00	7e+00	2e+00	4e-16	2e-01
2:	8.6275e+00	8.6284e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9911e+00	8.9911e+00	3e-02	8e-03	2e-15	6e-04
4:	8.9999e+00	8.9999e+00	3e-04	8e-05	7e-16	6e-06
5:	9.0000e+00	9.0000e+00	3e-06	8e-07	8e-16	6e-08
6:	9.0000e+00	9.0000e+00	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2040e+00	4.2039e+00	6e+00	2e+00	4e-16	2e-01
2:	7.0260e+00	7.0260e+00	1e+00	3e-01	1e-15	3e-02
3:	7.5380e+00	7.5380e+00	2e-01	7e-02	2e-15	5e-03
4:	7.6256e+00	7.6256e+00	3e-02	9e-03	3e-15	7e-04
5:	7.6407e+00	7.6407e+00	7e-04	2e-04	1e-15	2e-05
6:	7.6410e+00	7.6410e+00	7e-06	2e-06	7e-16	2e-07
7:	7.6410e+00	7.6410e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1515e+00	6.1560e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6104e+00	8.6117e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9881e+00	8.9881e+00	4e-02	1e-02	2e-15	8e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	7e-16	8e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	7e-16	8e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2922e+00	5.2993e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4734e+00	8.4754e+00	1e+00	4e-01	2e-15	3e-02
3:	8.8964e+00	8.8971e+00	4e-01	1e-01	2e-15	9e-03
4:	8.9949e+00	8.9949e+00	2e-02	5e-03	3e-15	4e-04



5:	8.9999e+00	8.9999e+00	2e-04	5e-05	8e-16	4e-06
6:	9.0000e+00	9.0000e+00	2e-06	5e-07	6e-16	4e-08
7:	9.0000e+00	9.0000e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1726e+00	6.1764e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7262e+00	8.7269e+00	1e+00	3e-01	2e-15	2e-02
3:	8.9957e+00	8.9957e+00	1e-02	4e-03	1e-15	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	4e-07	9e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6218e+00	5.6252e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7521e+00	8.7529e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9932e+00	8.9932e+00	2e-02	7e-03	2e-15	6e-04
4:	8.9999e+00	8.9999e+00	2e-04	7e-05	8e-16	6e-06
5:	9.0000e+00	9.0000e+00	2e-06	7e-07	1e-15	6e-08
6:	9.0000e+00	9.0000e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5143e+00	6.5163e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7637e+00	8.7640e+00	8e-01	3e-01	2e-15	2e-02
3:	8.9971e+00	8.9971e+00	9e-03	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3620e+00	5.3627e+00	6e+00	2e+00	3e-16	2e-01
2:	8.6040e+00	8.6043e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9550e+00	8.9551e+00	1e-01	4e-02	3e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	8e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	9e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4898e+00	4.4965e+00	7e+00	2e+00	3e-16	2e-01
2:	8.0008e+00	8.0027e+00	1e+00	4e-01	1e-15	3e-02
3:	8.7773e+00	8.7776e+00	2e-01	6e-02	2e-15	5e-03
4:	8.8636e+00	8.8636e+00	2e-02	6e-03	4e-15	4e-04
5:	8.8730e+00	8.8730e+00	2e-04	6e-05	1e-15	4e-06
6:	8.8731e+00	8.8731e+00	2e-06	6e-07	1e-15	4e-08
7:	8.8731e+00	8.8731e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5249e+00	4.5251e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9787e+00	7.9788e+00	1e+00	4e-01	2e-15	3e-02
3:	8.4896e+00	8.4896e+00	3e-01	1e-01	2e-15	8e-03
4:	8.5952e+00	8.5952e+00	7e-02	2e-02	3e-15	2e-03
5:	8.6305e+00	8.6305e+00	2e-03	5e-04	1e-15	4e-05
6:	8.6313e+00	8.6313e+00	2e-05	5e-06	6e-16	4e-07
7:	8.6313e+00	8.6313e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2364e+00	5.2425e+00	7e+00	2e+00	4e-16	2e-01
2:	8.3939e+00	8.3960e+00	2e+00	6e-01	1e-15	4e-02
3:	8.9660e+00	8.9664e+00	1e-01	4e-02	2e-15	3e-03
4:	8.9997e+00	8.9997e+00	1e-03	4e-04	5e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4073e+00	5.4128e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2842e+00	8.2863e+00	2e+00	6e-01	2e-15	5e-02
3:	8.9152e+00	8.9161e+00	3e-01	9e-02	3e-15	7e-03
4:	8.9991e+00	8.9991e+00	3e-03	1e-03	5e-16	8e-05
5:	9.0000e+00	9.0000e+00	3e-05	1e-05	8e-16	8e-07
6:	9.0000e+00	9.0000e+00	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7575e+00	4.7591e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4604e+00	8.4608e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9376e+00	8.9377e+00	3e-01	8e-02	3e-15	6e-03
4:	8.9859e+00	8.9859e+00	3e-02	1e-02	1e-14	8e-04
5:	8.9999e+00	8.9999e+00	3e-04	1e-04	1e-15	8e-06
6:	9.0000e+00	9.0000e+00	3e-06	1e-06	1e-15	8e-08
7:	9.0000e+00	9.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5000e+00	6.5027e+00	6e+00	2e+00	3e-16	1e-01
2:	8.5807e+00	8.5814e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9938e+00	8.9938e+00	2e-02	6e-03	2e-15	4e-04
4:	8.9999e+00	8.9999e+00	2e-04	6e-05	1e-15	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	6e-07	8e-16	4e-08
6:	9.0000e+00	9.0000e+00	2e-08	6e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4806e+00	6.4826e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6277e+00	8.6282e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9952e+00	8.9952e+00	2e-02	5e-03	6e-16	4e-04
4:	9.0000e+00	9.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	5e-07	7e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0032e+00	5.0023e+00	6e+00	2e+00	3e-16	2e-01
2:	8.3527e+00	8.3524e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9461e+00	8.9460e+00	2e-01	7e-02	4e-15	6e-03
4:	8.9994e+00	8.9994e+00	3e-03	8e-04	2e-15	6e-05
5:	9.0000e+00	9.0000e+00	3e-05	8e-06	2e-15	6e-07
6:	9.0000e+00	9.0000e+00	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.4290e+00	5.4345e+00	8e+00	2e+00	3e-16	2e-01
2:	8.5448e+00	8.5463e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9786e+00	8.9788e+00	1e-01	4e-02	3e-15	3e-03
4:	8.9997e+00	8.9997e+00	1e-03	4e-04	4e-15	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	3e-15	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9393e+00	5.9465e+00	7e+00	2e+00	3e-16	1e-01
2:	8.5612e+00	8.5630e+00	1e+00	5e-01	2e-15	3e-02
3:	8.9901e+00	8.9902e+00	3e-02	9e-03	8e-16	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	9e-05	1e-15	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	9e-07	8e-16	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9834e+00	5.9878e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4639e+00	8.4653e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9748e+00	8.9750e+00	8e-02	2e-02	2e-15	2e-03
4:	8.9997e+00	8.9997e+00	8e-04	2e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	8e-06	2e-06	6e-16	2e-07
6:	9.0000e+00	9.0000e+00	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5069e+00	5.5108e+00	7e+00	2e+00	2e-16	2e-01
2:	8.3692e+00	8.3707e+00	2e+00	6e-01	1e-15	5e-02
3:	8.9778e+00	8.9780e+00	8e-02	2e-02	2e-15	2e-03

4:	8.9998e+00	8.9998e+00	8e-04	2e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	8e-06	2e-06	5e-16	2e-07
6:	9.0000e+00	9.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5292e+00	5.5368e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6876e+00	8.6892e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9948e+00	8.9948e+00	2e-02	6e-03	1e-15	4e-04
4:	8.9999e+00	8.9999e+00	2e-04	6e-05	1e-15	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	6e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3684e+00	5.3738e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2959e+00	8.2982e+00	2e+00	7e-01	2e-15	5e-02
3:	8.9612e+00	8.9616e+00	1e-01	4e-02	2e-15	3e-03
4:	8.9996e+00	8.9996e+00	1e-03	4e-04	5e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.6736e+00	3.6800e+00	8e+00	2e+00	3e-16	2e-01
2:	6.5653e+00	6.5683e+00	2e+00	7e-01	2e-15	5e-02
3:	7.4504e+00	7.4511e+00	5e-01	1e-01	7e-16	1e-02
4:	7.6283e+00	7.6284e+00	8e-02	3e-02	1e-15	2e-03
5:	7.6712e+00	7.6712e+00	2e-03	6e-04	7e-16	4e-05
6:	7.6721e+00	7.6721e+00	2e-05	6e-06	6e-16	4e-07
7:	7.6721e+00	7.6721e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2192e+00	6.2225e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6736e+00	8.6744e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9945e+00	8.9946e+00	2e-02	6e-03	1e-15	4e-04
4:	8.9999e+00	8.9999e+00	2e-04	6e-05	7e-16	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	6e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2854e+00	5.2931e+00	7e+00	2e+00	4e-16	2e-01
2:	8.7532e+00	8.7548e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9898e+00	8.9899e+00	3e-02	9e-03	3e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	9e-05	7e-16	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	9e-07	8e-16	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3374e+00	4.3392e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6426e+00	7.6431e+00	1e+00	4e-01	2e-15	3e-02
3:	8.1503e+00	8.1505e+00	4e-01	1e-01	2e-15	9e-03
4:	8.3127e+00	8.3127e+00	6e-02	2e-02	2e-15	1e-03
5:	8.3448e+00	8.3448e+00	5e-03	2e-03	9e-16	1e-04
6:	8.3470e+00	8.3470e+00	6e-04	2e-04	9e-15	2e-05
7:	8.3473e+00	8.3473e+00	6e-06	2e-06	9e-16	2e-07
8:	8.3473e+00	8.3473e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3852e+00	5.3865e+00	7e+00	2e+00	2e-16	2e-01
2:	8.1725e+00	8.1729e+00	1e+00	4e-01	1e-15	3e-02
3:	8.7064e+00	8.7065e+00	3e-01	1e-01	1e-15	8e-03
4:	8.8789e+00	8.8789e+00	4e-02	1e-02	7e-16	1e-03
5:	8.8949e+00	8.8949e+00	5e-04	1e-04	3e-15	1e-05
6:	8.8951e+00	8.8951e+00	5e-06	1e-06	2e-15	1e-07
7:	8.8951e+00	8.8951e+00	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8569e+00	5.8603e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6172e+00	8.6181e+00	1e+00	5e-01	2e-15	3e-02
3:	8.9916e+00	8.9917e+00	3e-02	9e-03	2e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	9e-05	6e-16	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	9e-07	6e-16	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9394e+00	5.9467e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7130e+00	8.7149e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9866e+00	8.9867e+00	4e-02	1e-02	2e-15	9e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	8e-16	9e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6712e+00	6.6737e+00	6e+00	2e+00	6e-16	1e-01
2:	8.8633e+00	8.8635e+00	4e-01	1e-01	2e-15	1e-02
3:	8.9986e+00	8.9986e+00	4e-03	1e-03	2e-15	1e-04
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9448e+00	4.9522e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7943e+00	7.7966e+00	1e+00	5e-01	1e-15	3e-02
3:	8.3941e+00	8.3946e+00	3e-01	9e-02	9e-16	6e-03
4:	8.5221e+00	8.5222e+00	4e-02	1e-02	1e-15	1e-03
5:	8.5368e+00	8.5368e+00	9e-03	3e-03	1e-14	2e-04
6:	8.5415e+00	8.5415e+00	1e-04	3e-05	1e-15	3e-06
7:	8.5415e+00	8.5415e+00	1e-06	3e-07	1e-15	3e-08
8:	8.5415e+00	8.5415e+00	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6397e+00	6.6409e+00	6e+00	2e+00	3e-16	2e-01
2:	8.8606e+00	8.8607e+00	5e-01	2e-01	2e-15	1e-02
3:	8.9986e+00	8.9986e+00	5e-03	2e-03	1e-15	1e-04
4:	9.0000e+00	9.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	9.0000e+00	9.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7628e+00	6.7655e+00	5e+00	2e+00	3e-16	1e-01
2:	8.8643e+00	8.8646e+00	4e-01	1e-01	2e-15	1e-02
3:	8.9984e+00	8.9984e+00	5e-03	2e-03	2e-15	1e-04
4:	9.0000e+00	9.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5948e+00	5.5975e+00	7e+00	2e+00	1e-15	2e-01
2:	8.4293e+00	8.4302e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9683e+00	8.9685e+00	1e-01	4e-02	4e-15	3e-03
4:	8.9997e+00	8.9997e+00	1e-03	4e-04	1e-15	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	1e-15	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5492e+00	6.5513e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7683e+00	8.7687e+00	8e-01	3e-01	2e-15	2e-02
3:	8.9973e+00	8.9973e+00	9e-03	3e-03	2e-15	2e-04
4:	9.0000e+00	9.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2148e+00	6.2218e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3008e+00	9.3026e+00	1e+00	3e-01	3e-15	2e-02
3:	9.7663e+00	9.7667e+00	2e-01	7e-02	1e-15	5e-03

4:	9.8702e+00	9.8703e+00	2e-02	6e-03	1e-15	5e-04
5:	9.8785e+00	9.8785e+00	9e-04	3e-04	5e-15	2e-05
6:	9.8789e+00	9.8789e+00	9e-06	3e-06	1e-15	2e-07
7:	9.8789e+00	9.8789e+00	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2092e+00	6.2123e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5103e+00	9.5112e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9762e+00	9.9763e+00	6e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	6e-04	2e-04	8e-16	1e-05
5:	1.0000e+01	1.0000e+01	6e-06	2e-06	6e-16	1e-07
6:	1.0000e+01	1.0000e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9770e+00	4.9859e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6059e+00	8.6084e+00	1e+00	4e-01	2e-15	3e-02
3:	9.1370e+00	9.1378e+00	3e-01	9e-02	8e-16	7e-03
4:	9.2101e+00	9.2105e+00	1e-01	3e-02	2e-15	2e-03
5:	9.2523e+00	9.2523e+00	1e-03	4e-04	8e-16	3e-05
6:	9.2528e+00	9.2528e+00	1e-05	4e-06	5e-16	3e-07
7:	9.2528e+00	9.2528e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7548e+00	5.7658e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5567e+00	9.5592e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9537e+00	9.9545e+00	2e-01	7e-02	4e-15	5e-03
4:	9.9989e+00	9.9989e+00	4e-03	1e-03	4e-15	9e-05
5:	1.0000e+01	1.0000e+01	4e-05	1e-05	3e-15	9e-07
6:	1.0000e+01	1.0000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7146e+00	5.7206e+00	7e+00	2e+00	4e-16	2e-01
2:	9.6152e+00	9.6165e+00	1e+00	3e-01	3e-15	2e-02
3:	9.9589e+00	9.9592e+00	1e-01	3e-02	5e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	3e-04	8e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	9e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3745e+00	6.3819e+00	7e+00	2e+00	4e-16	2e-01
2:	9.6197e+00	9.6214e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9872e+00	9.9872e+00	4e-02	1e-02	2e-15	8e-04
4:	9.9999e+00	9.9999e+00	4e-04	1e-04	1e-15	8e-06

5:	1.0000e+01	1.0000e+01	4e-06	1e-06	6e-16	8e-08
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5768e+00	5.5878e+00	8e+00	2e+00	6e-16	2e-01
2:	9.5289e+00	9.5317e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9470e+00	9.9475e+00	1e-01	4e-02	3e-15	3e-03
4:	9.9995e+00	9.9995e+00	1e-03	4e-04	9e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	8e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0549e+00	6.0599e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3689e+00	9.3706e+00	1e+00	5e-01	1e-15	3e-02
3:	9.9358e+00	9.9361e+00	2e-01	7e-02	1e-15	5e-03
4:	9.9922e+00	9.9922e+00	2e-02	6e-03	1e-14	5e-04
5:	9.9999e+00	9.9999e+00	2e-04	6e-05	2e-15	5e-06
6:	1.0000e+01	1.0000e+01	2e-06	6e-07	1e-15	5e-08
7:	1.0000e+01	1.0000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4110e+00	6.4168e+00	6e+00	2e+00	3e-16	1e-01
2:	9.2801e+00	9.2816e+00	1e+00	3e-01	1e-15	2e-02
3:	9.8819e+00	9.8822e+00	2e-01	5e-02	1e-15	4e-03
4:	9.9457e+00	9.9457e+00	1e-02	3e-03	4e-15	2e-04
5:	9.9498e+00	9.9498e+00	1e-04	3e-05	5e-15	3e-06
6:	9.9499e+00	9.9499e+00	1e-06	3e-07	6e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6834e+00	6.6853e+00	7e+00	2e+00	4e-16	2e-01
2:	9.2541e+00	9.2549e+00	2e+00	7e-01	1e-15	5e-02
3:	9.9674e+00	9.9675e+00	1e-01	3e-02	2e-15	2e-03
4:	9.9997e+00	9.9997e+00	1e-03	3e-04	5e-16	2e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	5e-16	2e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6429e+00	5.6469e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4055e+00	9.4065e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9083e+00	9.9086e+00	2e-01	8e-02	1e-15	6e-03
4:	9.9768e+00	9.9769e+00	7e-02	2e-02	2e-14	2e-03
5:	9.9996e+00	9.9996e+00	1e-03	4e-04	8e-15	3e-05
6:	1.0000e+01	1.0000e+01	1e-05	4e-06	5e-15	3e-07



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7: 1.0000e+01 1.0000e+01 1e-07 4e-08 2e-14 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.7037e+00 5.7090e+00 7e+00 2e+00 2e-16 2e-01
2: 9.1699e+00 9.1722e+00 2e+00 7e-01 2e-15 5e-02
3: 9.9376e+00 9.9382e+00 2e-01 6e-02 2e-15 5e-03
4: 9.9994e+00 9.9994e+00 2e-03 6e-04 4e-16 5e-05
5: 1.0000e+01 1.0000e+01 2e-05 6e-06 5e-16 5e-07
6: 1.0000e+01 1.0000e+01 2e-07 6e-08 4e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.6677e+00 5.6686e+00 6e+00 2e+00 2e-16 1e-01
2: 8.8300e+00 8.8303e+00 1e+00 3e-01 1e-15 3e-02
3: 9.3681e+00 9.3681e+00 1e-01 4e-02 8e-16 3e-03
4: 9.4430e+00 9.4430e+00 2e-03 8e-04 1e-15 6e-05
5: 9.4442e+00 9.4442e+00 3e-04 9e-05 5e-14 7e-06
6: 9.4443e+00 9.4443e+00 5e-06 1e-06 8e-13 1e-07
7: 9.4443e+00 9.4443e+00 5e-08 1e-08 1e-13 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.3398e+00 7.3415e+00 6e+00 2e+00 3e-16 1e-01
2: 9.8599e+00 9.8600e+00 4e-01 1e-01 2e-15 1e-02
3: 9.9986e+00 9.9986e+00 4e-03 1e-03 1e-15 1e-04
4: 1.0000e+01 1.0000e+01 4e-05 1e-05 7e-16 1e-06
5: 1.0000e+01 1.0000e+01 4e-07 1e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 5.2562e+00 5.2622e+00 8e+00 2e+00 2e-16 2e-01
2: 8.4768e+00 8.4787e+00 1e+00 5e-01 1e-15 3e-02
3: 9.0738e+00 9.0743e+00 3e-01 8e-02 1e-15 6e-03
4: 9.1941e+00 9.1942e+00 3e-02 9e-03 1e-15 7e-04
5: 9.2091e+00 9.2092e+00 4e-04 1e-04 1e-15 9e-06
6: 9.2094e+00 9.2094e+00 4e-06 1e-06 1e-15 9e-08
7: 9.2094e+00 9.2094e+00 4e-08 1e-08 1e-15 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.5008e+00 6.5059e+00 7e+00 2e+00 4e-16 2e-01
2: 9.5789e+00 9.5802e+00 1e+00 3e-01 1e-15 3e-02
3: 9.9477e+00 9.9481e+00 2e-01 5e-02 3e-15 4e-03
4: 9.9994e+00 9.9994e+00 2e-03 6e-04 7e-16 5e-05
5: 1.0000e+01 1.0000e+01 2e-05 6e-06 9e-16 5e-07
6: 1.0000e+01 1.0000e+01 2e-07 6e-08 8e-16 5e-09
Optimal solution found.

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	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7025e+00	6.7075e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6158e+00	9.6171e+00	1e+00	4e-01	3e-15	3e-02
3:	9.9763e+00	9.9764e+00	6e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	6e-04	2e-04	6e-16	1e-05
5:	1.0000e+01	1.0000e+01	6e-06	2e-06	5e-16	1e-07
6:	1.0000e+01	1.0000e+01	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9920e+00	6.9947e+00	7e+00	2e+00	6e-16	2e-01
2:	9.7289e+00	9.7294e+00	9e-01	3e-01	1e-15	2e-02
3:	9.9969e+00	9.9969e+00	1e-02	3e-03	2e-15	2e-04
4:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1221e+00	6.1340e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4417e+00	9.4453e+00	2e+00	5e-01	3e-15	4e-02
3:	9.9827e+00	9.9829e+00	6e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	6e-04	2e-04	6e-16	1e-05
5:	1.0000e+01	1.0000e+01	6e-06	2e-06	9e-16	1e-07
6:	1.0000e+01	1.0000e+01	6e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8196e+00	6.8234e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7164e+00	9.7170e+00	9e-01	3e-01	1e-15	2e-02
3:	9.9954e+00	9.9954e+00	1e-02	4e-03	1e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7196e+00	6.7232e+00	7e+00	2e+00	1e-15	2e-01
2:	9.6102e+00	9.6112e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9834e+00	9.9834e+00	4e-02	1e-02	3e-15	1e-03
4:	9.9998e+00	9.9998e+00	4e-04	1e-04	1e-15	1e-05
5:	1.0000e+01	1.0000e+01	4e-06	1e-06	2e-15	1e-07
6:	1.0000e+01	1.0000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0962e+00	7.0992e+00	6e+00	2e+00	3e-16	2e-01
2:	9.7333e+00	9.7339e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9967e+00	9.9967e+00	1e-02	3e-03	1e-15	2e-04

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4:  1.0000e+01  1.0000e+01  1e-04  3e-05  1e-15  2e-06
5:  1.0000e+01  1.0000e+01  1e-06  3e-07  1e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.2750e+00  5.2794e+00  7e+00  2e+00  2e-16  2e-01
2:  9.0902e+00  9.0914e+00  1e+00  4e-01  1e-15  3e-02
3:  9.5541e+00  9.5546e+00  4e-01  1e-01  1e-15  8e-03
4:  9.7047e+00  9.7048e+00  6e-02  2e-02  9e-16  2e-03
5:  9.7316e+00  9.7316e+00  2e-03  8e-04  8e-15  6e-05
6:  9.7327e+00  9.7327e+00  3e-05  8e-06  2e-15  6e-07
7:  9.7327e+00  9.7327e+00  3e-07  8e-08  2e-15  6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  5.4905e+00  5.4962e+00  7e+00  2e+00  4e-16  2e-01
2:  9.3264e+00  9.3282e+00  1e+00  5e-01  2e-15  3e-02
3:  9.9315e+00  9.9320e+00  3e-01  9e-02  3e-15  7e-03
4:  9.9974e+00  9.9974e+00  7e-03  2e-03  8e-15  2e-04
5:  1.0000e+01  1.0000e+01  7e-05  2e-05  2e-15  2e-06
6:  1.0000e+01  1.0000e+01  7e-07  2e-07  2e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  7.4013e+00  7.4044e+00  6e+00  2e+00  5e-16  1e-01
2:  9.7637e+00  9.7642e+00  7e-01  2e-01  2e-15  2e-02
3:  9.9966e+00  9.9966e+00  1e-02  3e-03  2e-15  2e-04
4:  1.0000e+01  1.0000e+01  1e-04  3e-05  1e-15  2e-06
5:  1.0000e+01  1.0000e+01  1e-06  3e-07  2e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  6.2375e+00  6.2392e+00  7e+00  2e+00  3e-16  2e-01
2:  9.3795e+00  9.3801e+00  2e+00  5e-01  2e-15  4e-02
3:  9.9542e+00  9.9543e+00  2e-01  5e-02  3e-15  4e-03
4:  9.9995e+00  9.9995e+00  2e-03  5e-04  2e-15  4e-05
5:  1.0000e+01  1.0000e+01  2e-05  5e-06  2e-15  4e-07
6:  1.0000e+01  1.0000e+01  2e-07  5e-08  1e-15  4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  6.7216e+00  6.7288e+00  6e+00  2e+00  4e-16  1e-01
2:  9.6551e+00  9.6569e+00  1e+00  4e-01  2e-15  3e-02
3:  9.9890e+00  9.9891e+00  3e-02  9e-03  2e-15  7e-04
4:  9.9999e+00  9.9999e+00  3e-04  9e-05  8e-16  7e-06
5:  1.0000e+01  1.0000e+01  3e-06  9e-07  1e-15  7e-08
6:  1.0000e+01  1.0000e+01  3e-08  9e-09  1e-15  7e-10
Optimal solution found.

```

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0766e+00	7.0806e+00	6e+00	2e+00	3e-16	1e-01
2:	9.6494e+00	9.6503e+00	1e+00	3e-01	2e-15	3e-02
3:	9.9927e+00	9.9927e+00	2e-02	6e-03	2e-15	4e-04
4:	9.9999e+00	9.9999e+00	2e-04	6e-05	1e-15	4e-06
5:	1.0000e+01	1.0000e+01	2e-06	6e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0347e+00	6.0365e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6747e+00	9.6751e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9501e+00	9.9503e+00	2e-01	5e-02	6e-15	4e-03
4:	9.9993e+00	9.9993e+00	2e-03	7e-04	2e-15	6e-05
5:	1.0000e+01	1.0000e+01	2e-05	7e-06	2e-15	6e-07
6:	1.0000e+01	1.0000e+01	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9821e+00	5.9885e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6150e+00	9.6166e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9787e+00	9.9788e+00	7e-02	2e-02	2e-15	2e-03
4:	9.9998e+00	9.9998e+00	7e-04	2e-04	1e-15	2e-05
5:	1.0000e+01	1.0000e+01	7e-06	2e-06	1e-15	2e-07
6:	1.0000e+01	1.0000e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0844e+00	7.0877e+00	6e+00	2e+00	3e-16	1e-01
2:	9.6653e+00	9.6660e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9951e+00	9.9951e+00	1e-02	4e-03	2e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6718e+00	5.6809e+00	7e+00	2e+00	3e-16	1e-01
2:	9.5149e+00	9.5174e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9172e+00	9.9179e+00	3e-01	1e-01	2e-15	7e-03
4:	9.9754e+00	9.9757e+00	7e-02	2e-02	5e-15	2e-03
5:	9.9997e+00	9.9997e+00	8e-04	2e-04	8e-16	2e-05
6:	1.0000e+01	1.0000e+01	8e-06	2e-06	1e-15	2e-07
7:	1.0000e+01	1.0000e+01	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5769e+00	6.5821e+00	6e+00	2e+00	2e-16	1e-01
2:	9.4630e+00	9.4647e+00	2e+00	5e-01	3e-15	4e-02

3:	9.9749e+00	9.9751e+00	7e-02	2e-02	2e-15	2e-03
4:	9.9997e+00	9.9998e+00	7e-04	2e-04	5e-16	2e-05
5:	1.0000e+01	1.0000e+01	7e-06	2e-06	7e-16	2e-07
6:	1.0000e+01	1.0000e+01	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8759e+00	5.8784e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1536e+00	9.1542e+00	1e+00	3e-01	2e-15	3e-02
3:	9.6492e+00	9.6494e+00	2e-01	7e-02	2e-15	5e-03
4:	9.7373e+00	9.7373e+00	3e-02	1e-02	3e-15	8e-04
5:	9.7551e+00	9.7551e+00	5e-04	2e-04	2e-15	1e-05
6:	9.7554e+00	9.7554e+00	5e-06	2e-06	9e-16	1e-07
7:	9.7554e+00	9.7554e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2946e+00	7.2963e+00	6e+00	2e+00	3e-16	2e-01
2:	9.6920e+00	9.6923e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9963e+00	9.9963e+00	1e-02	3e-03	1e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9417e+00	4.9448e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7969e+00	8.7978e+00	1e+00	4e-01	2e-15	3e-02
3:	9.0557e+00	9.0562e+00	5e-01	2e-01	4e-15	1e-02
4:	9.2694e+00	9.2696e+00	1e-01	5e-02	2e-15	4e-03
5:	9.3244e+00	9.3245e+00	3e-02	9e-03	7e-16	7e-04
6:	9.3373e+00	9.3373e+00	1e-03	4e-04	1e-15	3e-05
7:	9.3379e+00	9.3379e+00	1e-05	4e-06	9e-16	3e-07
8:	9.3379e+00	9.3379e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9063e+00	6.9078e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7117e+00	9.7121e+00	1e+00	3e-01	2e-15	3e-02
3:	9.9961e+00	9.9961e+00	1e-02	4e-03	1e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	8e-16	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2373e+00	6.2438e+00	7e+00	2e+00	4e-16	2e-01
2:	9.5820e+00	9.5840e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9396e+00	9.9401e+00	2e-01	5e-02	2e-15	4e-03
4:	9.9994e+00	9.9994e+00	2e-03	5e-04	7e-16	4e-05

5:	1.0000e+01	1.0000e+01	2e-05	5e-06	5e-16	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5087e+00	7.5110e+00	6e+00	2e+00	2e-16	1e-01
2:	9.8508e+00	9.8510e+00	4e-01	1e-01	2e-15	1e-02
3:	9.9985e+00	9.9985e+00	4e-03	1e-03	1e-15	1e-04
4:	1.0000e+01	1.0000e+01	4e-05	1e-05	1e-15	1e-06
5:	1.0000e+01	1.0000e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1263e+00	6.1321e+00	7e+00	2e+00	4e-16	2e-01
2:	9.7158e+00	9.7173e+00	1e+00	3e-01	1e-15	2e-02
3:	9.9252e+00	9.9256e+00	2e-01	6e-02	3e-15	4e-03
4:	9.9992e+00	9.9992e+00	2e-03	6e-04	6e-16	5e-05
5:	1.0000e+01	1.0000e+01	2e-05	6e-06	6e-16	5e-07
6:	1.0000e+01	1.0000e+01	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5224e+00	5.5300e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1342e+00	9.1368e+00	2e+00	5e-01	2e-15	4e-02
3:	9.7868e+00	9.7873e+00	3e-01	9e-02	8e-16	7e-03
4:	9.9279e+00	9.9280e+00	5e-02	1e-02	2e-15	1e-03
5:	9.9428e+00	9.9428e+00	8e-03	3e-03	2e-14	2e-04
6:	9.9472e+00	9.9472e+00	2e-04	7e-05	4e-15	5e-06
7:	9.9473e+00	9.9473e+00	2e-06	7e-07	5e-15	5e-08
8:	9.9473e+00	9.9473e+00	2e-08	7e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1556e+00	5.1573e+00	7e+00	2e+00	3e-16	2e-01
2:	8.2733e+00	8.2739e+00	1e+00	4e-01	7e-16	3e-02
3:	8.8461e+00	8.8462e+00	2e-01	7e-02	8e-16	5e-03
4:	8.9586e+00	8.9586e+00	2e-02	8e-03	8e-16	6e-04
5:	8.9693e+00	8.9693e+00	3e-03	1e-03	3e-15	8e-05
6:	8.9709e+00	8.9709e+00	5e-05	2e-05	6e-15	1e-06
7:	8.9709e+00	8.9709e+00	5e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6981e+00	6.6995e+00	7e+00	2e+00	4e-16	2e-01
2:	9.5660e+00	9.5662e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9753e+00	9.9753e+00	6e-02	2e-02	5e-15	1e-03
4:	9.9998e+00	9.9998e+00	6e-04	2e-04	8e-16	1e-05
5:	1.0000e+01	1.0000e+01	6e-06	2e-06	7e-16	1e-07

6: 1.0000e+01 1.0000e+01 6e-08 2e-08 6e-16 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5598e+00	6.5655e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7047e+00	9.7058e+00	1e+00	3e-01	3e-15	2e-02
3:	9.9909e+00	9.9909e+00	2e-02	7e-03	2e-15	5e-04
4:	9.9999e+00	9.9999e+00	2e-04	7e-05	8e-16	5e-06
5:	1.0000e+01	1.0000e+01	2e-06	7e-07	8e-16	5e-08
6:	1.0000e+01	1.0000e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.8117e+00	4.8192e+00	8e+00	2e+00	2e-16	2e-01
2:	8.5836e+00	8.5858e+00	1e+00	4e-01	2e-15	3e-02
3:	9.0341e+00	9.0347e+00	3e-01	1e-01	1e-15	8e-03
4:	9.2140e+00	9.2140e+00	2e-02	7e-03	7e-16	5e-04
5:	9.2233e+00	9.2233e+00	2e-04	7e-05	6e-16	5e-06
6:	9.2234e+00	9.2234e+00	2e-06	7e-07	6e-16	5e-08
7:	9.2234e+00	9.2234e+00	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8292e+00	5.8354e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6744e+00	9.6759e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9561e+00	9.9564e+00	1e-01	4e-02	3e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	4e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.5625e+00	4.5744e+00	8e+00	2e+00	3e-16	2e-01
2:	8.1690e+00	8.1727e+00	2e+00	5e-01	1e-15	4e-02
3:	8.8033e+00	8.8042e+00	3e-01	1e-01	9e-16	7e-03
4:	8.9684e+00	8.9685e+00	3e-02	1e-02	7e-16	7e-04
5:	8.9812e+00	8.9812e+00	2e-03	7e-04	1e-14	6e-05
6:	8.9822e+00	8.9822e+00	7e-05	2e-05	5e-14	2e-06
7:	8.9822e+00	8.9822e+00	7e-07	2e-07	1e-13	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8987e+00	7.8995e+00	5e+00	1e+00	3e-16	1e-01
2:	9.9193e+00	9.9193e+00	2e-01	6e-02	3e-15	5e-03
3:	9.9992e+00	9.9992e+00	2e-03	6e-04	2e-15	5e-05
4:	1.0000e+01	1.0000e+01	2e-05	6e-06	1e-15	5e-07
5:	1.0000e+01	1.0000e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5444e+00	5.5461e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1392e+00	9.1400e+00	2e+00	6e-01	1e-15	5e-02
3:	9.9210e+00	9.9212e+00	3e-01	1e-01	2e-15	8e-03
4:	9.9985e+00	9.9985e+00	5e-03	2e-03	3e-15	1e-04
5:	1.0000e+01	1.0000e+01	5e-05	2e-05	2e-15	1e-06
6:	1.0000e+01	1.0000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5570e+00	7.5591e+00	6e+00	2e+00	4e-16	1e-01
2:	9.8750e+00	9.8752e+00	3e-01	1e-01	3e-15	8e-03
3:	9.9987e+00	9.9987e+00	3e-03	1e-03	1e-15	8e-05
4:	1.0000e+01	1.0000e+01	3e-05	1e-05	1e-15	8e-07
5:	1.0000e+01	1.0000e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4287e+00	6.4333e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0514e+01	1.0515e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0878e+01	1.0879e+01	3e-01	9e-02	4e-15	7e-03
4:	1.0999e+01	1.0999e+01	4e-03	1e-03	5e-16	9e-05
5:	1.1000e+01	1.1000e+01	4e-05	1e-05	8e-16	9e-07
6:	1.1000e+01	1.1000e+01	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2519e+00	8.2541e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0713e+01	1.0713e+01	7e-01	2e-01	2e-15	2e-02
3:	1.0997e+01	1.0997e+01	9e-03	3e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	9e-05	3e-05	2e-15	2e-06
5:	1.1000e+01	1.1000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0949e+00	7.1031e+00	7e+00	2e+00	3e-16	1e-01
2:	1.0489e+01	1.0491e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0959e+01	1.0959e+01	1e-01	3e-02	4e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	3e-04	4e-16	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	3e-06	5e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9019e+00	5.9072e+00	7e+00	2e+00	2e-16	2e-01
2:	9.4541e+00	9.4559e+00	1e+00	5e-01	1e-15	3e-02
3:	1.0014e+01	1.0014e+01	4e-01	1e-01	8e-16	9e-03



4:	1.0198e+01	1.0198e+01	8e-03	3e-03	6e-16	2e-04
5:	1.0202e+01	1.0202e+01	8e-05	3e-05	4e-16	2e-06
6:	1.0202e+01	1.0202e+01	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4486e+00	7.4522e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0128e+01	1.0129e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0737e+01	1.0737e+01	2e-01	7e-02	1e-15	5e-03
4:	1.0838e+01	1.0838e+01	3e-02	9e-03	2e-15	7e-04
5:	1.0856e+01	1.0856e+01	7e-04	2e-04	1e-15	2e-05
6:	1.0856e+01	1.0856e+01	7e-06	2e-06	1e-15	2e-07
7:	1.0856e+01	1.0856e+01	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8250e+00	6.8292e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0538e+01	1.0539e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0952e+01	1.0953e+01	2e-01	5e-02	2e-15	4e-03
4:	1.0998e+01	1.0998e+01	4e-03	1e-03	5e-15	1e-04
5:	1.1000e+01	1.1000e+01	4e-05	1e-05	2e-15	1e-06
6:	1.1000e+01	1.1000e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6991e+00	6.7050e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0395e+01	1.0397e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0954e+01	1.0955e+01	1e-01	3e-02	2e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	4e-04	6e-16	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	5e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8737e+00	6.8827e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0572e+01	1.0574e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0993e+01	1.0993e+01	2e-02	6e-03	2e-15	4e-04
4:	1.1000e+01	1.1000e+01	2e-04	6e-05	1e-15	4e-06
5:	1.1000e+01	1.1000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.1000e+01	1.1000e+01	2e-08	6e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3152e+00	6.3221e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0307e+01	1.0309e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0874e+01	1.0874e+01	2e-01	7e-02	1e-15	5e-03
4:	1.0986e+01	1.0986e+01	5e-02	1e-02	3e-15	1e-03
5:	1.0997e+01	1.0997e+01	6e-03	2e-03	6e-14	1e-04

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6:  1.1000e+01  1.1000e+01  6e-05  2e-05  4e-15  1e-06
7:  1.1000e+01  1.1000e+01  6e-07  2e-07  5e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  7.8708e+00  7.8738e+00  6e+00  2e+00  4e-16  1e-01
2:  1.0728e+01  1.0728e+01  9e-01  3e-01  1e-15  2e-02
3:  1.0992e+01  1.0992e+01  2e-02  7e-03  2e-15  5e-04
4:  1.1000e+01  1.1000e+01  2e-04  7e-05  8e-16  5e-06
5:  1.1000e+01  1.1000e+01  2e-06  7e-07  2e-15  5e-08
6:  1.1000e+01  1.1000e+01  2e-08  7e-09  2e-15  5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  6.3418e+00  6.3491e+00  7e+00  2e+00  3e-16  2e-01
2:  9.9371e+00  9.9393e+00  1e+00  4e-01  2e-15  3e-02
3:  1.0496e+01  1.0497e+01  5e-01  2e-01  1e-15  1e-02
4:  1.0687e+01  1.0687e+01  1e-01  3e-02  1e-15  2e-03
5:  1.0730e+01  1.0730e+01  1e-02  5e-03  2e-15  3e-04
6:  1.0737e+01  1.0737e+01  4e-04  1e-04  3e-15  9e-06
7:  1.0737e+01  1.0737e+01  4e-06  1e-06  6e-15  9e-08
8:  1.0737e+01  1.0737e+01  4e-08  1e-08  6e-15  9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  7.6068e+00  7.6114e+00  6e+00  2e+00  4e-16  1e-01
2:  1.0608e+01  1.0609e+01  1e+00  4e-01  1e-15  3e-02
3:  1.0982e+01  1.0982e+01  4e-02  1e-02  2e-15  1e-03
4:  1.1000e+01  1.1000e+01  4e-04  1e-04  9e-16  1e-05
5:  1.1000e+01  1.1000e+01  4e-06  1e-06  1e-15  1e-07
6:  1.1000e+01  1.1000e+01  4e-08  1e-08  8e-16  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  6.2063e+00  6.2119e+00  8e+00  2e+00  3e-16  2e-01
2:  1.0078e+01  1.0080e+01  1e+00  4e-01  2e-15  3e-02
3:  1.0694e+01  1.0694e+01  2e-01  5e-02  4e-15  4e-03
4:  1.0741e+01  1.0741e+01  3e-02  9e-03  1e-14  7e-04
5:  1.0757e+01  1.0757e+01  2e-03  6e-04  1e-15  4e-05
6:  1.0758e+01  1.0758e+01  2e-05  6e-06  2e-15  4e-07
7:  1.0758e+01  1.0758e+01  2e-07  6e-08  2e-15  4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  6.1644e+00  6.1663e+00  7e+00  2e+00  3e-16  2e-01
2:  9.5092e+00  9.5100e+00  2e+00  6e-01  2e-15  4e-02
3:  1.0237e+01  1.0238e+01  5e-01  2e-01  8e-16  1e-02
4:  1.0436e+01  1.0436e+01  8e-02  3e-02  1e-15  2e-03

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5:	1.0477e+01	1.0477e+01	4e-03	1e-03	9e-16	1e-04
6:	1.0479e+01	1.0479e+01	4e-05	1e-05	7e-16	1e-06
7:	1.0479e+01	1.0479e+01	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7238e+00	5.7295e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3015e+00	9.3030e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9137e+00	9.9141e+00	3e-01	8e-02	9e-16	6e-03
4:	1.0019e+01	1.0019e+01	2e-02	7e-03	2e-15	6e-04
5:	1.0028e+01	1.0028e+01	2e-03	7e-04	5e-15	5e-05
6:	1.0029e+01	1.0029e+01	2e-05	7e-06	1e-15	5e-07
7:	1.0029e+01	1.0029e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1972e+00	7.2029e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0463e+01	1.0465e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0959e+01	1.0959e+01	1e-01	5e-02	2e-15	4e-03
4:	1.0999e+01	1.0999e+01	2e-03	6e-04	2e-15	5e-05
5:	1.1000e+01	1.1000e+01	2e-05	6e-06	2e-15	5e-07
6:	1.1000e+01	1.1000e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2100e+00	4.2128e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6484e+00	7.6492e+00	1e+00	4e-01	1e-15	3e-02
3:	8.3744e+00	8.3744e+00	1e-01	4e-02	7e-16	3e-03
4:	8.4406e+00	8.4406e+00	1e-03	4e-04	8e-16	3e-05
5:	8.4413e+00	8.4413e+00	1e-05	4e-06	7e-16	3e-07
6:	8.4413e+00	8.4413e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4488e+00	5.4599e+00	8e+00	2e+00	3e-16	2e-01
2:	9.2956e+00	9.2985e+00	1e+00	4e-01	2e-15	3e-02
3:	9.8809e+00	9.8815e+00	2e-01	6e-02	6e-16	4e-03
4:	9.9859e+00	9.9860e+00	1e-02	4e-03	1e-15	3e-04
5:	9.9912e+00	9.9912e+00	1e-03	4e-04	2e-14	3e-05
6:	9.9918e+00	9.9918e+00	2e-05	8e-06	5e-14	6e-07
7:	9.9918e+00	9.9918e+00	2e-07	8e-08	3e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1617e+00	7.1679e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0261e+01	1.0263e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0942e+01	1.0942e+01	2e-01	6e-02	3e-15	4e-03
4:	1.0999e+01	1.0999e+01	2e-03	6e-04	9e-16	4e-05

5:	1.1000e+01	1.1000e+01	2e-05	6e-06	1e-15	4e-07
6:	1.1000e+01	1.1000e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3476e+00	7.3515e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0441e+01	1.0441e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0964e+01	1.0964e+01	8e-02	3e-02	4e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	3e-04	1e-15	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	3e-06	1e-15	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2417e+00	6.2479e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6373e+00	9.6398e+00	2e+00	6e-01	1e-15	5e-02
3:	1.0280e+01	1.0281e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0569e+01	1.0569e+01	1e-01	4e-02	1e-15	3e-03
5:	1.0616e+01	1.0616e+01	4e-02	1e-02	1e-15	9e-04
6:	1.0632e+01	1.0632e+01	2e-03	7e-04	4e-15	5e-05
7:	1.0633e+01	1.0633e+01	2e-05	7e-06	7e-16	5e-07
8:	1.0633e+01	1.0633e+01	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3629e+00	6.3707e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0150e+01	1.0152e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0775e+01	1.0775e+01	2e-01	8e-02	1e-15	6e-03
4:	1.0870e+01	1.0870e+01	6e-02	2e-02	6e-15	1e-03
5:	1.0896e+01	1.0896e+01	5e-03	2e-03	3e-15	1e-04
6:	1.0899e+01	1.0899e+01	5e-05	2e-05	2e-15	1e-06
7:	1.0899e+01	1.0899e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9904e+00	7.9926e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0869e+01	1.0869e+01	4e-01	1e-01	2e-15	9e-03
3:	1.0999e+01	1.0999e+01	4e-03	1e-03	8e-16	9e-05
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	1e-15	9e-07
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8814e+00	6.8856e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0584e+01	1.0585e+01	1e+00	3e-01	3e-15	3e-02
3:	1.0955e+01	1.0955e+01	1e-01	5e-02	3e-15	3e-03
4:	1.0999e+01	1.0999e+01	2e-03	6e-04	4e-15	4e-05
5:	1.1000e+01	1.1000e+01	2e-05	6e-06	2e-15	4e-07

6: 1.1000e+01 1.1000e+01 2e-07 6e-08 3e-15 4e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5647e+00	5.5753e+00	8e+00	2e+00	2e-16	2e-01
2:	7.7623e+00	7.7678e+00	3e+00	9e-01	1e-15	6e-02
3:	8.8918e+00	8.8932e+00	6e-01	2e-01	6e-16	1e-02
4:	9.1329e+00	9.1333e+00	1e-01	3e-02	9e-16	2e-03
5:	9.1795e+00	9.1795e+00	8e-03	3e-03	7e-16	2e-04
6:	9.1830e+00	9.1830e+00	8e-05	3e-05	2e-15	2e-06
7:	9.1830e+00	9.1830e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2620e+00	6.2718e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4982e+00	9.5014e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0421e+01	1.0421e+01	3e-01	9e-02	1e-15	6e-03
4:	1.0580e+01	1.0580e+01	7e-03	2e-03	1e-15	2e-04
5:	1.0584e+01	1.0584e+01	7e-05	2e-05	1e-15	2e-06
6:	1.0584e+01	1.0584e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6777e+00	7.6806e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0771e+01	1.0771e+01	7e-01	2e-01	9e-16	2e-02
3:	1.0998e+01	1.0998e+01	7e-03	2e-03	1e-15	2e-04
4:	1.1000e+01	1.1000e+01	7e-05	2e-05	7e-16	2e-06
5:	1.1000e+01	1.1000e+01	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1062e+00	8.1088e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0607e+01	1.0608e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0994e+01	1.0994e+01	1e-02	5e-03	3e-15	4e-04
4:	1.1000e+01	1.1000e+01	1e-04	5e-05	1e-15	4e-06
5:	1.1000e+01	1.1000e+01	1e-06	5e-07	1e-15	4e-08
6:	1.1000e+01	1.1000e+01	1e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9574e+00	7.9596e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0631e+01	1.0631e+01	1e+00	3e-01	3e-15	2e-02
3:	1.0993e+01	1.0993e+01	2e-02	6e-03	3e-15	4e-04
4:	1.1000e+01	1.1000e+01	2e-04	6e-05	1e-15	4e-06
5:	1.1000e+01	1.1000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.1000e+01	1.1000e+01	2e-08	6e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9655e+00	7.9688e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0567e+01	1.0568e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0989e+01	1.0989e+01	3e-02	8e-03	3e-15	6e-04
4:	1.1000e+01	1.1000e+01	3e-04	8e-05	9e-16	6e-06
5:	1.1000e+01	1.1000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.1000e+01	1.1000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9751e+00	6.9780e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0413e+01	1.0414e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0977e+01	1.0977e+01	6e-02	2e-02	4e-15	1e-03
4:	1.1000e+01	1.1000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.1000e+01	1.1000e+01	6e-06	2e-06	8e-16	1e-07
6:	1.1000e+01	1.1000e+01	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9675e+00	6.9750e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0519e+01	1.0521e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0965e+01	1.0965e+01	8e-02	3e-02	2e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	3e-04	6e-16	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	3e-06	6e-16	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7428e+00	7.7455e+00	6e+00	2e+00	3e-16	2e-01
2:	1.0488e+01	1.0489e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0992e+01	1.0992e+01	2e-02	7e-03	2e-15	5e-04
4:	1.1000e+01	1.1000e+01	2e-04	7e-05	9e-16	5e-06
5:	1.1000e+01	1.1000e+01	2e-06	7e-07	9e-16	5e-08
6:	1.1000e+01	1.1000e+01	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8607e+00	6.8640e+00	8e+00	2e+00	4e-16	2e-01
2:	9.9132e+00	9.9141e+00	2e+00	5e-01	4e-15	4e-02
3:	1.0618e+01	1.0618e+01	4e-01	1e-01	3e-15	9e-03
4:	1.0803e+01	1.0803e+01	8e-02	2e-02	3e-15	2e-03
5:	1.0837e+01	1.0837e+01	7e-03	2e-03	3e-15	2e-04
6:	1.0841e+01	1.0841e+01	7e-05	2e-05	1e-15	2e-06
7:	1.0841e+01	1.0841e+01	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2119e+00	8.2139e+00	6e+00	2e+00	3e-16	1e-01

2:	1.0615e+01	1.0615e+01	1e+00	3e-01	2e-15	3e-02
3:	1.0989e+01	1.0989e+01	3e-02	8e-03	3e-15	6e-04
4:	1.1000e+01	1.1000e+01	3e-04	8e-05	9e-16	6e-06
5:	1.1000e+01	1.1000e+01	3e-06	8e-07	7e-16	6e-08
6:	1.1000e+01	1.1000e+01	3e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6277e+00	7.6325e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0636e+01	1.0637e+01	9e-01	3e-01	2e-15	2e-02
3:	1.0977e+01	1.0977e+01	5e-02	2e-02	4e-15	1e-03
4:	1.1000e+01	1.1000e+01	5e-04	2e-04	5e-16	1e-05
5:	1.1000e+01	1.1000e+01	5e-06	2e-06	4e-16	1e-07
6:	1.1000e+01	1.1000e+01	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3620e+00	6.3658e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0170e+01	1.0171e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0723e+01	1.0724e+01	3e-01	1e-01	9e-16	7e-03
4:	1.0876e+01	1.0876e+01	7e-02	2e-02	2e-15	2e-03
5:	1.0906e+01	1.0906e+01	8e-03	3e-03	8e-15	2e-04
6:	1.0910e+01	1.0910e+01	9e-05	3e-05	2e-15	2e-06
7:	1.0910e+01	1.0910e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3871e+00	6.3944e+00	8e+00	2e+00	3e-16	2e-01
2:	9.3787e+00	9.3814e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0571e+01	1.0572e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0833e+01	1.0833e+01	6e-02	2e-02	3e-15	2e-03
5:	1.0861e+01	1.0861e+01	8e-04	3e-04	8e-16	2e-05
6:	1.0861e+01	1.0861e+01	8e-06	3e-06	9e-16	2e-07
7:	1.0861e+01	1.0861e+01	8e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8683e+00	7.8702e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0771e+01	1.0771e+01	7e-01	2e-01	1e-15	2e-02
3:	1.0997e+01	1.0997e+01	7e-03	2e-03	1e-15	2e-04
4:	1.1000e+01	1.1000e+01	7e-05	2e-05	2e-15	2e-06
5:	1.1000e+01	1.1000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9596e+00	7.9621e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0546e+01	1.0546e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0980e+01	1.0980e+01	5e-02	1e-02	4e-15	1e-03

4:	1.1000e+01	1.1000e+01	5e-04	1e-04	6e-16	1e-05
5:	1.1000e+01	1.1000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.1000e+01	1.1000e+01	5e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0284e+00	6.0348e+00	8e+00	2e+00	3e-16	2e-01
2:	9.5585e+00	9.5605e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0576e+01	1.0576e+01	3e-01	1e-01	2e-15	7e-03
4:	1.0683e+01	1.0683e+01	8e-02	3e-02	5e-15	2e-03
5:	1.0727e+01	1.0727e+01	9e-03	3e-03	4e-15	2e-04
6:	1.0731e+01	1.0731e+01	2e-04	7e-05	3e-14	5e-06
7:	1.0731e+01	1.0731e+01	2e-06	7e-07	1e-14	5e-08
8:	1.0731e+01	1.0731e+01	2e-08	7e-09	9e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7725e+00	6.7746e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4677e+00	9.4685e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0400e+01	1.0400e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0682e+01	1.0682e+01	4e-02	1e-02	2e-15	9e-04
5:	1.0702e+01	1.0702e+01	4e-04	1e-04	8e-16	1e-05
6:	1.0702e+01	1.0702e+01	4e-06	1e-06	6e-16	1e-07
7:	1.0702e+01	1.0702e+01	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1201e+00	6.1324e+00	8e+00	3e+00	3e-16	2e-01
2:	9.8028e+00	9.8067e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0877e+01	1.0878e+01	2e-01	7e-02	4e-15	5e-03
4:	1.0982e+01	1.0982e+01	4e-02	1e-02	5e-15	9e-04
5:	1.0999e+01	1.0999e+01	4e-03	1e-03	9e-14	1e-04
6:	1.1000e+01	1.1000e+01	6e-05	2e-05	2e-13	2e-06
7:	1.1000e+01	1.1000e+01	6e-07	2e-07	1e-13	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3664e+00	6.3769e+00	8e+00	2e+00	2e-16	2e-01
2:	9.1585e+00	9.1633e+00	3e+00	8e-01	2e-15	6e-02
3:	1.0267e+01	1.0268e+01	7e-01	2e-01	9e-16	2e-02
4:	1.0505e+01	1.0506e+01	2e-01	7e-02	2e-15	5e-03
5:	1.0610e+01	1.0610e+01	1e-02	4e-03	8e-16	3e-04
6:	1.0616e+01	1.0616e+01	1e-04	4e-05	1e-15	3e-06
7:	1.0616e+01	1.0616e+01	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3991e+00	7.4039e+00	6e+00	2e+00	3e-16	1e-01



2:	1.0443e+01	1.0445e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0972e+01	1.0972e+01	7e-02	2e-02	2e-15	2e-03
4:	1.1000e+01	1.1000e+01	7e-04	2e-04	6e-16	2e-05
5:	1.1000e+01	1.1000e+01	7e-06	2e-06	9e-16	2e-07
6:	1.1000e+01	1.1000e+01	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7037e+00	7.7072e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0747e+01	1.0748e+01	8e-01	2e-01	3e-15	2e-02
3:	1.0996e+01	1.0996e+01	1e-02	3e-03	2e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	3e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0201e+00	6.0231e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1884e+00	9.1895e+00	2e+00	5e-01	1e-15	4e-02
3:	9.7568e+00	9.7571e+00	4e-01	1e-01	2e-15	9e-03
4:	9.9702e+00	9.9703e+00	5e-02	2e-02	9e-16	1e-03
5:	9.9928e+00	9.9928e+00	1e-03	4e-04	2e-15	3e-05
6:	9.9934e+00	9.9934e+00	1e-05	4e-06	3e-15	3e-07
7:	9.9934e+00	9.9934e+00	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7009e+00	5.7135e+00	8e+00	3e+00	3e-16	2e-01
2:	8.8261e+00	8.8303e+00	2e+00	7e-01	1e-15	5e-02
3:	9.5383e+00	9.5392e+00	4e-01	1e-01	1e-15	9e-03
4:	9.7350e+00	9.7353e+00	1e-01	3e-02	8e-16	2e-03
5:	9.7786e+00	9.7786e+00	1e-02	4e-03	8e-16	3e-04
6:	9.7838e+00	9.7838e+00	2e-03	7e-04	7e-16	5e-05
7:	9.7848e+00	9.7848e+00	6e-05	2e-05	2e-15	2e-06
8:	9.7848e+00	9.7848e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7743e+00	6.7797e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0252e+01	1.0254e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0832e+01	1.0833e+01	4e-01	1e-01	1e-15	1e-02
4:	1.0990e+01	1.0990e+01	3e-02	9e-03	6e-15	7e-04
5:	1.1000e+01	1.1000e+01	3e-04	9e-05	7e-16	7e-06
6:	1.1000e+01	1.1000e+01	3e-06	9e-07	8e-16	7e-08
7:	1.1000e+01	1.1000e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3388e+00	8.3406e+00	5e+00	2e+00	3e-16	1e-01

2:	1.0889e+01	1.0889e+01	3e-01	9e-02	2e-15	7e-03
3:	1.0999e+01	1.0999e+01	3e-03	9e-04	1e-15	7e-05
4:	1.1000e+01	1.1000e+01	3e-05	9e-06	2e-15	7e-07
5:	1.1000e+01	1.1000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3023e+00	6.3055e+00	6e+00	2e+00	3e-16	2e-01
2:	9.6958e+00	9.6967e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0255e+01	1.0255e+01	3e-01	8e-02	2e-15	6e-03
4:	1.0344e+01	1.0344e+01	6e-02	2e-02	4e-15	1e-03
5:	1.0376e+01	1.0376e+01	6e-03	2e-03	1e-15	1e-04
6:	1.0378e+01	1.0378e+01	6e-05	2e-05	9e-16	1e-06
7:	1.0378e+01	1.0378e+01	6e-07	2e-07	7e-16	1e-08
8:	1.0378e+01	1.0378e+01	6e-09	2e-09	2e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3731e+00	6.3841e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0699e+01	1.0703e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1358e+01	1.1359e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1526e+01	1.1526e+01	1e-01	3e-02	4e-15	2e-03
5:	1.1544e+01	1.1544e+01	4e-02	1e-02	1e-14	1e-03
6:	1.1550e+01	1.1550e+01	4e-02	1e-02	1e-14	9e-04
7:	1.1563e+01	1.1563e+01	2e-03	7e-04	7e-15	5e-05
8:	1.1564e+01	1.1564e+01	3e-05	8e-06	2e-15	6e-07
9:	1.1564e+01	1.1564e+01	3e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7360e+00	8.7387e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1536e+01	1.1536e+01	1e+00	3e-01	3e-15	3e-02
3:	1.1993e+01	1.1993e+01	2e-02	5e-03	2e-15	4e-04
4:	1.2000e+01	1.2000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.2000e+01	1.2000e+01	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4680e+00	6.4756e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1264e+01	1.1266e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1705e+01	1.1706e+01	4e-01	1e-01	4e-15	9e-03
4:	1.1891e+01	1.1891e+01	7e-02	2e-02	2e-15	2e-03
5:	1.1923e+01	1.1923e+01	1e-03	3e-04	2e-15	2e-05
6:	1.1923e+01	1.1923e+01	1e-05	3e-06	3e-15	2e-07
7:	1.1923e+01	1.1923e+01	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.2838e+00	8.2875e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1676e+01	1.1677e+01	9e-01	3e-01	1e-15	2e-02
3:	1.1946e+01	1.1946e+01	1e-01	4e-02	3e-15	3e-03
4:	1.1999e+01	1.1999e+01	1e-03	4e-04	9e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	1e-15	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0176e+00	9.0189e+00	6e+00	2e+00	5e-16	1e-01
2:	1.1717e+01	1.1717e+01	6e-01	2e-01	2e-15	2e-02
3:	1.1996e+01	1.1996e+01	9e-03	3e-03	2e-15	2e-04
4:	1.2000e+01	1.2000e+01	9e-05	3e-05	2e-15	2e-06
5:	1.2000e+01	1.2000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8578e+00	5.8692e+00	8e+00	3e+00	5e-16	2e-01
2:	8.8790e+00	8.8845e+00	3e+00	9e-01	2e-15	6e-02
3:	1.0121e+01	1.0122e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0312e+01	1.0312e+01	1e-01	3e-02	1e-15	2e-03
5:	1.0361e+01	1.0361e+01	1e-03	4e-04	2e-15	3e-05
6:	1.0362e+01	1.0362e+01	1e-05	4e-06	2e-15	3e-07
7:	1.0362e+01	1.0362e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2086e+00	9.2104e+00	5e+00	2e+00	3e-16	1e-01
2:	1.1788e+01	1.1789e+01	5e-01	2e-01	3e-15	1e-02
3:	1.1997e+01	1.1997e+01	6e-03	2e-03	3e-15	1e-04
4:	1.2000e+01	1.2000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.2000e+01	1.2000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3078e+00	8.3101e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1557e+01	1.1558e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1976e+01	1.1976e+01	5e-02	2e-02	4e-15	1e-03
4:	1.2000e+01	1.2000e+01	5e-04	2e-04	1e-15	1e-05
5:	1.2000e+01	1.2000e+01	5e-06	2e-06	1e-15	1e-07
6:	1.2000e+01	1.2000e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4422e+00	7.4487e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1031e+01	1.1034e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1688e+01	1.1688e+01	3e-01	8e-02	1e-15	6e-03
4:	1.1819e+01	1.1819e+01	5e-02	1e-02	1e-15	1e-03

5:	1.1838e+01	1.1838e+01	9e-03	3e-03	3e-15	2e-04
6:	1.1842e+01	1.1842e+01	2e-04	7e-05	4e-15	5e-06
7:	1.1842e+01	1.1842e+01	2e-06	7e-07	1e-15	5e-08
8:	1.1842e+01	1.1842e+01	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9710e+00	5.9805e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1276e+01	1.1278e+01	1e+00	3e-01	1e-15	2e-02
3:	1.1570e+01	1.1570e+01	3e-01	9e-02	4e-15	7e-03
4:	1.1637e+01	1.1637e+01	1e-01	3e-02	5e-15	2e-03
5:	1.1659e+01	1.1659e+01	2e-02	6e-03	5e-15	4e-04
6:	1.1664e+01	1.1664e+01	3e-03	9e-04	4e-15	7e-05
7:	1.1666e+01	1.1666e+01	3e-05	1e-05	2e-15	8e-07
8:	1.1666e+01	1.1666e+01	3e-07	1e-07	2e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3748e+00	7.3823e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1579e+01	1.1581e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1971e+01	1.1971e+01	7e-02	2e-02	3e-15	2e-03
4:	1.2000e+01	1.2000e+01	7e-04	2e-04	7e-16	2e-05
5:	1.2000e+01	1.2000e+01	7e-06	2e-06	8e-16	2e-07
6:	1.2000e+01	1.2000e+01	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3195e+00	8.3239e+00	6e+00	2e+00	7e-16	1e-01
2:	1.1262e+01	1.1263e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1913e+01	1.1913e+01	2e-01	7e-02	3e-15	5e-03
4:	1.1997e+01	1.1997e+01	7e-03	2e-03	9e-15	2e-04
5:	1.2000e+01	1.2000e+01	7e-05	2e-05	2e-15	2e-06
6:	1.2000e+01	1.2000e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4593e+00	5.4694e+00	8e+00	2e+00	3e-16	2e-01
2:	8.9225e+00	8.9256e+00	2e+00	6e-01	2e-15	4e-02
3:	9.8639e+00	9.8647e+00	5e-01	2e-01	9e-16	1e-02
4:	1.0065e+01	1.0065e+01	1e-01	4e-02	3e-15	3e-03
5:	1.0130e+01	1.0130e+01	2e-03	7e-04	1e-15	5e-05
6:	1.0131e+01	1.0131e+01	2e-05	7e-06	8e-16	5e-07
7:	1.0131e+01	1.0131e+01	2e-07	7e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6549e+00	8.6573e+00	6e+00	2e+00	3e-16	2e-01
2:	1.1633e+01	1.1634e+01	9e-01	3e-01	1e-15	2e-02

3:	1.1996e+01	1.1996e+01	1e-02	3e-03	1e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	3e-05	8e-16	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	3e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7726e+00	6.7870e+00	7e+00	2e+00	4e-16	2e-01
2:	9.5041e+00	9.5100e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0372e+01	1.0372e+01	2e-01	7e-02	8e-16	5e-03
4:	1.0479e+01	1.0479e+01	2e-02	7e-03	9e-16	6e-04
5:	1.0486e+01	1.0486e+01	4e-03	1e-03	4e-15	9e-05
6:	1.0488e+01	1.0488e+01	1e-04	5e-05	8e-15	4e-06
7:	1.0488e+01	1.0488e+01	1e-06	5e-07	3e-14	4e-08
8:	1.0488e+01	1.0488e+01	1e-08	5e-09	2e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3461e+00	7.3510e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1286e+01	1.1287e+01	1e+00	3e-01	2e-15	3e-02
3:	1.1922e+01	1.1922e+01	1e-01	4e-02	9e-16	3e-03
4:	1.1983e+01	1.1983e+01	1e-02	3e-03	5e-15	2e-04
5:	1.1987e+01	1.1987e+01	1e-04	5e-05	2e-14	4e-06
6:	1.1987e+01	1.1987e+01	1e-06	5e-07	2e-14	4e-08
7:	1.1987e+01	1.1987e+01	1e-08	5e-09	2e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3003e+00	8.3031e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1532e+01	1.1533e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1960e+01	1.1960e+01	8e-02	3e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	9e-04	3e-04	1e-15	2e-05
5:	1.2000e+01	1.2000e+01	9e-06	3e-06	9e-16	2e-07
6:	1.2000e+01	1.2000e+01	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8814e+00	8.8840e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1659e+01	1.1660e+01	8e-01	3e-01	2e-15	2e-02
3:	1.1992e+01	1.1992e+01	2e-02	6e-03	1e-15	4e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	9e-16	4e-06
5:	1.2000e+01	1.2000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3050e+00	6.3093e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3427e+00	9.3440e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0264e+01	1.0265e+01	2e-01	7e-02	1e-15	5e-03

4:	1.0370e+01	1.0370e+01	9e-03	3e-03	2e-15	2e-04
5:	1.0375e+01	1.0375e+01	9e-05	3e-05	1e-15	2e-06
6:	1.0375e+01	1.0375e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0574e+00	6.0618e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0196e+01	1.0197e+01	1e+00	3e-01	2e-15	3e-02
3:	1.0773e+01	1.0773e+01	2e-01	6e-02	2e-15	4e-03
4:	1.0824e+01	1.0824e+01	4e-02	1e-02	1e-14	1e-03
5:	1.0848e+01	1.0848e+01	4e-03	1e-03	2e-15	1e-04
6:	1.0850e+01	1.0850e+01	4e-05	1e-05	3e-15	1e-06
7:	1.0850e+01	1.0850e+01	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1992e+00	8.2036e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1525e+01	1.1526e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1985e+01	1.1985e+01	3e-02	1e-02	2e-15	8e-04
4:	1.2000e+01	1.2000e+01	3e-04	1e-04	1e-15	8e-06
5:	1.2000e+01	1.2000e+01	3e-06	1e-06	9e-16	8e-08
6:	1.2000e+01	1.2000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7538e+00	5.7588e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9881e+00	8.9894e+00	1e+00	4e-01	2e-15	3e-02
3:	9.7181e+00	9.7184e+00	2e-01	7e-02	2e-15	5e-03
4:	9.8175e+00	9.8176e+00	5e-02	2e-02	1e-15	1e-03
5:	9.8418e+00	9.8418e+00	7e-03	2e-03	5e-15	2e-04
6:	9.8458e+00	9.8458e+00	8e-05	2e-05	1e-15	2e-06
7:	9.8458e+00	9.8458e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7106e+00	7.7179e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0496e+01	1.0499e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1351e+01	1.1352e+01	7e-01	2e-01	1e-15	2e-02
4:	1.1646e+01	1.1646e+01	8e-02	2e-02	1e-15	2e-03
5:	1.1679e+01	1.1679e+01	1e-02	4e-03	7e-15	3e-04
6:	1.1682e+01	1.1682e+01	2e-03	6e-04	7e-14	4e-05
7:	1.1683e+01	1.1683e+01	1e-04	3e-05	4e-15	2e-06
8:	1.1683e+01	1.1683e+01	1e-06	3e-07	2e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4606e+00	6.4647e+00	7e+00	2e+00	3e-16	2e-01
2:	9.9782e+00	9.9794e+00	2e+00	5e-01	1e-15	4e-02

3:	1.0585e+01	1.0586e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0824e+01	1.0824e+01	9e-02	3e-02	2e-15	2e-03
5:	1.0872e+01	1.0872e+01	3e-03	1e-03	2e-15	8e-05
6:	1.0873e+01	1.0873e+01	3e-05	1e-05	1e-15	8e-07
7:	1.0873e+01	1.0873e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1821e+00	8.1878e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1543e+01	1.1544e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1982e+01	1.1982e+01	4e-02	1e-02	2e-15	9e-04
4:	1.2000e+01	1.2000e+01	4e-04	1e-04	1e-15	9e-06
5:	1.2000e+01	1.2000e+01	4e-06	1e-06	9e-16	9e-08
6:	1.2000e+01	1.2000e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7767e+00	6.7795e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0099e+01	1.0100e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0679e+01	1.0679e+01	2e-01	7e-02	8e-16	5e-03
4:	1.0784e+01	1.0784e+01	2e-02	6e-03	1e-15	5e-04
5:	1.0795e+01	1.0795e+01	5e-04	2e-04	4e-15	1e-05
6:	1.0795e+01	1.0795e+01	6e-06	2e-06	2e-15	1e-07
7:	1.0795e+01	1.0795e+01	6e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4669e+00	8.4706e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1718e+01	1.1719e+01	9e-01	3e-01	2e-15	2e-02
3:	1.1981e+01	1.1981e+01	4e-02	1e-02	3e-15	1e-03
4:	1.2000e+01	1.2000e+01	4e-04	1e-04	6e-16	1e-05
5:	1.2000e+01	1.2000e+01	4e-06	1e-06	7e-16	1e-07
6:	1.2000e+01	1.2000e+01	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.0626e+00	6.0730e+00	8e+00	3e+00	3e-16	2e-01
2:	8.9748e+00	8.9805e+00	3e+00	1e+00	7e-16	7e-02
3:	1.0139e+01	1.0140e+01	7e-01	2e-01	8e-16	2e-02
4:	1.0433e+01	1.0433e+01	1e-01	3e-02	6e-16	2e-03
5:	1.0477e+01	1.0477e+01	2e-03	5e-04	7e-16	4e-05
6:	1.0478e+01	1.0478e+01	2e-05	5e-06	7e-16	4e-07
7:	1.0478e+01	1.0478e+01	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5294e+00	7.5331e+00	7e+00	2e+00	5e-16	2e-01
2:	1.1413e+01	1.1414e+01	1e+00	5e-01	1e-15	3e-02

3:	1.1956e+01	1.1957e+01	1e-01	4e-02	3e-15	3e-03
4:	1.2000e+01	1.2000e+01	1e-03	4e-04	6e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	8e-16	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1983e+00	7.2049e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1095e+01	1.1097e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1908e+01	1.1908e+01	2e-01	6e-02	2e-15	5e-03
4:	1.1992e+01	1.1992e+01	3e-02	1e-02	2e-14	7e-04
5:	1.2000e+01	1.2000e+01	7e-04	2e-04	5e-14	2e-05
6:	1.2000e+01	1.2000e+01	7e-06	2e-06	2e-14	2e-07
7:	1.2000e+01	1.2000e+01	7e-08	2e-08	2e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1852e+00	8.1882e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1118e+01	1.1119e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1923e+01	1.1923e+01	2e-01	6e-02	1e-15	4e-03
4:	1.1984e+01	1.1984e+01	4e-02	1e-02	1e-14	9e-04
5:	1.2000e+01	1.2000e+01	5e-04	2e-04	3e-15	1e-05
6:	1.2000e+01	1.2000e+01	5e-06	2e-06	5e-15	1e-07
7:	1.2000e+01	1.2000e+01	5e-08	2e-08	6e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1068e+00	8.1101e+00	6e+00	2e+00	4e-16	2e-01
2:	1.1302e+01	1.1303e+01	2e+00	5e-01	3e-15	4e-02
3:	1.1969e+01	1.1969e+01	8e-02	2e-02	1e-15	2e-03
4:	1.2000e+01	1.2000e+01	8e-04	2e-04	6e-16	2e-05
5:	1.2000e+01	1.2000e+01	8e-06	2e-06	8e-16	2e-07
6:	1.2000e+01	1.2000e+01	8e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2509e+00	7.2567e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1373e+01	1.1375e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1964e+01	1.1964e+01	9e-02	3e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	9e-04	3e-04	6e-16	2e-05
5:	1.2000e+01	1.2000e+01	9e-06	3e-06	6e-16	2e-07
6:	1.2000e+01	1.2000e+01	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2399e+00	7.2493e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0385e+01	1.0387e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1138e+01	1.1138e+01	2e-01	6e-02	1e-15	4e-03



4:	1.1243e+01	1.1243e+01	3e-03	1e-03	1e-15	7e-05
5:	1.1245e+01	1.1245e+01	3e-05	1e-05	9e-16	7e-07
6:	1.1245e+01	1.1245e+01	3e-07	1e-07	1e-15	7e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5863e+00	6.5912e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0003e+01	1.0005e+01	2e+00	6e-01	2e-15	5e-02
3:	1.0721e+01	1.0722e+01	4e-01	1e-01	2e-15	9e-03
4:	1.0911e+01	1.0911e+01	9e-02	3e-02	1e-15	2e-03
5:	1.0942e+01	1.0942e+01	1e-02	4e-03	1e-15	3e-04
6:	1.0948e+01	1.0948e+01	2e-03	6e-04	8e-16	4e-05
7:	1.0948e+01	1.0948e+01	2e-05	6e-06	9e-16	5e-07
8:	1.0948e+01	1.0948e+01	2e-07	6e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3445e+00	7.3513e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1354e+01	1.1356e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1849e+01	1.1849e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1987e+01	1.1987e+01	3e-02	1e-02	5e-15	9e-04
5:	1.2000e+01	1.2000e+01	4e-04	1e-04	1e-15	9e-06
6:	1.2000e+01	1.2000e+01	4e-06	1e-06	1e-15	9e-08
7:	1.2000e+01	1.2000e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7406e+00	6.7451e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0195e+01	1.0197e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0872e+01	1.0873e+01	3e-01	8e-02	2e-15	6e-03
4:	1.0995e+01	1.0995e+01	3e-02	9e-03	1e-15	7e-04
5:	1.1010e+01	1.1010e+01	2e-03	5e-04	4e-15	4e-05
6:	1.1011e+01	1.1011e+01	2e-05	5e-06	4e-15	4e-07
7:	1.1011e+01	1.1011e+01	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1437e+00	7.1474e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0767e+01	1.0768e+01	1e+00	3e-01	3e-15	2e-02
3:	1.1416e+01	1.1416e+01	8e-02	3e-02	1e-15	2e-03
4:	1.1441e+01	1.1441e+01	2e-02	7e-03	7e-15	6e-04
5:	1.1452e+01	1.1452e+01	3e-04	8e-05	7e-16	6e-06
6:	1.1452e+01	1.1452e+01	3e-06	8e-07	9e-16	6e-08
7:	1.1452e+01	1.1452e+01	3e-08	8e-09	9e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1901e+00	7.1980e+00	7e+00	2e+00	4e-16	2e-01

2:	1.1404e+01	1.1406e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1967e+01	1.1967e+01	9e-02	3e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	9e-04	3e-04	8e-16	2e-05
5:	1.2000e+01	1.2000e+01	9e-06	3e-06	8e-16	2e-07
6:	1.2000e+01	1.2000e+01	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4859e+00	7.4916e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0719e+01	1.0720e+01	1e+00	3e-01	2e-15	2e-02
3:	1.1133e+01	1.1134e+01	2e-01	6e-02	1e-15	4e-03
4:	1.1219e+01	1.1219e+01	2e-02	6e-03	9e-16	4e-04
5:	1.1228e+01	1.1228e+01	2e-04	7e-05	5e-16	5e-06
6:	1.1228e+01	1.1228e+01	2e-06	7e-07	5e-16	5e-08
7:	1.1228e+01	1.1228e+01	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7212e+00	8.7238e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1785e+01	1.1785e+01	5e-01	2e-01	5e-15	1e-02
3:	1.1998e+01	1.1998e+01	6e-03	2e-03	2e-15	1e-04
4:	1.2000e+01	1.2000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.2000e+01	1.2000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0543e+00	6.0620e+00	7e+00	2e+00	4e-16	2e-01
2:	9.2559e+00	9.2584e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0188e+01	1.0188e+01	2e-01	8e-02	2e-15	6e-03
4:	1.0267e+01	1.0267e+01	7e-02	2e-02	3e-15	2e-03
5:	1.0302e+01	1.0302e+01	2e-03	8e-04	9e-16	6e-05
6:	1.0303e+01	1.0303e+01	2e-05	8e-06	2e-15	6e-07
7:	1.0303e+01	1.0303e+01	2e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1915e+00	7.1963e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0761e+01	1.0763e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1480e+01	1.1481e+01	3e-01	1e-01	2e-15	7e-03
4:	1.1650e+01	1.1650e+01	2e-02	7e-03	8e-16	6e-04
5:	1.1662e+01	1.1662e+01	2e-04	8e-05	9e-16	6e-06
6:	1.1663e+01	1.1663e+01	2e-06	8e-07	1e-15	6e-08
7:	1.1663e+01	1.1663e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5294e+00	8.5334e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1646e+01	1.1647e+01	8e-01	3e-01	2e-15	2e-02

3:	1.1970e+01	1.1970e+01	6e-02	2e-02	3e-15	2e-03
4:	1.2000e+01	1.2000e+01	6e-04	2e-04	9e-16	2e-05
5:	1.2000e+01	1.2000e+01	6e-06	2e-06	8e-16	2e-07
6:	1.2000e+01	1.2000e+01	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0210e+00	7.0272e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0594e+01	1.0596e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1368e+01	1.1369e+01	1e-01	4e-02	1e-15	3e-03
4:	1.1441e+01	1.1441e+01	1e-03	5e-04	1e-15	3e-05
5:	1.1442e+01	1.1442e+01	1e-05	5e-06	1e-15	3e-07
6:	1.1442e+01	1.1442e+01	1e-07	5e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0228e+00	7.0301e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0402e+01	1.0404e+01	1e+00	3e-01	1e-15	2e-02
3:	1.0718e+01	1.0719e+01	3e-01	8e-02	2e-15	6e-03
4:	1.0829e+01	1.0829e+01	4e-02	1e-02	7e-16	1e-03
5:	1.0846e+01	1.0846e+01	1e-03	4e-04	7e-16	3e-05
6:	1.0847e+01	1.0847e+01	1e-05	4e-06	7e-16	3e-07
7:	1.0847e+01	1.0847e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9148e+00	5.9257e+00	8e+00	3e+00	3e-16	2e-01
2:	9.4189e+00	9.4228e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0084e+01	1.0084e+01	3e-01	9e-02	6e-16	6e-03
4:	1.0222e+01	1.0222e+01	3e-02	1e-02	2e-15	7e-04
5:	1.0240e+01	1.0240e+01	7e-04	2e-04	9e-16	2e-05
6:	1.0240e+01	1.0240e+01	7e-06	2e-06	1e-15	2e-07
7:	1.0240e+01	1.0240e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7864e+00	5.7920e+00	8e+00	2e+00	2e-16	2e-01
2:	9.0137e+00	9.0154e+00	2e+00	5e-01	2e-15	4e-02
3:	9.7539e+00	9.7544e+00	3e-01	1e-01	1e-15	8e-03
4:	9.8867e+00	9.8868e+00	5e-02	1e-02	9e-16	1e-03
5:	9.9098e+00	9.9098e+00	2e-03	5e-04	7e-16	4e-05
6:	9.9106e+00	9.9106e+00	2e-05	5e-06	5e-16	4e-07
7:	9.9106e+00	9.9106e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7913e+00	8.7949e+00	6e+00	2e+00	2e-16	1e-01
2:	1.1648e+01	1.1648e+01	8e-01	3e-01	3e-15	2e-02

3:	1.1995e+01	1.1995e+01	1e-02	4e-03	2e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4546e+00	8.4614e+00	7e+00	2e+00	4e-16	1e-01
2:	1.2542e+01	1.2544e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2806e+01	1.2806e+01	3e-01	1e-01	3e-15	7e-03
4:	1.2935e+01	1.2936e+01	1e-01	3e-02	2e-15	3e-03
5:	1.2974e+01	1.2974e+01	1e-02	3e-03	4e-15	3e-04
6:	1.2978e+01	1.2978e+01	4e-04	1e-04	1e-14	1e-05
7:	1.2978e+01	1.2978e+01	4e-06	1e-06	5e-15	1e-07
8:	1.2978e+01	1.2978e+01	4e-08	1e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5403e+00	7.5443e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0187e+01	1.0189e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1008e+01	1.1008e+01	5e-01	1e-01	2e-15	1e-02
4:	1.1210e+01	1.1210e+01	1e-01	3e-02	1e-15	2e-03
5:	1.1257e+01	1.1257e+01	4e-03	1e-03	2e-15	9e-05
6:	1.1259e+01	1.1259e+01	4e-05	1e-05	8e-16	9e-07
7:	1.1259e+01	1.1259e+01	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1240e+00	8.1296e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1948e+01	1.1950e+01	2e+00	7e-01	9e-16	5e-02
3:	1.2850e+01	1.2851e+01	4e-01	1e-01	2e-15	9e-03
4:	1.2994e+01	1.2994e+01	1e-02	4e-03	4e-15	3e-04
5:	1.3000e+01	1.3000e+01	1e-04	4e-05	2e-15	3e-06
6:	1.3000e+01	1.3000e+01	1e-06	4e-07	1e-15	3e-08
7:	1.3000e+01	1.3000e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4054e+00	7.4106e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0814e+01	1.0816e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1514e+01	1.1515e+01	4e-01	1e-01	1e-15	1e-02
4:	1.1692e+01	1.1692e+01	7e-02	2e-02	1e-15	2e-03
5:	1.1722e+01	1.1722e+01	9e-04	3e-04	1e-15	2e-05
6:	1.1722e+01	1.1722e+01	9e-06	3e-06	1e-15	2e-07
7:	1.1722e+01	1.1722e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8597e+00	7.8640e+00	7e+00	2e+00	3e-16	2e-01

2:	1.2117e+01	1.2118e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2877e+01	1.2877e+01	2e-01	6e-02	1e-15	4e-03
4:	1.2964e+01	1.2964e+01	3e-02	1e-02	1e-14	7e-04
5:	1.2972e+01	1.2972e+01	8e-03	2e-03	5e-14	2e-04
6:	1.2976e+01	1.2976e+01	4e-04	1e-04	3e-15	1e-05
7:	1.2976e+01	1.2976e+01	4e-06	1e-06	2e-14	1e-07
8:	1.2976e+01	1.2976e+01	4e-08	1e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7535e+00	6.7662e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6840e+00	9.6896e+00	2e+00	8e-01	1e-15	5e-02
3:	1.0638e+01	1.0639e+01	5e-01	1e-01	9e-16	1e-02
4:	1.0884e+01	1.0884e+01	6e-02	2e-02	9e-16	1e-03
5:	1.0898e+01	1.0898e+01	3e-02	9e-03	4e-15	6e-04
6:	1.0911e+01	1.0911e+01	3e-04	9e-05	7e-16	7e-06
7:	1.0912e+01	1.0912e+01	3e-06	9e-07	6e-16	7e-08
8:	1.0912e+01	1.0912e+01	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3343e+00	9.3366e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2492e+01	1.2492e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2990e+01	1.2990e+01	2e-02	7e-03	2e-15	5e-04
4:	1.3000e+01	1.3000e+01	2e-04	7e-05	9e-16	5e-06
5:	1.3000e+01	1.3000e+01	2e-06	7e-07	8e-16	5e-08
6:	1.3000e+01	1.3000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3837e+00	7.3912e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1260e+01	1.1262e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1942e+01	1.1943e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2047e+01	1.2047e+01	2e-02	5e-03	1e-15	4e-04
5:	1.2055e+01	1.2055e+01	2e-04	6e-05	2e-15	4e-06
6:	1.2056e+01	1.2056e+01	2e-06	6e-07	1e-15	4e-08
7:	1.2056e+01	1.2056e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1863e+00	8.1909e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1299e+01	1.1301e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2049e+01	1.2050e+01	3e-01	1e-01	1e-15	8e-03
4:	1.2233e+01	1.2233e+01	4e-02	1e-02	1e-15	8e-04
5:	1.2253e+01	1.2253e+01	4e-04	1e-04	4e-15	1e-05
6:	1.2253e+01	1.2253e+01	4e-06	1e-06	3e-15	1e-07
7:	1.2253e+01	1.2253e+01	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3738e+00	6.3789e+00	8e+00	2e+00	3e-16	2e-01
2:	9.9276e+00	9.9293e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0783e+01	1.0784e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1139e+01	1.1139e+01	1e-01	3e-02	1e-15	3e-03
5:	1.1184e+01	1.1184e+01	2e-02	5e-03	7e-15	4e-04
6:	1.1192e+01	1.1192e+01	2e-04	5e-05	1e-15	4e-06
7:	1.1192e+01	1.1192e+01	2e-06	5e-07	1e-15	4e-08
8:	1.1192e+01	1.1192e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0097e+00	7.0175e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0409e+01	1.0411e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0958e+01	1.0958e+01	2e-01	7e-02	1e-15	5e-03
4:	1.1066e+01	1.1066e+01	5e-02	1e-02	2e-15	1e-03
5:	1.1085e+01	1.1085e+01	4e-03	1e-03	8e-15	9e-05
6:	1.1087e+01	1.1087e+01	4e-05	1e-05	2e-15	9e-07
7:	1.1087e+01	1.1087e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3150e+00	8.3201e+00	8e+00	2e+00	2e-16	2e-01
2:	1.2295e+01	1.2296e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2909e+01	1.2909e+01	2e-01	8e-02	3e-15	6e-03
4:	1.2998e+01	1.2998e+01	5e-03	1e-03	5e-15	1e-04
5:	1.3000e+01	1.3000e+01	5e-05	1e-05	3e-15	1e-06
6:	1.3000e+01	1.3000e+01	5e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6359e+00	7.6391e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1307e+01	1.1308e+01	1e+00	5e-01	1e-15	4e-02
3:	1.1977e+01	1.1978e+01	3e-01	1e-01	8e-16	7e-03
4:	1.2127e+01	1.2127e+01	5e-02	2e-02	1e-15	1e-03
5:	1.2153e+01	1.2153e+01	3e-03	9e-04	6e-15	7e-05
6:	1.2154e+01	1.2154e+01	3e-05	9e-06	1e-15	7e-07
7:	1.2154e+01	1.2154e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2400e+00	7.2439e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0435e+01	1.0436e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0902e+01	1.0903e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1130e+01	1.1130e+01	8e-02	2e-02	1e-15	2e-03
5:	1.1169e+01	1.1169e+01	1e-03	4e-04	1e-15	3e-05
6:	1.1170e+01	1.1170e+01	1e-05	4e-06	9e-16	3e-07

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7: 1.1170e+01 1.1170e+01 1e-07 4e-08 9e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 7.0981e+00 7.1074e+00 7e+00 2e+00 4e-16 2e-01
2: 1.1440e+01 1.1443e+01 1e+00 5e-01 2e-15 3e-02
3: 1.2005e+01 1.2005e+01 3e-01 9e-02 1e-15 6e-03
4: 1.2153e+01 1.2154e+01 5e-02 1e-02 9e-16 1e-03
5: 1.2175e+01 1.2175e+01 5e-04 2e-04 1e-15 1e-05
6: 1.2176e+01 1.2176e+01 5e-06 2e-06 9e-16 1e-07
7: 1.2176e+01 1.2176e+01 5e-08 2e-08 9e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.6640e+00 8.6686e+00 7e+00 2e+00 4e-16 2e-01
2: 1.2671e+01 1.2672e+01 9e-01 3e-01 2e-15 2e-02
3: 1.2961e+01 1.2961e+01 9e-02 3e-02 4e-15 2e-03
4: 1.3000e+01 1.3000e+01 9e-04 3e-04 6e-16 2e-05
5: 1.3000e+01 1.3000e+01 9e-06 3e-06 7e-16 2e-07
6: 1.3000e+01 1.3000e+01 9e-08 3e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 9.0965e+00 9.1013e+00 6e+00 2e+00 6e-16 1e-01
2: 1.2092e+01 1.2093e+01 1e+00 4e-01 4e-15 3e-02
3: 1.2883e+01 1.2883e+01 3e-01 8e-02 3e-15 6e-03
4: 1.2991e+01 1.2991e+01 2e-02 5e-03 1e-14 4e-04
5: 1.3000e+01 1.3000e+01 2e-04 5e-05 2e-15 4e-06
6: 1.3000e+01 1.3000e+01 2e-06 5e-07 2e-15 4e-08
7: 1.3000e+01 1.3000e+01 2e-08 5e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.7210e+00 8.7252e+00 7e+00 2e+00 3e-16 2e-01
2: 1.2354e+01 1.2355e+01 1e+00 4e-01 2e-15 3e-02
3: 1.2965e+01 1.2965e+01 8e-02 2e-02 2e-15 2e-03
4: 1.3000e+01 1.3000e+01 8e-04 2e-04 7e-16 2e-05
5: 1.3000e+01 1.3000e+01 8e-06 2e-06 7e-16 2e-07
6: 1.3000e+01 1.3000e+01 8e-08 2e-08 7e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.6393e+00 4.6431e+00 7e+00 2e+00 3e-16 2e-01
2: 8.6629e+00 8.6641e+00 1e+00 4e-01 1e-15 3e-02
3: 9.4348e+00 9.4350e+00 2e-01 6e-02 8e-16 4e-03
4: 9.4954e+00 9.4955e+00 5e-02 2e-02 8e-15 1e-03
5: 9.5212e+00 9.5212e+00 1e-03 3e-04 9e-16 2e-05
6: 9.5216e+00 9.5216e+00 1e-05 3e-06 4e-15 2e-07

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7: 9.5217e+00 9.5217e+00 1e-07 3e-08 3e-15 2e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0777e+00	7.0889e+00	7e+00	2e+00	4e-16	1e-01
2:	9.2687e+00	9.2722e+00	2e+00	5e-01	1e-15	3e-02
3:	1.0040e+01	1.0041e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0210e+01	1.0210e+01	4e-02	1e-02	6e-16	9e-04
5:	1.0227e+01	1.0227e+01	1e-03	4e-04	4e-15	3e-05
6:	1.0228e+01	1.0228e+01	1e-05	4e-06	1e-15	3e-07
7:	1.0228e+01	1.0228e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0722e+00	9.0762e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2700e+01	1.2701e+01	7e-01	2e-01	2e-15	2e-02
3:	1.2995e+01	1.2995e+01	1e-02	3e-03	2e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	3e-05	2e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3182e+00	9.3223e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2687e+01	1.2688e+01	8e-01	2e-01	3e-15	2e-02
3:	1.2994e+01	1.2994e+01	1e-02	4e-03	1e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8690e+00	8.8714e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2349e+01	1.2350e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2909e+01	1.2909e+01	2e-01	7e-02	2e-15	6e-03
4:	1.2998e+01	1.2998e+01	5e-03	2e-03	6e-15	1e-04
5:	1.3000e+01	1.3000e+01	5e-05	2e-05	2e-15	1e-06
6:	1.3000e+01	1.3000e+01	5e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9265e+00	6.9331e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0225e+01	1.0227e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0962e+01	1.0962e+01	3e-01	1e-01	9e-16	8e-03
4:	1.1111e+01	1.1111e+01	5e-02	1e-02	1e-15	1e-03
5:	1.1135e+01	1.1135e+01	5e-04	2e-04	7e-16	1e-05
6:	1.1135e+01	1.1135e+01	5e-06	2e-06	6e-16	1e-07
7:	1.1135e+01	1.1135e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1822e+00	9.1853e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2683e+01	1.2683e+01	8e-01	3e-01	2e-15	2e-02
3:	1.2981e+01	1.2981e+01	4e-02	1e-02	3e-15	1e-03
4:	1.3000e+01	1.3000e+01	4e-04	1e-04	6e-16	1e-05
5:	1.3000e+01	1.3000e+01	4e-06	1e-06	8e-16	1e-07
6:	1.3000e+01	1.3000e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0748e+00	9.0803e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2317e+01	1.2318e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2812e+01	1.2812e+01	2e-01	8e-02	1e-15	6e-03
4:	1.2914e+01	1.2914e+01	5e-02	1e-02	6e-15	1e-03
5:	1.2928e+01	1.2928e+01	2e-02	5e-03	4e-14	4e-04
6:	1.2936e+01	1.2936e+01	4e-04	1e-04	3e-15	1e-05
7:	1.2936e+01	1.2936e+01	4e-06	1e-06	9e-15	1e-07
8:	1.2936e+01	1.2936e+01	4e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7978e+00	7.8066e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2060e+01	1.2062e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2632e+01	1.2633e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2754e+01	1.2754e+01	6e-02	2e-02	2e-15	1e-03
5:	1.2779e+01	1.2779e+01	7e-03	2e-03	9e-16	2e-04
6:	1.2782e+01	1.2782e+01	1e-04	4e-05	6e-16	3e-06
7:	1.2782e+01	1.2782e+01	1e-06	4e-07	7e-16	3e-08
8:	1.2782e+01	1.2782e+01	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1052e+00	5.1116e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9818e+00	8.9837e+00	1e+00	4e-01	4e-15	3e-02
3:	9.5964e+00	9.5969e+00	3e-01	1e-01	1e-15	8e-03
4:	9.7912e+00	9.7912e+00	2e-02	6e-03	2e-15	5e-04
5:	9.8027e+00	9.8027e+00	2e-04	6e-05	8e-16	5e-06
6:	9.8028e+00	9.8028e+00	2e-06	6e-07	7e-16	5e-08
7:	9.8028e+00	9.8028e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9157e+00	7.9239e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1698e+01	1.1700e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2361e+01	1.2362e+01	3e-01	1e-01	1e-15	7e-03
4:	1.2472e+01	1.2472e+01	6e-02	2e-02	3e-15	1e-03
5:	1.2503e+01	1.2503e+01	1e-03	3e-04	9e-16	3e-05
6:	1.2503e+01	1.2503e+01	1e-05	3e-06	8e-16	3e-07

7: 1.2503e+01 1.2503e+01 1e-07 3e-08 8e-16 3e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2824e+00	9.2848e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2366e+01	1.2367e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2969e+01	1.2969e+01	6e-02	2e-02	2e-15	2e-03
4:	1.3000e+01	1.3000e+01	6e-04	2e-04	8e-16	2e-05
5:	1.3000e+01	1.3000e+01	6e-06	2e-06	9e-16	2e-07
6:	1.3000e+01	1.3000e+01	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5499e+00	6.5543e+00	7e+00	2e+00	2e-16	2e-01
2:	9.8308e+00	9.8323e+00	2e+00	5e-01	3e-15	4e-02
3:	1.0457e+01	1.0457e+01	4e-01	1e-01	9e-16	9e-03
4:	1.0570e+01	1.0570e+01	1e-01	4e-02	4e-15	3e-03
5:	1.0635e+01	1.0635e+01	2e-02	5e-03	1e-15	4e-04
6:	1.0643e+01	1.0643e+01	2e-03	8e-04	2e-15	6e-05
7:	1.0644e+01	1.0644e+01	8e-04	3e-04	7e-14	2e-05
8:	1.0644e+01	1.0644e+01	9e-06	3e-06	1e-14	2e-07
9:	1.0644e+01	1.0644e+01	9e-08	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4995e+00	7.5089e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0862e+01	1.0866e+01	2e+00	6e-01	1e-15	5e-02
3:	1.1681e+01	1.1682e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1862e+01	1.1862e+01	5e-02	2e-02	8e-16	1e-03
5:	1.1880e+01	1.1880e+01	3e-03	8e-04	6e-16	6e-05
6:	1.1881e+01	1.1881e+01	3e-05	9e-06	9e-16	7e-07
7:	1.1881e+01	1.1881e+01	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0501e+00	7.0587e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1211e+01	1.1214e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2059e+01	1.2059e+01	4e-01	1e-01	1e-15	8e-03
4:	1.2238e+01	1.2238e+01	2e-02	7e-03	1e-15	5e-04
5:	1.2248e+01	1.2248e+01	2e-04	7e-05	8e-16	5e-06
6:	1.2248e+01	1.2248e+01	2e-06	7e-07	1e-15	5e-08
7:	1.2248e+01	1.2248e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5036e+00	6.5068e+00	7e+00	2e+00	7e-16	2e-01
2:	1.0306e+01	1.0307e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0795e+01	1.0796e+01	2e-01	6e-02	2e-15	5e-03

4:	1.0902e+01	1.0902e+01	3e-02	9e-03	4e-15	7e-04
5:	1.0917e+01	1.0917e+01	6e-04	2e-04	3e-15	1e-05
6:	1.0917e+01	1.0917e+01	6e-06	2e-06	6e-15	1e-07
7:	1.0917e+01	1.0917e+01	6e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.4539e+00	6.4629e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5320e+00	9.5352e+00	2e+00	6e-01	1e-15	4e-02
3:	1.0347e+01	1.0348e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0500e+01	1.0500e+01	7e-02	2e-02	1e-15	2e-03
5:	1.0534e+01	1.0534e+01	6e-03	2e-03	7e-16	1e-04
6:	1.0536e+01	1.0536e+01	6e-05	2e-05	7e-16	1e-06
7:	1.0536e+01	1.0536e+01	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7293e+00	7.7400e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0711e+01	1.0715e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1590e+01	1.1591e+01	6e-01	2e-01	1e-15	1e-02
4:	1.1913e+01	1.1914e+01	7e-02	2e-02	8e-16	2e-03
5:	1.1950e+01	1.1950e+01	7e-03	2e-03	2e-15	2e-04
6:	1.1953e+01	1.1953e+01	2e-04	5e-05	1e-14	4e-06
7:	1.1953e+01	1.1953e+01	2e-06	5e-07	7e-15	4e-08
8:	1.1953e+01	1.1953e+01	2e-08	5e-09	5e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7793e+00	7.7849e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2244e+01	1.2245e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2798e+01	1.2798e+01	2e-01	8e-02	1e-15	6e-03
4:	1.2894e+01	1.2894e+01	4e-02	1e-02	4e-15	1e-03
5:	1.2917e+01	1.2917e+01	6e-04	2e-04	2e-15	1e-05
6:	1.2917e+01	1.2917e+01	6e-06	2e-06	2e-15	1e-07
7:	1.2917e+01	1.2917e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.3126e+00	5.3235e+00	8e+00	3e+00	3e-16	2e-01
2:	8.2914e+00	8.2949e+00	2e+00	7e-01	1e-15	5e-02
3:	9.5711e+00	9.5717e+00	3e-01	8e-02	2e-15	6e-03
4:	9.6825e+00	9.6826e+00	5e-02	2e-02	2e-15	1e-03
5:	9.7081e+00	9.7081e+00	2e-03	6e-04	4e-15	4e-05
6:	9.7091e+00	9.7091e+00	2e-05	6e-06	2e-15	4e-07
7:	9.7091e+00	9.7091e+00	2e-07	6e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	6.5681e+00	6.5741e+00	7e+00	2e+00	2e-16	2e-01
2:	9.1253e+00	9.1276e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0166e+01	1.0167e+01	5e-01	2e-01	2e-15	1e-02
4:	1.0437e+01	1.0437e+01	6e-02	2e-02	2e-15	1e-03
5:	1.0467e+01	1.0467e+01	7e-04	2e-04	1e-15	2e-05
6:	1.0467e+01	1.0467e+01	7e-06	2e-06	1e-15	2e-07
7:	1.0467e+01	1.0467e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.5077e+00	8.5157e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2580e+01	1.2582e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2977e+01	1.2977e+01	5e-02	2e-02	2e-15	1e-03
4:	1.3000e+01	1.3000e+01	5e-04	2e-04	1e-15	1e-05
5:	1.3000e+01	1.3000e+01	5e-06	2e-06	1e-15	1e-07
6:	1.3000e+01	1.3000e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1130e+00	9.1153e+00	6e+00	2e+00	3e-16	2e-01
2:	1.2392e+01	1.2393e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2979e+01	1.2979e+01	5e-02	1e-02	2e-15	1e-03
4:	1.3000e+01	1.3000e+01	5e-04	1e-04	6e-16	1e-05
5:	1.3000e+01	1.3000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.3000e+01	1.3000e+01	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0310e+00	5.0361e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6524e+00	8.6542e+00	2e+00	6e-01	1e-15	4e-02
3:	9.3830e+00	9.3839e+00	6e-01	2e-01	7e-16	1e-02
4:	9.6177e+00	9.6178e+00	8e-02	2e-02	1e-15	2e-03
5:	9.6289e+00	9.6290e+00	4e-02	1e-02	5e-15	1e-03
6:	9.6495e+00	9.6495e+00	8e-04	3e-04	2e-15	2e-05
7:	9.6499e+00	9.6499e+00	8e-06	3e-06	9e-16	2e-07
8:	9.6499e+00	9.6499e+00	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9483e+00	8.9508e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2596e+01	1.2596e+01	9e-01	3e-01	2e-15	2e-02
3:	1.2988e+01	1.2988e+01	3e-02	9e-03	2e-15	7e-04
4:	1.3000e+01	1.3000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.3000e+01	1.3000e+01	3e-06	9e-07	9e-16	7e-08
6:	1.3000e+01	1.3000e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	9.3067e+00	9.3114e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2743e+01	1.2744e+01	6e-01	2e-01	3e-15	2e-02
3:	1.2995e+01	1.2995e+01	1e-02	4e-03	2e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8283e+00	5.8377e+00	8e+00	3e+00	3e-16	2e-01
2:	9.5553e+00	9.5586e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0341e+01	1.0342e+01	4e-01	1e-01	1e-15	9e-03
4:	1.0514e+01	1.0514e+01	7e-02	2e-02	9e-16	2e-03
5:	1.0544e+01	1.0544e+01	2e-03	6e-04	1e-15	5e-05
6:	1.0544e+01	1.0544e+01	2e-05	7e-06	1e-15	5e-07
7:	1.0544e+01	1.0544e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3985e+00	8.4042e+00	7e+00	2e+00	6e-16	2e-01
2:	1.2510e+01	1.2511e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2969e+01	1.2969e+01	8e-02	2e-02	2e-15	2e-03
4:	1.3000e+01	1.3000e+01	8e-04	3e-04	1e-15	2e-05
5:	1.3000e+01	1.3000e+01	8e-06	3e-06	1e-15	2e-07
6:	1.3000e+01	1.3000e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4877e+00	8.4935e+00	7e+00	2e+00	4e-16	1e-01
2:	1.2303e+01	1.2304e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2714e+01	1.2714e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2788e+01	1.2788e+01	3e-02	9e-03	2e-15	7e-04
5:	1.2801e+01	1.2801e+01	9e-04	3e-04	8e-16	2e-05
6:	1.2802e+01	1.2802e+01	9e-06	3e-06	9e-16	2e-07
7:	1.2802e+01	1.2802e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8595e+00	5.8712e+00	9e+00	3e+00	2e-16	2e-01
2:	9.5008e+00	9.5052e+00	2e+00	7e-01	2e-15	5e-02
3:	1.0529e+01	1.0530e+01	2e-01	7e-02	5e-16	5e-03
4:	1.0647e+01	1.0647e+01	3e-03	1e-03	9e-16	7e-05
5:	1.0649e+01	1.0649e+01	3e-05	1e-05	7e-16	7e-07
6:	1.0649e+01	1.0649e+01	3e-07	1e-07	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5536e+00	9.5565e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2691e+01	1.2691e+01	6e-01	2e-01	2e-15	2e-02

3:	1.2987e+01	1.2987e+01	3e-02	9e-03	3e-15	7e-04
4:	1.3000e+01	1.3000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.3000e+01	1.3000e+01	3e-06	9e-07	8e-16	7e-08
6:	1.3000e+01	1.3000e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0921e+00	5.0988e+00	8e+00	2e+00	4e-16	2e-01
2:	8.8368e+00	8.8387e+00	1e+00	4e-01	2e-15	3e-02
3:	9.2456e+00	9.2466e+00	6e-01	2e-01	1e-15	1e-02
4:	9.4304e+00	9.4307e+00	1e-01	4e-02	9e-16	3e-03
5:	9.4940e+00	9.4940e+00	4e-03	1e-03	7e-16	9e-05
6:	9.4956e+00	9.4956e+00	4e-05	1e-05	5e-16	9e-07
7:	9.4956e+00	9.4956e+00	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.2990e+00	9.3059e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2694e+01	1.2697e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3233e+01	1.3234e+01	7e-01	2e-01	2e-15	2e-02
4:	1.3483e+01	1.3484e+01	2e-01	5e-02	2e-15	4e-03
5:	1.3564e+01	1.3564e+01	2e-02	6e-03	7e-16	4e-04
6:	1.3573e+01	1.3573e+01	2e-04	7e-05	2e-15	5e-06
7:	1.3573e+01	1.3573e+01	2e-06	7e-07	8e-16	5e-08
8:	1.3573e+01	1.3573e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7721e+00	7.7850e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1317e+01	1.1322e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2219e+01	1.2220e+01	4e-01	1e-01	8e-16	9e-03
4:	1.2422e+01	1.2422e+01	3e-02	9e-03	1e-15	7e-04
5:	1.2433e+01	1.2433e+01	7e-03	2e-03	3e-14	2e-04
6:	1.2436e+01	1.2436e+01	8e-05	2e-05	1e-15	2e-06
7:	1.2436e+01	1.2436e+01	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6424e+00	9.6469e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3374e+01	1.3375e+01	1e+00	3e-01	2e-15	3e-02
3:	1.3962e+01	1.3963e+01	9e-02	3e-02	3e-15	2e-03
4:	1.4000e+01	1.4000e+01	1e-03	3e-04	6e-15	2e-05
5:	1.4000e+01	1.4000e+01	1e-05	3e-06	4e-15	2e-07
6:	1.4000e+01	1.4000e+01	1e-07	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3094e+00	7.3205e+00	7e+00	2e+00	4e-16	2e-01

2:	1.0338e+01	1.0342e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0885e+01	1.0886e+01	2e-01	8e-02	7e-16	6e-03
4:	1.1016e+01	1.1016e+01	2e-02	7e-03	1e-15	5e-04
5:	1.1026e+01	1.1026e+01	2e-03	5e-04	3e-15	3e-05
6:	1.1026e+01	1.1026e+01	2e-05	5e-06	7e-15	4e-07
7:	1.1026e+01	1.1026e+01	2e-07	5e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6008e+00	9.6047e+00	7e+00	2e+00	2e-16	2e-01
2:	1.3477e+01	1.3478e+01	1e+00	3e-01	3e-15	3e-02
3:	1.3985e+01	1.3985e+01	3e-02	9e-03	2e-15	7e-04
4:	1.4000e+01	1.4000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.4000e+01	1.4000e+01	3e-06	9e-07	1e-15	7e-08
6:	1.4000e+01	1.4000e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8215e+00	8.8260e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2649e+01	1.2650e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3313e+01	1.3314e+01	6e-01	2e-01	2e-15	1e-02
4:	1.3620e+01	1.3620e+01	8e-02	3e-02	2e-15	2e-03
5:	1.3662e+01	1.3662e+01	2e-03	5e-04	2e-15	4e-05
6:	1.3663e+01	1.3663e+01	2e-05	5e-06	1e-15	4e-07
7:	1.3663e+01	1.3663e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9487e+00	5.9583e+00	8e+00	3e+00	3e-16	2e-01
2:	9.3188e+00	9.3219e+00	2e+00	6e-01	2e-15	4e-02
3:	1.0139e+01	1.0140e+01	4e-01	1e-01	2e-15	1e-02
4:	1.0337e+01	1.0338e+01	5e-02	2e-02	1e-15	1e-03
5:	1.0357e+01	1.0357e+01	6e-04	2e-04	1e-15	2e-05
6:	1.0357e+01	1.0357e+01	6e-06	2e-06	1e-15	2e-07
7:	1.0357e+01	1.0357e+01	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8292e+00	8.8380e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3016e+01	1.3019e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3701e+01	1.3702e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3844e+01	1.3844e+01	8e-02	2e-02	6e-15	2e-03
5:	1.3891e+01	1.3891e+01	2e-03	7e-04	9e-16	5e-05
6:	1.3892e+01	1.3892e+01	2e-05	7e-06	3e-15	5e-07
7:	1.3892e+01	1.3892e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.0453e+01	1.0455e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3509e+01	1.3509e+01	1e+00	3e-01	1e-15	2e-02
3:	1.3979e+01	1.3979e+01	4e-02	1e-02	3e-15	1e-03
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	1e-15	1e-05
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	1e-15	1e-07
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0796e+00	9.0847e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3548e+01	1.3550e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3940e+01	1.3941e+01	2e-01	5e-02	2e-15	4e-03
4:	1.3999e+01	1.3999e+01	2e-03	5e-04	2e-15	4e-05
5:	1.4000e+01	1.4000e+01	2e-05	5e-06	2e-15	4e-07
6:	1.4000e+01	1.4000e+01	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3401e+00	8.3475e+00	7e+00	2e+00	8e-16	2e-01
2:	1.2387e+01	1.2389e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3041e+01	1.3041e+01	1e-01	3e-02	1e-15	2e-03
4:	1.3085e+01	1.3085e+01	1e-03	3e-04	1e-15	3e-05
5:	1.3085e+01	1.3085e+01	1e-05	3e-06	2e-15	3e-07
6:	1.3085e+01	1.3085e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0410e+00	7.0471e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1130e+01	1.1131e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1883e+01	1.1883e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1985e+01	1.1985e+01	8e-02	2e-02	2e-15	2e-03
5:	1.2023e+01	1.2023e+01	3e-03	9e-04	8e-16	7e-05
6:	1.2024e+01	1.2024e+01	3e-05	9e-06	1e-15	7e-07
7:	1.2024e+01	1.2024e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6585e+00	4.6669e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5140e+00	8.5163e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9818e+00	8.9825e+00	3e-01	1e-01	4e-15	7e-03
4:	9.1202e+00	9.1202e+00	2e-02	5e-03	1e-15	4e-04
5:	9.1269e+00	9.1269e+00	2e-04	5e-05	1e-15	4e-06
6:	9.1270e+00	9.1270e+00	2e-06	5e-07	8e-16	4e-08
7:	9.1270e+00	9.1270e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1443e+00	6.1543e+00	8e+00	2e+00	5e-16	2e-01



2:	9.8057e+00	9.8080e+00	1e+00	5e-01	2e-15	3e-02
3:	1.0551e+01	1.0552e+01	4e-01	1e-01	9e-16	8e-03
4:	1.0701e+01	1.0701e+01	6e-02	2e-02	1e-15	2e-03
5:	1.0735e+01	1.0735e+01	7e-04	2e-04	9e-16	2e-05
6:	1.0735e+01	1.0735e+01	7e-06	2e-06	8e-16	2e-07
7:	1.0735e+01	1.0735e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1707e+00	5.1756e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3835e+00	8.3846e+00	9e-01	3e-01	3e-15	2e-02
3:	8.8136e+00	8.8138e+00	8e-02	3e-02	7e-16	2e-03
4:	8.8475e+00	8.8475e+00	5e-03	2e-03	3e-15	1e-04
5:	8.8496e+00	8.8496e+00	5e-05	2e-05	7e-15	1e-06
6:	8.8496e+00	8.8496e+00	5e-07	2e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0068e+01	1.0072e+01	6e+00	2e+00	4e-16	1e-01
2:	1.2959e+01	1.2960e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3540e+01	1.3540e+01	2e-01	5e-02	1e-15	4e-03
4:	1.3633e+01	1.3633e+01	2e-02	7e-03	1e-15	5e-04
5:	1.3645e+01	1.3645e+01	3e-04	9e-05	1e-15	7e-06
6:	1.3645e+01	1.3645e+01	3e-06	9e-07	8e-16	7e-08
7:	1.3645e+01	1.3645e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6207e+00	8.6283e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3213e+01	1.3215e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3885e+01	1.3886e+01	3e-01	9e-02	2e-15	6e-03
4:	1.3992e+01	1.3992e+01	2e-02	6e-03	7e-15	4e-04
5:	1.4000e+01	1.4000e+01	2e-04	6e-05	4e-15	4e-06
6:	1.4000e+01	1.4000e+01	2e-06	6e-07	5e-15	4e-08
7:	1.4000e+01	1.4000e+01	2e-08	6e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8198e+00	7.8227e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1428e+01	1.1429e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2348e+01	1.2348e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2540e+01	1.2540e+01	1e-02	4e-03	3e-15	3e-04
5:	1.2547e+01	1.2547e+01	1e-04	4e-05	1e-15	3e-06
6:	1.2547e+01	1.2547e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5208e+00	7.5277e+00	7e+00	2e+00	2e-16	2e-01

2:	1.1680e+01	1.1681e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2220e+01	1.2220e+01	1e-01	3e-02	9e-16	2e-03
4:	1.2264e+01	1.2264e+01	1e-03	4e-04	2e-15	3e-05
5:	1.2265e+01	1.2265e+01	1e-05	4e-06	1e-15	3e-07
6:	1.2265e+01	1.2265e+01	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3519e+00	6.3615e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0207e+01	1.0210e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0760e+01	1.0760e+01	2e-01	7e-02	8e-16	5e-03
4:	1.0838e+01	1.0838e+01	3e-02	8e-03	1e-15	6e-04
5:	1.0850e+01	1.0850e+01	1e-03	4e-04	7e-16	3e-05
6:	1.0851e+01	1.0851e+01	1e-05	4e-06	6e-16	3e-07
7:	1.0851e+01	1.0851e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6096e+00	8.6154e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2641e+01	1.2643e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3648e+01	1.3648e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3843e+01	1.3843e+01	1e-01	3e-02	5e-15	2e-03
5:	1.3898e+01	1.3898e+01	1e-03	4e-04	9e-16	3e-05
6:	1.3898e+01	1.3898e+01	1e-05	4e-06	7e-16	3e-07
7:	1.3898e+01	1.3898e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3111e+00	8.3241e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2284e+01	1.2289e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3008e+01	1.3009e+01	5e-01	2e-01	1e-15	1e-02
4:	1.3276e+01	1.3277e+01	7e-02	2e-02	8e-16	2e-03
5:	1.3312e+01	1.3312e+01	4e-03	1e-03	3e-15	1e-04
6:	1.3314e+01	1.3314e+01	5e-05	1e-05	6e-16	1e-06
7:	1.3314e+01	1.3314e+01	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0404e+01	1.0406e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3812e+01	1.3813e+01	4e-01	1e-01	2e-15	9e-03
3:	1.3997e+01	1.3997e+01	6e-03	2e-03	3e-15	2e-04
4:	1.4000e+01	1.4000e+01	6e-05	2e-05	2e-15	2e-06
5:	1.4000e+01	1.4000e+01	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0324e+01	1.0327e+01	6e+00	2e+00	2e-16	1e-01
2:	1.3542e+01	1.3542e+01	9e-01	3e-01	2e-15	2e-02

3:	1.3965e+01	1.3965e+01	7e-02	2e-02	2e-15	2e-03
4:	1.4000e+01	1.4000e+01	7e-04	2e-04	9e-16	2e-05
5:	1.4000e+01	1.4000e+01	7e-06	2e-06	1e-15	2e-07
6:	1.4000e+01	1.4000e+01	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8140e+00	5.8208e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8368e+00	9.8390e+00	2e+00	5e-01	1e-15	4e-02
3:	1.0567e+01	1.0568e+01	4e-01	1e-01	9e-16	8e-03
4:	1.0751e+01	1.0751e+01	4e-02	1e-02	1e-15	1e-03
5:	1.0772e+01	1.0772e+01	6e-04	2e-04	2e-15	1e-05
6:	1.0773e+01	1.0773e+01	6e-06	2e-06	2e-15	1e-07
7:	1.0773e+01	1.0773e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4217e+00	4.4235e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0210e+00	7.0217e+00	2e+00	5e-01	2e-15	4e-02
3:	7.6910e+00	7.6912e+00	4e-01	1e-01	2e-15	9e-03
4:	7.8745e+00	7.8746e+00	6e-02	2e-02	8e-16	2e-03
5:	7.9077e+00	7.9077e+00	8e-03	3e-03	1e-15	2e-04
6:	7.9113e+00	7.9113e+00	3e-04	9e-05	1e-15	7e-06
7:	7.9114e+00	7.9114e+00	3e-06	9e-07	9e-16	7e-08
8:	7.9114e+00	7.9114e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.5369e+00	8.5449e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2526e+01	1.2529e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3130e+01	1.3131e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3376e+01	1.3376e+01	3e-02	9e-03	8e-16	7e-04
5:	1.3390e+01	1.3390e+01	3e-04	9e-05	9e-16	7e-06
6:	1.3390e+01	1.3390e+01	3e-06	9e-07	8e-16	7e-08
7:	1.3390e+01	1.3390e+01	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8028e+00	7.8102e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0733e+01	1.0736e+01	1e+00	5e-01	1e-15	3e-02
3:	1.1278e+01	1.1279e+01	2e-01	8e-02	7e-16	6e-03
4:	1.1398e+01	1.1398e+01	3e-02	1e-02	7e-16	8e-04
5:	1.1413e+01	1.1413e+01	4e-04	1e-04	7e-16	9e-06
6:	1.1413e+01	1.1413e+01	4e-06	1e-06	8e-16	9e-08
7:	1.1413e+01	1.1413e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.0275e+01	1.0279e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3699e+01	1.3699e+01	6e-01	2e-01	4e-15	2e-02
3:	1.3974e+01	1.3974e+01	4e-02	1e-02	4e-15	1e-03
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	8e-16	1e-05
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	1e-15	1e-07
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4369e+00	8.4434e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2055e+01	1.2057e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2560e+01	1.2561e+01	2e-01	6e-02	9e-16	4e-03
4:	1.2636e+01	1.2636e+01	1e-02	5e-03	8e-16	4e-04
5:	1.2642e+01	1.2642e+01	2e-03	7e-04	8e-16	6e-05
6:	1.2643e+01	1.2643e+01	1e-04	4e-05	4e-15	3e-06
7:	1.2643e+01	1.2643e+01	1e-06	4e-07	6e-16	3e-08
8:	1.2643e+01	1.2643e+01	1e-08	4e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7355e+00	7.7457e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0317e+01	1.0321e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1083e+01	1.1085e+01	7e-01	2e-01	7e-16	2e-02
4:	1.1173e+01	1.1174e+01	4e-01	1e-01	1e-15	1e-02
5:	1.1376e+01	1.1376e+01	1e-02	4e-03	6e-16	3e-04
6:	1.1382e+01	1.1382e+01	1e-04	4e-05	7e-16	3e-06
7:	1.1382e+01	1.1382e+01	1e-06	4e-07	5e-16	3e-08
8:	1.1382e+01	1.1382e+01	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1737e+00	8.1792e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1943e+01	1.1944e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2485e+01	1.2485e+01	2e-01	7e-02	7e-16	5e-03
4:	1.2561e+01	1.2561e+01	4e-02	1e-02	3e-15	1e-03
5:	1.2580e+01	1.2580e+01	1e-02	4e-03	9e-16	3e-04
6:	1.2584e+01	1.2584e+01	6e-04	2e-04	3e-15	2e-05
7:	1.2585e+01	1.2585e+01	6e-06	2e-06	7e-16	2e-07
8:	1.2585e+01	1.2585e+01	6e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0693e+00	9.0744e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3494e+01	1.3495e+01	1e+00	3e-01	2e-15	3e-02
3:	1.3957e+01	1.3958e+01	1e-01	4e-02	3e-15	3e-03
4:	1.4000e+01	1.4000e+01	1e-03	4e-04	2e-15	3e-05
5:	1.4000e+01	1.4000e+01	1e-05	4e-06	2e-15	3e-07
6:	1.4000e+01	1.4000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8669e+00	7.8713e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2129e+01	1.2131e+01	2e+00	5e-01	3e-15	4e-02
3:	1.3062e+01	1.3063e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3121e+01	1.3121e+01	2e-02	6e-03	1e-14	5e-04
5:	1.3132e+01	1.3132e+01	2e-04	7e-05	1e-15	5e-06
6:	1.3133e+01	1.3133e+01	2e-06	7e-07	1e-15	5e-08
7:	1.3133e+01	1.3133e+01	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3198e+00	8.3292e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2197e+01	1.2201e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2822e+01	1.2823e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3005e+01	1.3005e+01	7e-02	2e-02	9e-16	2e-03
5:	1.3039e+01	1.3039e+01	1e-02	4e-03	7e-16	3e-04
6:	1.3043e+01	1.3043e+01	2e-03	8e-04	4e-15	6e-05
7:	1.3045e+01	1.3045e+01	3e-05	8e-06	7e-16	6e-07
8:	1.3045e+01	1.3045e+01	3e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1357e+00	8.1398e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0584e+01	1.0586e+01	2e+00	8e-01	2e-15	6e-02
3:	1.1664e+01	1.1664e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1915e+01	1.1915e+01	7e-02	2e-02	2e-15	2e-03
5:	1.1957e+01	1.1957e+01	2e-03	5e-04	1e-15	4e-05
6:	1.1958e+01	1.1958e+01	2e-05	5e-06	1e-15	4e-07
7:	1.1958e+01	1.1958e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2137e+00	9.2181e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3331e+01	1.3333e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3843e+01	1.3844e+01	3e-01	8e-02	2e-15	6e-03
4:	1.3992e+01	1.3992e+01	1e-02	3e-03	1e-15	3e-04
5:	1.3996e+01	1.3996e+01	1e-03	4e-04	3e-13	3e-05
6:	1.3997e+01	1.3997e+01	3e-04	8e-05	6e-14	7e-06
7:	1.3997e+01	1.3997e+01	3e-06	9e-07	1e-13	7e-08
8:	1.3997e+01	1.3997e+01	3e-08	9e-09	1e-13	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2580e+00	8.2617e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2437e+01	1.2439e+01	1e+00	5e-01	2e-15	3e-02
3:	1.3026e+01	1.3026e+01	3e-01	1e-01	1e-15	8e-03

4:	1.3230e+01	1.3230e+01	1e-02	3e-03	8e-16	3e-04
5:	1.3235e+01	1.3235e+01	1e-04	4e-05	6e-16	3e-06
6:	1.3235e+01	1.3235e+01	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8354e+00	8.8414e+00	7e+00	2e+00	5e-16	2e-01
2:	1.3506e+01	1.3507e+01	9e-01	3e-01	1e-15	2e-02
3:	1.3854e+01	1.3855e+01	2e-01	6e-02	1e-15	5e-03
4:	1.3922e+01	1.3922e+01	3e-02	9e-03	2e-14	7e-04
5:	1.3935e+01	1.3935e+01	2e-03	5e-04	1e-15	4e-05
6:	1.3935e+01	1.3935e+01	2e-05	6e-06	6e-15	4e-07
7:	1.3935e+01	1.3935e+01	2e-07	6e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6559e+00	8.6593e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2753e+01	1.2754e+01	1e+00	5e-01	2e-15	3e-02
3:	1.3406e+01	1.3407e+01	2e-01	7e-02	2e-15	5e-03
4:	1.3524e+01	1.3525e+01	3e-02	9e-03	1e-15	7e-04
5:	1.3538e+01	1.3538e+01	3e-04	1e-04	1e-15	7e-06
6:	1.3538e+01	1.3538e+01	3e-06	1e-06	1e-15	7e-08
7:	1.3538e+01	1.3538e+01	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.5090e+00	8.5167e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2004e+01	1.2007e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2755e+01	1.2756e+01	5e-01	1e-01	2e-15	1e-02
4:	1.2921e+01	1.2921e+01	8e-02	3e-02	2e-15	2e-03
5:	1.2963e+01	1.2963e+01	1e-03	5e-04	8e-16	3e-05
6:	1.2964e+01	1.2964e+01	1e-05	5e-06	1e-15	3e-07
7:	1.2964e+01	1.2964e+01	1e-07	5e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8668e+00	8.8728e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2246e+01	1.2247e+01	8e-01	2e-01	2e-15	2e-02
3:	1.2600e+01	1.2601e+01	1e-01	3e-02	1e-15	3e-03
4:	1.2641e+01	1.2641e+01	2e-02	5e-03	2e-15	4e-04
5:	1.2648e+01	1.2648e+01	1e-03	3e-04	5e-16	2e-05
6:	1.2648e+01	1.2648e+01	1e-05	3e-06	1e-15	3e-07
7:	1.2648e+01	1.2648e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6126e+00	7.6220e+00	8e+00	2e+00	5e-16	2e-01
2:	1.1012e+01	1.1016e+01	2e+00	6e-01	2e-15	4e-02

3:	1.1812e+01	1.1813e+01	4e-01	1e-01	9e-16	8e-03
4:	1.2007e+01	1.2008e+01	5e-02	1e-02	1e-15	1e-03
5:	1.2030e+01	1.2030e+01	2e-03	6e-04	3e-15	5e-05
6:	1.2031e+01	1.2031e+01	2e-05	6e-06	2e-14	5e-07
7:	1.2031e+01	1.2031e+01	2e-07	6e-08	1e-14	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9279e+00	7.9381e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2273e+01	1.2276e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2894e+01	1.2895e+01	4e-01	1e-01	2e-15	1e-02
4:	1.3114e+01	1.3114e+01	6e-02	2e-02	7e-16	1e-03
5:	1.3139e+01	1.3140e+01	2e-03	6e-04	2e-15	5e-05
6:	1.3140e+01	1.3140e+01	2e-05	6e-06	9e-16	5e-07
7:	1.3140e+01	1.3140e+01	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3607e+00	7.3737e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0625e+01	1.0630e+01	2e+00	8e-01	1e-15	5e-02
3:	1.1748e+01	1.1750e+01	5e-01	2e-01	1e-15	1e-02
4:	1.1949e+01	1.1949e+01	4e-02	1e-02	1e-15	1e-03
5:	1.1957e+01	1.1957e+01	2e-02	8e-03	1e-14	6e-04
6:	1.1968e+01	1.1968e+01	3e-04	8e-05	5e-16	6e-06
7:	1.1968e+01	1.1968e+01	3e-06	8e-07	9e-16	6e-08
8:	1.1968e+01	1.1968e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4367e+00	5.4408e+00	7e+00	2e+00	2e-16	2e-01
2:	8.6250e+00	8.6264e+00	2e+00	5e-01	2e-15	4e-02
3:	9.3937e+00	9.3942e+00	4e-01	1e-01	9e-16	1e-02
4:	9.5355e+00	9.5356e+00	1e-01	3e-02	8e-16	2e-03
5:	9.5778e+00	9.5778e+00	8e-03	3e-03	7e-16	2e-04
6:	9.5810e+00	9.5810e+00	9e-05	3e-05	2e-15	2e-06
7:	9.5811e+00	9.5811e+00	9e-07	3e-07	1e-15	2e-08
8:	9.5811e+00	9.5811e+00	9e-09	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2796e+00	9.2844e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2628e+01	1.2630e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3221e+01	1.3222e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3439e+01	1.3439e+01	3e-02	1e-02	7e-16	7e-04
5:	1.3456e+01	1.3456e+01	1e-03	4e-04	8e-16	3e-05
6:	1.3457e+01	1.3457e+01	1e-05	4e-06	7e-16	3e-07
7:	1.3457e+01	1.3457e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.4093e+00	9.4144e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2540e+01	1.2542e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3315e+01	1.3315e+01	4e-01	1e-01	1e-15	9e-03
4:	1.3483e+01	1.3483e+01	4e-02	1e-02	9e-16	1e-03
5:	1.3506e+01	1.3506e+01	3e-03	9e-04	1e-15	7e-05
6:	1.3508e+01	1.3508e+01	3e-05	9e-06	1e-15	7e-07
7:	1.3508e+01	1.3508e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.0351e+00	6.0428e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0083e+01	1.0085e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0490e+01	1.0490e+01	2e-01	7e-02	2e-15	5e-03
4:	1.0606e+01	1.0606e+01	6e-03	2e-03	1e-15	1e-04
5:	1.0609e+01	1.0609e+01	6e-05	2e-05	9e-16	1e-06
6:	1.0609e+01	1.0609e+01	6e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2405e+00	7.2431e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1335e+01	1.1336e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1892e+01	1.1892e+01	1e-01	4e-02	1e-15	3e-03
4:	1.1960e+01	1.1960e+01	3e-03	1e-03	1e-15	8e-05
5:	1.1961e+01	1.1961e+01	3e-05	1e-05	8e-16	8e-07
6:	1.1961e+01	1.1961e+01	3e-07	1e-07	8e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8041e+00	6.8157e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0951e+01	1.0954e+01	2e+00	5e-01	3e-15	3e-02
3:	1.1528e+01	1.1529e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1750e+01	1.1750e+01	3e-02	9e-03	1e-15	7e-04
5:	1.1766e+01	1.1766e+01	3e-04	9e-05	8e-16	7e-06
6:	1.1766e+01	1.1766e+01	3e-06	9e-07	8e-16	7e-08
7:	1.1766e+01	1.1766e+01	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3993e+00	7.4114e+00	9e+00	3e+00	3e-16	2e-01
2:	1.1332e+01	1.1335e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2218e+01	1.2219e+01	5e-01	1e-01	1e-15	1e-02
4:	1.2313e+01	1.2314e+01	2e-01	6e-02	5e-15	5e-03
5:	1.2405e+01	1.2405e+01	2e-02	7e-03	8e-16	5e-04
6:	1.2413e+01	1.2413e+01	4e-04	1e-04	1e-15	1e-05
7:	1.2413e+01	1.2413e+01	4e-06	1e-06	5e-16	1e-07
8:	1.2413e+01	1.2413e+01	4e-08	1e-08	7e-16	1e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1044e+01	1.1046e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3896e+01	1.3897e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4546e+01	1.4546e+01	5e-01	2e-01	2e-15	1e-02
4:	1.4786e+01	1.4786e+01	5e-02	1e-02	3e-15	1e-03
5:	1.4812e+01	1.4812e+01	7e-04	2e-04	1e-15	2e-05
6:	1.4812e+01	1.4812e+01	7e-06	2e-06	9e-16	2e-07
7:	1.4812e+01	1.4812e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.2637e+00	9.2736e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2791e+01	1.2795e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3676e+01	1.3677e+01	6e-01	2e-01	1e-15	1e-02
4:	1.3991e+01	1.3991e+01	9e-02	3e-02	3e-15	2e-03
5:	1.4030e+01	1.4030e+01	8e-03	3e-03	2e-14	2e-04
6:	1.4035e+01	1.4035e+01	8e-05	3e-05	4e-15	2e-06
7:	1.4035e+01	1.4035e+01	8e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4436e+00	7.4516e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1267e+01	1.1269e+01	1e+00	5e-01	8e-16	3e-02
3:	1.2082e+01	1.2082e+01	2e-01	5e-02	1e-15	4e-03
4:	1.2158e+01	1.2158e+01	2e-03	6e-04	6e-16	5e-05
5:	1.2159e+01	1.2159e+01	2e-05	6e-06	8e-16	5e-07
6:	1.2159e+01	1.2159e+01	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0899e+01	1.0903e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4141e+01	1.4142e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4799e+01	1.4799e+01	2e-01	6e-02	2e-15	4e-03
4:	1.4888e+01	1.4888e+01	1e-02	5e-03	6e-15	3e-04
5:	1.4897e+01	1.4897e+01	1e-04	5e-05	1e-15	3e-06
6:	1.4897e+01	1.4897e+01	1e-06	5e-07	8e-16	3e-08
7:	1.4897e+01	1.4897e+01	1e-08	5e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0260e+01	1.0267e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3719e+01	1.3722e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4451e+01	1.4452e+01	3e-01	9e-02	3e-15	6e-03
4:	1.4610e+01	1.4610e+01	1e-02	3e-03	1e-15	2e-04
5:	1.4615e+01	1.4615e+01	1e-04	3e-05	8e-16	2e-06
6:	1.4615e+01	1.4615e+01	1e-06	3e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5598e+00	7.5672e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2446e+01	1.2448e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2905e+01	1.2905e+01	3e-01	9e-02	1e-15	6e-03
4:	1.3039e+01	1.3039e+01	4e-02	1e-02	2e-15	1e-03
5:	1.3057e+01	1.3057e+01	8e-04	2e-04	6e-15	2e-05
6:	1.3057e+01	1.3057e+01	8e-06	2e-06	3e-15	2e-07
7:	1.3057e+01	1.3057e+01	8e-08	2e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.9287e+00	7.9343e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1550e+01	1.1552e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2169e+01	1.2169e+01	2e-01	7e-02	9e-16	5e-03
4:	1.2272e+01	1.2272e+01	3e-02	8e-03	5e-15	6e-04
5:	1.2281e+01	1.2281e+01	3e-03	8e-04	3e-14	6e-05
6:	1.2283e+01	1.2283e+01	9e-05	3e-05	3e-15	2e-06
7:	1.2283e+01	1.2283e+01	9e-07	3e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5844e+00	9.5920e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2147e+01	1.2151e+01	2e+00	8e-01	2e-15	6e-02
3:	1.3096e+01	1.3097e+01	4e-01	1e-01	2e-15	1e-02
4:	1.3316e+01	1.3316e+01	7e-02	2e-02	7e-16	2e-03
5:	1.3345e+01	1.3345e+01	1e-02	4e-03	1e-15	3e-04
6:	1.3351e+01	1.3351e+01	6e-04	2e-04	1e-15	1e-05
7:	1.3351e+01	1.3351e+01	6e-06	2e-06	1e-15	1e-07
8:	1.3351e+01	1.3351e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8854e+00	8.8932e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2847e+01	1.2849e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3563e+01	1.3564e+01	4e-01	1e-01	2e-15	9e-03
4:	1.3750e+01	1.3750e+01	6e-02	2e-02	1e-15	1e-03
5:	1.3783e+01	1.3783e+01	7e-04	2e-04	9e-16	2e-05
6:	1.3784e+01	1.3784e+01	7e-06	2e-06	9e-16	2e-07
7:	1.3784e+01	1.3784e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0520e+01	1.0523e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4127e+01	1.4128e+01	1e+00	4e-01	1e-15	3e-02
3:	1.4878e+01	1.4878e+01	2e-01	8e-02	1e-15	6e-03
4:	1.4990e+01	1.4990e+01	2e-02	6e-03	1e-14	5e-04

5:	1.5000e+01	1.5000e+01	2e-04	6e-05	1e-15	5e-06
6:	1.5000e+01	1.5000e+01	2e-06	6e-07	9e-16	5e-08
7:	1.5000e+01	1.5000e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4871e+00	8.4947e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1972e+01	1.1975e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2887e+01	1.2888e+01	1e-01	4e-02	9e-16	3e-03
4:	1.2949e+01	1.2949e+01	1e-03	4e-04	7e-16	3e-05
5:	1.2950e+01	1.2950e+01	1e-05	4e-06	8e-16	3e-07
6:	1.2950e+01	1.2950e+01	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0711e+00	9.0802e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2763e+01	1.2766e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3521e+01	1.3521e+01	2e-01	7e-02	7e-16	5e-03
4:	1.3652e+01	1.3652e+01	2e-02	8e-03	3e-15	5e-04
5:	1.3663e+01	1.3663e+01	1e-03	4e-04	2e-14	3e-05
6:	1.3664e+01	1.3664e+01	1e-05	4e-06	3e-15	3e-07
7:	1.3664e+01	1.3664e+01	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.7649e+00	8.7714e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2387e+01	1.2389e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3086e+01	1.3087e+01	3e-01	1e-01	1e-15	7e-03
4:	1.3193e+01	1.3193e+01	1e-01	3e-02	6e-15	2e-03
5:	1.3249e+01	1.3249e+01	2e-03	7e-04	8e-16	5e-05
6:	1.3250e+01	1.3250e+01	2e-05	7e-06	1e-15	5e-07
7:	1.3250e+01	1.3250e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4318e+00	8.4376e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3290e+01	1.3292e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3977e+01	1.3977e+01	3e-01	9e-02	2e-15	7e-03
4:	1.4115e+01	1.4115e+01	7e-02	2e-02	2e-15	2e-03
5:	1.4143e+01	1.4143e+01	9e-03	3e-03	2e-15	2e-04
6:	1.4147e+01	1.4147e+01	1e-04	3e-05	3e-15	3e-06
7:	1.4147e+01	1.4147e+01	1e-06	3e-07	4e-15	3e-08
8:	1.4147e+01	1.4147e+01	1e-08	3e-09	9e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0388e+01	1.0392e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4344e+01	1.4345e+01	1e+00	3e-01	2e-15	2e-02

3:	1.4752e+01	1.4752e+01	2e-01	7e-02	3e-15	5e-03
4:	1.4834e+01	1.4834e+01	4e-02	1e-02	6e-15	9e-04
5:	1.4854e+01	1.4854e+01	5e-04	2e-04	1e-15	1e-05
6:	1.4855e+01	1.4855e+01	5e-06	2e-06	1e-15	1e-07
7:	1.4855e+01	1.4855e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4706e+00	8.4786e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1846e+01	1.1850e+01	3e+00	9e-01	1e-15	6e-02
3:	1.2709e+01	1.2710e+01	6e-01	2e-01	1e-15	1e-02
4:	1.2986e+01	1.2986e+01	7e-02	2e-02	7e-16	2e-03
5:	1.3024e+01	1.3024e+01	7e-03	2e-03	1e-15	2e-04
6:	1.3028e+01	1.3028e+01	7e-05	2e-05	1e-15	2e-06
7:	1.3028e+01	1.3028e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3357e+00	8.3458e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2603e+01	1.2606e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3223e+01	1.3223e+01	9e-02	3e-02	1e-15	2e-03
4:	1.3268e+01	1.3269e+01	9e-04	3e-04	9e-16	2e-05
5:	1.3269e+01	1.3269e+01	9e-06	3e-06	1e-15	2e-07
6:	1.3269e+01	1.3269e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0763e+01	1.0767e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4518e+01	1.4519e+01	9e-01	3e-01	1e-15	2e-02
3:	1.4948e+01	1.4948e+01	1e-01	4e-02	2e-15	3e-03
4:	1.4999e+01	1.4999e+01	3e-03	9e-04	9e-15	7e-05
5:	1.5000e+01	1.5000e+01	3e-05	9e-06	5e-15	7e-07
6:	1.5000e+01	1.5000e+01	3e-07	9e-08	4e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.1247e+00	9.1324e+00	7e+00	2e+00	3e-16	1e-01
2:	1.2131e+01	1.2135e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2969e+01	1.2969e+01	4e-01	1e-01	1e-15	9e-03
4:	1.3166e+01	1.3166e+01	4e-02	1e-02	9e-16	9e-04
5:	1.3183e+01	1.3183e+01	4e-04	1e-04	2e-15	9e-06
6:	1.3184e+01	1.3184e+01	4e-06	1e-06	2e-15	9e-08
7:	1.3184e+01	1.3184e+01	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8457e+00	7.8508e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1758e+01	1.1760e+01	1e+00	4e-01	3e-15	3e-02

3:	1.2416e+01	1.2416e+01	1e-01	4e-02	2e-15	3e-03
4:	1.2490e+01	1.2490e+01	2e-03	5e-04	1e-15	4e-05
5:	1.2491e+01	1.2491e+01	2e-05	5e-06	1e-15	4e-07
6:	1.2491e+01	1.2491e+01	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1664e+00	9.1698e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2784e+01	1.2785e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3644e+01	1.3644e+01	3e-01	9e-02	1e-15	7e-03
4:	1.3772e+01	1.3772e+01	4e-02	1e-02	2e-15	1e-03
5:	1.3791e+01	1.3791e+01	3e-03	1e-03	1e-14	8e-05
6:	1.3793e+01	1.3793e+01	4e-05	1e-05	3e-14	1e-06
7:	1.3793e+01	1.3793e+01	4e-07	1e-07	3e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8682e+00	7.8779e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1235e+01	1.1238e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2266e+01	1.2267e+01	3e-01	9e-02	7e-16	7e-03
4:	1.2369e+01	1.2370e+01	6e-02	2e-02	2e-15	1e-03
5:	1.2394e+01	1.2394e+01	7e-03	2e-03	2e-15	2e-04
6:	1.2397e+01	1.2397e+01	7e-05	2e-05	8e-16	2e-06
7:	1.2397e+01	1.2397e+01	7e-07	2e-07	6e-16	2e-08
8:	1.2397e+01	1.2397e+01	7e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6657e+00	6.6736e+00	8e+00	3e+00	4e-16	2e-01
2:	9.6043e+00	9.6073e+00	2e+00	6e-01	2e-15	5e-02
3:	1.0445e+01	1.0445e+01	3e-01	9e-02	9e-16	6e-03
4:	1.0588e+01	1.0588e+01	2e-02	7e-03	1e-15	5e-04
5:	1.0599e+01	1.0599e+01	2e-04	8e-05	7e-16	6e-06
6:	1.0600e+01	1.0600e+01	2e-06	8e-07	8e-16	6e-08
7:	1.0600e+01	1.0600e+01	2e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.5099e+00	8.5167e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1742e+01	1.1744e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2671e+01	1.2671e+01	5e-01	2e-01	2e-15	1e-02
4:	1.2986e+01	1.2986e+01	5e-02	1e-02	8e-16	1e-03
5:	1.3008e+01	1.3008e+01	8e-04	3e-04	3e-15	2e-05
6:	1.3008e+01	1.3008e+01	8e-06	3e-06	2e-15	2e-07
7:	1.3008e+01	1.3008e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	8.4516e+00	8.4595e+00	7e+00	2e+00	7e-16	2e-01
2:	1.2056e+01	1.2058e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2754e+01	1.2754e+01	4e-01	1e-01	1e-15	8e-03
4:	1.2919e+01	1.2919e+01	6e-02	2e-02	2e-15	1e-03
5:	1.2952e+01	1.2952e+01	2e-03	6e-04	3e-15	4e-05
6:	1.2953e+01	1.2953e+01	2e-05	6e-06	5e-15	4e-07
7:	1.2953e+01	1.2953e+01	2e-07	6e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.5116e+00	8.5215e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1988e+01	1.1992e+01	2e+00	8e-01	3e-15	5e-02
3:	1.3494e+01	1.3495e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3677e+01	1.3678e+01	4e-02	1e-02	2e-15	1e-03
5:	1.3697e+01	1.3697e+01	6e-04	2e-04	1e-15	2e-05
6:	1.3697e+01	1.3697e+01	6e-06	2e-06	1e-15	2e-07
7:	1.3697e+01	1.3697e+01	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8097e+00	8.8187e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1923e+01	1.1927e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2657e+01	1.2659e+01	6e-01	2e-01	3e-15	1e-02
4:	1.2917e+01	1.2918e+01	1e-01	4e-02	2e-15	3e-03
5:	1.2995e+01	1.2995e+01	3e-03	1e-03	8e-16	7e-05
6:	1.2996e+01	1.2996e+01	3e-05	1e-05	7e-16	7e-07
7:	1.2996e+01	1.2996e+01	3e-07	1e-07	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7410e+00	8.7517e+00	7e+00	2e+00	3e-16	1e-01
2:	1.2284e+01	1.2288e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3090e+01	1.3091e+01	3e-01	1e-01	2e-15	7e-03
4:	1.3227e+01	1.3227e+01	4e-02	1e-02	2e-15	1e-03
5:	1.3249e+01	1.3250e+01	5e-03	2e-03	1e-15	1e-04
6:	1.3252e+01	1.3252e+01	2e-04	6e-05	1e-14	4e-06
7:	1.3252e+01	1.3252e+01	2e-06	6e-07	6e-15	4e-08
8:	1.3252e+01	1.3252e+01	2e-08	6e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.9532e+00	9.9597e+00	6e+00	2e+00	3e-16	1e-01
2:	1.3128e+01	1.3131e+01	2e+00	8e-01	1e-15	6e-02
3:	1.3943e+01	1.3944e+01	8e-01	2e-01	2e-15	2e-02
4:	1.4219e+01	1.4219e+01	3e-01	8e-02	2e-15	6e-03
5:	1.4330e+01	1.4330e+01	3e-02	9e-03	2e-15	7e-04
6:	1.4344e+01	1.4344e+01	4e-04	1e-04	1e-15	9e-06
7:	1.4345e+01	1.4345e+01	4e-06	1e-06	9e-16	9e-08

8:	1.4345e+01	1.4345e+01	4e-08	1e-08	8e-16	9e-10
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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0730e+01	1.0734e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3384e+01	1.3385e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4363e+01	1.4364e+01	3e-01	1e-01	2e-15	7e-03
4:	1.4527e+01	1.4527e+01	4e-02	1e-02	2e-15	1e-03
5:	1.4548e+01	1.4548e+01	5e-03	2e-03	2e-14	1e-04
6:	1.4551e+01	1.4551e+01	2e-04	6e-05	3e-14	5e-06
7:	1.4551e+01	1.4551e+01	2e-06	6e-07	9e-15	5e-08
8:	1.4551e+01	1.4551e+01	2e-08	6e-09	9e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8853e+00	7.8941e+00	8e+00	3e+00	2e-16	2e-01
2:	1.1620e+01	1.1623e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2623e+01	1.2624e+01	5e-01	2e-01	2e-15	1e-02
4:	1.2869e+01	1.2869e+01	9e-02	3e-02	7e-16	2e-03
5:	1.2915e+01	1.2915e+01	3e-03	9e-04	1e-15	7e-05
6:	1.2916e+01	1.2916e+01	3e-05	9e-06	9e-16	7e-07
7:	1.2916e+01	1.2916e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0352e+01	1.0356e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4709e+01	1.4710e+01	7e-01	2e-01	1e-15	2e-02
3:	1.4981e+01	1.4981e+01	5e-02	2e-02	4e-15	1e-03
4:	1.5000e+01	1.5000e+01	5e-04	2e-04	2e-15	1e-05
5:	1.5000e+01	1.5000e+01	5e-06	2e-06	2e-15	1e-07
6:	1.5000e+01	1.5000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3290e+00	9.3352e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3352e+01	1.3354e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4008e+01	1.4009e+01	3e-01	1e-01	1e-15	8e-03
4:	1.4214e+01	1.4214e+01	3e-02	1e-02	1e-15	8e-04
5:	1.4230e+01	1.4230e+01	3e-04	1e-04	2e-15	8e-06
6:	1.4231e+01	1.4231e+01	3e-06	1e-06	2e-15	8e-08
7:	1.4231e+01	1.4231e+01	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9410e+00	6.9548e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0163e+01	1.0166e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0603e+01	1.0604e+01	3e-01	1e-01	1e-15	8e-03
4:	1.0704e+01	1.0704e+01	1e-01	5e-02	7e-16	3e-03

5:	1.0759e+01	1.0759e+01	2e-02	7e-03	2e-15	5e-04
6:	1.0769e+01	1.0769e+01	3e-04	9e-05	6e-16	7e-06
7:	1.0769e+01	1.0769e+01	3e-06	9e-07	6e-16	7e-08
8:	1.0769e+01	1.0769e+01	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9318e+00	8.9421e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2545e+01	1.2549e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3285e+01	1.3286e+01	6e-01	2e-01	1e-15	1e-02
4:	1.3651e+01	1.3651e+01	4e-02	1e-02	1e-15	9e-04
5:	1.3669e+01	1.3669e+01	4e-04	1e-04	8e-16	9e-06
6:	1.3669e+01	1.3669e+01	4e-06	1e-06	5e-16	9e-08
7:	1.3669e+01	1.3669e+01	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0148e+01	1.0153e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4109e+01	1.4110e+01	1e+00	3e-01	2e-15	3e-02
3:	1.4481e+01	1.4481e+01	2e-01	7e-02	5e-15	5e-03
4:	1.4569e+01	1.4570e+01	4e-02	1e-02	3e-15	9e-04
5:	1.4590e+01	1.4590e+01	1e-03	5e-04	9e-16	4e-05
6:	1.4591e+01	1.4591e+01	1e-05	5e-06	1e-15	4e-07
7:	1.4591e+01	1.4591e+01	1e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4741e+00	8.4894e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1915e+01	1.1923e+01	3e+00	9e-01	2e-15	6e-02
3:	1.2788e+01	1.2790e+01	7e-01	2e-01	2e-15	1e-02
4:	1.3100e+01	1.3102e+01	3e-01	9e-02	1e-15	7e-03
5:	1.3205e+01	1.3205e+01	2e-02	7e-03	7e-16	5e-04
6:	1.3214e+01	1.3214e+01	3e-04	9e-05	1e-15	6e-06
7:	1.3214e+01	1.3214e+01	3e-06	9e-07	1e-15	6e-08
8:	1.3214e+01	1.3214e+01	3e-08	9e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.9159e+00	8.9225e+00	7e+00	2e+00	2e-16	2e-01
2:	1.3024e+01	1.3027e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3812e+01	1.3813e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3957e+01	1.3957e+01	5e-02	2e-02	2e-15	1e-03
5:	1.3985e+01	1.3985e+01	1e-03	4e-04	1e-15	3e-05
6:	1.3985e+01	1.3985e+01	1e-05	4e-06	9e-16	3e-07
7:	1.3985e+01	1.3985e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00



1:	7.8793e+00	7.8943e+00	8e+00	3e+00	4e-16	2e-01
2:	1.2873e+01	1.2876e+01	1e+00	3e-01	1e-15	2e-02
3:	1.3247e+01	1.3247e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3308e+01	1.3308e+01	1e-03	5e-04	9e-16	3e-05
5:	1.3309e+01	1.3309e+01	1e-05	5e-06	7e-16	3e-07
6:	1.3309e+01	1.3309e+01	1e-07	5e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.3232e+00	9.3316e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2728e+01	1.2733e+01	3e+00	9e-01	1e-15	7e-02
3:	1.3670e+01	1.3672e+01	1e+00	3e-01	2e-15	2e-02
4:	1.4237e+01	1.4237e+01	1e-01	3e-02	8e-16	2e-03
5:	1.4290e+01	1.4290e+01	1e-03	5e-04	5e-16	3e-05
6:	1.4291e+01	1.4291e+01	1e-05	5e-06	8e-16	3e-07
7:	1.4291e+01	1.4291e+01	1e-07	5e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3358e+00	7.3496e+00	9e+00	3e+00	4e-16	2e-01
2:	1.1644e+01	1.1648e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2375e+01	1.2376e+01	6e-01	2e-01	9e-16	1e-02
4:	1.2620e+01	1.2620e+01	1e-01	4e-02	3e-15	3e-03
5:	1.2653e+01	1.2653e+01	3e-02	1e-02	1e-14	8e-04
6:	1.2670e+01	1.2670e+01	5e-03	2e-03	2e-15	1e-04
7:	1.2672e+01	1.2672e+01	7e-04	2e-04	3e-14	2e-05
8:	1.2672e+01	1.2672e+01	7e-06	2e-06	2e-15	2e-07
9:	1.2672e+01	1.2672e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.9893e+00	9.9960e+00	7e+00	2e+00	4e-16	2e-01
2:	1.4254e+01	1.4256e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4778e+01	1.4779e+01	3e-01	1e-01	3e-15	8e-03
4:	1.4946e+01	1.4946e+01	8e-02	2e-02	5e-15	2e-03
5:	1.4984e+01	1.4984e+01	9e-03	3e-03	1e-14	2e-04
6:	1.4988e+01	1.4988e+01	8e-04	2e-04	5e-14	2e-05
7:	1.4989e+01	1.4989e+01	8e-06	3e-06	6e-15	2e-07
8:	1.4989e+01	1.4989e+01	8e-08	3e-08	8e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8081e+00	7.8161e+00	8e+00	2e+00	2e-16	2e-01
2:	1.1672e+01	1.1674e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2139e+01	1.2139e+01	3e-01	8e-02	1e-15	6e-03
4:	1.2298e+01	1.2298e+01	4e-02	1e-02	1e-15	1e-03
5:	1.2318e+01	1.2318e+01	5e-03	2e-03	8e-16	1e-04
6:	1.2320e+01	1.2320e+01	5e-05	2e-05	1e-15	1e-06

7: 1.2320e+01 1.2320e+01 5e-07 2e-07 9e-16 1e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1340e+01	1.1342e+01	6e+00	2e+00	2e-16	1e-01
2:	1.4231e+01	1.4231e+01	1e+00	4e-01	1e-15	3e-02
3:	1.4944e+01	1.4944e+01	1e-01	3e-02	3e-15	3e-03
4:	1.4999e+01	1.4999e+01	2e-03	6e-04	1e-14	5e-05
5:	1.5000e+01	1.5000e+01	2e-05	6e-06	5e-15	5e-07
6:	1.5000e+01	1.5000e+01	2e-07	6e-08	5e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4530e+00	7.4562e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1043e+01	1.1045e+01	2e+00	6e-01	3e-15	4e-02
3:	1.1701e+01	1.1701e+01	5e-01	2e-01	3e-15	1e-02
4:	1.1849e+01	1.1849e+01	2e-01	6e-02	4e-15	4e-03
5:	1.1947e+01	1.1947e+01	2e-02	6e-03	9e-16	5e-04
6:	1.1955e+01	1.1955e+01	6e-04	2e-04	8e-15	1e-05
7:	1.1955e+01	1.1955e+01	6e-06	2e-06	1e-14	1e-07
8:	1.1955e+01	1.1955e+01	6e-08	2e-08	2e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9793e+00	9.9842e+00	7e+00	2e+00	6e-16	2e-01
2:	1.3849e+01	1.3851e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4557e+01	1.4557e+01	2e-01	5e-02	2e-15	4e-03
4:	1.4640e+01	1.4640e+01	4e-03	1e-03	3e-15	1e-04
5:	1.4643e+01	1.4643e+01	4e-05	1e-05	1e-15	1e-06
6:	1.4643e+01	1.4643e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0419e+01	1.0424e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3829e+01	1.3830e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4602e+01	1.4603e+01	4e-01	1e-01	4e-15	9e-03
4:	1.4724e+01	1.4725e+01	1e-01	5e-02	5e-15	4e-03
5:	1.4795e+01	1.4795e+01	3e-02	1e-02	4e-15	8e-04
6:	1.4807e+01	1.4807e+01	9e-03	3e-03	3e-14	2e-04
7:	1.4811e+01	1.4811e+01	3e-04	1e-04	1e-15	8e-06
8:	1.4812e+01	1.4812e+01	3e-06	1e-06	1e-14	8e-08
9:	1.4812e+01	1.4812e+01	3e-08	1e-08	1e-14	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9572e+00	7.9734e+00	8e+00	3e+00	2e-16	2e-01
2:	1.2514e+01	1.2518e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3181e+01	1.3182e+01	3e-01	1e-01	9e-16	8e-03

4:	1.3307e+01	1.3308e+01	7e-02	2e-02	4e-15	2e-03
5:	1.3344e+01	1.3344e+01	3e-03	1e-03	8e-16	8e-05
6:	1.3345e+01	1.3345e+01	3e-05	1e-05	2e-15	8e-07
7:	1.3345e+01	1.3345e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0900e+00	8.0963e+00	8e+00	2e+00	5e-16	2e-01
2:	1.1977e+01	1.1978e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3142e+01	1.3142e+01	3e-01	1e-01	2e-15	8e-03
4:	1.3309e+01	1.3309e+01	5e-02	1e-02	9e-15	1e-03
5:	1.3338e+01	1.3338e+01	6e-04	2e-04	1e-15	1e-05
6:	1.3338e+01	1.3338e+01	6e-06	2e-06	2e-15	1e-07
7:	1.3338e+01	1.3338e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9455e+00	8.9549e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2895e+01	1.2897e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3383e+01	1.3383e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3428e+01	1.3428e+01	2e-02	7e-03	4e-15	5e-04
5:	1.3439e+01	1.3439e+01	1e-03	4e-04	5e-16	3e-05
6:	1.3440e+01	1.3440e+01	1e-05	4e-06	7e-16	3e-07
7:	1.3440e+01	1.3440e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.7605e+00	9.7692e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3469e+01	1.3473e+01	2e+00	8e-01	2e-15	5e-02
3:	1.4239e+01	1.4240e+01	7e-01	2e-01	2e-15	2e-02
4:	1.4556e+01	1.4557e+01	2e-01	7e-02	1e-15	5e-03
5:	1.4638e+01	1.4638e+01	6e-02	2e-02	4e-15	1e-03
6:	1.4669e+01	1.4669e+01	6e-04	2e-04	5e-16	2e-05
7:	1.4670e+01	1.4670e+01	6e-06	2e-06	7e-16	2e-07
8:	1.4670e+01	1.4670e+01	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0123e+01	1.0130e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4983e+01	1.4985e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5474e+01	1.5475e+01	3e-01	9e-02	2e-15	7e-03
4:	1.5617e+01	1.5617e+01	2e-02	7e-03	3e-15	5e-04
5:	1.5628e+01	1.5628e+01	2e-04	7e-05	1e-15	5e-06
6:	1.5628e+01	1.5628e+01	2e-06	7e-07	9e-16	5e-08
7:	1.5628e+01	1.5628e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	8.1039e+00	8.1133e+00	9e+00	3e+00	4e-16	2e-01
2:	1.1943e+01	1.1947e+01	2e+00	7e-01	9e-16	5e-02
3:	1.2875e+01	1.2876e+01	4e-01	1e-01	1e-15	8e-03
4:	1.3030e+01	1.3030e+01	4e-02	1e-02	1e-15	1e-03
5:	1.3053e+01	1.3053e+01	5e-03	2e-03	1e-15	1e-04
6:	1.3055e+01	1.3055e+01	5e-05	2e-05	1e-15	1e-06
7:	1.3055e+01	1.3055e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0229e+01	1.0233e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4650e+01	1.4651e+01	1e+00	3e-01	2e-15	2e-02
3:	1.5096e+01	1.5096e+01	8e-02	2e-02	1e-15	2e-03
4:	1.5140e+01	1.5140e+01	8e-04	3e-04	1e-15	2e-05
5:	1.5141e+01	1.5141e+01	8e-06	3e-06	1e-15	2e-07
6:	1.5141e+01	1.5141e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1005e+01	1.1009e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5403e+01	1.5404e+01	9e-01	3e-01	1e-15	2e-02
3:	1.5829e+01	1.5829e+01	1e-01	4e-02	3e-15	3e-03
4:	1.5888e+01	1.5888e+01	2e-02	6e-03	4e-15	4e-04
5:	1.5898e+01	1.5898e+01	7e-04	2e-04	9e-15	2e-05
6:	1.5898e+01	1.5898e+01	7e-06	2e-06	1e-14	2e-07
7:	1.5898e+01	1.5898e+01	7e-08	2e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5880e+00	7.5989e+00	8e+00	3e+00	4e-16	2e-01
2:	1.1514e+01	1.1517e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2014e+01	1.2015e+01	3e-01	9e-02	8e-16	6e-03
4:	1.2136e+01	1.2137e+01	8e-02	3e-02	8e-16	2e-03
5:	1.2175e+01	1.2175e+01	7e-03	2e-03	1e-15	2e-04
6:	1.2178e+01	1.2178e+01	7e-05	2e-05	9e-16	2e-06
7:	1.2178e+01	1.2178e+01	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0797e+01	1.0803e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4396e+01	1.4399e+01	1e+00	5e-01	2e-15	3e-02
3:	1.5068e+01	1.5068e+01	3e-01	9e-02	1e-15	6e-03
4:	1.5208e+01	1.5208e+01	3e-02	9e-03	2e-15	7e-04
5:	1.5221e+01	1.5221e+01	3e-04	9e-05	2e-15	7e-06
6:	1.5221e+01	1.5221e+01	3e-06	9e-07	2e-15	7e-08
7:	1.5221e+01	1.5221e+01	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1023e+00	8.1097e+00	8e+00	3e+00	6e-16	2e-01
2:	1.1980e+01	1.1982e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2905e+01	1.2906e+01	5e-01	2e-01	1e-15	1e-02
4:	1.3124e+01	1.3124e+01	6e-02	2e-02	2e-15	1e-03
5:	1.3155e+01	1.3155e+01	8e-04	2e-04	2e-15	2e-05
6:	1.3155e+01	1.3155e+01	8e-06	2e-06	1e-15	2e-07
7:	1.3155e+01	1.3155e+01	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7870e+00	7.8000e+00	9e+00	3e+00	3e-16	2e-01
2:	1.1275e+01	1.1279e+01	2e+00	6e-01	8e-16	4e-02
3:	1.2017e+01	1.2019e+01	5e-01	1e-01	9e-16	1e-02
4:	1.2198e+01	1.2198e+01	1e-01	3e-02	6e-16	2e-03
5:	1.2244e+01	1.2244e+01	7e-03	2e-03	1e-15	2e-04
6:	1.2247e+01	1.2247e+01	8e-05	2e-05	1e-15	2e-06
7:	1.2247e+01	1.2247e+01	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6281e+00	8.6405e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2542e+01	1.2546e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3257e+01	1.3258e+01	3e-01	9e-02	1e-15	7e-03
4:	1.3385e+01	1.3385e+01	4e-02	1e-02	2e-15	9e-04
5:	1.3406e+01	1.3406e+01	9e-04	3e-04	2e-15	2e-05
6:	1.3406e+01	1.3406e+01	9e-06	3e-06	9e-16	2e-07
7:	1.3406e+01	1.3406e+01	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0783e+00	8.0878e+00	8e+00	2e+00	8e-16	2e-01
2:	1.2488e+01	1.2492e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3222e+01	1.3223e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3336e+01	1.3337e+01	9e-02	3e-02	4e-15	2e-03
5:	1.3379e+01	1.3379e+01	3e-03	9e-04	1e-15	7e-05
6:	1.3380e+01	1.3380e+01	3e-05	9e-06	2e-15	7e-07
7:	1.3380e+01	1.3380e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0954e+01	1.0959e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3554e+01	1.3557e+01	2e+00	8e-01	1e-15	6e-02
3:	1.4688e+01	1.4689e+01	3e-01	8e-02	1e-15	6e-03
4:	1.4824e+01	1.4824e+01	4e-02	1e-02	1e-15	1e-03
5:	1.4846e+01	1.4846e+01	3e-03	9e-04	2e-15	7e-05
6:	1.4848e+01	1.4848e+01	3e-05	1e-05	7e-16	7e-07
7:	1.4848e+01	1.4848e+01	3e-07	1e-07	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.4174e+00	9.4229e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2528e+01	1.2530e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3232e+01	1.3233e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3388e+01	1.3388e+01	8e-02	2e-02	1e-15	2e-03
5:	1.3422e+01	1.3422e+01	1e-03	4e-04	1e-15	3e-05
6:	1.3423e+01	1.3423e+01	1e-05	4e-06	8e-16	3e-07
7:	1.3423e+01	1.3423e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0997e+01	1.1003e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4984e+01	1.4987e+01	1e+00	5e-01	1e-15	3e-02
3:	1.5615e+01	1.5616e+01	3e-01	9e-02	5e-15	7e-03
4:	1.5728e+01	1.5729e+01	5e-02	2e-02	2e-15	1e-03
5:	1.5747e+01	1.5747e+01	6e-04	2e-04	3e-15	1e-05
6:	1.5747e+01	1.5747e+01	6e-06	2e-06	3e-15	1e-07
7:	1.5747e+01	1.5747e+01	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0074e+01	1.0083e+01	7e+00	2e+00	5e-16	2e-01
2:	1.4118e+01	1.4121e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4900e+01	1.4900e+01	2e-01	8e-02	1e-15	6e-03
4:	1.4999e+01	1.4999e+01	6e-02	2e-02	3e-15	1e-03
5:	1.5031e+01	1.5031e+01	4e-03	1e-03	1e-15	1e-04
6:	1.5033e+01	1.5033e+01	4e-05	1e-05	2e-15	1e-06
7:	1.5033e+01	1.5033e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2392e+01	1.2393e+01	5e+00	2e+00	5e-16	1e-01
2:	1.4978e+01	1.4979e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5732e+01	1.5732e+01	2e-01	6e-02	5e-15	5e-03
4:	1.5829e+01	1.5829e+01	1e-02	4e-03	5e-15	3e-04
5:	1.5835e+01	1.5835e+01	3e-03	8e-04	1e-15	6e-05
6:	1.5836e+01	1.5836e+01	1e-04	5e-05	2e-15	4e-06
7:	1.5836e+01	1.5836e+01	3e-06	8e-07	2e-15	6e-08
8:	1.5836e+01	1.5836e+01	3e-08	8e-09	8e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6498e+00	7.6570e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1328e+01	1.1330e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2053e+01	1.2054e+01	2e-01	6e-02	2e-15	4e-03
4:	1.2143e+01	1.2143e+01	1e-02	4e-03	2e-15	3e-04

5:	1.2150e+01	1.2150e+01	3e-04	8e-05	2e-15	6e-06
6:	1.2150e+01	1.2150e+01	3e-06	8e-07	2e-15	6e-08
7:	1.2150e+01	1.2150e+01	3e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7573e+00	6.7763e+00	8e+00	3e+00	2e-16	2e-01
2:	1.0512e+01	1.0520e+01	2e+00	8e-01	2e-15	5e-02
3:	1.1721e+01	1.1723e+01	5e-01	2e-01	2e-15	1e-02
4:	1.1939e+01	1.1939e+01	1e-01	3e-02	5e-15	2e-03
5:	1.1992e+01	1.1992e+01	2e-03	6e-04	9e-16	4e-05
6:	1.1993e+01	1.1993e+01	2e-05	6e-06	2e-15	4e-07
7:	1.1993e+01	1.1993e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.5129e+00	9.5218e+00	8e+00	3e+00	5e-16	2e-01
2:	1.3153e+01	1.3157e+01	3e+00	9e-01	2e-15	7e-02
3:	1.4631e+01	1.4632e+01	4e-01	1e-01	1e-15	9e-03
4:	1.4856e+01	1.4856e+01	1e-02	3e-03	1e-15	2e-04
5:	1.4861e+01	1.4861e+01	1e-04	3e-05	1e-15	2e-06
6:	1.4861e+01	1.4861e+01	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.1105e+00	8.1278e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1586e+01	1.1592e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2566e+01	1.2568e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2832e+01	1.2833e+01	5e-02	2e-02	2e-15	1e-03
5:	1.2853e+01	1.2853e+01	1e-02	3e-03	1e-14	2e-04
6:	1.2858e+01	1.2858e+01	2e-04	7e-05	1e-15	6e-06
7:	1.2858e+01	1.2858e+01	2e-06	7e-07	5e-15	6e-08
8:	1.2858e+01	1.2858e+01	2e-08	7e-09	5e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6586e+00	6.6668e+00	8e+00	3e+00	3e-16	2e-01
2:	9.9213e+00	9.9244e+00	2e+00	8e-01	1e-15	5e-02
3:	1.0851e+01	1.0852e+01	4e-01	1e-01	2e-15	1e-02
4:	1.1086e+01	1.1086e+01	5e-02	2e-02	1e-15	1e-03
5:	1.1109e+01	1.1109e+01	8e-04	3e-04	1e-15	2e-05
6:	1.1109e+01	1.1109e+01	8e-06	3e-06	2e-15	2e-07
7:	1.1109e+01	1.1109e+01	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1308e+00	8.1378e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1860e+01	1.1862e+01	2e+00	6e-01	1e-15	4e-02

3:	1.2751e+01	1.2751e+01	5e-01	2e-01	6e-16	1e-02
4:	1.2903e+01	1.2903e+01	2e-01	6e-02	4e-15	4e-03
5:	1.2997e+01	1.2997e+01	7e-03	2e-03	6e-16	2e-04
6:	1.3000e+01	1.3000e+01	7e-05	2e-05	9e-16	2e-06
7:	1.3000e+01	1.3000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0313e+01	1.0319e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4520e+01	1.4522e+01	2e+00	6e-01	2e-15	4e-02
3:	1.5596e+01	1.5597e+01	4e-01	1e-01	3e-15	9e-03
4:	1.5784e+01	1.5784e+01	7e-02	2e-02	4e-15	2e-03
5:	1.5827e+01	1.5827e+01	6e-03	2e-03	1e-14	1e-04
6:	1.5830e+01	1.5830e+01	7e-05	2e-05	1e-14	2e-06
7:	1.5830e+01	1.5830e+01	7e-07	2e-07	1e-14	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0438e+00	8.0609e+00	9e+00	3e+00	2e-16	2e-01
2:	1.2076e+01	1.2083e+01	3e+00	8e-01	2e-15	6e-02
3:	1.3155e+01	1.3158e+01	9e-01	3e-01	9e-16	2e-02
4:	1.3384e+01	1.3386e+01	4e-01	1e-01	2e-15	9e-03
5:	1.3604e+01	1.3605e+01	4e-02	1e-02	1e-15	1e-03
6:	1.3622e+01	1.3622e+01	5e-04	2e-04	5e-16	1e-05
7:	1.3623e+01	1.3623e+01	5e-06	2e-06	8e-16	1e-07
8:	1.3623e+01	1.3623e+01	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0977e+01	1.0980e+01	6e+00	2e+00	3e-16	2e-01
2:	1.4232e+01	1.4234e+01	2e+00	5e-01	9e-16	4e-02
3:	1.4964e+01	1.4964e+01	2e-01	7e-02	9e-16	5e-03
4:	1.5094e+01	1.5094e+01	5e-03	1e-03	9e-16	1e-04
5:	1.5097e+01	1.5097e+01	5e-05	1e-05	8e-16	1e-06
6:	1.5097e+01	1.5097e+01	5e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3840e+00	8.3948e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3226e+01	1.3229e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3804e+01	1.3805e+01	3e-01	9e-02	6e-15	6e-03
4:	1.3936e+01	1.3936e+01	4e-02	1e-02	2e-15	8e-04
5:	1.3950e+01	1.3950e+01	4e-04	1e-04	6e-15	1e-05
6:	1.3950e+01	1.3950e+01	4e-06	1e-06	5e-15	1e-07
7:	1.3950e+01	1.3950e+01	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00



1:	9.0831e+00	9.0977e+00	8e+00	2e+00	4e-16	2e-01
2:	1.3391e+01	1.3396e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4421e+01	1.4422e+01	2e-01	7e-02	1e-15	5e-03
4:	1.4535e+01	1.4535e+01	4e-02	1e-02	7e-15	8e-04
5:	1.4551e+01	1.4551e+01	4e-03	1e-03	2e-14	9e-05
6:	1.4554e+01	1.4554e+01	4e-05	1e-05	3e-15	9e-07
7:	1.4554e+01	1.4554e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5851e+00	9.5920e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3901e+01	1.3903e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4321e+01	1.4322e+01	4e-01	1e-01	3e-15	1e-02
4:	1.4528e+01	1.4528e+01	4e-02	1e-02	8e-16	1e-03
5:	1.4545e+01	1.4545e+01	4e-04	1e-04	1e-15	1e-05
6:	1.4545e+01	1.4545e+01	4e-06	1e-06	1e-15	1e-07
7:	1.4545e+01	1.4545e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.1026e+00	7.1123e+00	8e+00	3e+00	4e-16	2e-01
2:	1.0912e+01	1.0916e+01	2e+00	7e-01	2e-15	5e-02
3:	1.1743e+01	1.1744e+01	7e-01	2e-01	8e-16	2e-02
4:	1.1951e+01	1.1952e+01	2e-01	8e-02	2e-15	6e-03
5:	1.2045e+01	1.2046e+01	7e-02	2e-02	7e-16	2e-03
6:	1.2078e+01	1.2078e+01	3e-03	1e-03	2e-15	8e-05
7:	1.2080e+01	1.2080e+01	3e-05	1e-05	4e-16	8e-07
8:	1.2080e+01	1.2080e+01	3e-07	1e-07	4e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7497e+00	8.7650e+00	8e+00	3e+00	4e-16	2e-01
2:	1.2250e+01	1.2255e+01	2e+00	7e-01	1e-15	5e-02
3:	1.3507e+01	1.3509e+01	5e-01	1e-01	2e-15	1e-02
4:	1.3671e+01	1.3672e+01	2e-01	5e-02	2e-15	4e-03
5:	1.3738e+01	1.3738e+01	4e-03	1e-03	1e-15	8e-05
6:	1.3739e+01	1.3739e+01	4e-04	1e-04	1e-15	1e-05
7:	1.3739e+01	1.3739e+01	3e-05	1e-05	5e-16	8e-07
8:	1.3739e+01	1.3739e+01	3e-07	1e-07	9e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1345e+01	1.1349e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4395e+01	1.4397e+01	2e+00	6e-01	2e-15	4e-02
3:	1.5193e+01	1.5194e+01	5e-01	2e-01	3e-15	1e-02
4:	1.5379e+01	1.5379e+01	1e-01	4e-02	2e-15	3e-03
5:	1.5425e+01	1.5426e+01	3e-02	1e-02	1e-15	8e-04
6:	1.5440e+01	1.5440e+01	5e-03	2e-03	5e-15	1e-04

7:	1.5442e+01	1.5442e+01	5e-05	2e-05	9e-16	1e-06
8:	1.5442e+01	1.5442e+01	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0683e+01	1.0687e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4700e+01	1.4701e+01	1e+00	3e-01	2e-15	2e-02
3:	1.5079e+01	1.5079e+01	3e-01	9e-02	1e-15	6e-03
4:	1.5150e+01	1.5150e+01	9e-02	3e-02	8e-15	2e-03
5:	1.5191e+01	1.5191e+01	9e-03	3e-03	1e-15	2e-04
6:	1.5195e+01	1.5195e+01	1e-04	3e-05	2e-15	2e-06
7:	1.5195e+01	1.5195e+01	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9583e+00	7.9690e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1833e+01	1.1836e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2288e+01	1.2289e+01	2e-01	8e-02	8e-16	6e-03
4:	1.2415e+01	1.2415e+01	4e-02	1e-02	8e-16	9e-04
5:	1.2429e+01	1.2429e+01	7e-03	2e-03	4e-15	2e-04
6:	1.2432e+01	1.2432e+01	7e-05	2e-05	7e-16	2e-06
7:	1.2432e+01	1.2432e+01	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6878e+00	7.6955e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1103e+01	1.1106e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1797e+01	1.1798e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2002e+01	1.2002e+01	1e-01	4e-02	2e-15	3e-03
5:	1.2061e+01	1.2061e+01	6e-03	2e-03	9e-16	2e-04
6:	1.2063e+01	1.2063e+01	6e-05	2e-05	2e-15	2e-06
7:	1.2063e+01	1.2063e+01	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.7291e+00	9.7381e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2839e+01	1.2843e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4086e+01	1.4088e+01	4e-01	1e-01	1e-15	1e-02
4:	1.4290e+01	1.4290e+01	3e-02	9e-03	1e-15	7e-04
5:	1.4304e+01	1.4304e+01	3e-04	9e-05	9e-16	7e-06
6:	1.4304e+01	1.4304e+01	3e-06	9e-07	9e-16	7e-08
7:	1.4304e+01	1.4304e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6019e+00	8.6113e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1551e+01	1.1555e+01	2e+00	7e-01	9e-16	5e-02
3:	1.2516e+01	1.2517e+01	4e-01	1e-01	1e-15	8e-03

4:	1.2580e+01	1.2581e+01	2e-01	8e-02	2e-15	6e-03
5:	1.2700e+01	1.2700e+01	5e-02	2e-02	8e-16	1e-03
6:	1.2720e+01	1.2720e+01	1e-03	4e-04	1e-15	3e-05
7:	1.2720e+01	1.2720e+01	1e-05	4e-06	1e-15	3e-07
8:	1.2720e+01	1.2720e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0347e+01	1.0355e+01	7e+00	2e+00	6e-16	2e-01
2:	1.4544e+01	1.4546e+01	1e+00	4e-01	3e-15	3e-02
3:	1.5032e+01	1.5033e+01	4e-01	1e-01	2e-15	1e-02
4:	1.5315e+01	1.5315e+01	2e-02	5e-03	9e-16	4e-04
5:	1.5323e+01	1.5323e+01	2e-04	5e-05	7e-16	4e-06
6:	1.5323e+01	1.5323e+01	2e-06	5e-07	7e-16	4e-08
7:	1.5323e+01	1.5323e+01	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.2525e+00	9.2587e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3184e+01	1.3186e+01	1e+00	3e-01	1e-15	3e-02
3:	1.3672e+01	1.3673e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3820e+01	1.3821e+01	4e-02	1e-02	8e-16	9e-04
5:	1.3840e+01	1.3840e+01	4e-03	1e-03	1e-15	9e-05
6:	1.3842e+01	1.3842e+01	4e-05	1e-05	2e-15	9e-07
7:	1.3842e+01	1.3842e+01	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.9414e+00	9.9508e+00	7e+00	2e+00	2e-16	2e-01
2:	1.3656e+01	1.3659e+01	2e+00	6e-01	3e-15	4e-02
3:	1.4516e+01	1.4517e+01	3e-01	9e-02	1e-15	7e-03
4:	1.4672e+01	1.4672e+01	4e-02	1e-02	8e-16	9e-04
5:	1.4696e+01	1.4696e+01	7e-04	2e-04	7e-16	2e-05
6:	1.4696e+01	1.4696e+01	7e-06	2e-06	7e-16	2e-07
7:	1.4696e+01	1.4696e+01	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9598e+00	8.9733e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3017e+01	1.3021e+01	2e+00	5e-01	2e-15	3e-02
3:	1.3682e+01	1.3682e+01	3e-01	9e-02	2e-15	6e-03
4:	1.3785e+01	1.3785e+01	7e-02	2e-02	2e-15	2e-03
5:	1.3809e+01	1.3810e+01	1e-02	3e-03	4e-15	2e-04
6:	1.3813e+01	1.3813e+01	3e-03	9e-04	9e-15	6e-05
7:	1.3814e+01	1.3814e+01	1e-04	5e-05	4e-14	4e-06
8:	1.3814e+01	1.3814e+01	1e-06	5e-07	6e-15	4e-08
9:	1.3814e+01	1.3814e+01	1e-08	5e-09	7e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.1737e+00	8.1864e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2643e+01	1.2648e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3185e+01	1.3186e+01	4e-01	1e-01	8e-16	9e-03
4:	1.3381e+01	1.3381e+01	3e-02	9e-03	7e-16	7e-04
5:	1.3392e+01	1.3392e+01	3e-03	9e-04	2e-14	7e-05
6:	1.3393e+01	1.3393e+01	9e-05	3e-05	4e-14	2e-06
7:	1.3393e+01	1.3393e+01	9e-07	3e-07	1e-14	2e-08
8:	1.3393e+01	1.3393e+01	9e-09	3e-09	1e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.8271e+00	9.8342e+00	7e+00	2e+00	5e-16	2e-01
2:	1.4014e+01	1.4016e+01	2e+00	5e-01	1e-15	3e-02
3:	1.4900e+01	1.4900e+01	1e-01	4e-02	1e-15	3e-03
4:	1.4948e+01	1.4948e+01	2e-03	7e-04	6e-15	5e-05
5:	1.4949e+01	1.4949e+01	2e-05	7e-06	5e-15	5e-07
6:	1.4949e+01	1.4949e+01	2e-07	7e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0705e+01	1.0711e+01	7e+00	2e+00	4e-16	1e-01
2:	1.3562e+01	1.3564e+01	2e+00	6e-01	3e-15	4e-02
3:	1.4422e+01	1.4422e+01	5e-01	1e-01	3e-15	1e-02
4:	1.4682e+01	1.4682e+01	1e-01	4e-02	1e-15	3e-03
5:	1.4742e+01	1.4742e+01	2e-03	6e-04	9e-16	5e-05
6:	1.4743e+01	1.4743e+01	2e-05	6e-06	8e-16	5e-07
7:	1.4743e+01	1.4743e+01	2e-07	6e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0833e+00	9.0943e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3530e+01	1.3533e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4184e+01	1.4184e+01	9e-02	3e-02	2e-15	2e-03
4:	1.4232e+01	1.4232e+01	1e-02	4e-03	1e-15	3e-04
5:	1.4238e+01	1.4238e+01	1e-04	4e-05	8e-16	3e-06
6:	1.4238e+01	1.4238e+01	1e-06	4e-07	8e-16	3e-08
7:	1.4238e+01	1.4238e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.2894e+00	9.2979e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2125e+01	1.2128e+01	2e+00	7e-01	1e-15	5e-02
3:	1.3517e+01	1.3518e+01	3e-01	1e-01	8e-16	8e-03
4:	1.3653e+01	1.3653e+01	7e-03	2e-03	8e-16	2e-04
5:	1.3655e+01	1.3655e+01	7e-05	2e-05	7e-16	2e-06
6:	1.3655e+01	1.3655e+01	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3363e+00	8.3438e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1752e+01	1.1754e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2521e+01	1.2521e+01	2e-01	7e-02	7e-16	5e-03
4:	1.2618e+01	1.2618e+01	2e-02	7e-03	1e-15	5e-04
5:	1.2629e+01	1.2629e+01	3e-03	9e-04	1e-15	7e-05
6:	1.2631e+01	1.2631e+01	3e-05	9e-06	9e-16	7e-07
7:	1.2631e+01	1.2631e+01	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0115e+01	1.0121e+01	7e+00	2e+00	4e-16	1e-01
2:	1.4337e+01	1.4338e+01	1e+00	3e-01	2e-15	3e-02
3:	1.4902e+01	1.4902e+01	1e-01	4e-02	3e-15	3e-03
4:	1.4953e+01	1.4953e+01	3e-02	9e-03	2e-14	7e-04
5:	1.4970e+01	1.4970e+01	9e-04	3e-04	1e-15	2e-05
6:	1.4971e+01	1.4971e+01	9e-06	3e-06	5e-15	2e-07
7:	1.4971e+01	1.4971e+01	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0297e+01	1.0303e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4683e+01	1.4685e+01	9e-01	3e-01	2e-15	2e-02
3:	1.5044e+01	1.5044e+01	1e-01	5e-02	2e-15	3e-03
4:	1.5114e+01	1.5114e+01	1e-03	5e-04	6e-16	3e-05
5:	1.5115e+01	1.5115e+01	1e-05	5e-06	8e-16	3e-07
6:	1.5115e+01	1.5115e+01	1e-07	5e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3088e+00	8.3233e+00	8e+00	3e+00	4e-16	2e-01
2:	1.2184e+01	1.2188e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2860e+01	1.2861e+01	5e-01	2e-01	2e-15	1e-02
4:	1.3088e+01	1.3089e+01	2e-01	6e-02	1e-15	5e-03
5:	1.3182e+01	1.3182e+01	2e-02	7e-03	1e-15	5e-04
6:	1.3193e+01	1.3193e+01	3e-03	8e-04	7e-16	6e-05
7:	1.3195e+01	1.3195e+01	3e-05	1e-05	2e-15	7e-07
8:	1.3195e+01	1.3195e+01	3e-07	1e-07	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.4827e+00	6.4935e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0146e+01	1.0149e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0641e+01	1.0642e+01	5e-01	2e-01	1e-15	1e-02
4:	1.0832e+01	1.0832e+01	9e-02	3e-02	6e-16	2e-03
5:	1.0867e+01	1.0867e+01	2e-02	8e-03	1e-15	6e-04

6:	1.0878e+01	1.0878e+01	6e-04	2e-04	3e-15	1e-05
7:	1.0878e+01	1.0878e+01	6e-06	2e-06	9e-16	1e-07
8:	1.0878e+01	1.0878e+01	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2383e+00	8.2496e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2385e+01	1.2389e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3231e+01	1.3231e+01	2e-01	7e-02	8e-16	5e-03
4:	1.3339e+01	1.3339e+01	2e-02	5e-03	1e-15	4e-04
5:	1.3346e+01	1.3346e+01	2e-04	5e-05	4e-15	4e-06
6:	1.3346e+01	1.3346e+01	2e-06	5e-07	2e-15	4e-08
7:	1.3346e+01	1.3346e+01	2e-08	5e-09	4e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2307e+01	1.2311e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5333e+01	1.5335e+01	2e+00	6e-01	3e-15	4e-02
3:	1.5897e+01	1.5897e+01	6e-01	2e-01	3e-15	1e-02
4:	1.6230e+01	1.6230e+01	7e-02	2e-02	1e-15	2e-03
5:	1.6264e+01	1.6264e+01	7e-04	2e-04	6e-16	2e-05
6:	1.6264e+01	1.6264e+01	7e-06	2e-06	8e-16	2e-07
7:	1.6264e+01	1.6264e+01	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.6137e+00	9.6221e+00	7e+00	2e+00	3e-16	2e-01
2:	1.4799e+01	1.4801e+01	1e+00	3e-01	2e-15	2e-02
3:	1.5174e+01	1.5174e+01	2e-01	8e-02	6e-15	6e-03
4:	1.5302e+01	1.5303e+01	2e-02	7e-03	1e-15	6e-04
5:	1.5311e+01	1.5311e+01	2e-04	8e-05	2e-15	6e-06
6:	1.5312e+01	1.5312e+01	2e-06	8e-07	1e-15	6e-08
7:	1.5312e+01	1.5312e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1215e+01	1.1219e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4849e+01	1.4850e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5481e+01	1.5482e+01	4e-01	1e-01	1e-15	9e-03
4:	1.5617e+01	1.5618e+01	1e-01	3e-02	4e-15	2e-03
5:	1.5651e+01	1.5652e+01	3e-02	1e-02	1e-15	8e-04
6:	1.5666e+01	1.5666e+01	3e-04	1e-04	5e-16	8e-06
7:	1.5666e+01	1.5666e+01	3e-06	1e-06	7e-16	8e-08
8:	1.5666e+01	1.5666e+01	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	7.1276e+00	7.1491e+00	8e+00	3e+00	4e-16	2e-01

2:	1.1340e+01	1.1345e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1926e+01	1.1927e+01	2e-01	5e-02	8e-16	4e-03
4:	1.1977e+01	1.1977e+01	4e-02	1e-02	9e-15	9e-04
5:	1.1997e+01	1.1997e+01	4e-04	1e-04	8e-16	1e-05
6:	1.1997e+01	1.1997e+01	4e-06	1e-06	1e-15	1e-07
7:	1.1997e+01	1.1997e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0331e+01	1.0340e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5161e+01	1.5164e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5822e+01	1.5823e+01	2e-01	7e-02	2e-15	5e-03
4:	1.5908e+01	1.5909e+01	4e-02	1e-02	1e-14	8e-04
5:	1.5927e+01	1.5927e+01	5e-03	2e-03	2e-15	1e-04
6:	1.5929e+01	1.5929e+01	5e-05	2e-05	3e-15	1e-06
7:	1.5929e+01	1.5929e+01	5e-07	2e-07	4e-15	1e-08
8:	1.5929e+01	1.5929e+01	5e-09	2e-09	3e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0136e+01	1.0147e+01	7e+00	2e+00	4e-16	2e-01
2:	1.3517e+01	1.3521e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4518e+01	1.4519e+01	4e-01	1e-01	2e-15	9e-03
4:	1.4767e+01	1.4767e+01	3e-02	1e-02	1e-15	7e-04
5:	1.4785e+01	1.4785e+01	3e-04	1e-04	1e-15	7e-06
6:	1.4785e+01	1.4785e+01	3e-06	1e-06	1e-15	7e-08
7:	1.4785e+01	1.4785e+01	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2746e+01	1.2748e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6562e+01	1.6562e+01	7e-01	2e-01	2e-15	2e-02
3:	1.6983e+01	1.6983e+01	3e-02	9e-03	2e-15	7e-04
4:	1.7000e+01	1.7000e+01	3e-04	1e-04	1e-15	7e-06
5:	1.7000e+01	1.7000e+01	3e-06	1e-06	1e-15	7e-08
6:	1.7000e+01	1.7000e+01	3e-08	1e-08	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0401e+01	1.0412e+01	7e+00	2e+00	2e-16	2e-01
2:	1.3350e+01	1.3353e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4143e+01	1.4145e+01	3e-01	1e-01	1e-15	8e-03
4:	1.4263e+01	1.4263e+01	1e-02	4e-03	9e-16	3e-04
5:	1.4268e+01	1.4268e+01	3e-04	9e-05	2e-15	7e-06
6:	1.4268e+01	1.4268e+01	3e-06	9e-07	5e-16	7e-08
7:	1.4268e+01	1.4268e+01	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7549e+00	8.7664e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1861e+01	1.1866e+01	2e+00	8e-01	1e-15	5e-02
3:	1.2928e+01	1.2929e+01	5e-01	1e-01	1e-15	1e-02
4:	1.3131e+01	1.3131e+01	9e-02	3e-02	1e-15	2e-03
5:	1.3177e+01	1.3177e+01	1e-03	3e-04	1e-15	2e-05
6:	1.3177e+01	1.3177e+01	1e-05	3e-06	1e-15	2e-07
7:	1.3177e+01	1.3177e+01	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1633e+01	1.1639e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4204e+01	1.4206e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5054e+01	1.5055e+01	5e-01	1e-01	1e-15	1e-02
4:	1.5217e+01	1.5217e+01	2e-01	6e-02	5e-15	4e-03
5:	1.5298e+01	1.5299e+01	4e-02	1e-02	1e-15	1e-03
6:	1.5314e+01	1.5314e+01	9e-03	3e-03	4e-15	2e-04
7:	1.5318e+01	1.5318e+01	1e-04	5e-05	1e-15	4e-06
8:	1.5318e+01	1.5318e+01	1e-06	5e-07	2e-15	4e-08
9:	1.5318e+01	1.5318e+01	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.4830e+00	9.4965e+00	7e+00	2e+00	3e-16	2e-01
2:	1.4417e+01	1.4421e+01	1e+00	5e-01	2e-15	3e-02
3:	1.4934e+01	1.4935e+01	4e-01	1e-01	2e-15	9e-03
4:	1.5126e+01	1.5126e+01	2e-02	7e-03	9e-16	5e-04
5:	1.5135e+01	1.5135e+01	2e-04	7e-05	8e-16	5e-06
6:	1.5135e+01	1.5135e+01	2e-06	7e-07	7e-16	5e-08
7:	1.5135e+01	1.5135e+01	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3499e+00	8.3625e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2209e+01	1.2214e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2861e+01	1.2862e+01	4e-01	1e-01	1e-15	9e-03
4:	1.3059e+01	1.3059e+01	8e-03	2e-03	6e-16	2e-04
5:	1.3063e+01	1.3063e+01	8e-05	2e-05	5e-16	2e-06
6:	1.3063e+01	1.3063e+01	8e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0719e+01	1.0726e+01	7e+00	2e+00	4e-16	2e-01
2:	1.3956e+01	1.3958e+01	2e+00	5e-01	1e-15	4e-02
3:	1.4706e+01	1.4707e+01	4e-01	1e-01	1e-15	9e-03
4:	1.4862e+01	1.4863e+01	6e-02	2e-02	8e-16	2e-03
5:	1.4890e+01	1.4890e+01	7e-03	2e-03	2e-15	2e-04
6:	1.4893e+01	1.4893e+01	8e-05	2e-05	4e-15	2e-06



7: 1.4893e+01 1.4893e+01 8e-07 2e-07 3e-15 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9101e+00	7.9255e+00	8e+00	3e+00	4e-16	2e-01
2:	1.1358e+01	1.1363e+01	2e+00	6e-01	9e-16	4e-02
3:	1.1889e+01	1.1892e+01	9e-01	3e-01	2e-15	2e-02
4:	1.2340e+01	1.2341e+01	8e-02	3e-02	9e-16	2e-03
5:	1.2373e+01	1.2373e+01	5e-03	2e-03	8e-16	1e-04
6:	1.2376e+01	1.2376e+01	6e-05	2e-05	7e-16	1e-06
7:	1.2376e+01	1.2376e+01	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.8972e+00	9.9044e+00	8e+00	3e+00	3e-16	2e-01
2:	1.3265e+01	1.3268e+01	2e+00	5e-01	1e-15	4e-02
3:	1.4030e+01	1.4031e+01	5e-01	2e-01	1e-15	1e-02
4:	1.4240e+01	1.4240e+01	6e-02	2e-02	1e-15	1e-03
5:	1.4274e+01	1.4274e+01	2e-03	5e-04	6e-16	4e-05
6:	1.4274e+01	1.4274e+01	2e-05	5e-06	7e-16	4e-07
7:	1.4274e+01	1.4274e+01	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6290e+00	7.6433e+00	8e+00	3e+00	2e-16	2e-01
2:	1.1414e+01	1.1418e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2310e+01	1.2311e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2489e+01	1.2490e+01	8e-02	3e-02	2e-15	2e-03
5:	1.2531e+01	1.2531e+01	1e-02	4e-03	2e-15	3e-04
6:	1.2537e+01	1.2537e+01	6e-04	2e-04	1e-14	1e-05
7:	1.2537e+01	1.2537e+01	6e-06	2e-06	1e-15	1e-07
8:	1.2537e+01	1.2537e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.4160e+00	9.4233e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3062e+01	1.3064e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4233e+01	1.4234e+01	7e-01	2e-01	2e-15	1e-02
4:	1.4438e+01	1.4439e+01	3e-01	9e-02	8e-15	7e-03
5:	1.4583e+01	1.4583e+01	4e-02	1e-02	2e-15	9e-04
6:	1.4603e+01	1.4603e+01	7e-04	2e-04	7e-15	2e-05
7:	1.4604e+01	1.4604e+01	7e-06	2e-06	5e-15	2e-07
8:	1.4604e+01	1.4604e+01	7e-08	2e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8764e+00	8.8947e+00	9e+00	3e+00	3e-16	2e-01
2:	1.2864e+01	1.2871e+01	3e+00	8e-01	1e-15	5e-02

3:	1.3916e+01	1.3918e+01	7e-01	2e-01	1e-15	1e-02
4:	1.4122e+01	1.4122e+01	2e-01	6e-02	3e-15	4e-03
5:	1.4229e+01	1.4229e+01	3e-02	1e-02	1e-15	8e-04
6:	1.4245e+01	1.4245e+01	4e-04	1e-04	1e-15	9e-06
7:	1.4245e+01	1.4245e+01	4e-06	1e-06	1e-15	9e-08
8:	1.4245e+01	1.4245e+01	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5614e+00	6.5688e+00	8e+00	2e+00	4e-16	2e-01
2:	1.0903e+01	1.0906e+01	2e+00	6e-01	3e-15	4e-02
3:	1.1672e+01	1.1673e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1845e+01	1.1845e+01	8e-03	3e-03	9e-16	2e-04
5:	1.1850e+01	1.1850e+01	8e-05	3e-05	1e-15	2e-06
6:	1.1850e+01	1.1850e+01	8e-07	3e-07	1e-15	2e-08
7:	1.1850e+01	1.1850e+01	8e-09	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0418e+00	9.0517e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3086e+01	1.3089e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3455e+01	1.3456e+01	3e-01	9e-02	2e-15	7e-03
4:	1.3560e+01	1.3560e+01	2e-02	5e-03	4e-15	4e-04
5:	1.3565e+01	1.3565e+01	2e-03	8e-04	1e-15	6e-05
6:	1.3566e+01	1.3566e+01	3e-05	1e-05	5e-15	8e-07
7:	1.3566e+01	1.3566e+01	3e-07	1e-07	3e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7707e+00	8.7821e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2473e+01	1.2477e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3100e+01	1.3101e+01	5e-01	1e-01	1e-15	1e-02
4:	1.3310e+01	1.3310e+01	8e-02	2e-02	2e-15	2e-03
5:	1.3345e+01	1.3345e+01	2e-03	7e-04	1e-15	5e-05
6:	1.3346e+01	1.3346e+01	2e-05	7e-06	1e-15	5e-07
7:	1.3346e+01	1.3346e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1486e+01	1.1492e+01	7e+00	2e+00	4e-16	2e-01
2:	1.6575e+01	1.6576e+01	8e-01	2e-01	2e-15	2e-02
3:	1.6968e+01	1.6969e+01	5e-02	2e-02	3e-15	1e-03
4:	1.6999e+01	1.6999e+01	8e-04	3e-04	6e-15	2e-05
5:	1.7000e+01	1.7000e+01	8e-06	3e-06	5e-15	2e-07
6:	1.7000e+01	1.7000e+01	8e-08	3e-08	5e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	1.1018e+01	1.1027e+01	7e+00	2e+00	3e-16	1e-01
2:	1.3649e+01	1.3654e+01	3e+00	9e-01	2e-15	6e-02
3:	1.4895e+01	1.4897e+01	6e-01	2e-01	1e-15	1e-02
4:	1.5230e+01	1.5230e+01	1e-01	3e-02	1e-15	2e-03
5:	1.5253e+01	1.5253e+01	5e-02	1e-02	4e-15	1e-03
6:	1.5274e+01	1.5274e+01	6e-04	2e-04	6e-16	1e-05
7:	1.5274e+01	1.5274e+01	6e-06	2e-06	8e-16	1e-07
8:	1.5274e+01	1.5274e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0814e+01	1.0822e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4876e+01	1.4879e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5712e+01	1.5712e+01	2e-01	7e-02	2e-15	5e-03
4:	1.5826e+01	1.5826e+01	4e-02	1e-02	3e-15	8e-04
5:	1.5837e+01	1.5837e+01	1e-02	4e-03	1e-13	3e-04
6:	1.5844e+01	1.5844e+01	2e-04	6e-05	2e-15	5e-06
7:	1.5844e+01	1.5844e+01	2e-06	6e-07	1e-14	5e-08
8:	1.5844e+01	1.5844e+01	2e-08	6e-09	1e-14	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0709e+01	1.0720e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4840e+01	1.4844e+01	2e+00	5e-01	4e-15	4e-02
3:	1.5550e+01	1.5551e+01	4e-01	1e-01	1e-15	8e-03
4:	1.5753e+01	1.5753e+01	4e-02	1e-02	2e-15	1e-03
5:	1.5776e+01	1.5776e+01	6e-04	2e-04	3e-15	1e-05
6:	1.5776e+01	1.5776e+01	6e-06	2e-06	2e-15	1e-07
7:	1.5776e+01	1.5776e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3204e+01	1.3205e+01	5e+00	2e+00	5e-16	1e-01
2:	1.6788e+01	1.6788e+01	3e-01	1e-01	3e-15	8e-03
3:	1.6956e+01	1.6956e+01	5e-02	2e-02	2e-14	1e-03
4:	1.6985e+01	1.6985e+01	1e-02	4e-03	7e-14	3e-04
5:	1.6991e+01	1.6991e+01	3e-03	1e-03	3e-13	8e-05
6:	1.6993e+01	1.6993e+01	2e-04	8e-05	2e-14	6e-06
7:	1.6993e+01	1.6993e+01	2e-06	8e-07	3e-14	6e-08
8:	1.6993e+01	1.6993e+01	2e-08	8e-09	4e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2076e+00	8.2227e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1970e+01	1.1976e+01	2e+00	6e-01	3e-15	5e-02
3:	1.2603e+01	1.2606e+01	8e-01	3e-01	2e-15	2e-02
4:	1.2960e+01	1.2961e+01	7e-02	2e-02	7e-16	2e-03
5:	1.2994e+01	1.2994e+01	7e-04	2e-04	6e-16	2e-05

6:	1.2995e+01	1.2995e+01	7e-06	2e-06	8e-16	2e-07
7:	1.2995e+01	1.2995e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4730e+00	7.4885e+00	9e+00	3e+00	3e-16	2e-01
2:	1.1336e+01	1.1341e+01	2e+00	6e-01	2e-15	4e-02
3:	1.2302e+01	1.2304e+01	4e-01	1e-01	1e-15	9e-03
4:	1.2453e+01	1.2453e+01	2e-02	5e-03	1e-15	4e-04
5:	1.2460e+01	1.2460e+01	2e-04	5e-05	7e-16	4e-06
6:	1.2460e+01	1.2460e+01	2e-06	5e-07	8e-16	4e-08
7:	1.2460e+01	1.2460e+01	2e-08	5e-09	6e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7815e+00	6.7924e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1030e+01	1.1033e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1768e+01	1.1768e+01	1e-01	3e-02	8e-16	2e-03
4:	1.1804e+01	1.1804e+01	2e-02	6e-03	8e-15	4e-04
5:	1.1812e+01	1.1812e+01	2e-04	6e-05	7e-16	4e-06
6:	1.1813e+01	1.1813e+01	2e-06	6e-07	9e-16	4e-08
7:	1.1813e+01	1.1813e+01	2e-08	6e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7182e+00	8.7268e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1497e+01	1.1503e+01	3e+00	1e+00	9e-16	7e-02
3:	1.2427e+01	1.2429e+01	1e+00	4e-01	1e-15	3e-02
4:	1.2873e+01	1.2873e+01	3e-01	8e-02	5e-16	6e-03
5:	1.3003e+01	1.3004e+01	5e-03	2e-03	8e-16	1e-04
6:	1.3006e+01	1.3006e+01	5e-05	2e-05	7e-16	1e-06
7:	1.3006e+01	1.3006e+01	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.9235e+00	8.9300e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2462e+01	1.2464e+01	2e+00	5e-01	1e-15	4e-02
3:	1.3300e+01	1.3300e+01	3e-01	8e-02	8e-16	6e-03
4:	1.3445e+01	1.3445e+01	6e-03	2e-03	9e-16	1e-04
5:	1.3448e+01	1.3448e+01	6e-05	2e-05	1e-15	1e-06
6:	1.3448e+01	1.3448e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8906e+00	8.9049e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1742e+01	1.1746e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2498e+01	1.2499e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2778e+01	1.2778e+01	9e-02	3e-02	9e-16	2e-03

5:	1.2803e+01	1.2803e+01	3e-02	1e-02	7e-15	8e-04
6:	1.2816e+01	1.2816e+01	5e-03	2e-03	1e-15	1e-04
7:	1.2819e+01	1.2819e+01	1e-04	3e-05	8e-16	3e-06
8:	1.2819e+01	1.2819e+01	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9414e+00	8.9502e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2840e+01	1.2843e+01	2e+00	5e-01	1e-15	4e-02
3:	1.3658e+01	1.3659e+01	4e-01	1e-01	1e-15	8e-03
4:	1.3803e+01	1.3803e+01	1e-01	4e-02	4e-15	3e-03
5:	1.3847e+01	1.3847e+01	2e-02	7e-03	3e-15	5e-04
6:	1.3859e+01	1.3859e+01	1e-03	3e-04	9e-16	2e-05
7:	1.3859e+01	1.3859e+01	1e-05	3e-06	2e-15	2e-07
8:	1.3859e+01	1.3859e+01	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0896e+00	8.1072e+00	8e+00	3e+00	2e-16	2e-01
2:	1.2045e+01	1.2051e+01	2e+00	7e-01	3e-15	5e-02
3:	1.2799e+01	1.2801e+01	7e-01	2e-01	2e-15	2e-02
4:	1.3061e+01	1.3062e+01	1e-01	4e-02	1e-15	3e-03
5:	1.3131e+01	1.3131e+01	3e-02	9e-03	1e-15	7e-04
6:	1.3143e+01	1.3143e+01	1e-03	4e-04	2e-15	3e-05
7:	1.3144e+01	1.3144e+01	1e-05	4e-06	7e-16	3e-07
8:	1.3144e+01	1.3144e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0581e+01	1.0590e+01	7e+00	2e+00	3e-16	1e-01
2:	1.3768e+01	1.3772e+01	2e+00	6e-01	3e-15	4e-02
3:	1.4728e+01	1.4728e+01	2e-01	8e-02	2e-15	6e-03
4:	1.4854e+01	1.4855e+01	2e-02	8e-03	8e-16	6e-04
5:	1.4868e+01	1.4868e+01	2e-03	7e-04	1e-15	5e-05
6:	1.4869e+01	1.4869e+01	2e-05	7e-06	2e-15	5e-07
7:	1.4869e+01	1.4869e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.4626e+00	9.4770e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2987e+01	1.2993e+01	2e+00	8e-01	1e-15	5e-02
3:	1.4288e+01	1.4289e+01	6e-01	2e-01	2e-15	1e-02
4:	1.4499e+01	1.4499e+01	1e-01	4e-02	3e-15	3e-03
5:	1.4556e+01	1.4556e+01	3e-03	1e-03	6e-16	8e-05
6:	1.4558e+01	1.4558e+01	3e-05	1e-05	1e-15	8e-07
7:	1.4558e+01	1.4558e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1767e+01	1.1771e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5430e+01	1.5432e+01	2e+00	5e-01	2e-15	4e-02
3:	1.6160e+01	1.6161e+01	2e-01	5e-02	2e-15	4e-03
4:	1.6248e+01	1.6248e+01	1e-02	4e-03	1e-15	3e-04
5:	1.6253e+01	1.6253e+01	1e-04	4e-05	2e-15	3e-06
6:	1.6253e+01	1.6253e+01	1e-06	4e-07	1e-15	3e-08
7:	1.6253e+01	1.6253e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.4168e+00	9.4319e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2922e+01	1.2927e+01	2e+00	6e-01	3e-15	4e-02
3:	1.3739e+01	1.3740e+01	4e-01	1e-01	2e-15	8e-03
4:	1.3918e+01	1.3919e+01	7e-02	2e-02	7e-16	2e-03
5:	1.3945e+01	1.3945e+01	2e-02	6e-03	5e-15	5e-04
6:	1.3955e+01	1.3955e+01	2e-04	7e-05	6e-16	5e-06
7:	1.3955e+01	1.3955e+01	2e-06	7e-07	5e-16	5e-08
8:	1.3955e+01	1.3955e+01	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2499e+01	1.2503e+01	5e+00	2e+00	4e-16	1e-01
2:	1.5042e+01	1.5043e+01	1e+00	4e-01	3e-15	3e-02
3:	1.5816e+01	1.5817e+01	3e-01	9e-02	2e-15	7e-03
4:	1.5918e+01	1.5918e+01	3e-02	1e-02	5e-16	8e-04
5:	1.5932e+01	1.5932e+01	2e-03	5e-04	1e-15	4e-05
6:	1.5933e+01	1.5933e+01	1e-04	5e-05	6e-14	4e-06
7:	1.5933e+01	1.5933e+01	1e-06	5e-07	9e-15	4e-08
8:	1.5933e+01	1.5933e+01	1e-08	5e-09	4e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1024e+01	1.1033e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4447e+01	1.4449e+01	2e+00	5e-01	2e-15	3e-02
3:	1.5236e+01	1.5237e+01	3e-01	1e-01	1e-15	7e-03
4:	1.5387e+01	1.5387e+01	6e-02	2e-02	1e-15	1e-03
5:	1.5417e+01	1.5417e+01	1e-02	4e-03	1e-15	3e-04
6:	1.5423e+01	1.5423e+01	1e-04	5e-05	8e-16	4e-06
7:	1.5423e+01	1.5423e+01	1e-06	5e-07	1e-15	4e-08
8:	1.5423e+01	1.5423e+01	1e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.8949e+00	6.9062e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0103e+01	1.0106e+01	2e+00	5e-01	2e-15	3e-02
3:	1.0722e+01	1.0723e+01	5e-01	1e-01	1e-15	1e-02
4:	1.0961e+01	1.0962e+01	1e-01	4e-02	2e-15	3e-03

5:	1.0983e+01	1.0983e+01	6e-02	2e-02	3e-15	1e-03
6:	1.1012e+01	1.1012e+01	4e-03	1e-03	2e-15	1e-04
7:	1.1014e+01	1.1014e+01	5e-05	1e-05	1e-15	1e-06
8:	1.1014e+01	1.1014e+01	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4965e+00	7.5111e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1213e+01	1.1217e+01	1e+00	5e-01	2e-15	3e-02
3:	1.1804e+01	1.1805e+01	3e-01	1e-01	9e-16	7e-03
4:	1.1984e+01	1.1984e+01	3e-02	1e-02	9e-16	8e-04
5:	1.2000e+01	1.2000e+01	4e-04	1e-04	1e-15	8e-06
6:	1.2000e+01	1.2000e+01	4e-06	1e-06	9e-16	8e-08
7:	1.2000e+01	1.2000e+01	4e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1929e+01	1.1934e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5101e+01	1.5103e+01	1e+00	4e-01	3e-15	3e-02
3:	1.5655e+01	1.5656e+01	4e-01	1e-01	5e-15	9e-03
4:	1.5788e+01	1.5788e+01	1e-01	5e-02	2e-15	4e-03
5:	1.5859e+01	1.5859e+01	5e-03	2e-03	5e-16	1e-04
6:	1.5861e+01	1.5861e+01	5e-05	2e-05	6e-16	1e-06
7:	1.5861e+01	1.5861e+01	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1820e+00	8.1891e+00	8e+00	3e+00	2e-16	2e-01
2:	1.1761e+01	1.1763e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2430e+01	1.2431e+01	7e-01	2e-01	1e-15	2e-02
4:	1.2693e+01	1.2693e+01	1e-01	5e-02	2e-15	3e-03
5:	1.2762e+01	1.2762e+01	1e-02	4e-03	1e-15	3e-04
6:	1.2769e+01	1.2769e+01	5e-04	2e-04	6e-16	1e-05
7:	1.2769e+01	1.2769e+01	5e-06	2e-06	9e-16	1e-07
8:	1.2769e+01	1.2769e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.0127e+00	7.0302e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0641e+01	1.0647e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1222e+01	1.1224e+01	4e-01	1e-01	1e-15	8e-03
4:	1.1373e+01	1.1373e+01	5e-02	2e-02	2e-15	1e-03
5:	1.1401e+01	1.1401e+01	1e-03	4e-04	9e-16	3e-05
6:	1.1401e+01	1.1401e+01	1e-05	4e-06	7e-16	3e-07
7:	1.1401e+01	1.1401e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	1.0132e+01	1.0140e+01	8e+00	3e+00	3e-16	2e-01
2:	1.4041e+01	1.4044e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5058e+01	1.5058e+01	2e-01	6e-02	1e-15	5e-03
4:	1.5139e+01	1.5139e+01	5e-03	2e-03	1e-15	1e-04
5:	1.5141e+01	1.5141e+01	5e-05	2e-05	5e-16	1e-06
6:	1.5141e+01	1.5141e+01	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2041e+00	8.2118e+00	8e+00	3e+00	4e-16	2e-01
2:	1.2232e+01	1.2234e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3058e+01	1.3059e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3265e+01	1.3265e+01	5e-02	2e-02	1e-15	1e-03
5:	1.3293e+01	1.3293e+01	3e-03	1e-03	4e-15	7e-05
6:	1.3295e+01	1.3295e+01	3e-05	1e-05	3e-15	7e-07
7:	1.3295e+01	1.3295e+01	3e-07	1e-07	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3919e-01	7.3695e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9722e-01	9.9715e-01	8e-02	3e-02	4e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	3e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1398e-01	8.1363e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9814e-01	9.9814e-01	5e-02	1e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9340e-01	7.9242e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9794e-01	9.9792e-01	6e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9758e-01	7.9673e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9798e-01	9.9797e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	2e-16	1e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0588e-01	7.0312e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9659e-01	9.9646e-01	1e-01	3e-02	3e-15	3e-03
3:	9.9997e-01	9.9996e-01	1e-03	3e-04	4e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	2e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1248e-01	8.1208e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9813e-01	9.9812e-01	5e-02	1e-02	3e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2262e-01	8.2256e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9823e-01	9.9823e-01	4e-02	1e-02	3e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3794e-01	7.3568e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9724e-01	9.9718e-01	8e-02	3e-02	5e-16	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	3e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7770e-01	7.7630e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9779e-01	9.9776e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	7e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7387e-01	7.7238e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9775e-01	9.9772e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	7e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1616e-01	8.1589e-01	4e+00	1e+00	4e-16	1e-01
2:	9.9816e-01	9.9816e-01	4e-02	1e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	8e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7064e-01	7.6907e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9772e-01	9.9769e-01	6e-02	2e-02	6e-16	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2064e-01	8.2052e-01	4e+00	1e+00	1e-16	1e-01
2:	9.9821e-01	9.9821e-01	4e-02	1e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8096e-01	7.7965e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9782e-01	9.9780e-01	6e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5577e-01	7.5386e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9758e-01	9.9754e-01	7e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1364e-01	8.1328e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9814e-01	9.9813e-01	5e-02	1e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	2e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7857e-01	7.7720e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9780e-01	9.9777e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1879e-01	8.1860e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9819e-01	9.9819e-01	4e-02	1e-02	9e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8549e-01	7.8430e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9786e-01	9.9784e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2047e-01	8.2034e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9821e-01	9.9820e-01	4e-02	1e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	7e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1465e-01	8.1433e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9815e-01	9.9814e-01	5e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8698e-01	7.8583e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9788e-01	9.9786e-01	6e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8863e-01	7.8753e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9789e-01	9.9788e-01	6e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3338e-01	7.3104e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9725e-01	9.9717e-01	8e-02	3e-02	2e-15	2e-03
3:	9.9997e-01	9.9997e-01	8e-04	3e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7203e-01	7.7049e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9774e-01	9.9770e-01	7e-02	2e-02	7e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1693e-01	8.1668e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9817e-01	9.9817e-01	4e-02	1e-02	8e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2212e-01	7.1960e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9698e-01	9.9689e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	5e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2151e-01	8.2141e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9822e-01	9.9821e-01	4e-02	1e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8924e-01	7.8815e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9790e-01	9.9788e-01	6e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0279e-01	7.0000e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9716e-01	9.9700e-01	1e-01	5e-02	3e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	5e-04	4e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	5e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8666e-01	7.8550e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9787e-01	9.9785e-01	6e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1861e-01	8.1841e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9819e-01	9.9818e-01	4e-02	1e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0645e-01	8.0586e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9807e-01	9.9806e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8054e-01	7.7922e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9782e-01	9.9779e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0182e-01	6.9902e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9714e-01	9.9699e-01	1e-01	4e-02	1e-15	4e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8815e-01	7.8704e-01	4e+00	1e+00	4e-16	1e-01
2:	9.9789e-01	9.9787e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0523e-01	8.0461e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9806e-01	9.9805e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9238e-01	7.9138e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9793e-01	9.9791e-01	6e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3044e-01	6.2712e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9627e-01	3e-01	1e-01	5e-15	1e-02
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	3e-16	1e-04
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	5e-16	1e-06
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7834e-01	7.7696e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9780e-01	9.9777e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0305e-01	8.0236e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9803e-01	9.9802e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3483e-01	7.3251e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9706e-01	9.9699e-01	9e-02	3e-02	3e-15	2e-03
3:	9.9997e-01	9.9997e-01	9e-04	3e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	9e-06	3e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4934e-01	7.4730e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9752e-01	9.9747e-01	8e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9997e-01	8e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	8e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1130e-01	8.1086e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9811e-01	9.9811e-01	5e-02	2e-02	3e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5731e-01	7.5544e-01	5e+00	2e+00	2e-16	1e-01
2:	9.9760e-01	9.9755e-01	7e-02	2e-02	9e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	2e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	2e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3693e-01	6.3362e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9692e-01	9.9634e-01	3e-01	1e-01	8e-16	1e-02
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	5e-16	1e-04
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	5e-16	1e-06
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1500e-01	8.1468e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9815e-01	9.9815e-01	5e-02	1e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7896e-01	7.7759e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9780e-01	9.9778e-01	6e-02	2e-02	9e-16	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5702e-01	7.5514e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9759e-01	9.9755e-01	7e-02	2e-02	1e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	3e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7590e-01	7.7446e-01	5e+00	1e+00	2e-16	1e-01
2:	9.9777e-01	9.9774e-01	6e-02	2e-02	3e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	7e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4510e+00	1.4495e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9925e+00	1.9924e+00	2e-01	5e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4595e+00	1.4604e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9849e+00	1.9849e+00	3e-01	8e-02	2e-15	6e-03
3:	1.9998e+00	1.9998e+00	3e-03	8e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	7e-16	6e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	6e-16	6e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3313e+00	1.3287e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9893e+00	1.9890e+00	3e-01	1e-01	2e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	1e-03	6e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	1e-07	6e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1316e+00	1.1285e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9708e+00	1.9695e+00	1e+00	4e-01	2e-15	3e-02
3:	1.9994e+00	1.9994e+00	1e-02	4e-03	1e-15	4e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	7e-16	4e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	4e-16	4e-08
6:	2.0000e+00	2.0000e+00	1e-08	4e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5583e+00	1.5590e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9929e+00	1.9929e+00	1e-01	3e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5436e+00	1.5422e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9953e+00	1.9953e+00	7e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5534e+00	1.5543e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9906e+00	1.9906e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	1e-15	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.3018e+00	1.2990e+00	6e+00	2e+00	5e-16	2e-01
2:	1.9888e+00	1.9884e+00	4e-01	1e-01	3e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	8e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	7e-16	1e-06

5: 2.0000e+00 2.0000e+00 4e-07 1e-07 9e-16 1e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5531e+00	1.5527e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9951e+00	1.9951e+00	8e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	8e-04	2e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	2e-06	2e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6263e+00	1.6263e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9962e+00	1.9962e+00	5e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	1e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	1e-06	4e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4174e+00	1.4156e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9900e+00	1.9898e+00	2e-01	7e-02	3e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	3e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5411e+00	1.5400e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9953e+00	1.9952e+00	8e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	8e-04	2e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6334e+00	1.6334e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9962e+00	1.9962e+00	5e-02	1e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	1e-04	9e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	1e-06	9e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3405e+00	1.3378e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9886e+00	1.9883e+00	3e-01	9e-02	7e-16	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	5e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	4e-16	8e-07

5: 2.0000e+00 2.0000e+00 3e-07 9e-08 3e-16 8e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5585e+00	1.5580e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9954e+00	1.9954e+00	7e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4164e+00	1.4152e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9934e+00	1.9934e+00	2e-01	6e-02	4e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	2e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5356e+00	1.5343e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9949e+00	1.9949e+00	8e-02	3e-02	8e-16	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	3e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5720e+00	1.5718e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9950e+00	1.9950e+00	7e-02	2e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	7e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	9e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2949e+00	1.2935e+00	6e+00	2e+00	3e-16	2e-01
2:	1.9744e+00	1.9741e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	7e-03	2e-03	6e-16	2e-04
4:	2.0000e+00	2.0000e+00	7e-05	2e-05	5e-16	2e-06
5:	2.0000e+00	2.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4957e+00	1.4944e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9939e+00	1.9939e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	5e-16	3e-07

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5: 2.0000e+00 2.0000e+00 1e-07 4e-08 6e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.5898e+00 1.5901e+00 5e+00 1e+00 3e-16 1e-01
2: 1.9953e+00 1.9953e+00 6e-02 2e-02 2e-15 2e-03
3: 2.0000e+00 2.0000e+00 6e-04 2e-04 4e-16 2e-05
4: 2.0000e+00 2.0000e+00 6e-06 2e-06 7e-16 2e-07
5: 2.0000e+00 2.0000e+00 6e-08 2e-08 8e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.5781e+00 1.5782e+00 5e+00 1e+00 2e-16 1e-01
2: 1.9952e+00 1.9952e+00 7e-02 2e-02 9e-16 2e-03
3: 2.0000e+00 2.0000e+00 7e-04 2e-04 5e-16 2e-05
4: 2.0000e+00 2.0000e+00 7e-06 2e-06 3e-16 2e-07
5: 2.0000e+00 2.0000e+00 7e-08 2e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.4365e+00 1.4355e+00 6e+00 2e+00 3e-16 1e-01
2: 1.9913e+00 1.9913e+00 2e-01 6e-02 2e-15 5e-03
3: 1.9999e+00 1.9999e+00 2e-03 6e-04 4e-16 5e-05
4: 2.0000e+00 2.0000e+00 2e-05 6e-06 8e-16 5e-07
5: 2.0000e+00 2.0000e+00 2e-07 6e-08 5e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.6430e+00 1.6429e+00 4e+00 1e+00 2e-16 9e-02
2: 1.9964e+00 1.9964e+00 4e-02 1e-02 7e-16 1e-03
3: 2.0000e+00 2.0000e+00 4e-04 1e-04 4e-16 1e-05
4: 2.0000e+00 2.0000e+00 4e-06 1e-06 5e-16 1e-07
5: 2.0000e+00 2.0000e+00 4e-08 1e-08 6e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.3552e+00 1.3527e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9938e+00 1.9935e+00 3e-01 1e-01 2e-15 9e-03
3: 1.9999e+00 1.9999e+00 3e-03 1e-03 7e-16 9e-05
4: 2.0000e+00 2.0000e+00 3e-05 1e-05 4e-16 9e-07
5: 2.0000e+00 2.0000e+00 3e-07 1e-07 3e-16 9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1154e+00 1.1130e+00 6e+00 2e+00 2e-16 2e-01
2: 1.9346e+00 1.9334e+00 2e+00 5e-01 8e-16 5e-02
3: 1.9984e+00 1.9984e+00 2e-02 8e-03 1e-15 6e-04
4: 2.0000e+00 2.0000e+00 2e-04 8e-05 4e-16 6e-06

```

5:	2.0000e+00	2.0000e+00	2e-06	8e-07	4e-16	6e-08
6:	2.0000e+00	2.0000e+00	2e-08	8e-09	5e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6162e+00	1.6163e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9959e+00	1.9959e+00	5e-02	2e-02	4e-16	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	4e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	8e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5266e+00	1.5254e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9948e+00	1.9948e+00	9e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	6e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5707e+00	1.5709e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9950e+00	1.9950e+00	7e-02	2e-02	9e-16	2e-03
3:	1.9999e+00	1.9999e+00	7e-04	2e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6021e+00	1.6025e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9946e+00	1.9946e+00	7e-02	2e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	7e-04	2e-04	7e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4854e+00	1.4848e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9948e+00	1.9948e+00	1e-01	3e-02	1e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2635e+00	1.2621e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9688e+00	1.9685e+00	9e-01	3e-01	2e-15	2e-02
3:	1.9997e+00	1.9997e+00	9e-03	3e-03	4e-16	2e-04

4:	2.0000e+00	2.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	2.0000e+00	2.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5419e+00	1.5418e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9947e+00	1.9947e+00	8e-02	3e-02	3e-15	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5073e+00	1.5059e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9946e+00	1.9946e+00	1e-01	3e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	5e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	6e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4623e+00	1.4640e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9748e+00	1.9750e+00	5e-01	1e-01	1e-15	1e-02
3:	1.9997e+00	1.9997e+00	5e-03	1e-03	7e-16	1e-04
4:	2.0000e+00	2.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	2.0000e+00	2.0000e+00	5e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5921e+00	1.5912e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9959e+00	1.9959e+00	6e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	3e-16	1e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	2e-16	1e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4483e+00	1.4476e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9941e+00	1.9941e+00	1e-01	4e-02	7e-16	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	2e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5025e+00	1.5028e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9920e+00	1.9920e+00	1e-01	4e-02	3e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	6e-16	3e-05

4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2262e+00	1.2250e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9609e+00	1.9606e+00	1e+00	4e-01	4e-16	3e-02
3:	1.9996e+00	1.9996e+00	1e-02	4e-03	6e-16	3e-04
4:	2.0000e+00	2.0000e+00	1e-04	4e-05	3e-16	3e-06
5:	2.0000e+00	2.0000e+00	1e-06	4e-07	3e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3393e+00	1.3367e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9921e+00	1.9919e+00	3e-01	8e-02	2e-15	7e-03
3:	1.9999e+00	1.9999e+00	3e-03	8e-04	3e-16	7e-05
4:	2.0000e+00	2.0000e+00	3e-05	8e-06	5e-16	7e-07
5:	2.0000e+00	2.0000e+00	3e-07	8e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5258e+00	1.5249e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9948e+00	1.9948e+00	9e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5326e+00	1.5335e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9898e+00	1.9898e+00	1e-01	5e-02	1e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	5e-04	1e-15	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	5e-06	4e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5479e+00	1.5471e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9952e+00	1.9951e+00	8e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	8e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4326e+00	1.4327e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9883e+00	1.9883e+00	2e-01	7e-02	3e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	5e-16	6e-05

4:	2.0000e+00	2.0000e+00	2e-05	7e-06	4e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5553e+00	1.5551e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9954e+00	1.9954e+00	7e-02	2e-02	1e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	6e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3086e+00	1.3066e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9919e+00	1.9916e+00	4e-01	1e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	4e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3600e+00	1.3573e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9912e+00	1.9909e+00	3e-01	9e-02	4e-15	8e-03
3:	1.9999e+00	1.9999e+00	3e-03	9e-04	6e-16	8e-05
4:	2.0000e+00	2.0000e+00	3e-05	9e-06	8e-16	8e-07
5:	2.0000e+00	2.0000e+00	3e-07	9e-08	5e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4882e+00	1.4877e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9917e+00	1.9917e+00	1e-01	5e-02	3e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6235e+00	1.6235e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9962e+00	1.9962e+00	5e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	4e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5452e+00	1.5447e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9953e+00	1.9952e+00	8e-02	2e-02	1e-15	2e-03
3:	2.0000e+00	2.0000e+00	8e-04	2e-04	7e-16	2e-05



4:	2.0000e+00	2.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8578e+00	1.8582e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8949e+00	2.8951e+00	1e+00	5e-01	1e-15	4e-02
3:	2.9988e+00	2.9988e+00	2e-02	5e-03	1e-15	4e-04
4:	3.0000e+00	3.0000e+00	2e-04	5e-05	6e-16	4e-06
5:	3.0000e+00	3.0000e+00	2e-06	5e-07	5e-16	4e-08
6:	3.0000e+00	3.0000e+00	2e-08	5e-09	4e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2415e+00	2.2414e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9893e+00	2.9893e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	3e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4035e+00	2.4032e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9939e+00	2.9939e+00	5e-02	2e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	8e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2388e+00	2.2398e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9809e+00	2.9809e+00	2e-01	7e-02	1e-15	5e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	6e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	6e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3255e+00	2.3263e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9905e+00	2.9905e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	6e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	9e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2761e+00	2.2757e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9907e+00	2.9907e+00	1e-01	4e-02	2e-15	3e-03

3:	2.9999e+00	2.9999e+00	1e-03	4e-04	8e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0386e+00	2.0398e+00	7e+00	2e+00	5e-16	2e-01
2:	2.9446e+00	2.9448e+00	8e-01	2e-01	7e-16	2e-02
3:	2.9994e+00	2.9994e+00	8e-03	2e-03	1e-15	2e-04
4:	3.0000e+00	3.0000e+00	8e-05	2e-05	9e-16	2e-06
5:	3.0000e+00	3.0000e+00	8e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2446e+00	2.2445e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9894e+00	2.9894e+00	1e-01	4e-02	7e-16	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8888e+00	1.8905e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8943e+00	2.8949e+00	2e+00	5e-01	1e-15	4e-02
3:	2.9982e+00	2.9982e+00	2e-02	6e-03	1e-15	5e-04
4:	3.0000e+00	3.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	3.0000e+00	3.0000e+00	2e-06	6e-07	3e-16	5e-08
6:	3.0000e+00	3.0000e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1413e+00	2.1405e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9878e+00	2.9878e+00	2e-01	6e-02	4e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	7e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3064e+00	2.3071e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9864e+00	2.9864e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1937e+00	2.1948e+00	6e+00	2e+00	2e-16	1e-01

2:	2.9785e+00	2.9786e+00	3e-01	8e-02	1e-15	6e-03
3:	2.9998e+00	2.9998e+00	3e-03	8e-04	9e-16	6e-05
4:	3.0000e+00	3.0000e+00	3e-05	8e-06	7e-16	6e-07
5:	3.0000e+00	3.0000e+00	3e-07	8e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1324e+00	2.1309e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9894e+00	2.9893e+00	2e-01	6e-02	3e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	6e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.5781e+00	1.5751e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9267e+00	2.9252e+00	2e+00	5e-01	2e-15	4e-02
3:	2.9962e+00	2.9962e+00	3e-02	9e-03	1e-15	8e-04
4:	3.0000e+00	3.0000e+00	3e-04	9e-05	5e-16	8e-06
5:	3.0000e+00	3.0000e+00	3e-06	9e-07	6e-16	8e-08
6:	3.0000e+00	3.0000e+00	3e-08	9e-09	4e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1491e+00	2.1479e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9786e+00	2.9785e+00	3e-01	8e-02	2e-15	7e-03
3:	2.9998e+00	2.9998e+00	3e-03	8e-04	5e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	8e-06	7e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	8e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3460e+00	2.3462e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9922e+00	2.9922e+00	8e-02	2e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	8e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3256e+00	2.3258e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9914e+00	2.9914e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	6e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	2.2949e+00	2.2962e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9877e+00	2.9877e+00	1e-01	4e-02	2e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3149e+00	2.3150e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9919e+00	2.9919e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5889e+00	1.5910e+00	6e+00	2e+00	2e-16	1e-01
2:	2.8572e+00	2.8581e+00	2e+00	7e-01	2e-15	5e-02
3:	2.9807e+00	2.9809e+00	1e-01	3e-02	1e-15	2e-03
4:	2.9998e+00	2.9998e+00	1e-03	3e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1100e+00	2.1107e+00	7e+00	2e+00	3e-16	2e-01
2:	2.9638e+00	2.9639e+00	5e-01	1e-01	1e-15	1e-02
3:	2.9996e+00	2.9996e+00	5e-03	1e-03	4e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1537e+00	2.1538e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9816e+00	2.9817e+00	3e-01	8e-02	4e-15	6e-03
3:	2.9998e+00	2.9998e+00	3e-03	8e-04	2e-16	6e-05
4:	3.0000e+00	3.0000e+00	3e-05	8e-06	6e-16	6e-07
5:	3.0000e+00	3.0000e+00	3e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0152e+00	2.0158e+00	7e+00	2e+00	3e-16	2e-01
2:	2.9668e+00	2.9669e+00	5e-01	2e-01	9e-16	1e-02
3:	2.9997e+00	2.9997e+00	5e-03	2e-03	6e-16	1e-04
4:	3.0000e+00	3.0000e+00	5e-05	2e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	5e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2462e+00	2.2464e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9894e+00	2.9894e+00	1e-01	4e-02	7e-16	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1410e+00	2.1402e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9806e+00	2.9805e+00	3e-01	9e-02	3e-15	8e-03
3:	2.9998e+00	2.9998e+00	3e-03	1e-03	5e-16	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	1e-05	5e-16	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	1e-07	4e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.8175e+00	1.8153e+00	6e+00	2e+00	3e-16	2e-01
2:	2.8726e+00	2.8715e+00	2e+00	5e-01	1e-15	5e-02
3:	2.9976e+00	2.9975e+00	3e-02	8e-03	1e-15	7e-04
4:	3.0000e+00	3.0000e+00	3e-04	8e-05	3e-16	7e-06
5:	3.0000e+00	3.0000e+00	3e-06	8e-07	4e-16	7e-08
6:	3.0000e+00	3.0000e+00	3e-08	8e-09	4e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1242e+00	2.1231e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9885e+00	2.9884e+00	2e-01	6e-02	4e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1013e+00	2.0996e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9846e+00	2.9845e+00	2e-01	8e-02	2e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	8e-04	6e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	8e-06	6e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1126e+00	2.1126e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9833e+00	2.9833e+00	2e-01	7e-02	1e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	4e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	6e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3383e+00	2.3378e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9907e+00	2.9907e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4280e+00	2.4283e+00	4e+00	1e+00	2e-16	1e-01
2:	2.9939e+00	2.9939e+00	5e-02	2e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1517e+00	2.1517e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9788e+00	2.9788e+00	3e-01	9e-02	1e-15	7e-03
3:	2.9998e+00	2.9998e+00	3e-03	9e-04	7e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	4e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	3e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3260e+00	2.3260e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9927e+00	2.9927e+00	8e-02	2e-02	3e-15	2e-03
3:	2.9999e+00	2.9999e+00	8e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	8e-06	2e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3750e+00	2.3751e+00	5e+00	1e+00	4e-16	1e-01
2:	2.9930e+00	2.9930e+00	6e-02	2e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2349e+00	2.2351e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9902e+00	2.9902e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	6e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0848e+00	2.0831e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9825e+00	2.9824e+00	3e-01	9e-02	2e-15	7e-03
3:	2.9998e+00	2.9998e+00	3e-03	9e-04	8e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	4e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0226e+00	2.0233e+00	7e+00	2e+00	2e-16	2e-01
2:	2.9517e+00	2.9518e+00	6e-01	2e-01	3e-15	2e-02
3:	2.9995e+00	2.9995e+00	6e-03	2e-03	9e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0626e+00	2.0623e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9758e+00	2.9758e+00	4e-01	1e-01	1e-15	1e-02
3:	2.9998e+00	2.9998e+00	4e-03	1e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3154e+00	2.3161e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9861e+00	2.9861e+00	1e-01	4e-02	2e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1620e+00	2.1612e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9831e+00	2.9831e+00	2e-01	8e-02	2e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	8e-04	4e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	8e-06	5e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2405e+00	2.2405e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9803e+00	2.9803e+00	2e-01	7e-02	1e-15	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	6e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	1e-15	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3891e+00	2.3892e+00	5e+00	1e+00	3e-16	1e-01
2:	2.9929e+00	2.9929e+00	6e-02	2e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3700e+00	2.3705e+00	5e+00	1e+00	3e-16	1e-01
2:	2.9925e+00	2.9925e+00	7e-02	2e-02	9e-16	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	3e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2747e+00	2.2755e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9772e+00	2.9772e+00	2e-01	7e-02	6e-16	6e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	6e-16	6e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2714e+00	2.2716e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9903e+00	2.9904e+00	1e-01	3e-02	2e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.7421e+00	1.7450e+00	6e+00	2e+00	2e-16	2e-01
2:	2.8132e+00	2.8146e+00	2e+00	7e-01	7e-16	5e-02
3:	2.9814e+00	2.9816e+00	1e-01	4e-02	7e-16	3e-03
4:	2.9998e+00	2.9998e+00	1e-03	4e-04	3e-16	3e-05
5:	3.0000e+00	3.0000e+00	1e-05	4e-06	3e-16	3e-07
6:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2273e+00	2.2278e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9871e+00	2.9871e+00	2e-01	5e-02	1e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	5e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	6e-16	4e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3765e+00	2.3771e+00	5e+00	1e+00	3e-16	1e-01
2:	2.9915e+00	2.9915e+00	7e-02	2e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	6e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2921e+00	2.2918e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9922e+00	2.9922e+00	9e-02	3e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4571e+00	2.4571e+00	4e+00	1e+00	2e-16	1e-01
2:	2.9945e+00	2.9945e+00	4e-02	1e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	4e-04	1e-04	8e-16	1e-05
4:	3.0000e+00	3.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5614e+00	2.5619e+00	6e+00	2e+00	2e-16	2e-01
2:	3.7841e+00	3.7843e+00	2e+00	6e-01	3e-15	5e-02
3:	3.9969e+00	3.9969e+00	3e-02	8e-03	7e-16	6e-04
4:	4.0000e+00	4.0000e+00	3e-04	8e-05	7e-16	6e-06
5:	4.0000e+00	4.0000e+00	3e-06	8e-07	3e-16	6e-08
6:	4.0000e+00	4.0000e+00	3e-08	8e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7303e+00	2.7315e+00	7e+00	2e+00	4e-16	2e-01
2:	3.9399e+00	3.9401e+00	6e-01	2e-01	2e-15	2e-02
3:	3.9994e+00	3.9994e+00	6e-03	2e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	8e-16	2e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0326e+00	3.0320e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9888e+00	3.9888e+00	1e-01	4e-02	2e-15	3e-03
3:	3.9999e+00	3.9999e+00	1e-03	4e-04	8e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	5e-16	3e-07

5: 4.0000e+00 4.0000e+00 1e-07 4e-08 6e-16 3e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1209e+00	3.1210e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9907e+00	3.9907e+00	7e-02	2e-02	1e-15	2e-03
3:	3.9999e+00	3.9999e+00	7e-04	2e-04	4e-16	2e-05
4:	4.0000e+00	4.0000e+00	7e-06	2e-06	9e-16	2e-07
5:	4.0000e+00	4.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9360e+00	2.9347e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9807e+00	3.9807e+00	2e-01	6e-02	1e-15	5e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	5e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	3e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4679e+00	2.4670e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9241e+00	3.9239e+00	1e+00	3e-01	2e-15	3e-02
3:	3.9992e+00	3.9991e+00	1e-02	3e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5214e+00	2.5197e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9474e+00	3.9470e+00	8e-01	3e-01	2e-15	2e-02
3:	3.9993e+00	3.9993e+00	9e-03	3e-03	2e-15	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	8e-16	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9949e+00	2.9965e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9822e+00	3.9823e+00	1e-01	4e-02	3e-15	3e-03
3:	3.9998e+00	3.9998e+00	1e-03	4e-04	6e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8710e+00	2.8693e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9859e+00	3.9858e+00	2e-01	6e-02	2e-15	5e-03
3:	3.9999e+00	3.9999e+00	2e-03	6e-04	5e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	7e-16	5e-07

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5:  4.0000e+00  4.0000e+00  2e-07  6e-08  5e-16  5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.1124e+00  3.1125e+00  5e+00  2e+00  2e-16  1e-01
2:  3.9898e+00  3.9898e+00  8e-02  3e-02  4e-15  2e-03
3:  3.9999e+00  3.9999e+00  8e-04  3e-04  6e-16  2e-05
4:  4.0000e+00  4.0000e+00  8e-06  3e-06  4e-16  2e-07
5:  4.0000e+00  4.0000e+00  8e-08  3e-08  6e-16  2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.8638e+00  2.8655e+00  6e+00  2e+00  3e-16  2e-01
2:  3.9537e+00  3.9539e+00  4e-01  1e-01  1e-15  1e-02
3:  3.9995e+00  3.9995e+00  4e-03  1e-03  5e-16  1e-04
4:  4.0000e+00  4.0000e+00  4e-05  1e-05  5e-16  1e-06
5:  4.0000e+00  4.0000e+00  4e-07  1e-07  4e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.7892e+00  2.7903e+00  7e+00  2e+00  2e-16  2e-01
2:  3.9275e+00  3.9276e+00  7e-01  2e-01  5e-15  2e-02
3:  3.9993e+00  3.9993e+00  7e-03  2e-03  6e-16  2e-04
4:  4.0000e+00  4.0000e+00  7e-05  2e-05  4e-16  2e-06
5:  4.0000e+00  4.0000e+00  7e-07  2e-07  7e-16  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.8959e+00  2.8952e+00  6e+00  2e+00  2e-16  2e-01
2:  3.9700e+00  3.9699e+00  3e-01  1e-01  3e-15  8e-03
3:  3.9997e+00  3.9997e+00  3e-03  1e-03  5e-16  8e-05
4:  4.0000e+00  4.0000e+00  3e-05  1e-05  4e-16  8e-07
5:  4.0000e+00  4.0000e+00  3e-07  1e-07  5e-16  8e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.8185e+00  2.8196e+00  6e+00  2e+00  4e-16  2e-01
2:  3.9601e+00  3.9602e+00  4e-01  1e-01  3e-15  1e-02
3:  3.9996e+00  3.9996e+00  4e-03  1e-03  9e-16  1e-04
4:  4.0000e+00  4.0000e+00  4e-05  1e-05  7e-16  1e-06
5:  4.0000e+00  4.0000e+00  4e-07  1e-07  9e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.0728e+00  3.0733e+00  5e+00  2e+00  2e-16  1e-01
2:  3.9877e+00  3.9877e+00  1e-01  3e-02  6e-16  2e-03
3:  3.9999e+00  3.9999e+00  1e-03  3e-04  4e-16  2e-05
4:  4.0000e+00  4.0000e+00  1e-05  3e-06  6e-16  2e-07

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5: 4.0000e+00 4.0000e+00 1e-07 3e-08 4e-16 2e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0967e+00	3.0974e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9835e+00	3.9835e+00	1e-01	4e-02	1e-15	3e-03
3:	3.9998e+00	3.9998e+00	1e-03	4e-04	7e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4535e+00	2.4509e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9515e+00	3.9508e+00	9e-01	3e-01	2e-15	2e-02
3:	3.9994e+00	3.9994e+00	1e-02	3e-03	7e-16	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2711e+00	3.2712e+00	4e+00	1e+00	2e-16	1e-01
2:	3.9913e+00	3.9913e+00	5e-02	2e-02	2e-15	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	2e-04	7e-16	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	4.0000e+00	4.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9440e+00	2.9449e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9835e+00	3.9835e+00	2e-01	5e-02	1e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	5e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8508e+00	2.8494e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9459e+00	3.9457e+00	5e-01	1e-01	1e-15	1e-02
3:	3.9994e+00	3.9994e+00	5e-03	2e-03	7e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8774e+00	2.8771e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9531e+00	3.9530e+00	4e-01	1e-01	1e-15	9e-03
3:	3.9995e+00	3.9995e+00	4e-03	1e-03	1e-15	9e-05
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	1e-15	9e-07

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5: 4.0000e+00 4.0000e+00 4e-07 1e-07 1e-15 9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.9944e+00 2.9952e+00 6e+00 2e+00 3e-16 1e-01
2: 3.9697e+00 3.9698e+00 2e-01 7e-02 4e-15 6e-03
3: 3.9997e+00 3.9997e+00 2e-03 7e-04 5e-16 6e-05
4: 4.0000e+00 4.0000e+00 2e-05 7e-06 3e-16 6e-07
5: 4.0000e+00 4.0000e+00 2e-07 7e-08 7e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.4850e+00 2.4865e+00 7e+00 2e+00 3e-16 2e-01
2: 3.9206e+00 3.9209e+00 1e+00 3e-01 2e-15 2e-02
3: 3.9991e+00 3.9991e+00 1e-02 3e-03 5e-16 2e-04
4: 4.0000e+00 4.0000e+00 1e-04 3e-05 6e-16 2e-06
5: 4.0000e+00 4.0000e+00 1e-06 3e-07 8e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.2776e+00 2.2785e+00 6e+00 2e+00 3e-16 2e-01
2: 3.7832e+00 3.7836e+00 2e+00 6e-01 1e-15 5e-02
3: 3.9903e+00 3.9904e+00 5e-02 2e-02 2e-15 1e-03
4: 3.9999e+00 3.9999e+00 5e-04 2e-04 5e-16 1e-05
5: 4.0000e+00 4.0000e+00 5e-06 2e-06 5e-16 1e-07
6: 4.0000e+00 4.0000e+00 5e-08 2e-08 6e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1733e+00 3.1735e+00 5e+00 1e+00 2e-16 1e-01
2: 3.9892e+00 3.9892e+00 7e-02 2e-02 2e-15 2e-03
3: 3.9999e+00 3.9999e+00 7e-04 2e-04 7e-16 2e-05
4: 4.0000e+00 4.0000e+00 7e-06 2e-06 6e-16 2e-07
5: 4.0000e+00 4.0000e+00 7e-08 2e-08 4e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8861e+00 2.8876e+00 6e+00 2e+00 3e-16 1e-01
2: 3.9671e+00 3.9672e+00 3e-01 9e-02 3e-15 7e-03
3: 3.9997e+00 3.9997e+00 3e-03 9e-04 8e-16 7e-05
4: 4.0000e+00 4.0000e+00 3e-05 9e-06 6e-16 7e-07
5: 4.0000e+00 4.0000e+00 3e-07 9e-08 5e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.8199e+00 2.8210e+00 7e+00 2e+00 2e-16 2e-01
2: 3.9645e+00 3.9646e+00 4e-01 1e-01 1e-15 9e-03
3: 3.9996e+00 3.9996e+00 4e-03 1e-03 5e-16 9e-05

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4:  4.0000e+00  4.0000e+00  4e-05  1e-05  5e-16  9e-07
5:  4.0000e+00  4.0000e+00  4e-07  1e-07  8e-16  9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.2644e+00  3.2645e+00  4e+00  1e+00  2e-16  1e-01
2:  3.9909e+00  3.9909e+00  5e-02  2e-02  2e-15  1e-03
3:  3.9999e+00  3.9999e+00  5e-04  2e-04  8e-16  1e-05
4:  4.0000e+00  4.0000e+00  5e-06  2e-06  1e-15  1e-07
5:  4.0000e+00  4.0000e+00  5e-08  2e-08  4e-16  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.0432e+00  3.0436e+00  5e+00  2e+00  2e-16  1e-01
2:  3.9820e+00  3.9820e+00  1e-01  4e-02  1e-15  3e-03
3:  3.9998e+00  3.9998e+00  1e-03  4e-04  5e-16  3e-05
4:  4.0000e+00  4.0000e+00  1e-05  4e-06  5e-16  3e-07
5:  4.0000e+00  4.0000e+00  1e-07  4e-08  6e-16  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.6057e+00  2.6040e+00  6e+00  2e+00  3e-16  2e-01
2:  3.9592e+00  3.9590e+00  6e-01  2e-01  3e-15  2e-02
3:  3.9996e+00  3.9996e+00  6e-03  2e-03  2e-15  2e-04
4:  4.0000e+00  4.0000e+00  6e-05  2e-05  1e-15  2e-06
5:  4.0000e+00  4.0000e+00  6e-07  2e-07  9e-16  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  2.9008e+00  2.9000e+00  6e+00  2e+00  3e-16  2e-01
2:  3.9822e+00  3.9821e+00  2e-01  7e-02  9e-16  6e-03
3:  3.9998e+00  3.9998e+00  2e-03  7e-04  6e-16  6e-05
4:  4.0000e+00  4.0000e+00  2e-05  7e-06  5e-16  6e-07
5:  4.0000e+00  4.0000e+00  2e-07  7e-08  5e-16  6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.0379e+00  3.0384e+00  6e+00  2e+00  4e-16  1e-01
2:  3.9760e+00  3.9760e+00  2e-01  6e-02  2e-15  5e-03
3:  3.9998e+00  3.9998e+00  2e-03  6e-04  6e-16  5e-05
4:  4.0000e+00  4.0000e+00  2e-05  6e-06  6e-16  5e-07
5:  4.0000e+00  4.0000e+00  2e-07  6e-08  5e-16  5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  3.0008e+00  3.0009e+00  6e+00  2e+00  4e-16  1e-01
2:  3.9731e+00  3.9731e+00  2e-01  7e-02  2e-15  6e-03
3:  3.9997e+00  3.9997e+00  2e-03  7e-04  7e-16  6e-05

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4:	4.0000e+00	4.0000e+00	2e-05	7e-06	6e-16	6e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7034e+00	2.7033e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9630e+00	3.9630e+00	5e-01	2e-01	2e-15	1e-02
3:	3.9996e+00	3.9996e+00	5e-03	2e-03	6e-16	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8816e+00	2.8826e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9657e+00	3.9658e+00	3e-01	1e-01	1e-15	8e-03
3:	3.9997e+00	3.9997e+00	3e-03	1e-03	5e-16	8e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	4e-16	8e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9300e+00	2.9312e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9592e+00	3.9593e+00	3e-01	1e-01	8e-16	9e-03
3:	3.9996e+00	3.9996e+00	4e-03	1e-03	6e-16	9e-05
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	5e-16	9e-07
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7304e+00	2.7334e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9259e+00	3.9263e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9992e+00	3.9992e+00	7e-03	2e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0067e+00	3.0075e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9738e+00	3.9738e+00	2e-01	6e-02	3e-15	5e-03
3:	3.9997e+00	3.9997e+00	2e-03	7e-04	9e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	7e-06	5e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9471e+00	2.9493e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9723e+00	3.9724e+00	2e-01	7e-02	2e-15	5e-03
3:	3.9997e+00	3.9997e+00	2e-03	7e-04	7e-16	5e-05

4:	4.0000e+00	4.0000e+00	2e-05	7e-06	7e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7153e+00	2.7171e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9496e+00	3.9498e+00	6e-01	2e-01	2e-15	1e-02
3:	3.9995e+00	3.9995e+00	6e-03	2e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	5e-16	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5624e+00	2.5623e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9380e+00	3.9380e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9993e+00	3.9993e+00	7e-03	2e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8558e+00	2.8577e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9720e+00	3.9721e+00	3e-01	9e-02	2e-15	7e-03
3:	3.9997e+00	3.9997e+00	3e-03	9e-04	7e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0489e+00	3.0496e+00	6e+00	2e+00	2e-16	1e-01
2:	3.9659e+00	3.9660e+00	3e-01	8e-02	1e-15	6e-03
3:	3.9997e+00	3.9997e+00	3e-03	8e-04	6e-16	6e-05
4:	4.0000e+00	4.0000e+00	3e-05	8e-06	8e-16	6e-07
5:	4.0000e+00	4.0000e+00	3e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0464e+00	3.0477e+00	5e+00	2e+00	6e-16	1e-01
2:	3.9802e+00	3.9803e+00	1e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	1e-03	5e-04	7e-16	4e-05
4:	4.0000e+00	4.0000e+00	1e-05	5e-06	8e-16	4e-07
5:	4.0000e+00	4.0000e+00	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0059e+00	3.0070e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9837e+00	3.9837e+00	1e-01	4e-02	8e-16	3e-03
3:	3.9998e+00	3.9998e+00	1e-03	4e-04	7e-16	3e-05



4:	4.0000e+00	4.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6113e+00	2.6113e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9635e+00	3.9635e+00	6e-01	2e-01	2e-15	1e-02
3:	3.9996e+00	3.9996e+00	6e-03	2e-03	6e-16	1e-04
4:	4.0000e+00	4.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	4.0000e+00	4.0000e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6969e+00	2.6958e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9408e+00	3.9406e+00	7e-01	2e-01	8e-16	2e-02
3:	3.9994e+00	3.9994e+00	7e-03	2e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	5e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2234e+00	3.2238e+00	4e+00	1e+00	5e-16	1e-01
2:	3.9908e+00	3.9908e+00	6e-02	2e-02	1e-15	1e-03
3:	3.9999e+00	3.9999e+00	6e-04	2e-04	1e-15	1e-05
4:	4.0000e+00	4.0000e+00	6e-06	2e-06	1e-15	1e-07
5:	4.0000e+00	4.0000e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5316e+00	2.5320e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9538e+00	3.9539e+00	7e-01	2e-01	2e-15	2e-02
3:	3.9995e+00	3.9995e+00	7e-03	2e-03	6e-16	2e-04
4:	4.0000e+00	4.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	4.0000e+00	4.0000e+00	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7435e+00	2.7446e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9110e+00	3.9112e+00	8e-01	3e-01	1e-15	2e-02
3:	3.9991e+00	3.9991e+00	8e-03	3e-03	7e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	5e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	6e-16	2e-08
6:	4.0000e+00	4.0000e+00	8e-09	3e-09	4e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5271e+00	3.5273e+00	6e+00	2e+00	2e-16	2e-01
2:	4.9553e+00	4.9554e+00	4e-01	1e-01	1e-15	9e-03

3:	4.9996e+00	4.9996e+00	4e-03	1e-03	3e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	7e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9041e+00	3.9044e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9861e+00	4.9861e+00	8e-02	3e-02	3e-15	2e-03
3:	4.9999e+00	4.9999e+00	8e-04	3e-04	7e-16	2e-05
4:	5.0000e+00	5.0000e+00	8e-06	3e-06	4e-16	2e-07
5:	5.0000e+00	5.0000e+00	8e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8388e+00	3.8396e+00	5e+00	2e+00	2e-16	1e-01
2:	4.9791e+00	4.9791e+00	1e-01	4e-02	1e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	5e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4090e+00	3.4112e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8590e+00	4.8595e+00	1e+00	4e-01	8e-16	3e-02
3:	4.9983e+00	4.9983e+00	1e-02	4e-03	9e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	6e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	6e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6560e+00	3.6571e+00	6e+00	2e+00	4e-16	1e-01
2:	4.9431e+00	4.9432e+00	4e-01	1e-01	1e-15	9e-03
3:	4.9994e+00	4.9994e+00	4e-03	1e-03	6e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	8e-16	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2661e+00	3.2661e+00	6e+00	2e+00	4e-16	1e-01
2:	4.7105e+00	4.7104e+00	2e+00	6e-01	1e-15	5e-02
3:	4.9944e+00	4.9944e+00	4e-02	1e-02	9e-16	9e-04
4:	4.9999e+00	4.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	5.0000e+00	5.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	5.0000e+00	5.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.4342e+00	3.4342e+00	7e+00	2e+00	6e-16	2e-01
2:	4.9282e+00	4.9282e+00	6e-01	2e-01	3e-15	2e-02
3:	4.9993e+00	4.9993e+00	6e-03	2e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0389e+00	4.0392e+00	4e+00	1e+00	3e-16	1e-01
2:	4.9876e+00	4.9876e+00	6e-02	2e-02	2e-15	2e-03
3:	4.9999e+00	4.9999e+00	6e-04	2e-04	7e-16	2e-05
4:	5.0000e+00	5.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	5.0000e+00	5.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6299e+00	3.6310e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8957e+00	4.8959e+00	7e-01	2e-01	1e-15	2e-02
3:	4.9989e+00	4.9989e+00	7e-03	2e-03	1e-15	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6843e+00	2.6868e+00	7e+00	2e+00	3e-16	2e-01
2:	4.7757e+00	4.7766e+00	2e+00	6e-01	9e-16	4e-02
3:	4.9760e+00	4.9762e+00	1e-01	3e-02	2e-15	3e-03
4:	4.9998e+00	4.9998e+00	1e-03	3e-04	5e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7564e+00	3.7572e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9723e+00	4.9723e+00	2e-01	6e-02	1e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	6e-04	3e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	6e-06	5e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	6e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8914e+00	3.8917e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9850e+00	4.9850e+00	9e-02	3e-02	8e-16	2e-03
3:	4.9999e+00	4.9999e+00	9e-04	3e-04	6e-16	2e-05
4:	5.0000e+00	5.0000e+00	9e-06	3e-06	7e-16	2e-07
5:	5.0000e+00	5.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3687e+00	3.3680e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9582e+00	4.9581e+00	5e-01	1e-01	1e-15	1e-02
3:	4.9996e+00	4.9996e+00	5e-03	2e-03	6e-16	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	2e-05	7e-16	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6715e+00	2.6733e+00	6e+00	2e+00	3e-16	2e-01
2:	4.5469e+00	4.5478e+00	2e+00	8e-01	1e-15	6e-02
3:	4.8958e+00	4.8964e+00	5e-01	1e-01	1e-15	1e-02
4:	4.9988e+00	4.9988e+00	6e-03	2e-03	4e-16	1e-04
5:	5.0000e+00	5.0000e+00	6e-05	2e-05	6e-16	1e-06
6:	5.0000e+00	5.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5449e+00	3.5474e+00	6e+00	2e+00	4e-16	2e-01
2:	4.9587e+00	4.9589e+00	3e-01	1e-01	1e-15	7e-03
3:	4.9996e+00	4.9996e+00	3e-03	1e-03	6e-16	7e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	7e-16	7e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5796e+00	3.5809e+00	6e+00	2e+00	4e-16	2e-01
2:	4.9378e+00	4.9379e+00	5e-01	1e-01	2e-15	1e-02
3:	4.9994e+00	4.9994e+00	5e-03	1e-03	5e-16	1e-04
4:	5.0000e+00	5.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6170e+00	3.6191e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9395e+00	4.9397e+00	4e-01	1e-01	2e-15	9e-03
3:	4.9994e+00	4.9994e+00	4e-03	1e-03	5e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8804e+00	2.8844e+00	7e+00	2e+00	3e-16	2e-01
2:	4.6834e+00	4.6849e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9886e+00	4.9887e+00	5e-02	2e-02	2e-15	1e-03
4:	4.9999e+00	4.9999e+00	5e-04	2e-04	5e-16	1e-05
5:	5.0000e+00	5.0000e+00	5e-06	2e-06	5e-16	1e-07
6:	5.0000e+00	5.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5662e+00	3.5684e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9126e+00	4.9128e+00	6e-01	2e-01	6e-16	1e-02
3:	4.9991e+00	4.9991e+00	6e-03	2e-03	7e-16	1e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5575e+00	3.5579e+00	6e+00	2e+00	4e-16	1e-01
2:	4.9791e+00	4.9792e+00	2e-01	6e-02	2e-15	5e-03
3:	4.9998e+00	4.9998e+00	2e-03	6e-04	8e-16	5e-05
4:	5.0000e+00	5.0000e+00	2e-05	6e-06	7e-16	5e-07
5:	5.0000e+00	5.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8399e+00	3.8408e+00	5e+00	2e+00	6e-16	1e-01
2:	4.9768e+00	4.9769e+00	1e-01	4e-02	1e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	6e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9981e+00	3.9986e+00	4e+00	1e+00	2e-16	1e-01
2:	4.9874e+00	4.9874e+00	6e-02	2e-02	2e-15	2e-03
3:	4.9999e+00	4.9999e+00	6e-04	2e-04	6e-16	2e-05
4:	5.0000e+00	5.0000e+00	6e-06	2e-06	9e-16	2e-07
5:	5.0000e+00	5.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9338e+00	3.9348e+00	5e+00	1e+00	2e-16	1e-01
2:	4.9755e+00	4.9756e+00	1e-01	4e-02	5e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	9e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	1e-15	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6351e+00	3.6360e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9489e+00	4.9489e+00	4e-01	1e-01	1e-15	9e-03
3:	4.9995e+00	4.9995e+00	4e-03	1e-03	5e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8720e+00	3.8731e+00	5e+00	2e+00	6e-16	1e-01
2:	4.9820e+00	4.9820e+00	1e-01	3e-02	3e-15	2e-03
3:	4.9998e+00	4.9998e+00	1e-03	3e-04	1e-15	2e-05
4:	5.0000e+00	5.0000e+00	1e-05	3e-06	8e-16	2e-07
5:	5.0000e+00	5.0000e+00	1e-07	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5137e+00	3.5148e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9718e+00	4.9718e+00	2e-01	8e-02	3e-15	6e-03
3:	4.9997e+00	4.9997e+00	2e-03	8e-04	6e-16	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	8e-06	5e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8754e+00	2.8780e+00	6e+00	2e+00	2e-16	1e-01
2:	4.6747e+00	4.6759e+00	2e+00	7e-01	1e-15	5e-02
3:	4.9653e+00	4.9655e+00	1e-01	4e-02	2e-15	3e-03
4:	4.9997e+00	4.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	5.0000e+00	5.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	5.0000e+00	5.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5251e+00	3.5258e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9700e+00	4.9700e+00	3e-01	9e-02	1e-15	7e-03
3:	4.9997e+00	4.9997e+00	3e-03	9e-04	4e-16	7e-05
4:	5.0000e+00	5.0000e+00	3e-05	9e-06	4e-16	7e-07
5:	5.0000e+00	5.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3292e+00	3.3327e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9388e+00	4.9392e+00	6e-01	2e-01	2e-15	1e-02
3:	4.9994e+00	4.9994e+00	6e-03	2e-03	7e-16	1e-04
4:	5.0000e+00	5.0000e+00	6e-05	2e-05	9e-16	1e-06
5:	5.0000e+00	5.0000e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3551e+00	3.3571e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9069e+00	4.9073e+00	8e-01	2e-01	1e-15	2e-02
3:	4.9990e+00	4.9990e+00	8e-03	2e-03	7e-16	2e-04
4:	5.0000e+00	5.0000e+00	8e-05	2e-05	7e-16	2e-06

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5: 5.0000e+00 5.0000e+00 8e-07 2e-07 7e-16 2e-08
Terminated (singular KKT matrix).
    pcost      dcost      gap    pres    dres    k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.4322e+00 3.4323e+00 7e+00 2e+00 6e-16 2e-01
2: 4.9485e+00 4.9485e+00 5e-01 1e-01 1e-15 1e-02
3: 4.9995e+00 4.9995e+00 5e-03 1e-03 9e-16 1e-04
4: 5.0000e+00 5.0000e+00 5e-05 1e-05 1e-15 1e-06
5: 5.0000e+00 5.0000e+00 5e-07 1e-07 5e-16 1e-08
Terminated (singular KKT matrix).
    pcost      dcost      gap    pres    dres    k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2139e+00 3.2171e+00 7e+00 2e+00 2e-16 2e-01
2: 4.7563e+00 4.7571e+00 2e+00 5e-01 8e-16 4e-02
3: 4.9963e+00 4.9964e+00 2e-02 6e-03 2e-15 5e-04
4: 5.0000e+00 5.0000e+00 2e-04 6e-05 8e-16 5e-06
5: 5.0000e+00 5.0000e+00 2e-06 6e-07 8e-16 5e-08
6: 5.0000e+00 5.0000e+00 2e-08 6e-09 6e-16 5e-10
Optimal solution found.
    pcost      dcost      gap    pres    dres    k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.6511e+00 3.6519e+00 6e+00 2e+00 3e-16 2e-01
2: 4.9479e+00 4.9479e+00 3e-01 1e-01 3e-15 8e-03
3: 4.9995e+00 4.9995e+00 3e-03 1e-03 7e-16 8e-05
4: 5.0000e+00 5.0000e+00 3e-05 1e-05 6e-16 8e-07
5: 5.0000e+00 5.0000e+00 3e-07 1e-07 9e-16 8e-09
Terminated (singular KKT matrix).
    pcost      dcost      gap    pres    dres    k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.8027e+00 3.8045e+00 5e+00 2e+00 3e-16 1e-01
2: 4.9804e+00 4.9805e+00 1e-01 4e-02 2e-15 3e-03
3: 4.9998e+00 4.9998e+00 1e-03 4e-04 1e-15 3e-05
4: 5.0000e+00 5.0000e+00 1e-05 4e-06 6e-16 3e-07
5: 5.0000e+00 5.0000e+00 1e-07 4e-08 8e-16 3e-09
Optimal solution found.
    pcost      dcost      gap    pres    dres    k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.3942e+00 3.3969e+00 7e+00 2e+00 4e-16 2e-01
2: 4.9240e+00 4.9244e+00 7e-01 2e-01 3e-15 2e-02
3: 4.9992e+00 4.9992e+00 8e-03 2e-03 7e-16 2e-04
4: 5.0000e+00 5.0000e+00 8e-05 2e-05 8e-16 2e-06
5: 5.0000e+00 5.0000e+00 8e-07 2e-07 7e-16 2e-08
Terminated (singular KKT matrix).
    pcost      dcost      gap    pres    dres    k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.3048e+00 3.3052e+00 6e+00 2e+00 3e-16 2e-01
2: 4.7899e+00 4.7900e+00 2e+00 5e-01 2e-15 4e-02
3: 4.9969e+00 4.9970e+00 2e-02 6e-03 1e-15 5e-04

```

4:	5.0000e+00	5.0000e+00	2e-04	6e-05	8e-16	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	4e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7938e+00	3.7950e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9601e+00	4.9601e+00	2e-01	7e-02	1e-15	6e-03
3:	4.9996e+00	4.9996e+00	2e-03	7e-04	1e-15	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	9e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3140e+00	3.3138e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8768e+00	4.8768e+00	1e+00	3e-01	2e-15	2e-02
3:	4.9986e+00	4.9986e+00	1e-02	3e-03	2e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0915e+00	3.0912e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9030e+00	4.9029e+00	1e+00	3e-01	2e-15	2e-02
3:	4.9989e+00	4.9989e+00	1e-02	3e-03	9e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8029e+00	3.8037e+00	6e+00	2e+00	4e-16	1e-01
2:	4.9718e+00	4.9719e+00	2e-01	5e-02	9e-16	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	5e-04	8e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2694e+00	3.2711e+00	7e+00	2e+00	5e-16	2e-01
2:	4.8908e+00	4.8912e+00	9e-01	3e-01	2e-15	2e-02
3:	4.9988e+00	4.9988e+00	1e-02	3e-03	8e-16	2e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	5e-16	2e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2167e+00	3.2150e+00	6e+00	2e+00	5e-16	2e-01
2:	4.9279e+00	4.9274e+00	9e-01	3e-01	3e-15	2e-02



3:	4.9992e+00	4.9992e+00	9e-03	3e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	9e-05	3e-05	7e-16	2e-06
5:	5.0000e+00	5.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9427e+00	3.9437e+00	5e+00	1e+00	5e-16	1e-01
2:	4.9806e+00	4.9807e+00	1e-01	3e-02	3e-15	2e-03
3:	4.9998e+00	4.9998e+00	1e-03	3e-04	9e-16	2e-05
4:	5.0000e+00	5.0000e+00	1e-05	3e-06	5e-16	2e-07
5:	5.0000e+00	5.0000e+00	1e-07	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0815e+00	3.0804e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9101e+00	4.9098e+00	1e+00	3e-01	2e-15	3e-02
3:	4.9989e+00	4.9989e+00	1e-02	3e-03	9e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	3e-05	9e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4438e+00	3.4436e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9690e+00	4.9690e+00	3e-01	1e-01	3e-15	8e-03
3:	4.9997e+00	4.9997e+00	3e-03	1e-03	7e-16	8e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	6e-16	8e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	9e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2665e+00	3.2689e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9342e+00	4.9345e+00	6e-01	2e-01	3e-15	2e-02
3:	4.9993e+00	4.9993e+00	7e-03	2e-03	8e-16	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1132e+00	3.1131e+00	6e+00	2e+00	3e-16	2e-01
2:	4.8343e+00	4.8343e+00	1e+00	4e-01	4e-15	3e-02
3:	4.9978e+00	4.9978e+00	2e-02	5e-03	9e-16	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	7e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	6e-16	4e-08
6:	5.0000e+00	5.0000e+00	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8991e+00	2.9002e+00	7e+00	2e+00	3e-16	2e-01

2:	4.8281e+00	4.8284e+00	1e+00	5e-01	1e-15	4e-02
3:	4.9969e+00	4.9969e+00	2e-02	6e-03	1e-15	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	5e-16	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	7e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6096e+00	3.6112e+00	6e+00	2e+00	5e-16	1e-01
2:	4.9440e+00	4.9441e+00	4e-01	1e-01	3e-15	9e-03
3:	4.9994e+00	4.9994e+00	4e-03	1e-03	1e-15	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	8e-16	9e-07
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8795e+00	3.8802e+00	5e+00	2e+00	5e-16	1e-01
2:	4.9783e+00	4.9784e+00	1e-01	4e-02	2e-15	3e-03
3:	4.9998e+00	4.9998e+00	1e-03	4e-04	1e-15	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	9e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7473e+00	3.7448e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9029e+00	5.9023e+00	9e-01	3e-01	2e-15	2e-02
3:	5.9987e+00	5.9987e+00	1e-02	3e-03	2e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6138e+00	4.6149e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9766e+00	5.9767e+00	1e-01	4e-02	2e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	8e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	8e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9956e+00	3.9947e+00	6e+00	2e+00	4e-16	2e-01
2:	5.9263e+00	5.9262e+00	7e-01	2e-01	2e-15	2e-02
3:	5.9992e+00	5.9992e+00	7e-03	2e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	3.7155e+00	3.7177e+00	6e+00	2e+00	2e-16	2e-01
2:	5.6366e+00	5.6374e+00	2e+00	6e-01	1e-15	4e-02
3:	5.9808e+00	5.9808e+00	7e-02	2e-02	3e-15	2e-03
4:	5.9998e+00	5.9998e+00	7e-04	2e-04	6e-16	2e-05
5:	6.0000e+00	6.0000e+00	7e-06	2e-06	3e-16	2e-07
6:	6.0000e+00	6.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5726e+00	4.5742e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9660e+00	5.9660e+00	2e-01	5e-02	2e-15	4e-03
3:	5.9997e+00	5.9997e+00	2e-03	5e-04	7e-16	4e-05
4:	6.0000e+00	6.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	6.0000e+00	6.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0626e+00	4.0643e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8992e+00	5.8995e+00	7e-01	2e-01	3e-15	2e-02
3:	5.9990e+00	5.9990e+00	7e-03	2e-03	5e-16	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	4e-16	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8289e+00	4.8294e+00	4e+00	1e+00	3e-16	1e-01
2:	5.9837e+00	5.9837e+00	7e-02	2e-02	3e-15	2e-03
3:	5.9998e+00	5.9998e+00	7e-04	2e-04	1e-15	2e-05
4:	6.0000e+00	6.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	6.0000e+00	6.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2530e+00	4.2535e+00	6e+00	2e+00	2e-16	2e-01
2:	5.8857e+00	5.8858e+00	6e-01	2e-01	1e-15	1e-02
3:	5.9988e+00	5.9988e+00	6e-03	2e-03	7e-16	2e-04
4:	6.0000e+00	6.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	6.0000e+00	6.0000e+00	6e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8998e+00	3.9013e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8133e+00	5.8137e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9977e+00	5.9977e+00	1e-02	4e-03	2e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	4e-07	8e-16	3e-08
6:	6.0000e+00	6.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3614e+00	4.3633e+00	6e+00	2e+00	4e-16	1e-01
2:	5.8895e+00	5.8897e+00	6e-01	2e-01	8e-16	1e-02
3:	5.9989e+00	5.9989e+00	6e-03	2e-03	9e-16	2e-04
4:	6.0000e+00	6.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	6.0000e+00	6.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6006e+00	3.6036e+00	6e+00	2e+00	2e-16	1e-01
2:	5.6766e+00	5.6778e+00	2e+00	6e-01	3e-15	5e-02
3:	5.9790e+00	5.9792e+00	8e-02	3e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	8e-04	3e-04	3e-16	2e-05
5:	6.0000e+00	6.0000e+00	8e-06	3e-06	7e-16	2e-07
6:	6.0000e+00	6.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9731e+00	3.9730e+00	7e+00	2e+00	4e-16	2e-01
2:	5.8889e+00	5.8889e+00	8e-01	2e-01	8e-16	2e-02
3:	5.9988e+00	5.9988e+00	8e-03	3e-03	9e-16	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3534e+00	4.3562e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9498e+00	5.9500e+00	3e-01	9e-02	3e-15	7e-03
3:	5.9995e+00	5.9995e+00	3e-03	9e-04	6e-16	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	9e-06	8e-16	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2994e+00	4.3003e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9618e+00	5.9618e+00	3e-01	8e-02	1e-15	7e-03
3:	5.9996e+00	5.9996e+00	3e-03	8e-04	4e-16	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	8e-06	3e-16	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	8e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8921e+00	3.8934e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9139e+00	5.9141e+00	7e-01	2e-01	3e-15	2e-02
3:	5.9990e+00	5.9990e+00	7e-03	2e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3527e+00	4.3541e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9200e+00	5.9201e+00	5e-01	1e-01	2e-15	1e-02
3:	5.9992e+00	5.9992e+00	5e-03	1e-03	6e-16	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	1e-05	7e-16	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1147e+00	4.1171e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8220e+00	5.8225e+00	1e+00	3e-01	3e-15	2e-02
3:	5.9981e+00	5.9981e+00	1e-02	3e-03	8e-16	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	8e-16	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	8e-16	3e-08
6:	6.0000e+00	6.0000e+00	1e-08	3e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4606e+00	4.4614e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9693e+00	5.9693e+00	2e-01	5e-02	2e-15	4e-03
3:	5.9997e+00	5.9997e+00	2e-03	5e-04	7e-16	4e-05
4:	6.0000e+00	6.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	6.0000e+00	6.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4699e+00	4.4704e+00	6e+00	2e+00	4e-16	1e-01
2:	5.9802e+00	5.9802e+00	1e-01	4e-02	1e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	6e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1330e+00	4.1350e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8969e+00	5.8971e+00	7e-01	2e-01	2e-15	2e-02
3:	5.9989e+00	5.9989e+00	7e-03	2e-03	6e-16	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3696e+00	4.3707e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9266e+00	5.9267e+00	4e-01	1e-01	3e-15	1e-02
3:	5.9993e+00	5.9993e+00	4e-03	1e-03	7e-16	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	5e-16	1e-06

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5: 6.0000e+00 6.0000e+00 4e-07 1e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.3333e+00 4.3342e+00 6e+00 2e+00 3e-16 2e-01
2: 5.9658e+00 5.9659e+00 2e-01 7e-02 3e-15 5e-03
3: 5.9997e+00 5.9997e+00 2e-03 7e-04 3e-16 5e-05
4: 6.0000e+00 6.0000e+00 2e-05 7e-06 4e-16 5e-07
5: 6.0000e+00 6.0000e+00 2e-07 7e-08 7e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.3196e+00 4.3223e+00 6e+00 2e+00 4e-16 1e-01
2: 5.8416e+00 5.8420e+00 8e-01 3e-01 2e-15 2e-02
3: 5.9983e+00 5.9983e+00 8e-03 3e-03 8e-16 2e-04
4: 6.0000e+00 6.0000e+00 8e-05 3e-05 8e-16 2e-06
5: 6.0000e+00 6.0000e+00 8e-07 3e-07 5e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.3754e+00 4.3768e+00 6e+00 2e+00 2e-16 2e-01
2: 5.9231e+00 5.9233e+00 4e-01 1e-01 4e-15 1e-02
3: 5.9992e+00 5.9992e+00 4e-03 1e-03 7e-16 1e-04
4: 6.0000e+00 6.0000e+00 4e-05 1e-05 7e-16 1e-06
5: 6.0000e+00 6.0000e+00 4e-07 1e-07 7e-16 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.4420e+00 4.4432e+00 6e+00 2e+00 4e-16 1e-01
2: 5.9666e+00 5.9666e+00 2e-01 6e-02 2e-15 4e-03
3: 5.9997e+00 5.9997e+00 2e-03 6e-04 7e-16 4e-05
4: 6.0000e+00 6.0000e+00 2e-05 6e-06 5e-16 4e-07
5: 6.0000e+00 6.0000e+00 2e-07 6e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.4991e+00 4.5010e+00 6e+00 2e+00 3e-16 1e-01
2: 5.9691e+00 5.9692e+00 2e-01 5e-02 2e-15 4e-03
3: 5.9997e+00 5.9997e+00 2e-03 5e-04 5e-16 4e-05
4: 6.0000e+00 6.0000e+00 2e-05 5e-06 1e-15 4e-07
5: 6.0000e+00 6.0000e+00 2e-07 5e-08 6e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 4.2016e+00 4.2024e+00 7e+00 2e+00 3e-16 2e-01
2: 5.7994e+00 5.7996e+00 1e+00 4e-01 1e-15 3e-02
3: 5.9979e+00 5.9979e+00 1e-02 4e-03 6e-16 3e-04
4: 6.0000e+00 6.0000e+00 1e-04 4e-05 6e-16 3e-06

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5: 6.0000e+00 6.0000e+00 1e-06 4e-07 6e-16 3e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1368e+00	4.1364e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9247e+00	5.9247e+00	6e-01	2e-01	3e-15	1e-02
3:	5.9992e+00	5.9992e+00	6e-03	2e-03	1e-15	1e-04
4:	6.0000e+00	6.0000e+00	6e-05	2e-05	9e-16	1e-06
5:	6.0000e+00	6.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3753e+00	3.3736e+00	6e+00	2e+00	3e-16	2e-01
2:	5.4218e+00	5.4209e+00	2e+00	7e-01	1e-15	6e-02
3:	5.9714e+00	5.9712e+00	1e-01	5e-02	2e-15	4e-03
4:	5.9997e+00	5.9997e+00	1e-03	5e-04	5e-16	4e-05
5:	6.0000e+00	6.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	6.0000e+00	6.0000e+00	1e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5218e+00	4.5230e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9584e+00	5.9585e+00	2e-01	7e-02	2e-15	5e-03
3:	5.9996e+00	5.9996e+00	2e-03	7e-04	1e-15	5e-05
4:	6.0000e+00	6.0000e+00	2e-05	7e-06	8e-16	5e-07
5:	6.0000e+00	6.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0344e+00	4.0356e+00	6e+00	2e+00	3e-16	2e-01
2:	5.7070e+00	5.7075e+00	2e+00	5e-01	2e-15	4e-02
3:	5.9965e+00	5.9965e+00	2e-02	6e-03	1e-15	5e-04
4:	6.0000e+00	6.0000e+00	2e-04	6e-05	7e-16	5e-06
5:	6.0000e+00	6.0000e+00	2e-06	6e-07	8e-16	5e-08
6:	6.0000e+00	6.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9199e+00	4.9200e+00	4e+00	1e+00	3e-16	1e-01
2:	5.9885e+00	5.9885e+00	4e-02	1e-02	1e-15	1e-03
3:	5.9999e+00	5.9999e+00	4e-04	1e-04	1e-15	1e-05
4:	6.0000e+00	6.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	6.0000e+00	6.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7624e+00	3.7662e+00	7e+00	2e+00	3e-16	2e-01
2:	5.6580e+00	5.6594e+00	2e+00	6e-01	1e-15	4e-02

3:	5.9924e+00	5.9925e+00	3e-02	1e-02	1e-15	8e-04
4:	5.9999e+00	5.9999e+00	3e-04	1e-04	6e-16	8e-06
5:	6.0000e+00	6.0000e+00	3e-06	1e-06	7e-16	8e-08
6:	6.0000e+00	6.0000e+00	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1715e+00	4.1721e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9473e+00	5.9473e+00	4e-01	1e-01	9e-16	1e-02
3:	5.9995e+00	5.9995e+00	4e-03	1e-03	4e-16	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8487e+00	3.8484e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8947e+00	5.8946e+00	9e-01	3e-01	2e-15	2e-02
3:	5.9988e+00	5.9988e+00	1e-02	3e-03	1e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0582e+00	4.0610e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9406e+00	5.9408e+00	4e-01	1e-01	2e-15	1e-02
3:	5.9994e+00	5.9994e+00	4e-03	1e-03	5e-16	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3124e+00	4.3144e+00	6e+00	2e+00	2e-15	1e-01
2:	5.9583e+00	5.9584e+00	2e-01	8e-02	2e-15	6e-03
3:	5.9996e+00	5.9996e+00	2e-03	8e-04	2e-15	6e-05
4:	6.0000e+00	6.0000e+00	2e-05	8e-06	2e-15	6e-07
5:	6.0000e+00	6.0000e+00	2e-07	8e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1100e+00	4.1114e+00	7e+00	2e+00	2e-16	2e-01
2:	5.9390e+00	5.9391e+00	4e-01	1e-01	2e-15	1e-02
3:	5.9994e+00	5.9994e+00	4e-03	1e-03	7e-16	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1525e+00	4.1547e+00	6e+00	2e+00	3e-16	2e-01



2:	5.8490e+00	5.8493e+00	9e-01	3e-01	6e-16	2e-02
3:	5.9980e+00	5.9980e+00	1e-02	3e-03	2e-15	3e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6960e+00	3.6992e+00	6e+00	2e+00	3e-16	2e-01
2:	5.5773e+00	5.5787e+00	2e+00	7e-01	1e-15	5e-02
3:	5.9579e+00	5.9582e+00	2e-01	5e-02	1e-15	4e-03
4:	5.9996e+00	5.9996e+00	2e-03	5e-04	5e-16	4e-05
5:	6.0000e+00	6.0000e+00	2e-05	5e-06	4e-16	4e-07
6:	6.0000e+00	6.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	2.7688e+00	2.7777e+00	7e+00	2e+00	2e-16	2e-01
2:	5.2129e+00	5.2154e+00	1e+00	4e-01	9e-16	3e-02
3:	5.8236e+00	5.8241e+00	3e-01	8e-02	8e-16	6e-03
4:	5.9418e+00	5.9420e+00	8e-02	2e-02	3e-15	2e-03
5:	5.9744e+00	5.9745e+00	1e-02	5e-03	5e-15	3e-04
6:	5.9819e+00	5.9819e+00	6e-04	2e-04	1e-14	1e-05
7:	5.9822e+00	5.9822e+00	6e-06	2e-06	4e-15	1e-07
8:	5.9823e+00	5.9823e+00	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7795e+00	3.7848e+00	7e+00	2e+00	3e-16	2e-01
2:	5.7473e+00	5.7487e+00	1e+00	4e-01	2e-15	3e-02
3:	5.9905e+00	5.9905e+00	4e-02	1e-02	2e-15	9e-04
4:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-16	9e-06
5:	6.0000e+00	6.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	6.0000e+00	6.0000e+00	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5331e+00	4.5350e+00	5e+00	2e+00	2e-16	1e-01
2:	5.9488e+00	5.9489e+00	3e-01	8e-02	3e-15	6e-03
3:	5.9995e+00	5.9995e+00	3e-03	8e-04	7e-16	6e-05
4:	6.0000e+00	6.0000e+00	3e-05	8e-06	1e-15	6e-07
5:	6.0000e+00	6.0000e+00	3e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5173e+00	4.5185e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9498e+00	5.9499e+00	3e-01	8e-02	2e-15	6e-03
3:	5.9995e+00	5.9995e+00	3e-03	8e-04	8e-16	6e-05
4:	6.0000e+00	6.0000e+00	3e-05	8e-06	4e-16	6e-07

5: 6.0000e+00 6.0000e+00 3e-07 8e-08 5e-16 6e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1809e+00	4.1834e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8917e+00	5.8920e+00	6e-01	2e-01	1e-15	2e-02
3:	5.9989e+00	5.9989e+00	7e-03	2e-03	6e-16	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1931e+00	4.1951e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9228e+00	5.9230e+00	5e-01	2e-01	3e-15	1e-02
3:	5.9992e+00	5.9992e+00	5e-03	2e-03	8e-16	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8846e+00	3.8864e+00	7e+00	2e+00	3e-16	2e-01
2:	5.8588e+00	5.8592e+00	1e+00	3e-01	3e-15	2e-02
3:	5.9984e+00	5.9984e+00	1e-02	3e-03	1e-15	2e-04
4:	6.0000e+00	6.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	1e-06	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4201e+00	4.4206e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9725e+00	5.9725e+00	2e-01	6e-02	1e-15	5e-03
3:	5.9997e+00	5.9997e+00	2e-03	6e-04	8e-16	5e-05
4:	6.0000e+00	6.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	6.0000e+00	6.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3939e+00	4.3966e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9318e+00	5.9320e+00	4e-01	1e-01	2e-15	8e-03
3:	5.9993e+00	5.9993e+00	4e-03	1e-03	7e-16	8e-05
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	7e-16	8e-07
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.5157e+00	3.5218e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5807e+00	5.5829e+00	2e+00	7e-01	2e-15	5e-02
3:	5.9864e+00	5.9865e+00	6e-02	2e-02	2e-15	1e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	3e-16	2e-05

5:	6.0000e+00	6.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4186e+00	4.4216e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7933e+00	6.7940e+00	1e+00	4e-01	4e-15	3e-02
3:	6.9974e+00	6.9974e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	7.0000e+00	7.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7348e+00	4.7378e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7183e+00	6.7191e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9961e+00	6.9961e+00	2e-02	5e-03	8e-16	4e-04
4:	7.0000e+00	7.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	7.0000e+00	7.0000e+00	2e-06	5e-07	7e-16	4e-08
6:	7.0000e+00	7.0000e+00	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9227e+00	4.9260e+00	6e+00	2e+00	4e-16	2e-01
2:	6.8355e+00	6.8360e+00	8e-01	2e-01	2e-15	2e-02
3:	6.9982e+00	6.9982e+00	8e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	3e-05	8e-16	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9400e+00	4.9412e+00	7e+00	2e+00	2e-16	2e-01
2:	6.9325e+00	6.9326e+00	4e-01	1e-01	2e-15	9e-03
3:	6.9993e+00	6.9993e+00	4e-03	1e-03	3e-16	9e-05
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	4e-16	9e-07
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.5957e+00	3.6040e+00	7e+00	2e+00	3e-16	2e-01
2:	6.1594e+00	6.1618e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9306e+00	6.9311e+00	3e-01	9e-02	2e-15	6e-03
4:	6.9325e+00	6.9329e+00	1e-01	5e-02	3e-14	4e-03
5:	6.9989e+00	6.9990e+00	3e-03	8e-04	1e-15	6e-05
6:	7.0000e+00	7.0000e+00	3e-05	8e-06	4e-15	6e-07
7:	7.0000e+00	7.0000e+00	3e-07	8e-08	5e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3449e+00	5.3456e+00	5e+00	2e+00	3e-16	1e-01
2:	6.9743e+00	6.9743e+00	1e-01	4e-02	4e-15	3e-03
3:	6.9997e+00	6.9997e+00	1e-03	4e-04	5e-16	3e-05
4:	7.0000e+00	7.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	7.0000e+00	7.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6216e+00	5.6222e+00	4e+00	1e+00	5e-16	1e-01
2:	6.9778e+00	6.9778e+00	8e-02	2e-02	3e-15	2e-03
3:	6.9998e+00	6.9998e+00	8e-04	2e-04	1e-15	2e-05
4:	7.0000e+00	7.0000e+00	8e-06	2e-06	1e-15	2e-07
5:	7.0000e+00	7.0000e+00	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1718e+00	4.1763e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7537e+00	6.7549e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9379e+00	6.9383e+00	2e-01	6e-02	2e-15	5e-03
4:	6.9994e+00	6.9994e+00	2e-03	7e-04	6e-16	5e-05
5:	7.0000e+00	7.0000e+00	2e-05	7e-06	6e-16	5e-07
6:	7.0000e+00	7.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7519e+00	4.7542e+00	7e+00	2e+00	4e-16	2e-01
2:	6.9003e+00	6.9007e+00	6e-01	2e-01	4e-15	1e-02
3:	6.9990e+00	6.9990e+00	6e-03	2e-03	6e-16	1e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0460e+00	4.0488e+00	6e+00	2e+00	2e-16	1e-01
2:	6.5286e+00	6.5298e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9186e+00	6.9189e+00	2e-01	8e-02	2e-15	6e-03
4:	6.9992e+00	6.9992e+00	3e-03	8e-04	5e-16	6e-05
5:	7.0000e+00	7.0000e+00	3e-05	8e-06	4e-16	6e-07
6:	7.0000e+00	7.0000e+00	3e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2398e+00	4.2407e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5848e+00	6.5851e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9899e+00	6.9899e+00	4e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	6e-16	1e-07

6: 7.0000e+00 7.0000e+00 4e-08 1e-08 5e-16 1e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0856e+00	5.0881e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9116e+00	6.9118e+00	4e-01	1e-01	2e-15	1e-02
3:	6.9991e+00	6.9991e+00	4e-03	1e-03	7e-16	1e-04
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7712e+00	3.7778e+00	7e+00	2e+00	4e-16	2e-01
2:	6.6477e+00	6.6497e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9358e+00	6.9364e+00	2e-01	6e-02	3e-15	4e-03
4:	6.9993e+00	6.9994e+00	2e-03	6e-04	6e-16	5e-05
5:	7.0000e+00	7.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	7.0000e+00	7.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9537e+00	4.9581e+00	6e+00	2e+00	5e-16	1e-01
2:	6.8477e+00	6.8482e+00	7e-01	2e-01	1e-15	2e-02
3:	6.9982e+00	6.9982e+00	8e-03	2e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8278e+00	4.8278e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8337e+00	6.8337e+00	9e-01	3e-01	2e-15	2e-02
3:	6.9983e+00	6.9983e+00	9e-03	3e-03	9e-16	2e-04
4:	7.0000e+00	7.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	7.0000e+00	7.0000e+00	9e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1514e+00	4.1590e+00	7e+00	2e+00	2e-16	2e-01
2:	6.6058e+00	6.6081e+00	2e+00	6e-01	1e-15	4e-02
3:	6.9879e+00	6.9880e+00	5e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	5e-04	1e-04	5e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	1e-06	5e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2909e+00	5.2915e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9539e+00	6.9539e+00	2e-01	7e-02	3e-15	5e-03

3:	6.9995e+00	6.9995e+00	2e-03	7e-04	4e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	7e-06	6e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0352e+00	5.0381e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8821e+00	6.8824e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9988e+00	6.9988e+00	5e-03	2e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3880e+00	5.3888e+00	5e+00	2e+00	3e-16	1e-01
2:	6.9682e+00	6.9682e+00	1e-01	4e-02	1e-15	3e-03
3:	6.9997e+00	6.9997e+00	1e-03	4e-04	6e-16	3e-05
4:	7.0000e+00	7.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	7.0000e+00	7.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9220e+00	4.9221e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8643e+00	6.8643e+00	6e-01	2e-01	2e-15	2e-02
3:	6.9986e+00	6.9986e+00	7e-03	2e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	9e-16	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8109e+00	4.8150e+00	7e+00	2e+00	2e-16	2e-01
2:	6.8693e+00	6.8698e+00	6e-01	2e-01	2e-15	1e-02
3:	6.9986e+00	6.9986e+00	6e-03	2e-03	9e-16	2e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	6e-16	2e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9048e+00	4.9063e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8992e+00	6.8993e+00	5e-01	2e-01	3e-15	1e-02
3:	6.9990e+00	6.9990e+00	6e-03	2e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	7e-16	1e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8352e+00	4.8358e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6499e+00	6.6501e+00	2e+00	5e-01	2e-15	4e-02

3:	6.9933e+00	6.9933e+00	3e-02	9e-03	1e-15	7e-04
4:	6.9999e+00	6.9999e+00	3e-04	9e-05	5e-16	7e-06
5:	7.0000e+00	7.0000e+00	3e-06	9e-07	3e-16	7e-08
6:	7.0000e+00	7.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2608e+00	4.2610e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4862e+00	6.4863e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9629e+00	6.9630e+00	2e-01	5e-02	2e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	5e-04	3e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	5e-16	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2392e+00	5.2405e+00	6e+00	2e+00	3e-16	1e-01
2:	6.7422e+00	6.7425e+00	1e+00	4e-01	9e-16	3e-02
3:	6.9964e+00	6.9964e+00	1e-02	5e-03	3e-15	4e-04
4:	7.0000e+00	7.0000e+00	1e-04	5e-05	7e-16	4e-06
5:	7.0000e+00	7.0000e+00	1e-06	5e-07	1e-15	4e-08
6:	7.0000e+00	7.0000e+00	1e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4255e+00	4.4279e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6625e+00	6.6633e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9950e+00	6.9950e+00	2e-02	7e-03	1e-15	5e-04
4:	7.0000e+00	7.0000e+00	2e-04	7e-05	8e-16	5e-06
5:	7.0000e+00	7.0000e+00	2e-06	7e-07	6e-16	5e-08
6:	7.0000e+00	7.0000e+00	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4505e+00	4.4488e+00	6e+00	2e+00	3e-16	2e-01
2:	6.8505e+00	6.8501e+00	1e+00	3e-01	3e-15	3e-02
3:	6.9977e+00	6.9977e+00	1e-02	4e-03	1e-15	4e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	4e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	9e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8650e+00	4.8677e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8559e+00	6.8562e+00	6e-01	2e-01	2e-15	2e-02
3:	6.9985e+00	6.9985e+00	7e-03	2e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	7e-16	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5535e+00	4.5538e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7899e+00	6.7900e+00	1e+00	3e-01	2e-15	3e-02
3:	6.9972e+00	6.9972e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	2e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	7.0000e+00	7.0000e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1471e+00	5.1480e+00	6e+00	2e+00	2e-16	2e-01
2:	6.9401e+00	6.9401e+00	3e-01	9e-02	2e-15	7e-03
3:	6.9994e+00	6.9994e+00	3e-03	9e-04	7e-16	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1877e+00	5.1891e+00	6e+00	2e+00	7e-16	1e-01
2:	6.9246e+00	6.9247e+00	4e-01	1e-01	2e-15	9e-03
3:	6.9992e+00	6.9992e+00	4e-03	1e-03	6e-16	9e-05
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	1e-15	9e-07
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1313e+00	5.1337e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8924e+00	6.8926e+00	5e-01	1e-01	1e-15	1e-02
3:	6.9989e+00	6.9989e+00	5e-03	1e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3084e+00	4.3126e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8360e+00	6.8369e+00	1e+00	3e-01	3e-15	2e-02
3:	6.9975e+00	6.9975e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5165e+00	5.5174e+00	5e+00	2e+00	3e-16	1e-01
2:	6.9533e+00	6.9533e+00	2e-01	5e-02	2e-15	4e-03
3:	6.9995e+00	6.9995e+00	2e-03	5e-04	1e-15	4e-05
4:	7.0000e+00	7.0000e+00	2e-05	5e-06	1e-15	4e-07
5:	7.0000e+00	7.0000e+00	2e-07	5e-08	1e-15	4e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1333e+00	5.1355e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8303e+00	6.8306e+00	8e-01	2e-01	3e-15	2e-02
3:	6.9982e+00	6.9982e+00	8e-03	3e-03	9e-16	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3116e+00	4.3158e+00	7e+00	2e+00	4e-16	2e-01
2:	6.5337e+00	6.5353e+00	2e+00	6e-01	1e-15	5e-02
3:	6.9895e+00	6.9896e+00	5e-02	1e-02	2e-15	1e-03
4:	6.9999e+00	6.9999e+00	5e-04	1e-04	4e-16	1e-05
5:	7.0000e+00	7.0000e+00	5e-06	1e-06	7e-16	1e-07
6:	7.0000e+00	7.0000e+00	5e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5754e+00	4.5780e+00	6e+00	2e+00	3e-16	2e-01
2:	6.6585e+00	6.6594e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9925e+00	6.9925e+00	3e-02	9e-03	2e-15	7e-04
4:	6.9999e+00	6.9999e+00	3e-04	9e-05	8e-16	7e-06
5:	7.0000e+00	7.0000e+00	3e-06	9e-07	7e-16	7e-08
6:	7.0000e+00	7.0000e+00	3e-08	9e-09	5e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4717e+00	5.4725e+00	5e+00	2e+00	3e-16	1e-01
2:	6.9500e+00	6.9500e+00	2e-01	6e-02	2e-15	5e-03
3:	6.9995e+00	6.9995e+00	2e-03	6e-04	8e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	6e-06	9e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2372e+00	5.2387e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9512e+00	6.9512e+00	2e-01	6e-02	2e-15	5e-03
3:	6.9995e+00	6.9995e+00	2e-03	6e-04	6e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	6e-06	1e-15	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	6e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3299e+00	5.3303e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9710e+00	6.9711e+00	1e-01	4e-02	2e-15	3e-03
3:	6.9997e+00	6.9997e+00	1e-03	4e-04	5e-16	3e-05

4:	7.0000e+00	7.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	7.0000e+00	7.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6722e+00	4.6752e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8961e+00	6.8965e+00	6e-01	2e-01	1e-15	2e-02
3:	6.9989e+00	6.9989e+00	7e-03	2e-03	9e-16	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4837e+00	4.4868e+00	7e+00	2e+00	5e-16	2e-01
2:	6.4721e+00	6.4735e+00	2e+00	7e-01	8e-16	5e-02
3:	6.9803e+00	6.9804e+00	7e-02	2e-02	1e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	8e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	8e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9557e+00	3.9551e+00	6e+00	2e+00	4e-16	2e-01
2:	6.6395e+00	6.6393e+00	1e+00	4e-01	2e-15	4e-02
3:	6.8983e+00	6.8982e+00	3e-01	1e-01	3e-15	8e-03
4:	6.9989e+00	6.9989e+00	4e-03	1e-03	6e-16	1e-04
5:	7.0000e+00	7.0000e+00	4e-05	1e-05	7e-16	1e-06
6:	7.0000e+00	7.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4072e+00	4.4091e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8028e+00	6.8032e+00	1e+00	3e-01	2e-15	3e-02
3:	6.9976e+00	6.9976e+00	1e-02	4e-03	1e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1243e+00	5.1256e+00	6e+00	2e+00	2e-16	1e-01
2:	6.9464e+00	6.9465e+00	3e-01	8e-02	1e-15	6e-03
3:	6.9995e+00	6.9995e+00	3e-03	8e-04	8e-16	6e-05
4:	7.0000e+00	7.0000e+00	3e-05	8e-06	7e-16	6e-07
5:	7.0000e+00	7.0000e+00	3e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1729e+00	5.1750e+00	6e+00	2e+00	2e-16	1e-01

2:	6.9502e+00	6.9503e+00	2e-01	7e-02	9e-16	5e-03
3:	6.9995e+00	6.9995e+00	2e-03	7e-04	8e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	7e-06	1e-15	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	7e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1383e+00	5.1401e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8888e+00	6.8891e+00	5e-01	2e-01	3e-15	1e-02
3:	6.9988e+00	6.9988e+00	6e-03	2e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	7e-16	1e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.8300e+00	3.8355e+00	7e+00	2e+00	3e-16	2e-01
2:	6.5666e+00	6.5685e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9597e+00	6.9600e+00	1e-01	4e-02	2e-15	3e-03
4:	6.9996e+00	6.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	7.0000e+00	7.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	7.0000e+00	7.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4113e+00	4.4109e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6891e+00	6.6889e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9936e+00	6.9936e+00	3e-02	8e-03	3e-15	7e-04
4:	6.9999e+00	6.9999e+00	3e-04	8e-05	9e-16	7e-06
5:	7.0000e+00	7.0000e+00	3e-06	8e-07	7e-16	7e-08
6:	7.0000e+00	7.0000e+00	3e-08	8e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2935e+00	4.2960e+00	7e+00	2e+00	2e-16	2e-01
2:	6.4816e+00	6.4827e+00	2e+00	7e-01	2e-15	5e-02
3:	6.9619e+00	6.9622e+00	1e-01	5e-02	2e-15	4e-03
4:	6.9996e+00	6.9996e+00	2e-03	5e-04	5e-16	4e-05
5:	7.0000e+00	7.0000e+00	2e-05	5e-06	3e-16	4e-07
6:	7.0000e+00	7.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9333e+00	5.9354e+00	6e+00	2e+00	2e-16	1e-01
2:	7.7985e+00	7.7988e+00	7e-01	2e-01	2e-15	2e-02
3:	7.9974e+00	7.9974e+00	9e-03	3e-03	2e-15	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	2e-15	2e-06
5:	8.0000e+00	8.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8393e+00	5.8410e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9670e+00	7.9671e+00	2e-01	5e-02	3e-15	4e-03
3:	7.9997e+00	7.9997e+00	2e-03	5e-04	9e-16	4e-05
4:	8.0000e+00	8.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	8.0000e+00	8.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3572e+00	5.3579e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6867e+00	7.6869e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9964e+00	7.9964e+00	2e-02	5e-03	1e-15	4e-04
4:	8.0000e+00	8.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	8.0000e+00	8.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	8.0000e+00	8.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2126e+00	6.2135e+00	5e+00	2e+00	3e-16	1e-01
2:	7.9497e+00	7.9497e+00	2e-01	5e-02	2e-15	4e-03
3:	7.9995e+00	7.9995e+00	2e-03	5e-04	1e-15	4e-05
4:	8.0000e+00	8.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	8.0000e+00	8.0000e+00	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2012e+00	4.2063e+00	7e+00	2e+00	6e-16	2e-01
2:	7.6634e+00	7.6646e+00	1e+00	3e-01	3e-15	2e-02
3:	7.9256e+00	7.9261e+00	2e-01	8e-02	5e-15	6e-03
4:	7.9991e+00	7.9991e+00	4e-03	1e-03	2e-15	9e-05
5:	8.0000e+00	8.0000e+00	4e-05	1e-05	2e-15	9e-07
6:	8.0000e+00	8.0000e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4886e+00	5.4918e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8090e+00	7.8095e+00	8e-01	3e-01	4e-15	2e-02
3:	7.9979e+00	7.9979e+00	9e-03	3e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	9e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6591e+00	5.6610e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7836e+00	7.7839e+00	9e-01	3e-01	1e-15	2e-02
3:	7.9977e+00	7.9977e+00	9e-03	3e-03	6e-16	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	9e-16	2e-06

5: 8.0000e+00 8.0000e+00 9e-07 3e-07 9e-16 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6825e+00	5.6855e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8216e+00	7.8221e+00	7e-01	2e-01	1e-15	2e-02
3:	7.9981e+00	7.9981e+00	8e-03	2e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	8e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3711e+00	6.3717e+00	5e+00	1e+00	2e-15	1e-01
2:	7.9774e+00	7.9774e+00	7e-02	2e-02	3e-15	2e-03
3:	7.9998e+00	7.9998e+00	7e-04	2e-04	1e-15	2e-05
4:	8.0000e+00	8.0000e+00	7e-06	2e-06	1e-15	2e-07
5:	8.0000e+00	8.0000e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9959e+00	5.9977e+00	6e+00	2e+00	4e-16	1e-01
2:	7.8800e+00	7.8802e+00	5e-01	1e-01	2e-15	1e-02
3:	7.9988e+00	7.9988e+00	5e-03	2e-03	9e-16	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9806e+00	4.9837e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7344e+00	7.7352e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9943e+00	7.9944e+00	2e-02	7e-03	2e-15	5e-04
4:	7.9999e+00	7.9999e+00	2e-04	7e-05	1e-15	5e-06
5:	8.0000e+00	8.0000e+00	2e-06	7e-07	1e-15	5e-08
6:	8.0000e+00	8.0000e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.1718e+00	4.1772e+00	7e+00	2e+00	4e-16	2e-01
2:	7.6196e+00	7.6211e+00	1e+00	4e-01	1e-15	3e-02
3:	7.8923e+00	7.8929e+00	3e-01	8e-02	4e-15	6e-03
4:	7.9989e+00	7.9989e+00	3e-03	1e-03	6e-16	7e-05
5:	8.0000e+00	8.0000e+00	3e-05	1e-05	7e-16	7e-07
6:	8.0000e+00	8.0000e+00	3e-07	1e-07	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2897e+00	5.2931e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6783e+00	7.6792e+00	1e+00	4e-01	3e-15	3e-02

3:	7.9929e+00	7.9930e+00	2e-02	8e-03	2e-15	6e-04
4:	7.9999e+00	7.9999e+00	2e-04	8e-05	9e-16	6e-06
5:	8.0000e+00	8.0000e+00	2e-06	8e-07	5e-16	6e-08
6:	8.0000e+00	8.0000e+00	2e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2803e+00	4.2820e+00	7e+00	2e+00	6e-16	2e-01
2:	7.3307e+00	7.3312e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9117e+00	7.9118e+00	3e-01	1e-01	1e-15	8e-03
4:	7.9777e+00	7.9778e+00	5e-02	2e-02	1e-14	1e-03
5:	7.9998e+00	7.9998e+00	6e-04	2e-04	9e-16	1e-05
6:	8.0000e+00	8.0000e+00	6e-06	2e-06	1e-15	1e-07
7:	8.0000e+00	8.0000e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9451e+00	3.9468e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6908e+00	6.6913e+00	1e+00	3e-01	6e-16	3e-02
3:	7.1275e+00	7.1276e+00	3e-01	9e-02	8e-16	7e-03
4:	7.2544e+00	7.2544e+00	6e-02	2e-02	1e-15	2e-03
5:	7.2873e+00	7.2873e+00	9e-03	3e-03	1e-15	2e-04
6:	7.2910e+00	7.2910e+00	9e-05	3e-05	8e-16	2e-06
7:	7.2910e+00	7.2910e+00	9e-07	3e-07	7e-16	2e-08
8:	7.2910e+00	7.2910e+00	9e-09	3e-09	4e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9847e+00	5.9862e+00	6e+00	2e+00	4e-16	1e-01
2:	7.8933e+00	7.8934e+00	4e-01	1e-01	3e-15	1e-02
3:	7.9989e+00	7.9989e+00	4e-03	1e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	4e-05	1e-05	9e-16	1e-06
5:	8.0000e+00	8.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9736e+00	4.9758e+00	7e+00	2e+00	3e-16	2e-01
2:	7.4719e+00	7.4728e+00	2e+00	6e-01	2e-15	5e-02
3:	7.9815e+00	7.9816e+00	6e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	6e-16	2e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	3e-16	2e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8680e+00	4.8726e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6499e+00	7.6512e+00	1e+00	4e-01	1e-15	3e-02
3:	7.9133e+00	7.9139e+00	2e-01	8e-02	4e-15	6e-03

4:	7.9991e+00	7.9991e+00	3e-03	9e-04	4e-16	7e-05
5:	8.0000e+00	8.0000e+00	3e-05	9e-06	4e-16	7e-07
6:	8.0000e+00	8.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8602e+00	3.8603e+00	6e+00	2e+00	5e-16	2e-01
2:	6.8573e+00	6.8573e+00	1e+00	5e-01	2e-15	4e-02
3:	7.6200e+00	7.6201e+00	2e-01	7e-02	3e-15	5e-03
4:	7.7110e+00	7.7110e+00	2e-02	7e-03	2e-15	5e-04
5:	7.7233e+00	7.7233e+00	2e-04	7e-05	1e-15	6e-06
6:	7.7234e+00	7.7234e+00	2e-06	7e-07	1e-15	6e-08
7:	7.7234e+00	7.7234e+00	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4147e+00	5.4163e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7387e+00	7.7391e+00	1e+00	3e-01	9e-16	3e-02
3:	7.9971e+00	7.9971e+00	1e-02	4e-03	7e-16	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0984e+00	6.0993e+00	6e+00	2e+00	2e-16	1e-01
2:	7.9561e+00	7.9562e+00	2e-01	5e-02	2e-15	4e-03
3:	7.9996e+00	7.9996e+00	2e-03	5e-04	9e-16	4e-05
4:	8.0000e+00	8.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	8.0000e+00	8.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7404e+00	5.7438e+00	6e+00	2e+00	3e-16	1e-01
2:	7.7951e+00	7.7957e+00	9e-01	3e-01	1e-15	2e-02
3:	7.9973e+00	7.9973e+00	1e-02	3e-03	3e-15	2e-04
4:	8.0000e+00	8.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9678e+00	4.9730e+00	7e+00	2e+00	2e-16	2e-01
2:	7.3762e+00	7.3783e+00	2e+00	7e-01	8e-16	5e-02
3:	7.9684e+00	7.9688e+00	1e-01	4e-02	1e-15	3e-03
4:	7.9997e+00	7.9997e+00	1e-03	4e-04	4e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	6e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7198e+00	4.7243e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5582e+00	7.5597e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9761e+00	7.9762e+00	7e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	7e-04	2e-04	5e-16	2e-05
5:	8.0000e+00	8.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	8.0000e+00	8.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3760e+00	5.3801e+00	6e+00	2e+00	3e-16	1e-01
2:	7.5045e+00	7.5059e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9679e+00	7.9681e+00	1e-01	3e-02	2e-15	3e-03
4:	7.9997e+00	7.9997e+00	1e-03	3e-04	4e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	3e-06	5e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9492e+00	5.9510e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9431e+00	7.9432e+00	2e-01	7e-02	1e-15	5e-03
3:	7.9994e+00	7.9994e+00	2e-03	7e-04	5e-16	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	6e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6167e+00	4.6217e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6070e+00	7.6087e+00	2e+00	5e-01	2e-15	4e-02
3:	7.9788e+00	7.9789e+00	6e-02	2e-02	3e-15	2e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	6e-16	2e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8824e+00	5.8841e+00	6e+00	2e+00	4e-16	1e-01
2:	7.9089e+00	7.9090e+00	3e-01	1e-01	1e-15	8e-03
3:	7.9991e+00	7.9991e+00	3e-03	1e-03	8e-16	8e-05
4:	8.0000e+00	8.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	8.0000e+00	8.0000e+00	3e-07	1e-07	4e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0877e+00	5.0883e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7812e+00	7.7814e+00	1e+00	3e-01	2e-15	3e-02
3:	7.9969e+00	7.9969e+00	1e-02	4e-03	2e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06



5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08
6:	8.0000e+00	8.0000e+00	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9425e+00	5.9446e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9175e+00	7.9176e+00	3e-01	9e-02	1e-15	7e-03
3:	7.9992e+00	7.9992e+00	3e-03	9e-04	9e-16	7e-05
4:	8.0000e+00	8.0000e+00	3e-05	9e-06	8e-16	7e-07
5:	8.0000e+00	8.0000e+00	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3317e+00	5.3346e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5340e+00	7.5351e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9921e+00	7.9921e+00	3e-02	9e-03	1e-15	7e-04
4:	7.9999e+00	7.9999e+00	3e-04	9e-05	6e-16	7e-06
5:	8.0000e+00	8.0000e+00	3e-06	9e-07	4e-16	7e-08
6:	8.0000e+00	8.0000e+00	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4656e+00	5.4698e+00	7e+00	2e+00	3e-16	2e-01
2:	7.7783e+00	7.7791e+00	9e-01	3e-01	3e-15	2e-02
3:	7.9972e+00	7.9972e+00	1e-02	3e-03	2e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	3e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1181e+00	5.1237e+00	7e+00	2e+00	2e-16	2e-01
2:	7.7086e+00	7.7101e+00	1e+00	4e-01	3e-15	3e-02
3:	7.9922e+00	7.9923e+00	3e-02	8e-03	2e-15	6e-04
4:	7.9999e+00	7.9999e+00	3e-04	8e-05	9e-16	6e-06
5:	8.0000e+00	8.0000e+00	3e-06	8e-07	1e-15	6e-08
6:	8.0000e+00	8.0000e+00	3e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3737e+00	4.3783e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6224e+00	7.6236e+00	1e+00	4e-01	3e-15	3e-02
3:	7.8036e+00	7.8045e+00	4e-01	1e-01	1e-14	1e-02
4:	7.9976e+00	7.9977e+00	6e-03	2e-03	6e-16	1e-04
5:	8.0000e+00	8.0000e+00	6e-05	2e-05	5e-16	1e-06
6:	8.0000e+00	8.0000e+00	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	4.0857e+00	4.0921e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3717e+00	7.3734e+00	1e+00	4e-01	1e-15	3e-02
3:	7.8880e+00	7.8886e+00	4e-01	1e-01	2e-15	1e-02
4:	7.9620e+00	7.9624e+00	1e-01	3e-02	7e-15	2e-03
5:	7.9996e+00	7.9996e+00	1e-03	4e-04	5e-16	3e-05
6:	8.0000e+00	8.0000e+00	1e-05	4e-06	1e-15	3e-07
7:	8.0000e+00	8.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9769e+00	3.9808e+00	7e+00	2e+00	3e-16	2e-01
2:	7.0945e+00	7.0957e+00	1e+00	4e-01	3e-15	3e-02
3:	7.7099e+00	7.7102e+00	3e-01	1e-01	1e-15	8e-03
4:	7.8540e+00	7.8541e+00	7e-02	2e-02	2e-15	2e-03
5:	7.8936e+00	7.8936e+00	3e-03	1e-03	5e-15	8e-05
6:	7.8953e+00	7.8953e+00	3e-05	1e-05	3e-15	8e-07
7:	7.8954e+00	7.8954e+00	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0471e+00	5.0454e+00	6e+00	2e+00	3e-16	2e-01
2:	7.5172e+00	7.5163e+00	2e+00	6e-01	3e-15	5e-02
3:	7.9908e+00	7.9908e+00	4e-02	1e-02	1e-15	1e-03
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	7e-16	1e-05
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1156e+00	6.1166e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9572e+00	7.9572e+00	2e-01	5e-02	4e-15	4e-03
3:	7.9996e+00	7.9996e+00	2e-03	5e-04	9e-16	4e-05
4:	8.0000e+00	8.0000e+00	2e-05	5e-06	8e-16	4e-07
5:	8.0000e+00	8.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.1596e+00	5.1651e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4800e+00	7.4820e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9855e+00	7.9856e+00	5e-02	2e-02	2e-15	1e-03
4:	7.9999e+00	7.9999e+00	5e-04	2e-04	6e-16	1e-05
5:	8.0000e+00	8.0000e+00	5e-06	2e-06	6e-16	1e-07
6:	8.0000e+00	8.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8312e+00	4.8348e+00	7e+00	2e+00	6e-16	2e-01
2:	7.4708e+00	7.4722e+00	2e+00	6e-01	2e-15	5e-02

3:	7.9843e+00	7.9844e+00	6e-02	2e-02	2e-15	1e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	4e-16	1e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	8e-16	1e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0542e+00	5.0537e+00	6e+00	2e+00	4e-16	2e-01
2:	7.2899e+00	7.2897e+00	2e+00	7e-01	1e-15	6e-02
3:	7.9802e+00	7.9802e+00	1e-01	3e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	1e-03	3e-04	6e-16	2e-05
5:	8.0000e+00	8.0000e+00	1e-05	3e-06	6e-16	2e-07
6:	8.0000e+00	8.0000e+00	1e-07	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3069e+00	5.3103e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6633e+00	7.6643e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9951e+00	7.9951e+00	2e-02	6e-03	9e-16	4e-04
4:	8.0000e+00	8.0000e+00	2e-04	6e-05	1e-15	4e-06
5:	8.0000e+00	8.0000e+00	2e-06	6e-07	1e-15	4e-08
6:	8.0000e+00	8.0000e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	3.7108e+00	3.7190e+00	8e+00	2e+00	8e-16	2e-01
2:	6.8701e+00	6.8724e+00	1e+00	4e-01	2e-15	3e-02
3:	7.4475e+00	7.4481e+00	3e-01	1e-01	2e-15	8e-03
4:	7.6120e+00	7.6121e+00	5e-02	2e-02	3e-15	1e-03
5:	7.6346e+00	7.6346e+00	9e-03	3e-03	2e-15	2e-04
6:	7.6389e+00	7.6389e+00	2e-03	5e-04	2e-15	4e-05
7:	7.6397e+00	7.6397e+00	2e-05	6e-06	3e-15	4e-07
8:	7.6397e+00	7.6397e+00	2e-07	6e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.2488e+00	5.2540e+00	6e+00	2e+00	4e-16	1e-01
2:	7.6350e+00	7.6365e+00	2e+00	5e-01	1e-15	4e-02
3:	7.9890e+00	7.9891e+00	4e-02	1e-02	2e-15	9e-04
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	7e-16	9e-06
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	1e-15	9e-08
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8343e+00	5.8357e+00	6e+00	2e+00	2e-16	1e-01
2:	7.9581e+00	7.9581e+00	2e-01	6e-02	1e-15	5e-03
3:	7.9996e+00	7.9996e+00	2e-03	6e-04	6e-16	5e-05

4:	8.0000e+00	8.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2584e+00	5.2625e+00	7e+00	2e+00	6e-16	2e-01
2:	7.6730e+00	7.6741e+00	1e+00	5e-01	3e-15	3e-02
3:	7.9924e+00	7.9924e+00	3e-02	8e-03	2e-15	6e-04
4:	7.9999e+00	7.9999e+00	3e-04	8e-05	6e-16	6e-06
5:	8.0000e+00	8.0000e+00	3e-06	8e-07	1e-15	6e-08
6:	8.0000e+00	8.0000e+00	3e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6708e+00	3.6727e+00	6e+00	2e+00	3e-16	2e-01
2:	7.1353e+00	7.1359e+00	1e+00	3e-01	1e-15	2e-02
3:	7.5954e+00	7.5956e+00	2e-01	6e-02	2e-15	4e-03
4:	7.6821e+00	7.6821e+00	5e-03	2e-03	1e-15	1e-04
5:	7.6846e+00	7.6846e+00	5e-05	2e-05	6e-16	1e-06
6:	7.6847e+00	7.6847e+00	5e-07	2e-07	8e-16	1e-08
7:	7.6847e+00	7.6847e+00	5e-09	2e-09	4e-15	1e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0933e+00	5.0978e+00	7e+00	2e+00	6e-16	2e-01
2:	7.4173e+00	7.4188e+00	2e+00	6e-01	2e-15	5e-02
3:	7.9844e+00	7.9845e+00	6e-02	2e-02	2e-15	2e-03
4:	7.9998e+00	7.9998e+00	6e-04	2e-04	7e-16	2e-05
5:	8.0000e+00	8.0000e+00	6e-06	2e-06	7e-16	2e-07
6:	8.0000e+00	8.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.7971e+00	3.8028e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3800e+00	7.3817e+00	1e+00	4e-01	9e-16	3e-02
3:	7.8880e+00	7.8887e+00	5e-01	2e-01	1e-15	1e-02
4:	7.9762e+00	7.9764e+00	6e-02	2e-02	6e-15	2e-03
5:	7.9998e+00	7.9998e+00	7e-04	2e-04	1e-15	2e-05
6:	8.0000e+00	8.0000e+00	7e-06	2e-06	1e-15	2e-07
7:	8.0000e+00	8.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5148e+00	6.5150e+00	4e+00	1e+00	6e-16	1e-01
2:	7.9840e+00	7.9840e+00	5e-02	2e-02	3e-15	1e-03
3:	7.9998e+00	7.9998e+00	5e-04	2e-04	1e-15	1e-05
4:	8.0000e+00	8.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	8.0000e+00	8.0000e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.8117e+00	4.8211e+00	7e+00	2e+00	4e-16	2e-01
2:	8.1396e+00	8.1421e+00	1e+00	4e-01	1e-15	3e-02
3:	8.7014e+00	8.7022e+00	3e-01	1e-01	1e-15	7e-03
4:	8.8237e+00	8.8239e+00	8e-02	2e-02	5e-15	2e-03
5:	8.8650e+00	8.8650e+00	1e-03	4e-04	1e-15	3e-05
6:	8.8656e+00	8.8656e+00	1e-05	4e-06	2e-15	3e-07
7:	8.8656e+00	8.8656e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5451e+00	6.5480e+00	6e+00	2e+00	5e-16	1e-01
2:	8.7911e+00	8.7915e+00	7e-01	2e-01	2e-15	2e-02
3:	8.9974e+00	8.9974e+00	8e-03	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4603e+00	6.4626e+00	6e+00	2e+00	3e-16	2e-01
2:	8.9122e+00	8.9124e+00	3e-01	1e-01	4e-15	8e-03
3:	8.9991e+00	8.9991e+00	3e-03	1e-03	8e-16	8e-05
4:	9.0000e+00	9.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	9.0000e+00	9.0000e+00	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9447e+00	5.9512e+00	6e+00	2e+00	3e-16	1e-01
2:	8.5881e+00	8.5899e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9494e+00	8.9497e+00	1e-01	4e-02	4e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	4e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8276e+00	5.8341e+00	7e+00	2e+00	2e-16	1e-01
2:	8.5393e+00	8.5412e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9780e+00	8.9781e+00	6e-02	2e-02	2e-15	2e-03
4:	8.9998e+00	8.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	9.0000e+00	9.0000e+00	6e-06	2e-06	4e-16	2e-07
6:	9.0000e+00	9.0000e+00	6e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1896e+00	7.1900e+00	5e+00	1e+00	4e-16	1e-01

2:	8.9737e+00	8.9737e+00	8e-02	2e-02	2e-15	2e-03
3:	8.9997e+00	8.9997e+00	8e-04	2e-04	1e-15	2e-05
4:	9.0000e+00	9.0000e+00	8e-06	2e-06	8e-16	2e-07
5:	9.0000e+00	9.0000e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8599e+00	6.8613e+00	5e+00	2e+00	3e-16	1e-01
2:	8.8874e+00	8.8875e+00	4e-01	1e-01	2e-15	9e-03
3:	8.9988e+00	8.9988e+00	4e-03	1e-03	1e-15	9e-05
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	1e-15	9e-07
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4066e+00	6.4095e+00	6e+00	2e+00	4e-16	2e-01
2:	8.9052e+00	8.9054e+00	4e-01	1e-01	2e-15	9e-03
3:	8.9990e+00	8.9990e+00	4e-03	1e-03	5e-16	9e-05
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	8e-16	9e-07
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9535e+00	5.9571e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8412e+00	8.8417e+00	7e-01	2e-01	2e-15	2e-02
3:	8.9981e+00	8.9981e+00	8e-03	3e-03	2e-15	2e-04
4:	9.0000e+00	9.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9365e+00	6.9374e+00	5e+00	2e+00	4e-16	1e-01
2:	8.9335e+00	8.9336e+00	2e-01	6e-02	1e-15	5e-03
3:	8.9993e+00	8.9993e+00	2e-03	6e-04	8e-16	5e-05
4:	9.0000e+00	9.0000e+00	2e-05	6e-06	1e-15	5e-07
5:	9.0000e+00	9.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1170e+00	6.1205e+00	6e+00	2e+00	3e-16	1e-01
2:	8.4635e+00	8.4646e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9836e+00	8.9837e+00	5e-02	2e-02	2e-15	1e-03
4:	8.9998e+00	8.9998e+00	5e-04	2e-04	5e-16	1e-05
5:	9.0000e+00	9.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	9.0000e+00	9.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.3710e+00	6.3756e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6695e+00	8.6705e+00	1e+00	3e-01	2e-15	3e-02
3:	8.9942e+00	8.9942e+00	2e-02	5e-03	2e-15	4e-04
4:	8.9999e+00	8.9999e+00	2e-04	5e-05	1e-15	4e-06
5:	9.0000e+00	9.0000e+00	2e-06	5e-07	1e-15	4e-08
6:	9.0000e+00	9.0000e+00	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5849e+00	6.5884e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8339e+00	8.8343e+00	6e-01	2e-01	2e-15	1e-02
3:	8.9980e+00	8.9980e+00	7e-03	2e-03	2e-15	2e-04
4:	9.0000e+00	9.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	9.0000e+00	9.0000e+00	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8772e+00	6.8780e+00	6e+00	2e+00	4e-16	1e-01
2:	8.9427e+00	8.9427e+00	2e-01	6e-02	1e-15	5e-03
3:	8.9994e+00	8.9994e+00	2e-03	6e-04	8e-16	5e-05
4:	9.0000e+00	9.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	9.0000e+00	9.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5351e+00	6.5376e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8753e+00	8.8756e+00	4e-01	1e-01	2e-15	1e-02
3:	8.9987e+00	8.9987e+00	4e-03	1e-03	6e-16	1e-04
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6709e+00	5.6766e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6419e+00	8.6435e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9936e+00	8.9937e+00	2e-02	7e-03	2e-15	5e-04
4:	8.9999e+00	8.9999e+00	2e-04	7e-05	6e-16	5e-06
5:	9.0000e+00	9.0000e+00	2e-06	7e-07	1e-15	5e-08
6:	9.0000e+00	9.0000e+00	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1855e+00	6.1889e+00	6e+00	2e+00	4e-16	1e-01
2:	8.6141e+00	8.6150e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9852e+00	8.9852e+00	4e-02	1e-02	2e-15	1e-03
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	6e-16	1e-05
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	7e-16	1e-07
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2236e+00	6.2281e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8122e+00	8.8128e+00	7e-01	2e-01	2e-15	2e-02
3:	8.9979e+00	8.9979e+00	8e-03	2e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	8e-05	2e-05	2e-15	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1254e+00	6.1289e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7270e+00	8.7277e+00	1e+00	3e-01	2e-15	2e-02
3:	8.9967e+00	8.9967e+00	1e-02	4e-03	8e-16	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9410e+00	5.9450e+00	7e+00	2e+00	3e-16	2e-01
2:	8.8191e+00	8.8197e+00	8e-01	2e-01	3e-15	2e-02
3:	8.9980e+00	8.9980e+00	8e-03	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7664e+00	6.7680e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8944e+00	8.8945e+00	3e-01	1e-01	3e-15	8e-03
3:	8.9989e+00	8.9989e+00	3e-03	1e-03	8e-16	8e-05
4:	9.0000e+00	9.0000e+00	3e-05	1e-05	9e-16	8e-07
5:	9.0000e+00	9.0000e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1190e+00	3.1218e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4260e+00	6.4268e+00	1e+00	4e-01	2e-15	3e-02
3:	7.0055e+00	7.0056e+00	2e-01	5e-02	4e-15	4e-03
4:	7.0677e+00	7.0677e+00	4e-02	1e-02	8e-15	1e-03
5:	7.0876e+00	7.0876e+00	5e-03	2e-03	1e-15	1e-04
6:	7.0902e+00	7.0902e+00	2e-04	8e-05	2e-15	6e-06
7:	7.0903e+00	7.0903e+00	2e-06	8e-07	7e-16	6e-08
8:	7.0903e+00	7.0903e+00	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6559e+00	6.6586e+00	6e+00	2e+00	4e-16	1e-01
2:	8.8771e+00	8.8773e+00	4e-01	1e-01	2e-15	1e-02



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3:  8.9987e+00  8.9987e+00  4e-03  1e-03  8e-16  1e-04
4:  9.0000e+00  9.0000e+00  4e-05  1e-05  1e-15  1e-06
5:  9.0000e+00  9.0000e+00  4e-07  1e-07  9e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  6.2843e+00  6.2881e+00  7e+00  2e+00  5e-16  2e-01
2:  8.8207e+00  8.8212e+00  6e-01  2e-01  3e-15  1e-02
3:  8.9980e+00  8.9980e+00  7e-03  2e-03  9e-16  2e-04
4:  9.0000e+00  9.0000e+00  7e-05  2e-05  9e-16  2e-06
5:  9.0000e+00  9.0000e+00  7e-07  2e-07  1e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  6.0220e+00  6.0267e+00  7e+00  2e+00  3e-16  2e-01
2:  8.8572e+00  8.8578e+00  6e-01  2e-01  2e-15  1e-02
3:  8.9983e+00  8.9983e+00  7e-03  2e-03  9e-16  2e-04
4:  9.0000e+00  9.0000e+00  7e-05  2e-05  1e-15  2e-06
5:  9.0000e+00  9.0000e+00  7e-07  2e-07  1e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  5.9823e+00  5.9864e+00  7e+00  2e+00  5e-16  2e-01
2:  8.6211e+00  8.6222e+00  1e+00  4e-01  3e-15  3e-02
3:  8.9917e+00  8.9917e+00  3e-02  8e-03  2e-15  6e-04
4:  8.9999e+00  8.9999e+00  3e-04  8e-05  1e-15  6e-06
5:  9.0000e+00  9.0000e+00  3e-06  8e-07  1e-15  6e-08
6:  9.0000e+00  9.0000e+00  3e-08  8e-09  1e-15  6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  5.1052e+00  5.1153e+00  7e+00  2e+00  3e-16  2e-01
2:  8.0364e+00  8.0394e+00  1e+00  4e-01  1e-15  3e-02
3:  8.6550e+00  8.6562e+00  5e-01  1e-01  9e-16  1e-02
4:  8.8386e+00  8.8389e+00  1e-01  3e-02  2e-15  2e-03
5:  8.8923e+00  8.8924e+00  6e-03  2e-03  1e-15  1e-04
6:  8.8953e+00  8.8953e+00  6e-05  2e-05  1e-15  1e-06
7:  8.8953e+00  8.8953e+00  6e-07  2e-07  1e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  6.6302e+00  6.6337e+00  6e+00  2e+00  4e-16  1e-01
2:  8.8890e+00  8.8893e+00  4e-01  1e-01  2e-15  9e-03
3:  8.9988e+00  8.9989e+00  4e-03  1e-03  2e-15  9e-05
4:  9.0000e+00  9.0000e+00  4e-05  1e-05  1e-15  9e-07
5:  9.0000e+00  9.0000e+00  4e-07  1e-07  2e-15  9e-09
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t

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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5969e+00	5.5997e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4290e+00	8.4301e+00	2e+00	6e-01	1e-15	4e-02
3:	8.9512e+00	8.9514e+00	1e-01	4e-02	2e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	4e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2447e+00	6.2460e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6985e+00	8.6988e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9942e+00	8.9942e+00	2e-02	6e-03	1e-15	5e-04
4:	8.9999e+00	8.9999e+00	2e-04	6e-05	6e-16	5e-06
5:	9.0000e+00	9.0000e+00	2e-06	6e-07	1e-15	5e-08
6:	9.0000e+00	9.0000e+00	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5578e+00	6.5611e+00	6e+00	2e+00	4e-16	1e-01
2:	8.8483e+00	8.8487e+00	5e-01	2e-01	2e-15	1e-02
3:	8.9984e+00	8.9984e+00	5e-03	2e-03	8e-16	1e-04
4:	9.0000e+00	9.0000e+00	5e-05	2e-05	2e-15	1e-06
5:	9.0000e+00	9.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8179e+00	5.8223e+00	7e+00	2e+00	4e-16	2e-01
2:	8.3187e+00	8.3205e+00	2e+00	7e-01	1e-15	5e-02
3:	8.9581e+00	8.9584e+00	1e-01	5e-02	1e-15	4e-03
4:	8.9996e+00	8.9996e+00	1e-03	5e-04	4e-16	4e-05
5:	9.0000e+00	9.0000e+00	1e-05	5e-06	4e-16	4e-07
6:	9.0000e+00	9.0000e+00	1e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7433e+00	5.7451e+00	7e+00	2e+00	5e-16	2e-01
2:	8.1119e+00	8.1130e+00	3e+00	8e-01	1e-15	6e-02
3:	8.9500e+00	8.9503e+00	2e-01	6e-02	1e-15	5e-03
4:	8.9995e+00	8.9995e+00	2e-03	6e-04	6e-16	5e-05
5:	9.0000e+00	9.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	9.0000e+00	9.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4365e+00	6.4396e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8327e+00	8.8330e+00	6e-01	2e-01	2e-15	1e-02
3:	8.9982e+00	8.9982e+00	6e-03	2e-03	7e-16	1e-04

4:	9.0000e+00	9.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9462e+00	6.9475e+00	5e+00	2e+00	7e-16	1e-01
2:	8.9563e+00	8.9563e+00	1e-01	4e-02	2e-15	3e-03
3:	8.9996e+00	8.9996e+00	1e-03	4e-04	8e-16	3e-05
4:	9.0000e+00	9.0000e+00	1e-05	4e-06	8e-16	3e-07
5:	9.0000e+00	9.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3134e+00	6.3177e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7683e+00	8.7689e+00	8e-01	2e-01	2e-15	2e-02
3:	8.9974e+00	8.9974e+00	8e-03	3e-03	2e-15	2e-04
4:	9.0000e+00	9.0000e+00	8e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8220e+00	5.8293e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6177e+00	8.6194e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9902e+00	8.9903e+00	3e-02	9e-03	3e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	9e-05	9e-16	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	9e-07	8e-16	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	9e-09	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6657e+00	6.6681e+00	6e+00	2e+00	5e-16	1e-01
2:	8.9130e+00	8.9131e+00	3e-01	9e-02	2e-15	7e-03
3:	8.9991e+00	8.9991e+00	3e-03	9e-04	8e-16	7e-05
4:	9.0000e+00	9.0000e+00	3e-05	9e-06	9e-16	7e-07
5:	9.0000e+00	9.0000e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5003e+00	5.5029e+00	7e+00	2e+00	4e-16	2e-01
2:	8.3914e+00	8.3924e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9758e+00	8.9759e+00	9e-02	3e-02	2e-15	2e-03
4:	8.9998e+00	8.9998e+00	9e-04	3e-04	6e-16	2e-05
5:	9.0000e+00	9.0000e+00	9e-06	3e-06	9e-16	2e-07
6:	9.0000e+00	9.0000e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5947e+00	5.6010e+00	7e+00	2e+00	4e-16	2e-01

2:	8.4081e+00	8.4102e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9602e+00	8.9605e+00	1e-01	4e-02	3e-15	3e-03
4:	8.9996e+00	8.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	4e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9678e+00	5.9689e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4662e+00	8.4667e+00	2e+00	6e-01	1e-15	4e-02
3:	8.9873e+00	8.9873e+00	4e-02	1e-02	1e-15	1e-03
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	5e-16	1e-05
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	6e-16	1e-07
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7500e+00	6.7514e+00	6e+00	2e+00	4e-16	1e-01
2:	8.9064e+00	8.9065e+00	3e-01	1e-01	3e-15	8e-03
3:	8.9991e+00	8.9991e+00	3e-03	1e-03	1e-15	8e-05
4:	9.0000e+00	9.0000e+00	3e-05	1e-05	9e-16	8e-07
5:	9.0000e+00	9.0000e+00	3e-07	1e-07	1e-15	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2665e+00	5.2708e+00	7e+00	2e+00	4e-16	2e-01
2:	8.3937e+00	8.3950e+00	2e+00	5e-01	1e-15	4e-02
3:	8.9302e+00	8.9306e+00	2e-01	8e-02	2e-15	6e-03
4:	8.9992e+00	8.9992e+00	3e-03	9e-04	8e-16	7e-05
5:	9.0000e+00	9.0000e+00	3e-05	9e-06	8e-16	7e-07
6:	9.0000e+00	9.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4369e+00	6.4413e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8110e+00	8.8115e+00	6e-01	2e-01	4e-15	1e-02
3:	8.9980e+00	8.9980e+00	6e-03	2e-03	2e-15	1e-04
4:	9.0000e+00	9.0000e+00	6e-05	2e-05	2e-15	1e-06
5:	9.0000e+00	9.0000e+00	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9473e+00	5.9506e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7112e+00	8.7120e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9965e+00	8.9965e+00	1e-02	4e-03	1e-15	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9861e+00	5.9894e+00	7e+00	2e+00	4e-16	2e-01
2:	8.6687e+00	8.6696e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9961e+00	8.9961e+00	1e-02	4e-03	9e-16	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5108e+00	6.5125e+00	6e+00	2e+00	3e-16	2e-01
2:	8.8885e+00	8.8887e+00	4e-01	1e-01	1e-15	1e-02
3:	8.9989e+00	8.9989e+00	4e-03	1e-03	7e-16	1e-04
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3395e+00	5.3412e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5907e+00	8.5912e+00	1e+00	4e-01	1e-15	3e-02
3:	8.8677e+00	8.8681e+00	3e-01	1e-01	3e-15	9e-03
4:	8.9985e+00	8.9985e+00	4e-03	1e-03	5e-16	1e-04
5:	9.0000e+00	9.0000e+00	4e-05	1e-05	8e-16	1e-06
6:	9.0000e+00	9.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2915e+00	6.2954e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7296e+00	8.7303e+00	9e-01	3e-01	3e-15	2e-02
3:	8.9968e+00	8.9968e+00	1e-02	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8309e+00	5.8366e+00	7e+00	2e+00	5e-16	2e-01
2:	8.7561e+00	8.7575e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9874e+00	8.9875e+00	4e-02	1e-02	3e-15	8e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	7e-16	8e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	7e-16	8e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3882e+00	6.3925e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3790e+00	9.3803e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9126e+00	9.9130e+00	3e-01	1e-01	2e-15	8e-03
4:	9.9979e+00	9.9979e+00	6e-03	2e-03	3e-15	2e-04

5:	1.0000e+01	1.0000e+01	6e-05	2e-05	1e-15	2e-06
6:	1.0000e+01	1.0000e+01	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5885e+00	7.5896e+00	6e+00	2e+00	5e-16	1e-01
2:	9.8898e+00	9.8899e+00	3e-01	1e-01	1e-15	8e-03
3:	9.9989e+00	9.9989e+00	3e-03	1e-03	1e-15	8e-05
4:	1.0000e+01	1.0000e+01	3e-05	1e-05	9e-16	8e-07
5:	1.0000e+01	1.0000e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	3.9280e+00	3.9330e+00	7e+00	2e+00	2e-16	2e-01
2:	7.6551e+00	7.6564e+00	1e+00	4e-01	2e-15	3e-02
3:	8.2454e+00	8.2457e+00	2e-01	7e-02	3e-15	5e-03
4:	8.3381e+00	8.3382e+00	3e-02	1e-02	2e-15	7e-04
5:	8.3552e+00	8.3552e+00	6e-04	2e-04	7e-16	1e-05
6:	8.3554e+00	8.3554e+00	6e-06	2e-06	9e-16	1e-07
7:	8.3554e+00	8.3554e+00	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8831e+00	5.8869e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3897e+00	9.3910e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9708e+00	9.9710e+00	9e-02	3e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	9e-04	3e-04	5e-16	2e-05
5:	1.0000e+01	1.0000e+01	9e-06	3e-06	6e-16	2e-07
6:	1.0000e+01	1.0000e+01	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2382e+00	6.2455e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5979e+00	9.6000e+00	1e+00	5e-01	2e-15	3e-02
3:	9.9843e+00	9.9843e+00	5e-02	1e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	1e-04	8e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	1e-06	1e-15	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7814e+00	5.7866e+00	7e+00	2e+00	5e-16	2e-01
2:	9.4604e+00	9.4617e+00	1e+00	3e-01	2e-15	3e-02
3:	9.9231e+00	9.9235e+00	3e-01	9e-02	2e-15	7e-03
4:	9.9928e+00	9.9929e+00	2e-02	5e-03	7e-15	4e-04
5:	9.9999e+00	9.9999e+00	2e-04	5e-05	1e-15	4e-06
6:	1.0000e+01	1.0000e+01	2e-06	5e-07	1e-15	4e-08
7:	1.0000e+01	1.0000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2199e+00	6.2248e+00	6e+00	2e+00	4e-16	1e-01
2:	8.5590e+00	8.5608e+00	1e+00	4e-01	8e-16	3e-02
3:	9.3006e+00	9.3009e+00	1e-01	5e-02	1e-15	3e-03
4:	9.3688e+00	9.3688e+00	7e-03	2e-03	1e-15	2e-04
5:	9.3721e+00	9.3721e+00	7e-05	2e-05	9e-16	2e-06
6:	9.3722e+00	9.3722e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4587e+00	6.4642e+00	7e+00	2e+00	4e-16	2e-01
2:	9.3075e+00	9.3094e+00	2e+00	6e-01	1e-15	4e-02
3:	9.9664e+00	9.9666e+00	1e-01	3e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	1e-03	3e-04	7e-16	2e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	6e-16	2e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4997e+00	6.5047e+00	7e+00	2e+00	4e-16	2e-01
2:	9.1114e+00	9.1129e+00	1e+00	5e-01	1e-15	3e-02
3:	9.9079e+00	9.9083e+00	2e-01	7e-02	3e-15	6e-03
4:	9.9797e+00	9.9798e+00	6e-02	2e-02	1e-14	1e-03
5:	9.9996e+00	9.9996e+00	1e-03	4e-04	9e-15	3e-05
6:	1.0000e+01	1.0000e+01	1e-05	4e-06	5e-15	3e-07
7:	1.0000e+01	1.0000e+01	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1944e+00	6.1995e+00	6e+00	2e+00	4e-16	1e-01
2:	9.5936e+00	9.5951e+00	1e+00	4e-01	2e-15	3e-02
3:	9.8651e+00	9.8659e+00	3e-01	1e-01	4e-15	8e-03
4:	9.9985e+00	9.9985e+00	4e-03	1e-03	5e-16	1e-04
5:	1.0000e+01	1.0000e+01	4e-05	1e-05	5e-16	1e-06
6:	1.0000e+01	1.0000e+01	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7173e+00	4.7179e+00	6e+00	2e+00	4e-16	2e-01
2:	8.5384e+00	8.5385e+00	8e-01	3e-01	2e-15	2e-02
3:	8.8366e+00	8.8366e+00	2e-01	6e-02	1e-15	5e-03
4:	8.9450e+00	8.9451e+00	1e-02	4e-03	1e-15	3e-04
5:	8.9510e+00	8.9510e+00	4e-04	1e-04	3e-15	9e-06
6:	8.9511e+00	8.9511e+00	4e-06	1e-06	5e-15	9e-08
7:	8.9511e+00	8.9511e+00	4e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8458e+00	6.8491e+00	6e+00	2e+00	4e-16	1e-01
2:	9.5042e+00	9.5052e+00	1e+00	5e-01	1e-15	4e-02
3:	9.9811e+00	9.9812e+00	5e-02	2e-02	2e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	2e-04	7e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	2e-06	8e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9402e+00	6.9430e+00	6e+00	2e+00	5e-16	2e-01
2:	9.5063e+00	9.5071e+00	1e+00	5e-01	2e-15	3e-02
3:	9.9763e+00	9.9763e+00	6e-02	2e-02	3e-15	1e-03
4:	9.9998e+00	9.9998e+00	6e-04	2e-04	8e-16	1e-05
5:	1.0000e+01	1.0000e+01	6e-06	2e-06	7e-16	1e-07
6:	1.0000e+01	1.0000e+01	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0591e+00	7.0614e+00	6e+00	2e+00	7e-16	1e-01
2:	9.5939e+00	9.5945e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9928e+00	9.9928e+00	2e-02	6e-03	2e-15	5e-04
4:	9.9999e+00	9.9999e+00	2e-04	6e-05	8e-16	5e-06
5:	1.0000e+01	1.0000e+01	2e-06	6e-07	9e-16	5e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0456e+00	7.0482e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8191e+00	9.8195e+00	6e-01	2e-01	3e-15	2e-02
3:	9.9981e+00	9.9981e+00	7e-03	2e-03	7e-16	2e-04
4:	1.0000e+01	1.0000e+01	7e-05	2e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3529e+00	5.3571e+00	7e+00	2e+00	2e-16	2e-01
2:	9.0328e+00	9.0342e+00	1e+00	5e-01	2e-15	4e-02
3:	9.7805e+00	9.7809e+00	3e-01	1e-01	2e-15	8e-03
4:	9.9236e+00	9.9236e+00	4e-02	1e-02	4e-15	1e-03
5:	9.9396e+00	9.9396e+00	8e-03	2e-03	1e-14	2e-04
6:	9.9438e+00	9.9438e+00	2e-04	6e-05	1e-15	5e-06
7:	9.9439e+00	9.9439e+00	2e-06	6e-07	5e-15	5e-08
8:	9.9439e+00	9.9439e+00	2e-08	6e-09	5e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0458e+00	6.0478e+00	7e+00	2e+00	4e-16	2e-01



2:	9.3807e+00	9.3814e+00	1e+00	5e-01	2e-15	4e-02
3:	9.8956e+00	9.8959e+00	4e-01	1e-01	2e-15	9e-03
4:	9.9979e+00	9.9979e+00	6e-03	2e-03	2e-15	2e-04
5:	1.0000e+01	1.0000e+01	6e-05	2e-05	1e-15	2e-06
6:	1.0000e+01	1.0000e+01	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9633e+00	6.9682e+00	6e+00	2e+00	3e-16	1e-01
2:	9.7932e+00	9.7939e+00	7e-01	2e-01	2e-15	2e-02
3:	9.9974e+00	9.9974e+00	8e-03	3e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	8e-05	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9613e+00	5.9714e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0718e+00	9.0749e+00	1e+00	4e-01	2e-15	3e-02
3:	9.6176e+00	9.6183e+00	3e-01	8e-02	1e-15	6e-03
4:	9.7540e+00	9.7541e+00	3e-02	1e-02	1e-15	8e-04
5:	9.7687e+00	9.7687e+00	8e-04	3e-04	2e-15	2e-05
6:	9.7691e+00	9.7691e+00	8e-06	3e-06	9e-16	2e-07
7:	9.7691e+00	9.7691e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9651e+00	5.9695e+00	7e+00	2e+00	2e-16	2e-01
2:	9.2642e+00	9.2659e+00	2e+00	6e-01	2e-15	5e-02
3:	9.9486e+00	9.9489e+00	2e-01	5e-02	2e-15	4e-03
4:	9.9995e+00	9.9995e+00	2e-03	5e-04	6e-16	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	5e-06	6e-16	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.6064e+00	6.6114e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5829e+00	9.5842e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9812e+00	9.9812e+00	5e-02	1e-02	4e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	1e-04	7e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5268e+00	6.5290e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6900e+00	9.6905e+00	1e+00	4e-01	3e-15	3e-02
3:	9.9922e+00	9.9923e+00	2e-02	7e-03	3e-15	5e-04
4:	9.9999e+00	9.9999e+00	2e-04	7e-05	1e-15	5e-06

5: 1.0000e+01 1.0000e+01 2e-06 7e-07 1e-15 5e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1557e+00	6.1571e+00	7e+00	2e+00	3e-16	2e-01
2:	9.2735e+00	9.2741e+00	2e+00	6e-01	2e-15	5e-02
3:	9.9253e+00	9.9255e+00	2e-01	8e-02	2e-15	6e-03
4:	9.9992e+00	9.9992e+00	3e-03	8e-04	8e-16	7e-05
5:	1.0000e+01	1.0000e+01	3e-05	8e-06	1e-15	7e-07
6:	1.0000e+01	1.0000e+01	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6453e+00	7.6465e+00	5e+00	2e+00	3e-16	1e-01
2:	9.9436e+00	9.9437e+00	2e-01	5e-02	3e-15	4e-03
3:	9.9994e+00	9.9994e+00	2e-03	5e-04	6e-16	4e-05
4:	1.0000e+01	1.0000e+01	2e-05	5e-06	7e-16	4e-07
5:	1.0000e+01	1.0000e+01	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1366e+00	6.1396e+00	7e+00	2e+00	5e-16	2e-01
2:	9.2857e+00	9.2866e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9592e+00	9.9594e+00	2e-01	5e-02	2e-15	4e-03
4:	9.9995e+00	9.9995e+00	2e-03	6e-04	2e-15	4e-05
5:	1.0000e+01	1.0000e+01	2e-05	6e-06	2e-15	4e-07
6:	1.0000e+01	1.0000e+01	2e-07	6e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1039e+00	5.1064e+00	7e+00	2e+00	4e-16	2e-01
2:	8.5603e+00	8.5611e+00	2e+00	5e-01	3e-15	4e-02
3:	9.4876e+00	9.4877e+00	2e-01	6e-02	2e-15	4e-03
4:	9.5856e+00	9.5856e+00	1e-02	4e-03	2e-15	3e-04
5:	9.5921e+00	9.5921e+00	1e-04	4e-05	9e-16	3e-06
6:	9.5922e+00	9.5922e+00	1e-06	4e-07	8e-16	3e-08
7:	9.5922e+00	9.5922e+00	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6213e+00	7.6226e+00	5e+00	2e+00	4e-16	1e-01
2:	9.8973e+00	9.8974e+00	3e-01	9e-02	2e-15	7e-03
3:	9.9990e+00	9.9990e+00	3e-03	9e-04	9e-16	7e-05
4:	1.0000e+01	1.0000e+01	3e-05	9e-06	7e-16	7e-07
5:	1.0000e+01	1.0000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.8703e+00	6.8735e+00	6e+00	2e+00	5e-16	1e-01
2:	9.7763e+00	9.7770e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9814e+00	9.9814e+00	5e-02	1e-02	3e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	1e-04	6e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7517e+00	7.7530e+00	5e+00	2e+00	4e-16	1e-01
2:	9.9373e+00	9.9374e+00	2e-01	5e-02	3e-15	4e-03
3:	9.9994e+00	9.9994e+00	2e-03	5e-04	1e-15	4e-05
4:	1.0000e+01	1.0000e+01	2e-05	5e-06	1e-15	4e-07
5:	1.0000e+01	1.0000e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3305e+00	6.3361e+00	7e+00	2e+00	4e-16	2e-01
2:	9.4912e+00	9.4932e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9673e+00	9.9675e+00	9e-02	3e-02	2e-15	2e-03
4:	9.9997e+00	9.9997e+00	9e-04	3e-04	9e-16	2e-05
5:	1.0000e+01	1.0000e+01	9e-06	3e-06	6e-16	2e-07
6:	1.0000e+01	1.0000e+01	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8385e+00	6.8433e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7080e+00	9.7089e+00	1e+00	3e-01	2e-15	2e-02
3:	9.9948e+00	9.9949e+00	1e-02	5e-03	2e-15	3e-04
4:	9.9999e+00	9.9999e+00	1e-04	5e-05	1e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	5e-07	1e-15	3e-08
6:	1.0000e+01	1.0000e+01	1e-08	5e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6477e+00	6.6502e+00	7e+00	2e+00	3e-16	2e-01
2:	9.4384e+00	9.4392e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9483e+00	9.9484e+00	2e-01	6e-02	3e-15	4e-03
4:	9.9993e+00	9.9993e+00	2e-03	7e-04	1e-15	6e-05
5:	1.0000e+01	1.0000e+01	2e-05	7e-06	2e-15	6e-07
6:	1.0000e+01	1.0000e+01	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2120e+00	7.2160e+00	6e+00	2e+00	6e-16	1e-01
2:	9.5334e+00	9.5344e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9927e+00	9.9928e+00	2e-02	6e-03	2e-15	4e-04
4:	9.9999e+00	9.9999e+00	2e-04	6e-05	9e-16	4e-06

5:	1.0000e+01	1.0000e+01	2e-06	6e-07	2e-15	4e-08
6:	1.0000e+01	1.0000e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9604e+00	5.9655e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3774e+00	9.3793e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9322e+00	9.9326e+00	3e-01	9e-02	2e-15	7e-03
4:	9.9984e+00	9.9984e+00	5e-03	2e-03	4e-15	1e-04
5:	1.0000e+01	1.0000e+01	5e-05	2e-05	2e-15	1e-06
6:	1.0000e+01	1.0000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9991e+00	7.9998e+00	4e+00	1e+00	4e-16	1e-01
2:	9.9659e+00	9.9659e+00	8e-02	3e-02	2e-15	2e-03
3:	9.9997e+00	9.9997e+00	8e-04	3e-04	9e-16	2e-05
4:	1.0000e+01	1.0000e+01	8e-06	3e-06	1e-15	2e-07
5:	1.0000e+01	1.0000e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0133e+00	7.0176e+00	6e+00	2e+00	3e-16	1e-01
2:	9.4463e+00	9.4476e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9871e+00	9.9871e+00	3e-02	1e-02	2e-15	8e-04
4:	9.9999e+00	9.9999e+00	3e-04	1e-04	9e-16	8e-06
5:	1.0000e+01	1.0000e+01	3e-06	1e-06	8e-16	8e-08
6:	1.0000e+01	1.0000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2185e+00	6.2251e+00	7e+00	2e+00	4e-16	1e-01
2:	8.4403e+00	8.4432e+00	2e+00	6e-01	1e-15	4e-02
3:	9.1526e+00	9.1535e+00	5e-01	2e-01	9e-16	1e-02
4:	9.3389e+00	9.3390e+00	9e-02	3e-02	1e-15	2e-03
5:	9.3822e+00	9.3822e+00	2e-03	6e-04	1e-15	5e-05
6:	9.3830e+00	9.3830e+00	2e-05	6e-06	1e-15	5e-07
7:	9.3830e+00	9.3830e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1202e+00	7.1230e+00	6e+00	2e+00	3e-16	1e-01
2:	9.5872e+00	9.5881e+00	1e+00	4e-01	3e-15	3e-02
3:	9.9815e+00	9.9816e+00	5e-02	2e-02	1e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	2e-04	9e-16	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	2e-06	8e-16	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6433e+00	5.6513e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3382e+00	9.3407e+00	2e+00	6e-01	2e-15	4e-02
3:	9.8734e+00	9.8745e+00	4e-01	1e-01	2e-15	9e-03
4:	9.9983e+00	9.9983e+00	5e-03	2e-03	1e-15	1e-04
5:	1.0000e+01	1.0000e+01	5e-05	2e-05	1e-15	1e-06
6:	1.0000e+01	1.0000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2636e+00	7.2666e+00	6e+00	2e+00	3e-16	1e-01
2:	9.7363e+00	9.7368e+00	8e-01	2e-01	1e-15	2e-02
3:	9.9970e+00	9.9970e+00	9e-03	3e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	9e-05	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6095e+00	5.6086e+00	6e+00	2e+00	3e-16	2e-01
2:	9.5140e+00	9.5137e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9716e+00	9.9716e+00	1e-01	3e-02	5e-15	3e-03
4:	9.9997e+00	9.9997e+00	1e-03	3e-04	1e-15	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	1e-15	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9981e+00	7.0026e+00	6e+00	2e+00	4e-16	1e-01
2:	9.5930e+00	9.5940e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9930e+00	9.9930e+00	2e-02	6e-03	2e-15	4e-04
4:	9.9999e+00	9.9999e+00	2e-04	6e-05	2e-15	4e-06
5:	1.0000e+01	1.0000e+01	2e-06	6e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4951e+00	6.5022e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5544e+00	9.5562e+00	1e+00	4e-01	4e-15	3e-02
3:	9.9895e+00	9.9896e+00	3e-02	9e-03	2e-15	6e-04
4:	9.9999e+00	9.9999e+00	3e-04	9e-05	9e-16	6e-06
5:	1.0000e+01	1.0000e+01	3e-06	9e-07	7e-16	6e-08
6:	1.0000e+01	1.0000e+01	3e-08	9e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0850e+00	7.0889e+00	6e+00	2e+00	4e-16	1e-01
2:	9.8512e+00	9.8516e+00	5e-01	2e-01	2e-15	1e-02
3:	9.9984e+00	9.9984e+00	5e-03	2e-03	1e-15	1e-04

4:	1.0000e+01	1.0000e+01	5e-05	2e-05	2e-15	1e-06
5:	1.0000e+01	1.0000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4227e+00	7.4250e+00	6e+00	2e+00	3e-16	1e-01
2:	9.7430e+00	9.7434e+00	7e-01	2e-01	1e-15	2e-02
3:	9.9971e+00	9.9971e+00	8e-03	3e-03	2e-15	2e-04
4:	1.0000e+01	1.0000e+01	8e-05	3e-05	2e-15	2e-06
5:	1.0000e+01	1.0000e+01	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0189e+00	7.0225e+00	7e+00	2e+00	4e-16	2e-01
2:	9.7412e+00	9.7417e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9964e+00	9.9964e+00	1e-02	3e-03	9e-16	2e-04
4:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	1e-06	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8804e+00	6.8821e+00	7e+00	2e+00	5e-16	2e-01
2:	9.5691e+00	9.5696e+00	1e+00	4e-01	1e-15	3e-02
3:	9.9922e+00	9.9922e+00	2e-02	7e-03	1e-15	6e-04
4:	9.9999e+00	9.9999e+00	2e-04	7e-05	1e-15	6e-06
5:	1.0000e+01	1.0000e+01	2e-06	7e-07	8e-16	6e-08
6:	1.0000e+01	1.0000e+01	2e-08	7e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3266e+00	6.3312e+00	7e+00	2e+00	3e-16	2e-01
2:	9.7310e+00	9.7320e+00	1e+00	3e-01	1e-15	3e-02
3:	9.9947e+00	9.9947e+00	2e-02	5e-03	2e-15	4e-04
4:	9.9999e+00	9.9999e+00	2e-04	5e-05	1e-15	4e-06
5:	1.0000e+01	1.0000e+01	2e-06	5e-07	9e-16	4e-08
6:	1.0000e+01	1.0000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.9655e+00	5.9760e+00	7e+00	2e+00	2e-16	2e-01
2:	9.6924e+00	9.6947e+00	9e-01	3e-01	2e-15	2e-02
3:	9.9784e+00	9.9787e+00	9e-02	3e-02	3e-15	2e-03
4:	9.9997e+00	9.9997e+00	1e-03	3e-04	2e-15	2e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	2e-15	2e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.8805e+00	7.8814e+00	5e+00	2e+00	3e-16	1e-01
2:	9.9590e+00	9.9590e+00	1e-01	3e-02	2e-15	3e-03
3:	9.9996e+00	9.9996e+00	1e-03	3e-04	1e-15	3e-05
4:	1.0000e+01	1.0000e+01	1e-05	3e-06	1e-15	3e-07
5:	1.0000e+01	1.0000e+01	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.6287e+00	5.6365e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9764e+00	8.9783e+00	1e+00	4e-01	2e-15	3e-02
3:	9.4691e+00	9.4696e+00	2e-01	8e-02	2e-15	6e-03
4:	9.5851e+00	9.5852e+00	5e-02	2e-02	2e-15	1e-03
5:	9.6071e+00	9.6071e+00	6e-03	2e-03	3e-15	1e-04
6:	9.6108e+00	9.6108e+00	1e-04	4e-05	8e-16	3e-06
7:	9.6109e+00	9.6109e+00	1e-06	4e-07	1e-15	3e-08
8:	9.6109e+00	9.6109e+00	1e-08	4e-09	9e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7545e+00	7.7573e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0810e+01	1.0810e+01	6e-01	2e-01	3e-15	1e-02
3:	1.0998e+01	1.0998e+01	6e-03	2e-03	1e-15	1e-04
4:	1.1000e+01	1.1000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.1000e+01	1.1000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.3278e+00	7.3332e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0713e+01	1.0714e+01	9e-01	3e-01	3e-15	2e-02
3:	1.0991e+01	1.0991e+01	2e-02	7e-03	2e-15	5e-04
4:	1.1000e+01	1.1000e+01	2e-04	7e-05	1e-15	5e-06
5:	1.1000e+01	1.1000e+01	2e-06	7e-07	1e-15	5e-08
6:	1.1000e+01	1.1000e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8163e+00	5.8251e+00	8e+00	3e+00	3e-16	2e-01
2:	9.5890e+00	9.5913e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0392e+01	1.0392e+01	1e-01	4e-02	8e-16	3e-03
4:	1.0453e+01	1.0453e+01	1e-03	4e-04	1e-15	3e-05
5:	1.0454e+01	1.0454e+01	1e-05	4e-06	9e-16	3e-07
6:	1.0454e+01	1.0454e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2298e+00	7.2362e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0656e+01	1.0658e+01	1e+00	3e-01	1e-15	2e-02
3:	1.0992e+01	1.0992e+01	2e-02	6e-03	1e-15	5e-04

4:	1.1000e+01	1.1000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.1000e+01	1.1000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.1000e+01	1.1000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1289e+00	7.1353e+00	7e+00	2e+00	7e-16	2e-01
2:	1.0665e+01	1.0666e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0994e+01	1.0994e+01	2e-02	5e-03	2e-15	4e-04
4:	1.1000e+01	1.1000e+01	2e-04	5e-05	2e-15	4e-06
5:	1.1000e+01	1.1000e+01	2e-06	5e-07	2e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2626e+00	6.2695e+00	8e+00	2e+00	3e-16	2e-01
2:	9.9924e+00	9.9943e+00	1e+00	4e-01	1e-15	3e-02
3:	1.0758e+01	1.0758e+01	2e-01	5e-02	1e-15	4e-03
4:	1.0836e+01	1.0836e+01	2e-02	5e-03	4e-15	4e-04
5:	1.0844e+01	1.0844e+01	2e-04	5e-05	8e-16	4e-06
6:	1.0844e+01	1.0844e+01	2e-06	5e-07	1e-15	4e-08
7:	1.0844e+01	1.0844e+01	2e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.8387e+00	5.8450e+00	7e+00	2e+00	3e-16	2e-01
2:	9.0027e+00	9.0053e+00	2e+00	6e-01	2e-15	5e-02
3:	9.6520e+00	9.6530e+00	5e-01	2e-01	2e-15	1e-02
4:	9.9182e+00	9.9185e+00	8e-02	3e-02	6e-16	2e-03
5:	9.9591e+00	9.9591e+00	3e-03	9e-04	9e-16	7e-05
6:	9.9605e+00	9.9605e+00	3e-05	9e-06	5e-16	7e-07
7:	9.9605e+00	9.9605e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6843e+00	5.6939e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6398e+00	9.6420e+00	1e+00	3e-01	9e-16	2e-02
3:	1.0252e+01	1.0252e+01	1e-01	3e-02	1e-15	3e-03
4:	1.0285e+01	1.0285e+01	3e-02	1e-02	8e-15	8e-04
5:	1.0302e+01	1.0302e+01	4e-04	1e-04	8e-16	1e-05
6:	1.0302e+01	1.0302e+01	4e-06	1e-06	1e-15	1e-07
7:	1.0302e+01	1.0302e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3149e+00	8.3169e+00	5e+00	2e+00	4e-16	1e-01
2:	1.0758e+01	1.0758e+01	6e-01	2e-01	2e-15	2e-02
3:	1.0997e+01	1.0997e+01	8e-03	2e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	8e-05	2e-05	1e-15	2e-06



5: 1.1000e+01 1.1000e+01 8e-07 2e-07 1e-15 2e-08  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7289e+00	7.7333e+00	6e+00	2e+00	2e-16	1e-01
2:	1.0526e+01	1.0527e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0989e+01	1.0989e+01	3e-02	8e-03	2e-15	6e-04
4:	1.1000e+01	1.1000e+01	3e-04	8e-05	1e-15	6e-06
5:	1.1000e+01	1.1000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.1000e+01	1.1000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8359e+00	6.8438e+00	7e+00	2e+00	3e-16	1e-01
2:	1.0308e+01	1.0310e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0729e+01	1.0729e+01	3e-01	9e-02	2e-15	6e-03
4:	1.0808e+01	1.0808e+01	7e-02	2e-02	4e-15	2e-03
5:	1.0838e+01	1.0838e+01	2e-02	5e-03	9e-16	4e-04
6:	1.0845e+01	1.0845e+01	2e-04	7e-05	2e-15	5e-06
7:	1.0845e+01	1.0845e+01	2e-06	7e-07	1e-15	5e-08
8:	1.0845e+01	1.0845e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0078e+00	7.0156e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0299e+01	1.0301e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0894e+01	1.0895e+01	3e-01	1e-01	2e-15	7e-03
4:	1.0993e+01	1.0993e+01	1e-02	5e-03	8e-15	4e-04
5:	1.1000e+01	1.1000e+01	1e-04	5e-05	1e-15	4e-06
6:	1.1000e+01	1.1000e+01	1e-06	5e-07	1e-15	4e-08
7:	1.1000e+01	1.1000e+01	1e-08	5e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5328e+00	6.5431e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0592e+01	1.0594e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0967e+01	1.0968e+01	1e-01	4e-02	3e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	4e-04	3e-15	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	2e-15	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9944e+00	7.9962e+00	7e+00	2e+00	6e-16	2e-01
2:	1.0759e+01	1.0760e+01	7e-01	2e-01	1e-15	2e-02
3:	1.0998e+01	1.0998e+01	7e-03	2e-03	1e-15	2e-04
4:	1.1000e+01	1.1000e+01	7e-05	2e-05	9e-16	2e-06
5:	1.1000e+01	1.1000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3817e+00	7.3858e+00	7e+00	2e+00	5e-16	2e-01
2:	1.0569e+01	1.0570e+01	1e+00	4e-01	1e-15	3e-02
3:	1.0974e+01	1.0975e+01	7e-02	2e-02	3e-15	2e-03
4:	1.1000e+01	1.1000e+01	7e-04	2e-04	8e-16	2e-05
5:	1.1000e+01	1.1000e+01	7e-06	2e-06	9e-16	2e-07
6:	1.1000e+01	1.1000e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4730e+00	7.4769e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0679e+01	1.0680e+01	9e-01	3e-01	1e-15	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	8e-16	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	8e-16	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	9e-16	3e-08
6:	1.1000e+01	1.1000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4568e+00	6.4601e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0172e+01	1.0173e+01	1e+00	3e-01	2e-15	3e-02
3:	1.0735e+01	1.0735e+01	2e-01	6e-02	2e-15	4e-03
4:	1.0817e+01	1.0817e+01	3e-02	1e-02	4e-15	8e-04
5:	1.0836e+01	1.0836e+01	2e-03	5e-04	1e-15	4e-05
6:	1.0837e+01	1.0837e+01	2e-05	6e-06	7e-16	4e-07
7:	1.0837e+01	1.0837e+01	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2567e+00	7.2598e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0661e+01	1.0662e+01	1e+00	3e-01	1e-15	3e-02
3:	1.0977e+01	1.0977e+01	5e-02	2e-02	2e-15	1e-03
4:	1.1000e+01	1.1000e+01	5e-04	2e-04	5e-16	1e-05
5:	1.1000e+01	1.1000e+01	5e-06	2e-06	4e-16	1e-07
6:	1.1000e+01	1.1000e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7636e+00	7.7666e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0533e+01	1.0534e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0992e+01	1.0992e+01	2e-02	6e-03	2e-15	5e-04
4:	1.1000e+01	1.1000e+01	2e-04	6e-05	7e-16	5e-06
5:	1.1000e+01	1.1000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.1000e+01	1.1000e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4979e+00	7.5015e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0590e+01	1.0591e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0969e+01	1.0969e+01	8e-02	2e-02	3e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	2e-04	7e-16	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	2e-06	7e-16	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9994e+00	7.0041e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0605e+01	1.0606e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0986e+01	1.0987e+01	3e-02	1e-02	2e-15	8e-04
4:	1.1000e+01	1.1000e+01	3e-04	1e-04	8e-16	8e-06
5:	1.1000e+01	1.1000e+01	3e-06	1e-06	9e-16	8e-08
6:	1.1000e+01	1.1000e+01	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9636e+00	4.9645e+00	6e+00	2e+00	9e-16	2e-01
2:	8.5933e+00	8.5936e+00	1e+00	3e-01	2e-15	2e-02
3:	9.1080e+00	9.1080e+00	5e-02	2e-02	1e-15	1e-03
4:	9.1321e+00	9.1321e+00	7e-04	2e-04	1e-15	2e-05
5:	9.1324e+00	9.1324e+00	7e-06	2e-06	7e-16	2e-07
6:	9.1325e+00	9.1325e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0850e+00	7.0910e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0610e+01	1.0612e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0959e+01	1.0959e+01	1e-01	3e-02	4e-15	2e-03
4:	1.1000e+01	1.1000e+01	1e-03	3e-04	7e-16	2e-05
5:	1.1000e+01	1.1000e+01	1e-05	3e-06	5e-16	2e-07
6:	1.1000e+01	1.1000e+01	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5598e+00	5.5638e+00	7e+00	2e+00	3e-16	2e-01
2:	9.1305e+00	9.1314e+00	9e-01	3e-01	2e-15	2e-02
3:	9.5197e+00	9.5199e+00	1e-01	5e-02	9e-16	3e-03
4:	9.5857e+00	9.5857e+00	2e-02	5e-03	2e-15	4e-04
5:	9.5931e+00	9.5931e+00	4e-03	1e-03	7e-16	9e-05
6:	9.5948e+00	9.5948e+00	8e-05	3e-05	8e-16	2e-06
7:	9.5948e+00	9.5948e+00	8e-07	3e-07	6e-16	2e-08
8:	9.5948e+00	9.5948e+00	8e-09	3e-09	5e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	5.6684e+00	5.6754e+00	7e+00	2e+00	3e-16	2e-01
2:	9.6684e+00	9.6701e+00	1e+00	3e-01	2e-15	2e-02
3:	1.0142e+01	1.0142e+01	1e-01	4e-02	1e-15	3e-03
4:	1.0199e+01	1.0199e+01	5e-03	2e-03	1e-15	1e-04
5:	1.0202e+01	1.0202e+01	5e-05	2e-05	6e-16	1e-06
6:	1.0202e+01	1.0202e+01	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5596e+00	6.5690e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0497e+01	1.0500e+01	1e+00	4e-01	9e-16	3e-02
3:	1.0946e+01	1.0946e+01	1e-01	4e-02	2e-15	3e-03
4:	1.0999e+01	1.0999e+01	1e-03	4e-04	6e-16	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	5e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3746e+00	6.3798e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0547e+01	1.0548e+01	1e+00	3e-01	1e-15	2e-02
3:	1.0895e+01	1.0896e+01	3e-01	1e-01	2e-15	8e-03
4:	1.0994e+01	1.0994e+01	1e-02	5e-03	4e-15	4e-04
5:	1.1000e+01	1.1000e+01	1e-04	5e-05	8e-16	4e-06
6:	1.1000e+01	1.1000e+01	1e-06	5e-07	1e-15	4e-08
7:	1.1000e+01	1.1000e+01	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1011e+00	7.1054e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0064e+01	1.0065e+01	1e+00	3e-01	1e-15	3e-02
3:	1.0660e+01	1.0660e+01	1e-01	4e-02	1e-15	3e-03
4:	1.0736e+01	1.0736e+01	3e-03	1e-03	1e-15	8e-05
5:	1.0738e+01	1.0738e+01	3e-05	1e-05	1e-15	8e-07
6:	1.0738e+01	1.0738e+01	3e-07	1e-07	8e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5628e+00	6.5727e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0620e+01	1.0623e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0927e+01	1.0927e+01	2e-01	5e-02	3e-15	4e-03
4:	1.0999e+01	1.0999e+01	2e-03	6e-04	5e-16	5e-05
5:	1.1000e+01	1.1000e+01	2e-05	6e-06	5e-16	5e-07
6:	1.1000e+01	1.1000e+01	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2363e+00	6.2441e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0176e+01	1.0178e+01	1e+00	4e-01	2e-15	3e-02

3:	1.0823e+01	1.0823e+01	2e-01	5e-02	3e-15	4e-03
4:	1.0885e+01	1.0885e+01	2e-02	6e-03	8e-15	5e-04
5:	1.0895e+01	1.0895e+01	4e-03	1e-03	2e-15	9e-05
6:	1.0896e+01	1.0896e+01	4e-05	1e-05	3e-15	9e-07
7:	1.0896e+01	1.0896e+01	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2332e+00	7.2366e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0531e+01	1.0532e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0991e+01	1.0991e+01	2e-02	8e-03	1e-15	6e-04
4:	1.1000e+01	1.1000e+01	2e-04	8e-05	7e-16	6e-06
5:	1.1000e+01	1.1000e+01	2e-06	8e-07	9e-16	6e-08
6:	1.1000e+01	1.1000e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7488e+00	8.7495e+00	5e+00	1e+00	4e-16	1e-01
2:	1.0959e+01	1.0959e+01	9e-02	3e-02	2e-15	2e-03
3:	1.1000e+01	1.1000e+01	1e-03	3e-04	1e-15	2e-05
4:	1.1000e+01	1.1000e+01	1e-05	3e-06	9e-16	2e-07
5:	1.1000e+01	1.1000e+01	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4911e+00	7.4948e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0287e+01	1.0288e+01	2e+00	6e-01	1e-15	4e-02
3:	1.0979e+01	1.0979e+01	6e-02	2e-02	2e-15	1e-03
4:	1.1000e+01	1.1000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.1000e+01	1.1000e+01	6e-06	2e-06	6e-16	1e-07
6:	1.1000e+01	1.1000e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1093e+00	8.1113e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0684e+01	1.0684e+01	9e-01	3e-01	1e-15	2e-02
3:	1.0993e+01	1.0993e+01	2e-02	6e-03	2e-15	4e-04
4:	1.1000e+01	1.1000e+01	2e-04	6e-05	9e-16	4e-06
5:	1.1000e+01	1.1000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.1000e+01	1.1000e+01	2e-08	6e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1839e+00	8.1852e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0618e+01	1.0618e+01	1e+00	3e-01	1e-15	2e-02
3:	1.0996e+01	1.0996e+01	1e-02	4e-03	2e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4658e+00	7.4713e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0329e+01	1.0331e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0926e+01	1.0926e+01	2e-01	8e-02	2e-15	6e-03
4:	1.0997e+01	1.0997e+01	7e-03	2e-03	6e-15	2e-04
5:	1.1000e+01	1.1000e+01	7e-05	2e-05	2e-15	2e-06
6:	1.1000e+01	1.1000e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8526e+00	7.8554e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0766e+01	1.0767e+01	7e-01	2e-01	4e-15	2e-02
3:	1.0997e+01	1.0997e+01	9e-03	3e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	9e-05	3e-05	2e-15	2e-06
5:	1.1000e+01	1.1000e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0026e+00	7.0078e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0458e+01	1.0459e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0954e+01	1.0954e+01	1e-01	3e-02	2e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	3e-04	4e-16	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	3e-06	5e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0847e+00	7.0890e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0304e+01	1.0306e+01	2e+00	6e-01	1e-15	4e-02
3:	1.0972e+01	1.0972e+01	7e-02	2e-02	2e-15	2e-03
4:	1.1000e+01	1.1000e+01	7e-04	2e-04	7e-16	2e-05
5:	1.1000e+01	1.1000e+01	7e-06	2e-06	8e-16	2e-07
6:	1.1000e+01	1.1000e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9911e+00	6.9957e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0498e+01	1.0499e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0974e+01	1.0974e+01	6e-02	2e-02	3e-15	1e-03
4:	1.1000e+01	1.1000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.1000e+01	1.1000e+01	6e-06	2e-06	6e-16	1e-07
6:	1.1000e+01	1.1000e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6272e+00	7.6300e+00	6e+00	2e+00	4e-16	2e-01

2:	1.0724e+01	1.0724e+01	7e-01	2e-01	3e-15	2e-02
3:	1.0997e+01	1.0997e+01	9e-03	3e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	9e-05	3e-05	2e-15	2e-06
5:	1.1000e+01	1.1000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2536e+00	7.2598e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0485e+01	1.0487e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0968e+01	1.0968e+01	8e-02	3e-02	2e-15	2e-03
4:	1.1000e+01	1.1000e+01	8e-04	3e-04	7e-16	2e-05
5:	1.1000e+01	1.1000e+01	8e-06	3e-06	7e-16	2e-07
6:	1.1000e+01	1.1000e+01	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7232e+00	7.7278e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0694e+01	1.0695e+01	9e-01	3e-01	2e-15	2e-02
3:	1.0994e+01	1.0994e+01	2e-02	5e-03	2e-15	4e-04
4:	1.1000e+01	1.1000e+01	2e-04	5e-05	2e-15	4e-06
5:	1.1000e+01	1.1000e+01	2e-06	5e-07	2e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2996e+00	6.3086e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0071e+01	1.0073e+01	9e-01	3e-01	3e-15	2e-02
3:	1.0489e+01	1.0489e+01	1e-01	4e-02	1e-15	3e-03
4:	1.0556e+01	1.0556e+01	2e-02	5e-03	2e-15	4e-04
5:	1.0560e+01	1.0560e+01	6e-03	2e-03	2e-14	2e-04
6:	1.0564e+01	1.0564e+01	7e-05	2e-05	9e-16	2e-06
7:	1.0564e+01	1.0564e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3760e+00	8.3783e+00	5e+00	2e+00	5e-16	1e-01
2:	1.0799e+01	1.0799e+01	5e-01	2e-01	3e-15	1e-02
3:	1.0998e+01	1.0998e+01	5e-03	2e-03	2e-15	1e-04
4:	1.1000e+01	1.1000e+01	5e-05	2e-05	2e-15	1e-06
5:	1.1000e+01	1.1000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7924e+00	6.7996e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0358e+01	1.0360e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0954e+01	1.0955e+01	1e-01	4e-02	3e-15	3e-03
4:	1.1000e+01	1.1000e+01	1e-03	4e-04	5e-16	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	6e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6268e+00	5.6430e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3679e+00	9.3733e+00	2e+00	5e-01	2e-15	4e-02
3:	9.7534e+00	9.7554e+00	6e-01	2e-01	1e-15	1e-02
4:	1.0026e+01	1.0027e+01	7e-02	2e-02	8e-16	2e-03
5:	1.0049e+01	1.0049e+01	1e-02	4e-03	5e-15	3e-04
6:	1.0055e+01	1.0055e+01	3e-04	1e-04	7e-16	8e-06
7:	1.0055e+01	1.0055e+01	3e-06	1e-06	2e-15	8e-08
8:	1.0055e+01	1.0055e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7986e+00	7.8016e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0703e+01	1.0704e+01	1e+00	3e-01	3e-15	2e-02
3:	1.0983e+01	1.0983e+01	4e-02	1e-02	2e-15	1e-03
4:	1.1000e+01	1.1000e+01	4e-04	1e-04	8e-16	1e-05
5:	1.1000e+01	1.1000e+01	4e-06	1e-06	7e-16	1e-07
6:	1.1000e+01	1.1000e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7463e+00	7.7495e+00	6e+00	2e+00	3e-16	2e-01
2:	1.0696e+01	1.0697e+01	9e-01	3e-01	3e-15	2e-02
3:	1.0986e+01	1.0986e+01	3e-02	1e-02	3e-15	8e-04
4:	1.1000e+01	1.1000e+01	3e-04	1e-04	5e-16	8e-06
5:	1.1000e+01	1.1000e+01	3e-06	1e-06	7e-16	8e-08
6:	1.1000e+01	1.1000e+01	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5900e+00	7.5981e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0921e+01	1.0924e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1854e+01	1.1855e+01	4e-01	1e-01	1e-15	8e-03
4:	1.1988e+01	1.1988e+01	3e-02	8e-03	5e-15	6e-04
5:	1.2000e+01	1.2000e+01	3e-04	8e-05	9e-16	6e-06
6:	1.2000e+01	1.2000e+01	3e-06	8e-07	8e-16	6e-08
7:	1.2000e+01	1.2000e+01	3e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6141e+00	8.6169e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1516e+01	1.1517e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1992e+01	1.1992e+01	2e-02	6e-03	2e-15	4e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	1e-15	4e-06
5:	1.2000e+01	1.2000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	1e-15	4e-10



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6859e+00	7.6903e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1149e+01	1.1150e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1799e+01	1.1799e+01	2e-01	7e-02	1e-15	5e-03
4:	1.1901e+01	1.1901e+01	2e-02	6e-03	3e-15	5e-04
5:	1.1911e+01	1.1911e+01	2e-04	6e-05	2e-15	5e-06
6:	1.1912e+01	1.1912e+01	2e-06	6e-07	2e-15	5e-08
7:	1.1912e+01	1.1912e+01	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3625e+00	8.3671e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1515e+01	1.1516e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1989e+01	1.1989e+01	2e-02	8e-03	2e-15	6e-04
4:	1.2000e+01	1.2000e+01	2e-04	8e-05	8e-16	6e-06
5:	1.2000e+01	1.2000e+01	2e-06	8e-07	9e-16	6e-08
6:	1.2000e+01	1.2000e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4149e+00	8.4190e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1572e+01	1.1573e+01	1e+00	3e-01	2e-15	2e-02
3:	1.1983e+01	1.1983e+01	3e-02	1e-02	2e-15	8e-04
4:	1.2000e+01	1.2000e+01	3e-04	1e-04	1e-15	8e-06
5:	1.2000e+01	1.2000e+01	3e-06	1e-06	2e-15	8e-08
6:	1.2000e+01	1.2000e+01	3e-08	1e-08	2e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1132e+00	8.1180e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1592e+01	1.1593e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1990e+01	1.1990e+01	2e-02	7e-03	2e-15	5e-04
4:	1.2000e+01	1.2000e+01	2e-04	7e-05	1e-15	5e-06
5:	1.2000e+01	1.2000e+01	2e-06	7e-07	1e-15	5e-08
6:	1.2000e+01	1.2000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7134e+00	7.7215e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1648e+01	1.1650e+01	1e+00	3e-01	3e-15	2e-02
3:	1.1956e+01	1.1956e+01	1e-01	3e-02	3e-15	2e-03
4:	1.2000e+01	1.2000e+01	1e-03	3e-04	8e-16	2e-05
5:	1.2000e+01	1.2000e+01	1e-05	3e-06	1e-15	2e-07
6:	1.2000e+01	1.2000e+01	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2214e+00	6.2277e+00	7e+00	2e+00	4e-16	2e-01
2:	9.8615e+00	9.8632e+00	1e+00	4e-01	3e-15	3e-02
3:	1.0521e+01	1.0522e+01	2e-01	6e-02	1e-15	4e-03
4:	1.0624e+01	1.0624e+01	3e-02	1e-02	1e-15	8e-04
5:	1.0639e+01	1.0639e+01	3e-03	8e-04	5e-15	6e-05
6:	1.0641e+01	1.0641e+01	3e-05	8e-06	9e-16	6e-07
7:	1.0641e+01	1.0641e+01	3e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1075e+00	9.1094e+00	6e+00	2e+00	5e-16	1e-01
2:	1.1882e+01	1.1882e+01	3e-01	9e-02	3e-15	7e-03
3:	1.1999e+01	1.1999e+01	3e-03	9e-04	1e-15	7e-05
4:	1.2000e+01	1.2000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.2000e+01	1.2000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.3665e+00	7.3757e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1304e+01	1.1306e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1915e+01	1.1916e+01	3e-01	8e-02	3e-15	6e-03
4:	1.1997e+01	1.1997e+01	7e-03	2e-03	5e-15	2e-04
5:	1.2000e+01	1.2000e+01	7e-05	2e-05	2e-15	2e-06
6:	1.2000e+01	1.2000e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8652e+00	7.8709e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1344e+01	1.1346e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1966e+01	1.1966e+01	8e-02	3e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	8e-04	3e-04	4e-16	2e-05
5:	1.2000e+01	1.2000e+01	8e-06	3e-06	5e-16	2e-07
6:	1.2000e+01	1.2000e+01	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2302e+00	8.2350e+00	7e+00	2e+00	1e-15	2e-01
2:	1.1826e+01	1.1826e+01	5e-01	2e-01	3e-15	1e-02
3:	1.1998e+01	1.1998e+01	6e-03	2e-03	3e-15	1e-04
4:	1.2000e+01	1.2000e+01	6e-05	2e-05	3e-15	1e-06
5:	1.2000e+01	1.2000e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4195e+00	8.4228e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1760e+01	1.1760e+01	6e-01	2e-01	3e-15	1e-02
3:	1.1997e+01	1.1997e+01	7e-03	2e-03	1e-15	2e-04

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4:  1.2000e+01  1.2000e+01  7e-05  2e-05  1e-15  2e-06
5:  1.2000e+01  1.2000e+01  7e-07  2e-07  2e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  7.3000e+00  7.3082e+00  7e+00  2e+00  5e-16  2e-01
2:  1.1296e+01  1.1298e+01  2e+00  5e-01  2e-15  3e-02
3:  1.1968e+01  1.1968e+01  1e-01  3e-02  3e-15  3e-03
4:  1.2000e+01  1.2000e+01  1e-03  3e-04  8e-16  3e-05
5:  1.2000e+01  1.2000e+01  1e-05  3e-06  8e-16  3e-07
6:  1.2000e+01  1.2000e+01  1e-07  3e-08  8e-16  3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  2e+01  1e-16  1e+00
1:  5.8642e+00  5.8730e+00  7e+00  2e+00  3e-16  2e-01
2:  9.1849e+00  9.1872e+00  1e+00  4e-01  3e-15  3e-02
3:  9.6840e+00  9.6844e+00  2e-01  5e-02  1e-15  4e-03
4:  9.7675e+00  9.7675e+00  1e-02  4e-03  7e-16  3e-04
5:  9.7732e+00  9.7732e+00  1e-04  4e-05  6e-16  3e-06
6:  9.7732e+00  9.7732e+00  1e-06  4e-07  9e-16  3e-08
7:  9.7732e+00  9.7732e+00  1e-08  4e-09  8e-16  3e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  7.7294e+00  7.7334e+00  7e+00  2e+00  3e-16  2e-01
2:  1.1584e+01  1.1584e+01  1e+00  4e-01  2e-15  3e-02
3:  1.1990e+01  1.1990e+01  2e-02  7e-03  2e-15  6e-04
4:  1.2000e+01  1.2000e+01  2e-04  7e-05  1e-15  6e-06
5:  1.2000e+01  1.2000e+01  2e-06  7e-07  1e-15  6e-08
6:  1.2000e+01  1.2000e+01  2e-08  7e-09  9e-16  6e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  8.5152e+00  8.5173e+00  6e+00  2e+00  5e-16  2e-01
2:  1.1618e+01  1.1619e+01  9e-01  3e-01  1e-15  2e-02
3:  1.1996e+01  1.1996e+01  1e-02  3e-03  2e-15  2e-04
4:  1.2000e+01  1.2000e+01  1e-04  3e-05  1e-15  2e-06
5:  1.2000e+01  1.2000e+01  1e-06  3e-07  2e-15  2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  7.1505e+00  7.1551e+00  7e+00  2e+00  4e-16  2e-01
2:  1.0744e+01  1.0745e+01  2e+00  5e-01  3e-15  4e-02
3:  1.1520e+01  1.1520e+01  4e-01  1e-01  1e-15  9e-03
4:  1.1746e+01  1.1746e+01  4e-02  1e-02  8e-16  9e-04
5:  1.1762e+01  1.1762e+01  4e-04  1e-04  2e-15  1e-05
6:  1.1762e+01  1.1762e+01  4e-06  1e-06  1e-15  1e-07
7:  1.1762e+01  1.1762e+01  4e-08  1e-08  1e-15  1e-09

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Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0068e+00	7.0123e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1462e+01	1.1463e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1929e+01	1.1930e+01	2e-01	7e-02	3e-15	5e-03
4:	1.1993e+01	1.1993e+01	2e-02	5e-03	6e-15	4e-04
5:	1.2000e+01	1.2000e+01	2e-04	5e-05	1e-15	4e-06
6:	1.2000e+01	1.2000e+01	2e-06	5e-07	1e-15	4e-08
7:	1.2000e+01	1.2000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2693e+00	7.2788e+00	7e+00	2e+00	2e-16	2e-01
2:	1.1149e+01	1.1152e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1803e+01	1.1804e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1985e+01	1.1985e+01	5e-02	1e-02	8e-16	1e-03
5:	1.1997e+01	1.1997e+01	6e-03	2e-03	5e-14	2e-04
6:	1.2000e+01	1.2000e+01	7e-05	2e-05	2e-15	2e-06
7:	1.2000e+01	1.2000e+01	7e-07	2e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4224e+00	8.4245e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1708e+01	1.1708e+01	8e-01	3e-01	2e-15	2e-02
3:	1.1996e+01	1.1996e+01	1e-02	3e-03	1e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	3e-05	2e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9875e+00	7.9922e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1531e+01	1.1532e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1992e+01	1.1992e+01	2e-02	6e-03	2e-15	4e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	1e-15	4e-06
5:	1.2000e+01	1.2000e+01	2e-06	6e-07	9e-16	4e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1580e+00	6.1647e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0691e+01	1.0693e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1228e+01	1.1229e+01	2e-01	7e-02	2e-15	5e-03
4:	1.1343e+01	1.1343e+01	7e-03	2e-03	7e-16	2e-04
5:	1.1346e+01	1.1346e+01	7e-05	2e-05	8e-16	2e-06
6:	1.1346e+01	1.1346e+01	7e-07	2e-07	7e-16	2e-08
7:	1.1346e+01	1.1346e+01	7e-09	2e-09	8e-16	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.1424e+00	6.1521e+00	8e+00	3e+00	2e-16	2e-01
2:	9.6979e+00	9.7005e+00	2e+00	5e-01	1e-15	3e-02
3:	1.0582e+01	1.0582e+01	2e-01	6e-02	1e-15	4e-03
4:	1.0643e+01	1.0643e+01	7e-02	2e-02	9e-15	2e-03
5:	1.0680e+01	1.0680e+01	7e-03	2e-03	1e-15	2e-04
6:	1.0683e+01	1.0683e+01	7e-05	2e-05	2e-15	2e-06
7:	1.0683e+01	1.0683e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0349e+00	8.0385e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1399e+01	1.1400e+01	1e+00	5e-01	2e-15	4e-02
3:	1.1979e+01	1.1979e+01	5e-02	1e-02	3e-15	1e-03
4:	1.2000e+01	1.2000e+01	5e-04	1e-04	7e-16	1e-05
5:	1.2000e+01	1.2000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.2000e+01	1.2000e+01	5e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6042e+00	7.6095e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1018e+01	1.1019e+01	1e+00	4e-01	9e-16	3e-02
3:	1.1553e+01	1.1554e+01	3e-01	8e-02	1e-15	6e-03
4:	1.1682e+01	1.1682e+01	4e-02	1e-02	1e-15	1e-03
5:	1.1706e+01	1.1706e+01	1e-03	3e-04	8e-16	2e-05
6:	1.1706e+01	1.1706e+01	1e-05	3e-06	7e-16	2e-07
7:	1.1706e+01	1.1706e+01	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9134e+00	8.9153e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1845e+01	1.1845e+01	4e-01	1e-01	2e-15	9e-03
3:	1.1998e+01	1.1998e+01	4e-03	1e-03	9e-16	9e-05
4:	1.2000e+01	1.2000e+01	4e-05	1e-05	9e-16	9e-07
5:	1.2000e+01	1.2000e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9211e+00	8.9236e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1754e+01	1.1754e+01	6e-01	2e-01	2e-15	1e-02
3:	1.1997e+01	1.1997e+01	6e-03	2e-03	2e-15	1e-04
4:	1.2000e+01	1.2000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.2000e+01	1.2000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2174e+00	7.2234e+00	7e+00	2e+00	4e-16	2e-01

2:	1.1239e+01	1.1241e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1859e+01	1.1859e+01	4e-01	1e-01	1e-15	9e-03
4:	1.1988e+01	1.1988e+01	3e-02	9e-03	6e-15	7e-04
5:	1.2000e+01	1.2000e+01	3e-04	9e-05	7e-16	7e-06
6:	1.2000e+01	1.2000e+01	3e-06	9e-07	9e-16	7e-08
7:	1.2000e+01	1.2000e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4451e+00	6.4526e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0441e+01	1.0443e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1058e+01	1.1058e+01	1e-01	3e-02	2e-15	2e-03
4:	1.1110e+01	1.1110e+01	2e-02	6e-03	8e-16	5e-04
5:	1.1120e+01	1.1120e+01	2e-04	6e-05	8e-16	5e-06
6:	1.1120e+01	1.1120e+01	2e-06	6e-07	1e-15	5e-08
7:	1.1120e+01	1.1120e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5904e+00	7.5986e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1441e+01	1.1444e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1972e+01	1.1972e+01	1e-01	3e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	1e-03	4e-04	3e-15	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	2e-15	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7241e+00	6.7318e+00	8e+00	2e+00	6e-16	2e-01
2:	1.0027e+01	1.0030e+01	2e+00	6e-01	2e-15	5e-02
3:	1.0758e+01	1.0759e+01	9e-01	3e-01	2e-15	2e-02
4:	1.1022e+01	1.1023e+01	3e-01	9e-02	2e-15	7e-03
5:	1.1152e+01	1.1152e+01	5e-02	2e-02	1e-15	1e-03
6:	1.1177e+01	1.1177e+01	2e-03	5e-04	7e-16	4e-05
7:	1.1178e+01	1.1178e+01	2e-05	5e-06	9e-16	4e-07
8:	1.1178e+01	1.1178e+01	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.7172e+00	6.7270e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1069e+01	1.1071e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1517e+01	1.1519e+01	4e-01	1e-01	1e-15	1e-02
4:	1.1685e+01	1.1685e+01	7e-02	2e-02	1e-15	2e-03
5:	1.1717e+01	1.1717e+01	4e-03	1e-03	8e-16	9e-05
6:	1.1718e+01	1.1718e+01	4e-05	1e-05	6e-16	9e-07
7:	1.1718e+01	1.1718e+01	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0479e+00	7.0536e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1256e+01	1.1258e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1876e+01	1.1877e+01	3e-01	9e-02	1e-15	7e-03
4:	1.1992e+01	1.1992e+01	2e-02	8e-03	1e-14	6e-04
5:	1.2000e+01	1.2000e+01	3e-04	8e-05	8e-15	7e-06
6:	1.2000e+01	1.2000e+01	3e-06	8e-07	7e-15	7e-08
7:	1.2000e+01	1.2000e+01	3e-08	8e-09	7e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2885e+00	7.2964e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1474e+01	1.1476e+01	1e+00	3e-01	1e-15	2e-02
3:	1.1944e+01	1.1944e+01	1e-01	5e-02	1e-15	3e-03
4:	1.1992e+01	1.1992e+01	2e-02	6e-03	2e-14	4e-04
5:	1.2000e+01	1.2000e+01	2e-04	6e-05	3e-15	5e-06
6:	1.2000e+01	1.2000e+01	2e-06	6e-07	3e-15	5e-08
7:	1.2000e+01	1.2000e+01	2e-08	6e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9517e+00	5.9573e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0414e+01	1.0415e+01	7e-01	2e-01	3e-15	2e-02
3:	1.0744e+01	1.0744e+01	1e-01	4e-02	1e-15	3e-03
4:	1.0804e+01	1.0804e+01	2e-03	6e-04	1e-15	5e-05
5:	1.0805e+01	1.0805e+01	2e-05	6e-06	9e-16	5e-07
6:	1.0805e+01	1.0805e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2576e+00	8.2620e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1627e+01	1.1628e+01	9e-01	3e-01	3e-15	2e-02
3:	1.1975e+01	1.1975e+01	6e-02	2e-02	5e-15	1e-03
4:	1.2000e+01	1.2000e+01	6e-04	2e-04	9e-16	1e-05
5:	1.2000e+01	1.2000e+01	6e-06	2e-06	8e-16	1e-07
6:	1.2000e+01	1.2000e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.6286e+00	4.6401e+00	8e+00	2e+00	2e-16	2e-01
2:	8.8610e+00	8.8637e+00	1e+00	4e-01	1e-15	3e-02
3:	9.4274e+00	9.4281e+00	3e-01	9e-02	4e-15	6e-03
4:	9.5413e+00	9.5415e+00	4e-02	1e-02	2e-15	9e-04
5:	9.5621e+00	9.5621e+00	2e-03	6e-04	2e-15	5e-05
6:	9.5630e+00	9.5630e+00	2e-05	6e-06	4e-15	5e-07
7:	9.5630e+00	9.5630e+00	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.9614e+00	6.9729e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1297e+01	1.1300e+01	1e+00	3e-01	3e-15	2e-02
3:	1.1840e+01	1.1840e+01	1e-01	3e-02	2e-15	2e-03
4:	1.1875e+01	1.1875e+01	2e-02	6e-03	9e-15	5e-04
5:	1.1883e+01	1.1883e+01	3e-03	9e-04	1e-14	7e-05
6:	1.1884e+01	1.1884e+01	4e-05	1e-05	1e-14	9e-07
7:	1.1884e+01	1.1884e+01	4e-07	1e-07	1e-14	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0840e+00	8.0902e+00	7e+00	2e+00	5e-16	2e-01
2:	1.1439e+01	1.1440e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1974e+01	1.1974e+01	7e-02	2e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	7e-04	2e-04	1e-15	2e-05
5:	1.2000e+01	1.2000e+01	7e-06	2e-06	8e-16	2e-07
6:	1.2000e+01	1.2000e+01	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0642e+00	7.0646e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0544e+01	1.0545e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1050e+01	1.1050e+01	3e-01	1e-01	2e-15	8e-03
4:	1.1250e+01	1.1250e+01	7e-02	2e-02	1e-15	2e-03
5:	1.1261e+01	1.1261e+01	4e-02	1e-02	2e-15	1e-03
6:	1.1283e+01	1.1283e+01	5e-04	1e-04	9e-16	1e-05
7:	1.1283e+01	1.1283e+01	5e-06	1e-06	1e-15	1e-07
8:	1.1283e+01	1.1283e+01	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9254e+00	7.9284e+00	7e+00	2e+00	5e-16	2e-01
2:	1.1382e+01	1.1383e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1923e+01	1.1923e+01	2e-01	6e-02	3e-15	4e-03
4:	1.1999e+01	1.1999e+01	2e-03	6e-04	7e-16	4e-05
5:	1.2000e+01	1.2000e+01	2e-05	6e-06	1e-15	4e-07
6:	1.2000e+01	1.2000e+01	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9452e+00	8.9476e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1669e+01	1.1670e+01	8e-01	3e-01	3e-15	2e-02
3:	1.1994e+01	1.1994e+01	1e-02	5e-03	2e-15	4e-04
4:	1.2000e+01	1.2000e+01	1e-04	5e-05	1e-15	4e-06
5:	1.2000e+01	1.2000e+01	1e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00



1:	7.6474e+00	7.6540e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0256e+01	1.0259e+01	2e+00	6e-01	2e-15	5e-02
3:	1.1147e+01	1.1148e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1319e+01	1.1319e+01	5e-02	2e-02	1e-15	1e-03
5:	1.1344e+01	1.1344e+01	8e-03	3e-03	7e-15	2e-04
6:	1.1349e+01	1.1349e+01	8e-04	2e-04	1e-15	2e-05
7:	1.1349e+01	1.1349e+01	8e-06	2e-06	3e-15	2e-07
8:	1.1349e+01	1.1349e+01	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6046e+00	8.6070e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1501e+01	1.1502e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1992e+01	1.1992e+01	2e-02	6e-03	1e-15	5e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	9e-16	5e-06
5:	1.2000e+01	1.2000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1464e+00	8.1497e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1233e+01	1.1234e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1976e+01	1.1976e+01	6e-02	2e-02	2e-15	2e-03
4:	1.2000e+01	1.2000e+01	6e-04	2e-04	5e-16	2e-05
5:	1.2000e+01	1.2000e+01	6e-06	2e-06	7e-16	2e-07
6:	1.2000e+01	1.2000e+01	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0898e+00	5.0919e+00	7e+00	2e+00	2e-16	2e-01
2:	8.9567e+00	8.9572e+00	9e-01	3e-01	4e-15	2e-02
3:	9.3443e+00	9.3444e+00	2e-01	6e-02	2e-15	5e-03
4:	9.4048e+00	9.4048e+00	4e-02	1e-02	6e-15	9e-04
5:	9.4233e+00	9.4233e+00	6e-03	2e-03	1e-15	1e-04
6:	9.4259e+00	9.4259e+00	7e-05	2e-05	9e-16	2e-06
7:	9.4260e+00	9.4260e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4270e+00	5.4306e+00	7e+00	2e+00	2e-16	2e-01
2:	8.2536e+00	8.2546e+00	1e+00	3e-01	1e-15	3e-02
3:	8.8321e+00	8.8323e+00	2e-01	6e-02	1e-15	5e-03
4:	8.9262e+00	8.9262e+00	2e-02	5e-03	9e-16	4e-04
5:	8.9345e+00	8.9345e+00	2e-03	5e-04	9e-16	4e-05
6:	8.9354e+00	8.9354e+00	2e-05	7e-06	1e-15	6e-07
7:	8.9354e+00	8.9354e+00	2e-07	7e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6130e+00	7.6189e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1511e+01	1.1512e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1952e+01	1.1953e+01	1e-01	3e-02	2e-15	3e-03
4:	1.2000e+01	1.2000e+01	1e-03	4e-04	6e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	8e-16	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2276e+00	7.2358e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0995e+01	1.0997e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1579e+01	1.1580e+01	2e-01	8e-02	9e-16	6e-03
4:	1.1700e+01	1.1700e+01	2e-02	6e-03	1e-15	4e-04
5:	1.1709e+01	1.1709e+01	2e-04	6e-05	1e-15	4e-06
6:	1.1710e+01	1.1710e+01	2e-06	6e-07	7e-16	4e-08
7:	1.1710e+01	1.1710e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	5.2607e+00	5.2826e+00	8e+00	3e+00	3e-16	2e-01
2:	9.4588e+00	9.4633e+00	1e+00	3e-01	3e-15	2e-02
3:	9.8850e+00	9.8859e+00	2e-01	6e-02	8e-16	4e-03
4:	9.9710e+00	9.9710e+00	7e-03	2e-03	1e-15	2e-04
5:	9.9742e+00	9.9742e+00	7e-05	2e-05	1e-15	2e-06
6:	9.9742e+00	9.9742e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1177e+00	9.1220e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2585e+01	1.2586e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2990e+01	1.2990e+01	2e-02	7e-03	2e-15	5e-04
4:	1.3000e+01	1.3000e+01	2e-04	7e-05	1e-15	5e-06
5:	1.3000e+01	1.3000e+01	2e-06	7e-07	1e-15	5e-08
6:	1.3000e+01	1.3000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0243e+00	8.0297e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2185e+01	1.2186e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2778e+01	1.2778e+01	2e-01	6e-02	2e-15	4e-03
4:	1.2852e+01	1.2852e+01	3e-02	1e-02	1e-14	8e-04
5:	1.2872e+01	1.2872e+01	4e-04	1e-04	2e-15	1e-05
6:	1.2873e+01	1.2873e+01	4e-06	1e-06	2e-15	1e-07
7:	1.2873e+01	1.2873e+01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.8560e+00	8.8608e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2265e+01	1.2266e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2903e+01	1.2904e+01	3e-01	9e-02	2e-15	7e-03
4:	1.2996e+01	1.2996e+01	9e-03	3e-03	7e-15	2e-04
5:	1.3000e+01	1.3000e+01	9e-05	3e-05	2e-15	2e-06
6:	1.3000e+01	1.3000e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8304e+00	7.8347e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1759e+01	1.1761e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2310e+01	1.2310e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2491e+01	1.2491e+01	3e-02	9e-03	1e-15	7e-04
5:	1.2505e+01	1.2505e+01	3e-04	1e-04	1e-15	8e-06
6:	1.2505e+01	1.2505e+01	3e-06	1e-06	1e-15	8e-08
7:	1.2505e+01	1.2505e+01	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3166e+00	8.3242e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2147e+01	1.2149e+01	2e+00	5e-01	3e-15	4e-02
3:	1.2935e+01	1.2935e+01	2e-01	5e-02	3e-15	4e-03
4:	1.2999e+01	1.2999e+01	2e-03	5e-04	2e-15	4e-05
5:	1.3000e+01	1.3000e+01	2e-05	5e-06	2e-15	4e-07
6:	1.3000e+01	1.3000e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3599e+00	9.3637e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2333e+01	1.2334e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2966e+01	1.2966e+01	8e-02	2e-02	2e-15	2e-03
4:	1.3000e+01	1.3000e+01	8e-04	2e-04	7e-16	2e-05
5:	1.3000e+01	1.3000e+01	8e-06	2e-06	7e-16	2e-07
6:	1.3000e+01	1.3000e+01	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7776e+00	7.7871e+00	8e+00	2e+00	2e-16	2e-01
2:	1.2646e+01	1.2648e+01	1e+00	3e-01	1e-15	2e-02
3:	1.2964e+01	1.2965e+01	1e-01	3e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	1e-03	4e-04	2e-15	3e-05
5:	1.3000e+01	1.3000e+01	1e-05	4e-06	2e-15	3e-07
6:	1.3000e+01	1.3000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.7538e+00	9.7569e+00	5e+00	2e+00	2e-16	1e-01
2:	1.2731e+01	1.2732e+01	6e-01	2e-01	4e-15	1e-02

3:	1.2996e+01	1.2996e+01	8e-03	3e-03	2e-15	2e-04
4:	1.3000e+01	1.3000e+01	8e-05	3e-05	1e-15	2e-06
5:	1.3000e+01	1.3000e+01	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8558e+00	7.8623e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1666e+01	1.1668e+01	2e+00	5e-01	2e-15	3e-02
3:	1.2447e+01	1.2448e+01	2e-01	6e-02	2e-15	5e-03
4:	1.2567e+01	1.2567e+01	3e-03	9e-04	1e-15	7e-05
5:	1.2568e+01	1.2568e+01	3e-05	9e-06	9e-16	7e-07
6:	1.2568e+01	1.2568e+01	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.1173e+00	9.1229e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2489e+01	1.2491e+01	1e+00	3e-01	3e-15	3e-02
3:	1.2971e+01	1.2971e+01	7e-02	2e-02	2e-15	2e-03
4:	1.3000e+01	1.3000e+01	7e-04	2e-04	8e-16	2e-05
5:	1.3000e+01	1.3000e+01	7e-06	2e-06	1e-15	2e-07
6:	1.3000e+01	1.3000e+01	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5848e+00	9.5878e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2682e+01	1.2682e+01	7e-01	2e-01	2e-15	2e-02
3:	1.2990e+01	1.2990e+01	2e-02	7e-03	2e-15	5e-04
4:	1.3000e+01	1.3000e+01	2e-04	7e-05	1e-15	5e-06
5:	1.3000e+01	1.3000e+01	2e-06	7e-07	1e-15	5e-08
6:	1.3000e+01	1.3000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3202e+00	9.3244e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2496e+01	1.2497e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2988e+01	1.2988e+01	2e-02	8e-03	2e-15	6e-04
4:	1.3000e+01	1.3000e+01	2e-04	8e-05	9e-16	6e-06
5:	1.3000e+01	1.3000e+01	2e-06	8e-07	1e-15	6e-08
6:	1.3000e+01	1.3000e+01	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8861e+00	9.8880e+00	5e+00	2e+00	8e-16	1e-01
2:	1.2654e+01	1.2654e+01	7e-01	2e-01	3e-15	2e-02
3:	1.2996e+01	1.2996e+01	8e-03	2e-03	3e-15	2e-04
4:	1.3000e+01	1.3000e+01	8e-05	2e-05	1e-15	2e-06
5:	1.3000e+01	1.3000e+01	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4817e+00	8.4882e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2042e+01	1.2044e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2876e+01	1.2877e+01	3e-01	1e-01	2e-15	7e-03
4:	1.2995e+01	1.2995e+01	1e-02	3e-03	6e-15	2e-04
5:	1.3000e+01	1.3000e+01	1e-04	3e-05	2e-15	3e-06
6:	1.3000e+01	1.3000e+01	1e-06	3e-07	2e-15	3e-08
7:	1.3000e+01	1.3000e+01	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4586e+00	4.4621e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1909e+00	8.1918e+00	1e+00	3e-01	2e-15	2e-02
3:	8.6103e+00	8.6105e+00	2e-01	6e-02	1e-15	4e-03
4:	8.6805e+00	8.6805e+00	2e-02	8e-03	2e-15	6e-04
5:	8.6931e+00	8.6931e+00	3e-04	9e-05	1e-15	7e-06
6:	8.6933e+00	8.6933e+00	3e-06	9e-07	9e-16	7e-08
7:	8.6933e+00	8.6933e+00	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6184e+00	7.6208e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0864e+01	1.0865e+01	2e+00	5e-01	3e-15	4e-02
3:	1.1567e+01	1.1568e+01	6e-01	2e-01	2e-15	2e-02
4:	1.1815e+01	1.1815e+01	2e-01	6e-02	4e-15	4e-03
5:	1.1916e+01	1.1916e+01	1e-02	4e-03	9e-16	3e-04
6:	1.1922e+01	1.1922e+01	1e-04	4e-05	1e-15	3e-06
7:	1.1922e+01	1.1922e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1652e+00	9.1694e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2815e+01	1.2816e+01	5e-01	2e-01	2e-15	1e-02
3:	1.2998e+01	1.2998e+01	6e-03	2e-03	2e-15	1e-04
4:	1.3000e+01	1.3000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.3000e+01	1.3000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3284e+00	9.3321e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2484e+01	1.2485e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2966e+01	1.2967e+01	8e-02	2e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	8e-04	2e-04	9e-16	2e-05
5:	1.3000e+01	1.3000e+01	8e-06	2e-06	1e-15	2e-07
6:	1.3000e+01	1.3000e+01	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.2195e+00	4.2262e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1694e+00	8.1713e+00	1e+00	4e-01	2e-15	3e-02
3:	8.7611e+00	8.7618e+00	4e-01	1e-01	7e-16	9e-03
4:	8.8865e+00	8.8868e+00	1e-01	4e-02	2e-15	3e-03
5:	8.9558e+00	8.9558e+00	4e-03	1e-03	7e-16	1e-04
6:	8.9578e+00	8.9578e+00	4e-05	1e-05	1e-15	1e-06
7:	8.9578e+00	8.9578e+00	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2850e+00	8.2916e+00	7e+00	2e+00	3e-16	1e-01
2:	1.2294e+01	1.2296e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2921e+01	1.2921e+01	2e-01	6e-02	1e-15	5e-03
4:	1.2988e+01	1.2988e+01	2e-02	8e-03	2e-14	6e-04
5:	1.3000e+01	1.3000e+01	3e-04	8e-05	1e-15	6e-06
6:	1.3000e+01	1.3000e+01	3e-06	8e-07	1e-15	6e-08
7:	1.3000e+01	1.3000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0262e+00	6.0303e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5743e+00	9.5757e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0322e+01	1.0322e+01	2e-01	8e-02	9e-16	6e-03
4:	1.0448e+01	1.0448e+01	3e-02	1e-02	2e-15	8e-04
5:	1.0468e+01	1.0468e+01	6e-04	2e-04	2e-15	1e-05
6:	1.0469e+01	1.0469e+01	6e-06	2e-06	1e-15	1e-07
7:	1.0469e+01	1.0469e+01	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8329e+00	7.8424e+00	8e+00	2e+00	7e-16	2e-01
2:	1.1991e+01	1.1994e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2869e+01	1.2869e+01	3e-01	1e-01	2e-15	7e-03
4:	1.2987e+01	1.2987e+01	3e-02	9e-03	1e-14	6e-04
5:	1.3000e+01	1.3000e+01	3e-04	9e-05	4e-15	7e-06
6:	1.3000e+01	1.3000e+01	3e-06	9e-07	3e-15	7e-08
7:	1.3000e+01	1.3000e+01	3e-08	9e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3855e+00	9.3892e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2360e+01	1.2361e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2891e+01	1.2891e+01	3e-01	8e-02	1e-15	6e-03
4:	1.2991e+01	1.2991e+01	2e-02	6e-03	7e-15	5e-04
5:	1.3000e+01	1.3000e+01	2e-04	6e-05	7e-16	5e-06
6:	1.3000e+01	1.3000e+01	2e-06	6e-07	8e-16	5e-08
7:	1.3000e+01	1.3000e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.4747e+00	8.4797e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1369e+01	1.1371e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2238e+01	1.2239e+01	4e-01	1e-01	2e-15	8e-03
4:	1.2417e+01	1.2417e+01	8e-02	2e-02	8e-16	2e-03
5:	1.2453e+01	1.2453e+01	7e-03	2e-03	8e-16	2e-04
6:	1.2456e+01	1.2456e+01	7e-05	2e-05	7e-16	2e-06
7:	1.2456e+01	1.2456e+01	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0393e+00	8.0451e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2040e+01	1.2041e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2597e+01	1.2597e+01	1e-01	4e-02	1e-15	3e-03
4:	1.2648e+01	1.2648e+01	3e-02	8e-03	4e-15	6e-04
5:	1.2658e+01	1.2658e+01	4e-03	1e-03	4e-14	9e-05
6:	1.2660e+01	1.2660e+01	4e-05	1e-05	1e-15	9e-07
7:	1.2660e+01	1.2660e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.5715e+00	6.5770e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1178e+01	1.1180e+01	1e+00	3e-01	2e-15	3e-02
3:	1.1787e+01	1.1788e+01	1e-01	4e-02	8e-16	3e-03
4:	1.1856e+01	1.1856e+01	1e-02	4e-03	1e-15	3e-04
5:	1.1861e+01	1.1861e+01	3e-04	1e-04	2e-14	8e-06
6:	1.1862e+01	1.1862e+01	3e-06	1e-06	4e-15	8e-08
7:	1.1862e+01	1.1862e+01	3e-08	1e-08	4e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4557e+00	9.4591e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2732e+01	1.2732e+01	6e-01	2e-01	2e-15	2e-02
3:	1.2996e+01	1.2996e+01	8e-03	3e-03	1e-15	2e-04
4:	1.3000e+01	1.3000e+01	8e-05	3e-05	2e-15	2e-06
5:	1.3000e+01	1.3000e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0370e+00	8.0412e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2527e+01	1.2528e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2960e+01	1.2960e+01	9e-02	3e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	9e-04	3e-04	9e-16	2e-05
5:	1.3000e+01	1.3000e+01	9e-06	3e-06	9e-16	2e-07
6:	1.3000e+01	1.3000e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3658e+00	8.3719e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1784e+01	1.1785e+01	1e+00	5e-01	1e-15	3e-02
3:	1.2677e+01	1.2677e+01	3e-01	8e-02	2e-15	6e-03
4:	1.2784e+01	1.2784e+01	6e-02	2e-02	5e-15	1e-03
5:	1.2819e+01	1.2819e+01	2e-03	5e-04	2e-15	4e-05
6:	1.2819e+01	1.2819e+01	2e-05	5e-06	2e-15	4e-07
7:	1.2819e+01	1.2819e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9301e+00	8.9350e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2528e+01	1.2530e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2971e+01	1.2972e+01	6e-02	2e-02	4e-15	2e-03
4:	1.3000e+01	1.3000e+01	6e-04	2e-04	4e-16	2e-05
5:	1.3000e+01	1.3000e+01	6e-06	2e-06	7e-16	2e-07
6:	1.3000e+01	1.3000e+01	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1783e+00	7.1862e+00	7e+00	2e+00	3e-16	1e-01
2:	1.0507e+01	1.0509e+01	9e-01	3e-01	2e-15	2e-02
3:	1.0899e+01	1.0899e+01	2e-01	6e-02	1e-15	5e-03
4:	1.0958e+01	1.0958e+01	6e-02	2e-02	2e-15	1e-03
5:	1.0983e+01	1.0983e+01	5e-03	1e-03	1e-14	1e-04
6:	1.0984e+01	1.0984e+01	5e-04	2e-04	3e-14	1e-05
7:	1.0984e+01	1.0984e+01	1e-05	3e-06	3e-15	2e-07
8:	1.0984e+01	1.0984e+01	1e-07	3e-08	1e-14	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3287e+00	8.3371e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2010e+01	1.2013e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2917e+01	1.2917e+01	2e-01	7e-02	2e-15	5e-03
4:	1.2996e+01	1.2996e+01	8e-03	2e-03	1e-14	2e-04
5:	1.3000e+01	1.3000e+01	8e-05	2e-05	4e-15	2e-06
6:	1.3000e+01	1.3000e+01	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5930e+00	8.5976e+00	7e+00	2e+00	6e-16	2e-01
2:	1.2436e+01	1.2437e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2958e+01	1.2958e+01	1e-01	3e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	1e-03	3e-04	2e-15	3e-05
5:	1.3000e+01	1.3000e+01	1e-05	3e-06	2e-15	3e-07
6:	1.3000e+01	1.3000e+01	1e-07	3e-08	2e-15	3e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.0481e+00	8.0539e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2095e+01	1.2097e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2739e+01	1.2739e+01	3e-01	1e-01	1e-15	8e-03
4:	1.2822e+01	1.2822e+01	1e-01	4e-02	5e-15	3e-03
5:	1.2889e+01	1.2889e+01	1e-02	4e-03	2e-15	3e-04
6:	1.2895e+01	1.2895e+01	2e-04	5e-05	2e-15	4e-06
7:	1.2896e+01	1.2896e+01	2e-06	5e-07	3e-15	4e-08
8:	1.2896e+01	1.2896e+01	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7958e+00	5.7962e+00	6e+00	2e+00	3e-16	2e-01
2:	9.7847e+00	9.7849e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0422e+01	1.0422e+01	4e-01	1e-01	3e-15	1e-02
4:	1.0614e+01	1.0614e+01	7e-02	2e-02	2e-15	2e-03
5:	1.0659e+01	1.0659e+01	5e-03	1e-03	1e-15	1e-04
6:	1.0661e+01	1.0661e+01	5e-05	1e-05	7e-16	1e-06
7:	1.0661e+01	1.0661e+01	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.1743e+00	7.1794e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1242e+01	1.1243e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1985e+01	1.1985e+01	1e-01	3e-02	1e-15	3e-03
4:	1.2046e+01	1.2046e+01	2e-03	5e-04	9e-16	4e-05
5:	1.2047e+01	1.2047e+01	2e-05	5e-06	8e-16	4e-07
6:	1.2047e+01	1.2047e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9506e+00	7.9548e+00	6e+00	2e+00	7e-16	1e-01
2:	1.2039e+01	1.2040e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2496e+01	1.2496e+01	2e-01	6e-02	2e-15	5e-03
4:	1.2582e+01	1.2582e+01	3e-02	1e-02	3e-15	7e-04
5:	1.2600e+01	1.2600e+01	3e-04	1e-04	2e-15	8e-06
6:	1.2600e+01	1.2600e+01	3e-06	1e-06	1e-15	8e-08
7:	1.2600e+01	1.2600e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8449e+00	8.8505e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2507e+01	1.2509e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2956e+01	1.2956e+01	1e-01	4e-02	3e-15	3e-03
4:	1.2999e+01	1.2999e+01	2e-03	5e-04	4e-15	4e-05
5:	1.3000e+01	1.3000e+01	2e-05	5e-06	2e-15	4e-07
6:	1.3000e+01	1.3000e+01	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0238e+01	1.0239e+01	5e+00	2e+00	5e-16	1e-01
2:	1.2730e+01	1.2730e+01	5e-01	2e-01	3e-15	1e-02
3:	1.2993e+01	1.2993e+01	1e-02	4e-03	5e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7240e+00	7.7287e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1318e+01	1.1319e+01	1e+00	3e-01	3e-15	3e-02
3:	1.1730e+01	1.1730e+01	4e-01	1e-01	8e-16	9e-03
4:	1.1872e+01	1.1872e+01	6e-02	2e-02	2e-15	2e-03
5:	1.1904e+01	1.1904e+01	6e-04	2e-04	5e-16	2e-05
6:	1.1904e+01	1.1904e+01	6e-06	2e-06	6e-16	2e-07
7:	1.1904e+01	1.1904e+01	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1268e+00	8.1342e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1689e+01	1.1692e+01	2e+00	5e-01	1e-15	4e-02
3:	1.2508e+01	1.2508e+01	3e-01	9e-02	2e-15	6e-03
4:	1.2653e+01	1.2653e+01	3e-02	1e-02	9e-16	7e-04
5:	1.2668e+01	1.2668e+01	3e-04	1e-04	9e-16	8e-06
6:	1.2668e+01	1.2668e+01	3e-06	1e-06	9e-16	8e-08
7:	1.2668e+01	1.2668e+01	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2548e+00	8.2607e+00	7e+00	2e+00	5e-16	1e-01
2:	1.2578e+01	1.2580e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2953e+01	1.2954e+01	1e-01	5e-02	2e-15	4e-03
4:	1.2998e+01	1.2998e+01	5e-03	2e-03	7e-15	1e-04
5:	1.3000e+01	1.3000e+01	5e-05	2e-05	3e-15	1e-06
6:	1.3000e+01	1.3000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.5371e+00	7.5423e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0462e+01	1.0463e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1049e+01	1.1050e+01	2e-01	8e-02	7e-16	6e-03
4:	1.1158e+01	1.1158e+01	3e-02	9e-03	1e-15	7e-04
5:	1.1174e+01	1.1174e+01	4e-04	1e-04	6e-16	9e-06
6:	1.1174e+01	1.1174e+01	4e-06	1e-06	8e-16	9e-08
7:	1.1174e+01	1.1174e+01	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8491e+00	8.8530e+00	6e+00	2e+00	6e-16	1e-01
2:	1.2559e+01	1.2561e+01	1e+00	3e-01	1e-15	2e-02
3:	1.2959e+01	1.2959e+01	9e-02	3e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	9e-04	3e-04	1e-15	2e-05
5:	1.3000e+01	1.3000e+01	9e-06	3e-06	9e-16	2e-07
6:	1.3000e+01	1.3000e+01	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.3706e+00	6.3770e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0267e+01	1.0269e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1133e+01	1.1134e+01	2e-01	8e-02	9e-16	6e-03
4:	1.1234e+01	1.1234e+01	7e-02	2e-02	7e-16	2e-03
5:	1.1258e+01	1.1258e+01	1e-02	4e-03	4e-15	3e-04
6:	1.1265e+01	1.1265e+01	2e-04	5e-05	7e-16	4e-06
7:	1.1266e+01	1.1266e+01	2e-06	5e-07	5e-16	4e-08
8:	1.1266e+01	1.1266e+01	2e-08	5e-09	7e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6589e+00	7.6648e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2125e+01	1.2127e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2543e+01	1.2544e+01	4e-01	1e-01	2e-15	1e-02
4:	1.2751e+01	1.2751e+01	2e-02	7e-03	1e-15	5e-04
5:	1.2763e+01	1.2763e+01	2e-04	7e-05	1e-15	6e-06
6:	1.2763e+01	1.2763e+01	2e-06	7e-07	2e-15	6e-08
7:	1.2763e+01	1.2763e+01	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4427e+00	9.4462e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2607e+01	1.2608e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2978e+01	1.2978e+01	4e-02	1e-02	3e-15	1e-03
4:	1.3000e+01	1.3000e+01	4e-04	1e-04	9e-16	1e-05
5:	1.3000e+01	1.3000e+01	4e-06	1e-06	9e-16	1e-07
6:	1.3000e+01	1.3000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4231e+00	9.4256e+00	6e+00	2e+00	7e-16	1e-01
2:	1.2581e+01	1.2581e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2979e+01	1.2979e+01	4e-02	1e-02	2e-15	1e-03
4:	1.3000e+01	1.3000e+01	4e-04	1e-04	8e-16	1e-05
5:	1.3000e+01	1.3000e+01	4e-06	1e-06	8e-16	1e-07
6:	1.3000e+01	1.3000e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7678e+00	8.7718e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2251e+01	1.2252e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2891e+01	1.2891e+01	3e-01	8e-02	9e-16	6e-03
4:	1.2978e+01	1.2978e+01	5e-02	2e-02	1e-14	1e-03
5:	1.3000e+01	1.3000e+01	5e-04	2e-04	6e-16	1e-05
6:	1.3000e+01	1.3000e+01	5e-06	2e-06	9e-16	1e-07
7:	1.3000e+01	1.3000e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0358e+01	1.0361e+01	5e+00	2e+00	7e-16	1e-01
2:	1.2925e+01	1.2927e+01	1e+00	4e-01	3e-15	3e-02
3:	1.3775e+01	1.3775e+01	2e-01	7e-02	2e-15	6e-03
4:	1.3877e+01	1.3877e+01	4e-02	1e-02	1e-14	1e-03
5:	1.3901e+01	1.3901e+01	2e-03	7e-04	2e-15	5e-05
6:	1.3902e+01	1.3902e+01	3e-05	9e-06	4e-15	7e-07
7:	1.3902e+01	1.3902e+01	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2666e+00	7.2758e+00	8e+00	3e+00	4e-16	2e-01
2:	1.2841e+01	1.2843e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3312e+01	1.3313e+01	2e-01	8e-02	2e-15	6e-03
4:	1.3430e+01	1.3430e+01	2e-02	7e-03	3e-15	5e-04
5:	1.3441e+01	1.3441e+01	2e-04	7e-05	1e-15	5e-06
6:	1.3441e+01	1.3441e+01	2e-06	7e-07	7e-16	5e-08
7:	1.3441e+01	1.3441e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9947e+00	9.9976e+00	6e+00	2e+00	4e-16	1e-01
2:	1.3649e+01	1.3650e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3982e+01	1.3982e+01	4e-02	1e-02	2e-15	9e-04
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	9e-16	9e-06
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	6e-16	9e-08
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3340e+00	9.3393e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3496e+01	1.3497e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3981e+01	1.3981e+01	4e-02	1e-02	3e-15	9e-04
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	1e-15	9e-06
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0157e+01	1.0161e+01	6e+00	2e+00	5e-16	1e-01
2:	1.3699e+01	1.3700e+01	7e-01	2e-01	3e-15	2e-02
3:	1.3953e+01	1.3954e+01	9e-02	3e-02	3e-15	2e-03
4:	1.4000e+01	1.4000e+01	9e-04	3e-04	8e-16	2e-05
5:	1.4000e+01	1.4000e+01	9e-06	3e-06	9e-16	2e-07
6:	1.4000e+01	1.4000e+01	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8799e+00	9.8834e+00	6e+00	2e+00	4e-16	1e-01
2:	1.3463e+01	1.3464e+01	1e+00	3e-01	4e-15	3e-02
3:	1.3990e+01	1.3990e+01	2e-02	6e-03	2e-15	5e-04
4:	1.4000e+01	1.4000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.4000e+01	1.4000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.4000e+01	1.4000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0405e+01	1.0408e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3684e+01	1.3684e+01	6e-01	2e-01	2e-15	2e-02
3:	1.3995e+01	1.3995e+01	9e-03	3e-03	1e-15	2e-04
4:	1.4000e+01	1.4000e+01	9e-05	3e-05	1e-15	2e-06
5:	1.4000e+01	1.4000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9184e+00	8.9281e+00	7e+00	2e+00	4e-16	1e-01
2:	1.1874e+01	1.1880e+01	3e+00	8e-01	2e-15	6e-02
3:	1.2884e+01	1.2886e+01	9e-01	3e-01	1e-15	2e-02
4:	1.3254e+01	1.3255e+01	1e-01	4e-02	2e-15	3e-03
5:	1.3335e+01	1.3335e+01	8e-03	2e-03	1e-15	2e-04
6:	1.3339e+01	1.3339e+01	8e-05	2e-05	8e-16	2e-06
7:	1.3339e+01	1.3339e+01	8e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0232e+01	1.0235e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3411e+01	1.3412e+01	1e+00	4e-01	3e-15	3e-02
3:	1.3960e+01	1.3960e+01	9e-02	3e-02	2e-15	2e-03
4:	1.4000e+01	1.4000e+01	9e-04	3e-04	7e-16	2e-05
5:	1.4000e+01	1.4000e+01	9e-06	3e-06	5e-16	2e-07
6:	1.4000e+01	1.4000e+01	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6026e+00	7.6094e+00	8e+00	3e+00	2e-16	2e-01

2:	1.0968e+01	1.0971e+01	2e+00	8e-01	1e-15	5e-02
3:	1.1934e+01	1.1935e+01	5e-01	2e-01	6e-16	1e-02
4:	1.2197e+01	1.2197e+01	6e-02	2e-02	9e-16	1e-03
5:	1.2229e+01	1.2229e+01	1e-03	4e-04	1e-15	3e-05
6:	1.2230e+01	1.2230e+01	1e-05	4e-06	1e-15	3e-07
7:	1.2230e+01	1.2230e+01	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.7521e+00	9.7557e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3576e+01	1.3577e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3968e+01	1.3968e+01	7e-02	2e-02	4e-15	2e-03
4:	1.4000e+01	1.4000e+01	7e-04	2e-04	9e-16	2e-05
5:	1.4000e+01	1.4000e+01	7e-06	2e-06	7e-16	2e-07
6:	1.4000e+01	1.4000e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0603e+01	1.0606e+01	5e+00	2e+00	5e-16	1e-01
2:	1.3606e+01	1.3606e+01	8e-01	2e-01	4e-15	2e-02
3:	1.3975e+01	1.3976e+01	4e-02	1e-02	2e-15	1e-03
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	1e-15	1e-05
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	1e-15	1e-07
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6046e+00	8.6109e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2926e+01	1.2928e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3676e+01	1.3676e+01	2e-01	6e-02	2e-15	4e-03
4:	1.3775e+01	1.3775e+01	6e-03	2e-03	1e-15	1e-04
5:	1.3778e+01	1.3778e+01	6e-05	2e-05	3e-15	1e-06
6:	1.3778e+01	1.3778e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7770e+00	7.7892e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2012e+01	1.2016e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2764e+01	1.2765e+01	5e-01	2e-01	1e-15	1e-02
4:	1.2989e+01	1.2990e+01	7e-02	2e-02	7e-16	2e-03
5:	1.3024e+01	1.3024e+01	9e-03	3e-03	2e-15	2e-04
6:	1.3028e+01	1.3028e+01	1e-04	4e-05	4e-15	3e-06
7:	1.3028e+01	1.3028e+01	1e-06	4e-07	2e-15	3e-08
8:	1.3028e+01	1.3028e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.7938e+00	9.7983e+00	6e+00	2e+00	1e-15	1e-01

2:	1.2963e+01	1.2965e+01	1e+00	5e-01	3e-15	4e-02
3:	1.3782e+01	1.3782e+01	3e-01	9e-02	2e-15	7e-03
4:	1.3970e+01	1.3970e+01	4e-02	1e-02	2e-15	9e-04
5:	1.3990e+01	1.3990e+01	6e-03	2e-03	5e-14	1e-04
6:	1.3992e+01	1.3992e+01	1e-03	3e-04	2e-13	2e-05
7:	1.3992e+01	1.3992e+01	1e-04	3e-05	2e-14	2e-06
8:	1.3992e+01	1.3992e+01	1e-06	3e-07	4e-14	2e-08
9:	1.3992e+01	1.3992e+01	1e-08	3e-09	4e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0256e+01	1.0259e+01	6e+00	2e+00	6e-16	1e-01
2:	1.3444e+01	1.3445e+01	9e-01	3e-01	1e-15	2e-02
3:	1.3958e+01	1.3958e+01	8e-02	3e-02	7e-15	2e-03
4:	1.4000e+01	1.4000e+01	9e-04	3e-04	6e-15	2e-05
5:	1.4000e+01	1.4000e+01	9e-06	3e-06	4e-15	2e-07
6:	1.4000e+01	1.4000e+01	9e-08	3e-08	7e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0286e+01	1.0289e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3711e+01	1.3711e+01	6e-01	2e-01	3e-15	1e-02
3:	1.3996e+01	1.3996e+01	8e-03	2e-03	2e-15	2e-04
4:	1.4000e+01	1.4000e+01	8e-05	2e-05	1e-15	2e-06
5:	1.4000e+01	1.4000e+01	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0822e+01	1.0823e+01	5e+00	2e+00	5e-16	1e-01
2:	1.3832e+01	1.3832e+01	3e-01	1e-01	3e-15	8e-03
3:	1.3998e+01	1.3998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.4000e+01	1.4000e+01	3e-05	1e-05	2e-15	8e-07
5:	1.4000e+01	1.4000e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6665e+00	6.6797e+00	9e+00	3e+00	3e-16	2e-01
2:	1.0665e+01	1.0669e+01	2e+00	5e-01	1e-15	4e-02
3:	1.1628e+01	1.1629e+01	3e-01	1e-01	1e-15	8e-03
4:	1.1782e+01	1.1782e+01	7e-02	2e-02	2e-15	2e-03
5:	1.1825e+01	1.1825e+01	4e-03	1e-03	5e-16	8e-05
6:	1.1827e+01	1.1827e+01	4e-05	1e-05	7e-16	8e-07
7:	1.1827e+01	1.1827e+01	4e-07	1e-07	8e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4704e+00	9.4735e+00	7e+00	2e+00	6e-16	2e-01
2:	1.3637e+01	1.3638e+01	9e-01	3e-01	2e-15	2e-02

3:	1.3988e+01	1.3988e+01	3e-02	8e-03	2e-15	6e-04
4:	1.4000e+01	1.4000e+01	3e-04	8e-05	1e-15	6e-06
5:	1.4000e+01	1.4000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.4000e+01	1.4000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6738e+00	9.6784e+00	6e+00	2e+00	8e-16	1e-01
2:	1.3235e+01	1.3236e+01	1e+00	5e-01	2e-15	3e-02
3:	1.3895e+01	1.3895e+01	2e-01	7e-02	3e-15	6e-03
4:	1.3995e+01	1.3995e+01	9e-03	3e-03	7e-15	2e-04
5:	1.4000e+01	1.4000e+01	9e-05	3e-05	1e-15	2e-06
6:	1.4000e+01	1.4000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8037e+00	9.8061e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3725e+01	1.3725e+01	6e-01	2e-01	2e-15	2e-02
3:	1.3997e+01	1.3997e+01	7e-03	2e-03	1e-15	2e-04
4:	1.4000e+01	1.4000e+01	7e-05	2e-05	1e-15	2e-06
5:	1.4000e+01	1.4000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8243e+00	8.8292e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2507e+01	1.2509e+01	2e+00	5e-01	1e-15	4e-02
3:	1.3393e+01	1.3393e+01	3e-01	1e-01	2e-15	8e-03
4:	1.3524e+01	1.3524e+01	7e-02	2e-02	2e-15	2e-03
5:	1.3555e+01	1.3555e+01	1e-02	4e-03	1e-14	3e-04
6:	1.3561e+01	1.3561e+01	3e-03	9e-04	9e-15	7e-05
7:	1.3562e+01	1.3562e+01	3e-05	1e-05	2e-14	8e-07
8:	1.3562e+01	1.3562e+01	3e-07	1e-07	2e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8572e+00	8.8638e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2567e+01	1.2569e+01	1e+00	4e-01	3e-15	3e-02
3:	1.3291e+01	1.3292e+01	2e-01	5e-02	9e-16	4e-03
4:	1.3377e+01	1.3377e+01	3e-03	9e-04	1e-15	7e-05
5:	1.3379e+01	1.3379e+01	3e-05	9e-06	1e-15	7e-07
6:	1.3379e+01	1.3379e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9197e+00	7.9298e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1426e+01	1.1429e+01	2e+00	5e-01	2e-15	3e-02
3:	1.2331e+01	1.2331e+01	2e-01	6e-02	1e-15	4e-03
4:	1.2439e+01	1.2439e+01	1e-02	3e-03	3e-15	2e-04



5:	1.2446e+01	1.2446e+01	1e-04	3e-05	1e-15	2e-06
6:	1.2446e+01	1.2446e+01	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8314e+00	7.8411e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1535e+01	1.1539e+01	2e+00	6e-01	1e-15	5e-02
3:	1.2559e+01	1.2560e+01	3e-01	1e-01	1e-15	7e-03
4:	1.2749e+01	1.2749e+01	9e-03	3e-03	6e-16	2e-04
5:	1.2754e+01	1.2754e+01	9e-05	3e-05	7e-16	2e-06
6:	1.2754e+01	1.2754e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3027e+00	6.3134e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0130e+01	1.0133e+01	2e+00	5e-01	1e-15	4e-02
3:	1.0769e+01	1.0770e+01	5e-01	2e-01	2e-15	1e-02
4:	1.1026e+01	1.1026e+01	9e-02	3e-02	9e-16	2e-03
5:	1.1054e+01	1.1054e+01	2e-02	5e-03	5e-15	4e-04
6:	1.1062e+01	1.1062e+01	3e-04	1e-04	5e-16	8e-06
7:	1.1062e+01	1.1062e+01	3e-06	1e-06	4e-15	8e-08
8:	1.1062e+01	1.1062e+01	3e-08	1e-08	5e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6067e+00	9.6113e+00	6e+00	2e+00	6e-16	1e-01
2:	1.3663e+01	1.3664e+01	8e-01	3e-01	3e-15	2e-02
3:	1.3963e+01	1.3963e+01	7e-02	2e-02	4e-15	2e-03
4:	1.4000e+01	1.4000e+01	7e-04	2e-04	9e-16	2e-05
5:	1.4000e+01	1.4000e+01	7e-06	2e-06	9e-16	2e-07
6:	1.4000e+01	1.4000e+01	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.1787e+00	8.1868e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1788e+01	1.1790e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2442e+01	1.2443e+01	3e-01	1e-01	2e-15	8e-03
4:	1.2536e+01	1.2536e+01	1e-01	3e-02	9e-15	3e-03
5:	1.2578e+01	1.2578e+01	3e-02	9e-03	2e-15	7e-04
6:	1.2590e+01	1.2590e+01	4e-04	1e-04	2e-15	1e-05
7:	1.2590e+01	1.2590e+01	4e-06	1e-06	1e-15	1e-07
8:	1.2590e+01	1.2590e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.1158e+00	9.1210e+00	6e+00	2e+00	3e-16	1e-01
2:	1.3572e+01	1.3573e+01	1e+00	3e-01	1e-15	2e-02
3:	1.3951e+01	1.3951e+01	2e-01	5e-02	2e-15	4e-03

4:	1.3999e+01	1.3999e+01	3e-03	1e-03	8e-15	8e-05
5:	1.4000e+01	1.4000e+01	3e-05	1e-05	3e-15	8e-07
6:	1.4000e+01	1.4000e+01	3e-07	1e-07	4e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0332e+01	1.0335e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3637e+01	1.3638e+01	8e-01	2e-01	3e-15	2e-02
3:	1.3979e+01	1.3979e+01	4e-02	1e-02	4e-15	9e-04
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	9e-16	9e-06
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	9e-16	9e-08
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.2819e+00	9.2878e+00	6e+00	2e+00	6e-16	1e-01
2:	1.3293e+01	1.3295e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3752e+01	1.3752e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3812e+01	1.3812e+01	2e-03	5e-04	1e-15	4e-05
5:	1.3812e+01	1.3812e+01	2e-05	5e-06	1e-15	4e-07
6:	1.3812e+01	1.3812e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.4908e+00	9.4959e+00	6e+00	2e+00	3e-16	1e-01
2:	1.3258e+01	1.3260e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3828e+01	1.3829e+01	3e-01	1e-01	1e-15	8e-03
4:	1.3970e+01	1.3970e+01	6e-02	2e-02	1e-15	1e-03
5:	1.3997e+01	1.3997e+01	9e-03	3e-03	5e-15	2e-04
6:	1.3999e+01	1.3999e+01	2e-03	5e-04	2e-13	4e-05
7:	1.4000e+01	1.4000e+01	2e-05	5e-06	1e-14	4e-07
8:	1.4000e+01	1.4000e+01	2e-07	5e-08	3e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3025e+00	9.3087e+00	6e+00	2e+00	6e-16	1e-01
2:	1.2100e+01	1.2102e+01	2e+00	5e-01	2e-15	4e-02
3:	1.2848e+01	1.2849e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2961e+01	1.2962e+01	4e-02	1e-02	9e-16	9e-04
5:	1.2980e+01	1.2980e+01	1e-03	4e-04	4e-15	3e-05
6:	1.2980e+01	1.2980e+01	1e-05	4e-06	9e-16	3e-07
7:	1.2980e+01	1.2980e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5067e+00	9.5121e+00	6e+00	2e+00	7e-16	1e-01
2:	1.3339e+01	1.3341e+01	1e+00	4e-01	3e-15	3e-02
3:	1.3898e+01	1.3898e+01	2e-01	7e-02	2e-15	6e-03

4:	1.3994e+01	1.3994e+01	1e-02	4e-03	6e-15	3e-04
5:	1.4000e+01	1.4000e+01	1e-04	4e-05	2e-15	3e-06
6:	1.4000e+01	1.4000e+01	1e-06	4e-07	2e-15	3e-08
7:	1.4000e+01	1.4000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8159e+00	8.8210e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2363e+01	1.2365e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3253e+01	1.3253e+01	3e-01	9e-02	1e-15	7e-03
4:	1.3437e+01	1.3437e+01	1e-02	4e-03	2e-15	3e-04
5:	1.3443e+01	1.3443e+01	2e-03	5e-04	8e-14	4e-05
6:	1.3444e+01	1.3444e+01	3e-05	1e-05	6e-15	8e-07
7:	1.3444e+01	1.3444e+01	3e-07	1e-07	2e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0452e+01	1.0454e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3824e+01	1.3824e+01	4e-01	1e-01	4e-15	1e-02
3:	1.3998e+01	1.3998e+01	5e-03	1e-03	1e-15	1e-04
4:	1.4000e+01	1.4000e+01	5e-05	1e-05	1e-15	1e-06
5:	1.4000e+01	1.4000e+01	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.2544e+00	6.2689e+00	9e+00	3e+00	2e-16	2e-01
2:	1.0117e+01	1.0121e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1048e+01	1.1050e+01	4e-01	1e-01	9e-16	9e-03
4:	1.1135e+01	1.1136e+01	2e-01	6e-02	2e-15	4e-03
5:	1.1217e+01	1.1217e+01	5e-03	1e-03	7e-16	1e-04
6:	1.1219e+01	1.1219e+01	5e-05	1e-05	2e-15	1e-06
7:	1.1219e+01	1.1219e+01	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6121e+00	6.6218e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0508e+01	1.0511e+01	2e+00	5e-01	1e-15	3e-02
3:	1.1193e+01	1.1194e+01	5e-01	1e-01	8e-16	1e-02
4:	1.1345e+01	1.1345e+01	1e-01	4e-02	2e-15	3e-03
5:	1.1411e+01	1.1411e+01	2e-02	6e-03	6e-16	4e-04
6:	1.1419e+01	1.1419e+01	2e-04	6e-05	1e-15	5e-06
7:	1.1419e+01	1.1419e+01	2e-06	6e-07	1e-15	5e-08
8:	1.1419e+01	1.1419e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0409e+01	1.0411e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3593e+01	1.3593e+01	9e-01	3e-01	3e-15	2e-02

3:	1.3992e+01	1.3992e+01	2e-02	5e-03	2e-15	4e-04
4:	1.4000e+01	1.4000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.4000e+01	1.4000e+01	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.6238e+00	5.6370e+00	9e+00	3e+00	4e-16	2e-01
2:	9.1603e+00	9.1645e+00	2e+00	7e-01	1e-15	5e-02
3:	1.0069e+01	1.0070e+01	6e-01	2e-01	1e-15	1e-02
4:	1.0327e+01	1.0327e+01	8e-02	3e-02	6e-16	2e-03
5:	1.0364e+01	1.0364e+01	1e-02	4e-03	1e-15	3e-04
6:	1.0371e+01	1.0371e+01	1e-04	4e-05	7e-16	3e-06
7:	1.0371e+01	1.0371e+01	1e-06	4e-07	6e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7383e+00	7.7505e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1504e+01	1.1510e+01	3e+00	9e-01	1e-15	6e-02
3:	1.2964e+01	1.2965e+01	4e-01	1e-01	1e-15	9e-03
4:	1.3186e+01	1.3186e+01	7e-02	2e-02	1e-15	2e-03
5:	1.3220e+01	1.3220e+01	9e-04	3e-04	7e-16	2e-05
6:	1.3220e+01	1.3220e+01	9e-06	3e-06	6e-16	2e-07
7:	1.3220e+01	1.3220e+01	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.0736e+00	8.0856e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2429e+01	1.2433e+01	2e+00	5e-01	2e-15	3e-02
3:	1.3125e+01	1.3125e+01	3e-01	9e-02	1e-15	6e-03
4:	1.3302e+01	1.3302e+01	3e-03	1e-03	1e-15	7e-05
5:	1.3304e+01	1.3304e+01	3e-05	1e-05	1e-15	7e-07
6:	1.3304e+01	1.3304e+01	3e-07	1e-07	8e-16	7e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.3755e+00	9.3814e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3096e+01	1.3098e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3895e+01	1.3895e+01	2e-01	7e-02	2e-15	5e-03
4:	1.3992e+01	1.3992e+01	1e-02	4e-03	1e-14	3e-04
5:	1.4000e+01	1.4000e+01	1e-04	5e-05	1e-15	3e-06
6:	1.4000e+01	1.4000e+01	1e-06	5e-07	2e-15	3e-08
7:	1.4000e+01	1.4000e+01	1e-08	5e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3764e+00	6.3857e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0353e+01	1.0356e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1343e+01	1.1344e+01	4e-01	1e-01	1e-15	9e-03

4:	1.1546e+01	1.1546e+01	7e-02	2e-02	3e-15	2e-03
5:	1.1589e+01	1.1589e+01	1e-03	3e-04	7e-16	2e-05
6:	1.1589e+01	1.1589e+01	1e-05	3e-06	8e-16	2e-07
7:	1.1589e+01	1.1589e+01	1e-07	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1937e+00	9.2020e+00	7e+00	2e+00	3e-16	1e-01
2:	1.2803e+01	1.2806e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3662e+01	1.3663e+01	5e-01	2e-01	1e-15	1e-02
4:	1.3895e+01	1.3895e+01	1e-01	3e-02	2e-15	2e-03
5:	1.3935e+01	1.3935e+01	1e-02	4e-03	1e-14	3e-04
6:	1.3941e+01	1.3941e+01	1e-04	4e-05	7e-16	3e-06
7:	1.3941e+01	1.3941e+01	1e-06	4e-07	1e-15	3e-08
8:	1.3941e+01	1.3941e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3486e+00	9.3525e+00	7e+00	2e+00	1e-15	2e-01
2:	1.3223e+01	1.3224e+01	9e-01	3e-01	3e-15	2e-02
3:	1.3691e+01	1.3691e+01	2e-01	5e-02	1e-15	4e-03
4:	1.3769e+01	1.3769e+01	3e-03	9e-04	2e-15	7e-05
5:	1.3771e+01	1.3771e+01	3e-05	9e-06	1e-15	7e-07
6:	1.3771e+01	1.3771e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0614e+01	1.0616e+01	5e+00	2e+00	5e-16	1e-01
2:	1.3871e+01	1.3871e+01	3e-01	8e-02	2e-15	6e-03
3:	1.3999e+01	1.3999e+01	3e-03	8e-04	1e-15	6e-05
4:	1.4000e+01	1.4000e+01	3e-05	8e-06	1e-15	6e-07
5:	1.4000e+01	1.4000e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.7585e+00	9.7625e+00	6e+00	2e+00	2e-15	1e-01
2:	1.3511e+01	1.3512e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3933e+01	1.3933e+01	2e-01	5e-02	1e-15	4e-03
4:	1.3993e+01	1.3993e+01	1e-02	5e-03	1e-14	4e-04
5:	1.4000e+01	1.4000e+01	1e-04	5e-05	2e-15	4e-06
6:	1.4000e+01	1.4000e+01	1e-06	5e-07	2e-15	4e-08
7:	1.4000e+01	1.4000e+01	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8004e+00	9.8053e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3512e+01	1.3513e+01	1e+00	3e-01	1e-15	2e-02
3:	1.3978e+01	1.3978e+01	4e-02	1e-02	2e-15	9e-04

4:	1.4000e+01	1.4000e+01	4e-04	1e-04	1e-15	9e-06
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0687e+01	1.0691e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4636e+01	1.4637e+01	8e-01	3e-01	2e-15	2e-02
3:	1.4972e+01	1.4972e+01	5e-02	2e-02	2e-15	1e-03
4:	1.5000e+01	1.5000e+01	5e-04	2e-04	7e-16	1e-05
5:	1.5000e+01	1.5000e+01	5e-06	2e-06	6e-16	1e-07
6:	1.5000e+01	1.5000e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4416e+00	8.4502e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2290e+01	1.2293e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3105e+01	1.3105e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3165e+01	1.3165e+01	2e-02	6e-03	9e-15	5e-04
5:	1.3174e+01	1.3174e+01	5e-04	2e-04	8e-15	1e-05
6:	1.3175e+01	1.3175e+01	5e-06	2e-06	4e-15	1e-07
7:	1.3175e+01	1.3175e+01	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.9091e+00	8.9147e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2539e+01	1.2541e+01	2e+00	6e-01	1e-15	4e-02
3:	1.3590e+01	1.3590e+01	2e-01	5e-02	1e-15	4e-03
4:	1.3682e+01	1.3682e+01	3e-02	1e-02	9e-16	7e-04
5:	1.3698e+01	1.3698e+01	4e-04	1e-04	1e-15	9e-06
6:	1.3698e+01	1.3698e+01	4e-06	1e-06	1e-15	9e-08
7:	1.3698e+01	1.3698e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2428e+00	8.2585e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0683e+01	1.0691e+01	3e+00	9e-01	1e-15	6e-02
3:	1.2130e+01	1.2133e+01	8e-01	3e-01	1e-15	2e-02
4:	1.2273e+01	1.2276e+01	5e-01	2e-01	2e-15	1e-02
5:	1.2532e+01	1.2532e+01	3e-02	9e-03	7e-16	7e-04
6:	1.2546e+01	1.2546e+01	3e-04	1e-04	1e-15	7e-06
7:	1.2546e+01	1.2546e+01	3e-06	1e-06	1e-15	7e-08
8:	1.2546e+01	1.2546e+01	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4729e+00	8.4810e+00	8e+00	3e+00	6e-16	2e-01
2:	1.2196e+01	1.2198e+01	2e+00	6e-01	2e-15	4e-02

3:	1.3162e+01	1.3162e+01	3e-01	1e-01	2e-15	8e-03
4:	1.3358e+01	1.3358e+01	2e-02	6e-03	1e-15	4e-04
5:	1.3367e+01	1.3367e+01	2e-04	6e-05	2e-15	4e-06
6:	1.3367e+01	1.3367e+01	2e-06	6e-07	2e-15	4e-08
7:	1.3367e+01	1.3367e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5095e+00	6.5233e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0942e+01	1.0946e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1739e+01	1.1740e+01	4e-01	1e-01	7e-16	8e-03
4:	1.1947e+01	1.1947e+01	1e-02	4e-03	8e-16	3e-04
5:	1.1953e+01	1.1953e+01	1e-04	4e-05	7e-16	3e-06
6:	1.1953e+01	1.1953e+01	1e-06	4e-07	8e-16	3e-08
7:	1.1953e+01	1.1953e+01	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1137e+00	9.1222e+00	7e+00	2e+00	9e-16	2e-01
2:	1.3644e+01	1.3646e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4103e+01	1.4103e+01	3e-01	8e-02	2e-15	6e-03
4:	1.4243e+01	1.4243e+01	4e-03	1e-03	1e-15	1e-04
5:	1.4245e+01	1.4245e+01	4e-05	1e-05	1e-15	1e-06
6:	1.4245e+01	1.4245e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5464e+00	9.5513e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3353e+01	1.3354e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3992e+01	1.3992e+01	3e-01	1e-01	1e-15	8e-03
4:	1.4018e+01	1.4018e+01	2e-01	7e-02	6e-15	5e-03
5:	1.4090e+01	1.4090e+01	6e-02	2e-02	2e-15	2e-03
6:	1.4117e+01	1.4117e+01	9e-04	3e-04	8e-16	2e-05
7:	1.4117e+01	1.4117e+01	9e-06	3e-06	5e-16	2e-07
8:	1.4117e+01	1.4117e+01	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3868e+00	6.4030e+00	1e+01	3e+00	3e-16	2e-01
2:	9.2101e+00	9.2160e+00	3e+00	9e-01	1e-15	6e-02
3:	1.0569e+01	1.0571e+01	7e-01	2e-01	1e-15	2e-02
4:	1.0967e+01	1.0967e+01	7e-02	2e-02	3e-15	2e-03
5:	1.0996e+01	1.0996e+01	2e-02	6e-03	8e-15	4e-04
6:	1.1006e+01	1.1006e+01	3e-04	8e-05	3e-15	6e-06
7:	1.1006e+01	1.1006e+01	3e-06	8e-07	2e-15	6e-08
8:	1.1006e+01	1.1006e+01	3e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1249e+01	1.1252e+01	5e+00	2e+00	4e-16	1e-01
2:	1.4632e+01	1.4633e+01	7e-01	2e-01	2e-15	2e-02
3:	1.4990e+01	1.4990e+01	2e-02	6e-03	2e-15	4e-04
4:	1.5000e+01	1.5000e+01	2e-04	6e-05	2e-15	4e-06
5:	1.5000e+01	1.5000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.5000e+01	1.5000e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.9920e+00	9.9982e+00	6e+00	2e+00	6e-16	1e-01
2:	1.3404e+01	1.3406e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4074e+01	1.4074e+01	2e-01	7e-02	2e-15	5e-03
4:	1.4162e+01	1.4162e+01	6e-02	2e-02	4e-15	1e-03
5:	1.4196e+01	1.4196e+01	6e-03	2e-03	1e-15	1e-04
6:	1.4198e+01	1.4198e+01	6e-05	2e-05	2e-15	1e-06
7:	1.4198e+01	1.4198e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0790e+01	1.0794e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3968e+01	1.3969e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4869e+01	1.4869e+01	3e-01	9e-02	2e-15	7e-03
4:	1.4973e+01	1.4974e+01	5e-02	2e-02	1e-14	1e-03
5:	1.5000e+01	1.5000e+01	6e-04	2e-04	2e-15	1e-05
6:	1.5000e+01	1.5000e+01	6e-06	2e-06	2e-15	1e-07
7:	1.5000e+01	1.5000e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8884e+00	8.8953e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2638e+01	1.2640e+01	1e+00	5e-01	1e-15	3e-02
3:	1.3599e+01	1.3599e+01	9e-02	3e-02	2e-15	2e-03
4:	1.3638e+01	1.3638e+01	2e-02	7e-03	6e-15	5e-04
5:	1.3647e+01	1.3647e+01	4e-03	1e-03	4e-14	1e-04
6:	1.3649e+01	1.3649e+01	3e-04	8e-05	3e-15	6e-06
7:	1.3649e+01	1.3649e+01	3e-06	8e-07	1e-14	6e-08
8:	1.3649e+01	1.3649e+01	3e-08	8e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8738e+00	7.8864e+00	8e+00	3e+00	3e-16	2e-01
2:	1.3018e+01	1.3020e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3427e+01	1.3428e+01	2e-01	6e-02	1e-15	4e-03
4:	1.3518e+01	1.3518e+01	3e-02	9e-03	7e-16	7e-04
5:	1.3531e+01	1.3531e+01	4e-04	1e-04	2e-15	9e-06
6:	1.3531e+01	1.3531e+01	4e-06	1e-06	1e-15	9e-08
7:	1.3531e+01	1.3531e+01	4e-08	1e-08	1e-15	9e-10



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1154e+00	9.1238e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2840e+01	1.2844e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3544e+01	1.3545e+01	6e-01	2e-01	2e-15	1e-02
4:	1.3937e+01	1.3937e+01	6e-02	2e-02	1e-15	1e-03
5:	1.3965e+01	1.3965e+01	6e-04	2e-04	8e-16	1e-05
6:	1.3965e+01	1.3965e+01	6e-06	2e-06	6e-16	1e-07
7:	1.3965e+01	1.3965e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0795e+01	1.0798e+01	6e+00	2e+00	1e-15	1e-01
2:	1.4402e+01	1.4402e+01	1e+00	3e-01	2e-15	3e-02
3:	1.4941e+01	1.4942e+01	1e-01	4e-02	2e-15	3e-03
4:	1.4999e+01	1.4999e+01	2e-03	5e-04	5e-15	4e-05
5:	1.5000e+01	1.5000e+01	2e-05	5e-06	2e-15	4e-07
6:	1.5000e+01	1.5000e+01	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0863e+01	1.0867e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4443e+01	1.4444e+01	1e+00	3e-01	2e-15	3e-02
3:	1.4986e+01	1.4986e+01	3e-02	8e-03	2e-15	6e-04
4:	1.5000e+01	1.5000e+01	3e-04	8e-05	2e-15	6e-06
5:	1.5000e+01	1.5000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.5000e+01	1.5000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6979e+00	8.7073e+00	9e+00	3e+00	3e-16	2e-01
2:	1.2816e+01	1.2819e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3390e+01	1.3391e+01	8e-01	3e-01	3e-15	2e-02
4:	1.3657e+01	1.3658e+01	2e-01	5e-02	1e-15	3e-03
5:	1.3732e+01	1.3732e+01	5e-02	2e-02	8e-16	1e-03
6:	1.3750e+01	1.3751e+01	5e-03	2e-03	7e-16	1e-04
7:	1.3753e+01	1.3753e+01	2e-04	6e-05	7e-16	4e-06
8:	1.3753e+01	1.3753e+01	2e-06	6e-07	9e-16	4e-08
9:	1.3753e+01	1.3753e+01	2e-08	6e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0163e+00	9.0240e+00	8e+00	3e+00	3e-16	2e-01
2:	1.4385e+01	1.4387e+01	1e+00	3e-01	9e-16	2e-02
3:	1.4793e+01	1.4794e+01	2e-01	8e-02	2e-15	6e-03
4:	1.4849e+01	1.4850e+01	8e-02	2e-02	1e-14	2e-03
5:	1.4881e+01	1.4881e+01	2e-02	6e-03	3e-15	4e-04

6:	1.4888e+01	1.4888e+01	2e-04	7e-05	4e-15	5e-06
7:	1.4888e+01	1.4888e+01	2e-06	7e-07	3e-15	5e-08
8:	1.4888e+01	1.4888e+01	2e-08	7e-09	4e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0863e+01	1.0868e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4579e+01	1.4580e+01	8e-01	2e-01	3e-15	2e-02
3:	1.4990e+01	1.4990e+01	2e-02	5e-03	2e-15	4e-04
4:	1.5000e+01	1.5000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.5000e+01	1.5000e+01	2e-06	5e-07	2e-15	4e-08
6:	1.5000e+01	1.5000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4901e+00	7.4962e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1588e+01	1.1590e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2227e+01	1.2228e+01	2e-01	7e-02	6e-16	5e-03
4:	1.2306e+01	1.2306e+01	6e-02	2e-02	4e-15	1e-03
5:	1.2338e+01	1.2338e+01	2e-03	6e-04	8e-16	4e-05
6:	1.2339e+01	1.2339e+01	2e-05	6e-06	6e-16	4e-07
7:	1.2339e+01	1.2339e+01	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0809e+01	1.0813e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4577e+01	1.4578e+01	9e-01	3e-01	2e-15	2e-02
3:	1.4976e+01	1.4976e+01	5e-02	1e-02	3e-15	1e-03
4:	1.5000e+01	1.5000e+01	5e-04	1e-04	1e-15	1e-05
5:	1.5000e+01	1.5000e+01	5e-06	1e-06	1e-15	1e-07
6:	1.5000e+01	1.5000e+01	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1134e+01	1.1136e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4684e+01	1.4685e+01	6e-01	2e-01	2e-15	2e-02
3:	1.4994e+01	1.4994e+01	1e-02	3e-03	1e-15	3e-04
4:	1.5000e+01	1.5000e+01	1e-04	3e-05	1e-15	3e-06
5:	1.5000e+01	1.5000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0047e+01	1.0054e+01	6e+00	2e+00	3e-16	1e-01
2:	1.2309e+01	1.2313e+01	3e+00	9e-01	2e-15	6e-02
3:	1.3267e+01	1.3268e+01	8e-01	2e-01	1e-15	2e-02
4:	1.3716e+01	1.3717e+01	1e-01	4e-02	1e-15	3e-03
5:	1.3769e+01	1.3769e+01	1e-03	5e-04	8e-16	4e-05
6:	1.3769e+01	1.3769e+01	1e-05	5e-06	5e-16	4e-07

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7: 1.3770e+01 1.3770e+01 1e-07 5e-08 5e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 8.0275e+00 8.0370e+00 7e+00 2e+00 3e-16 2e-01
2: 1.1978e+01 1.1981e+01 2e+00 5e-01 2e-15 4e-02
3: 1.2695e+01 1.2695e+01 2e-01 8e-02 9e-16 6e-03
4: 1.2800e+01 1.2800e+01 3e-02 1e-02 2e-15 8e-04
5: 1.2819e+01 1.2819e+01 4e-04 1e-04 1e-15 9e-06
6: 1.2819e+01 1.2819e+01 4e-06 1e-06 9e-16 9e-08
7: 1.2819e+01 1.2819e+01 4e-08 1e-08 9e-16 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0545e+01 1.0550e+01 6e+00 2e+00 3e-16 1e-01
2: 1.4480e+01 1.4481e+01 1e+00 3e-01 3e-15 2e-02
3: 1.4906e+01 1.4906e+01 2e-01 5e-02 2e-15 4e-03
4: 1.4990e+01 1.4990e+01 2e-02 8e-03 9e-15 6e-04
5: 1.5000e+01 1.5000e+01 9e-04 3e-04 7e-14 2e-05
6: 1.5000e+01 1.5000e+01 9e-06 3e-06 2e-14 2e-07
7: 1.5000e+01 1.5000e+01 9e-08 3e-08 2e-14 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 8.2937e+00 8.3040e+00 7e+00 2e+00 1e-15 2e-01
2: 1.2712e+01 1.2716e+01 2e+00 5e-01 4e-15 3e-02
3: 1.3402e+01 1.3402e+01 2e-01 7e-02 2e-15 5e-03
4: 1.3539e+01 1.3539e+01 2e-02 5e-03 2e-15 4e-04
5: 1.3547e+01 1.3547e+01 2e-04 5e-05 2e-15 4e-06
6: 1.3548e+01 1.3548e+01 2e-06 5e-07 2e-15 4e-08
7: 1.3548e+01 1.3548e+01 2e-08 5e-09 5e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0071e+01 1.0076e+01 6e+00 2e+00 3e-16 1e-01
2: 1.3218e+01 1.3220e+01 2e+00 6e-01 2e-15 5e-02
3: 1.3858e+01 1.3860e+01 8e-01 3e-01 7e-15 2e-02
4: 1.4327e+01 1.4328e+01 8e-02 3e-02 1e-15 2e-03
5: 1.4363e+01 1.4363e+01 9e-04 3e-04 8e-16 2e-05
6: 1.4363e+01 1.4363e+01 9e-06 3e-06 8e-16 2e-07
7: 1.4363e+01 1.4363e+01 9e-08 3e-08 8e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 8.7231e+00 8.7303e+00 8e+00 3e+00 5e-16 2e-01
2: 1.2761e+01 1.2763e+01 2e+00 7e-01 2e-15 5e-02
3: 1.3693e+01 1.3694e+01 4e-01 1e-01 8e-16 1e-02
4: 1.3955e+01 1.3955e+01 4e-02 1e-02 9e-16 9e-04

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5:	1.3973e+01	1.3973e+01	4e-04	1e-04	5e-16	9e-06
6:	1.3973e+01	1.3973e+01	4e-06	1e-06	6e-16	9e-08
7:	1.3973e+01	1.3973e+01	4e-08	1e-08	7e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2592e+00	9.2629e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2542e+01	1.2544e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3559e+01	1.3560e+01	3e-01	9e-02	1e-15	6e-03
4:	1.3733e+01	1.3733e+01	1e-02	4e-03	1e-15	3e-04
5:	1.3741e+01	1.3741e+01	9e-04	3e-04	2e-14	2e-05
6:	1.3741e+01	1.3741e+01	6e-05	2e-05	1e-12	1e-06
7:	1.3741e+01	1.3741e+01	6e-07	2e-07	1e-13	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7305e+00	9.7370e+00	7e+00	2e+00	4e-16	2e-01
2:	1.4278e+01	1.4280e+01	1e+00	4e-01	1e-15	3e-02
3:	1.4944e+01	1.4944e+01	2e-01	5e-02	2e-15	4e-03
4:	1.4998e+01	1.4998e+01	4e-03	1e-03	1e-14	9e-05
5:	1.5000e+01	1.5000e+01	4e-05	1e-05	5e-15	9e-07
6:	1.5000e+01	1.5000e+01	4e-07	1e-07	4e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1073e+01	1.1076e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4450e+01	1.4451e+01	1e+00	3e-01	2e-15	2e-02
3:	1.4946e+01	1.4946e+01	1e-01	4e-02	3e-15	3e-03
4:	1.4999e+01	1.4999e+01	2e-03	6e-04	7e-15	5e-05
5:	1.5000e+01	1.5000e+01	2e-05	6e-06	4e-15	5e-07
6:	1.5000e+01	1.5000e+01	2e-07	6e-08	4e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0492e+01	1.0494e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4422e+01	1.4422e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4982e+01	1.4982e+01	4e-02	1e-02	2e-15	9e-04
4:	1.5000e+01	1.5000e+01	4e-04	1e-04	8e-16	9e-06
5:	1.5000e+01	1.5000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.5000e+01	1.5000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7723e+00	8.7803e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2846e+01	1.2848e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3560e+01	1.3561e+01	2e-01	5e-02	9e-16	4e-03
4:	1.3624e+01	1.3624e+01	2e-03	7e-04	7e-16	5e-05
5:	1.3625e+01	1.3625e+01	2e-05	7e-06	7e-16	5e-07

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6: 1.3625e+01 1.3625e+01 2e-07 7e-08 6e-16 5e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 8.9652e+00 8.9743e+00 7e+00 2e+00 2e-16 2e-01
2: 1.3254e+01 1.3256e+01 9e-01 3e-01 2e-15 2e-02
3: 1.3784e+01 1.3784e+01 9e-02 3e-02 1e-15 2e-03
4: 1.3824e+01 1.3824e+01 1e-03 5e-04 3e-15 4e-05
5: 1.3825e+01 1.3825e+01 1e-05 5e-06 2e-15 4e-07
6: 1.3825e+01 1.3825e+01 1e-07 5e-08 1e-15 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 9.4023e+00 9.4097e+00 7e+00 2e+00 3e-16 1e-01
2: 1.2825e+01 1.2828e+01 2e+00 5e-01 2e-15 4e-02
3: 1.3732e+01 1.3732e+01 2e-01 5e-02 7e-16 4e-03
4: 1.3808e+01 1.3808e+01 3e-03 9e-04 8e-16 6e-05
5: 1.3809e+01 1.3809e+01 3e-05 9e-06 8e-16 6e-07
6: 1.3809e+01 1.3809e+01 3e-07 9e-08 1e-15 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 9.4460e+00 9.4544e+00 7e+00 2e+00 3e-16 1e-01
2: 1.3186e+01 1.3190e+01 2e+00 6e-01 2e-15 4e-02
3: 1.4011e+01 1.4012e+01 3e-01 1e-01 1e-15 8e-03
4: 1.4187e+01 1.4188e+01 6e-02 2e-02 2e-15 1e-03
5: 1.4208e+01 1.4208e+01 2e-02 6e-03 3e-14 4e-04
6: 1.4218e+01 1.4218e+01 4e-04 1e-04 1e-15 1e-05
7: 1.4218e+01 1.4218e+01 4e-06 1e-06 7e-15 1e-07
8: 1.4218e+01 1.4218e+01 4e-08 1e-08 7e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 9.6373e+00 9.6468e+00 7e+00 2e+00 3e-16 1e-01
2: 1.1815e+01 1.1819e+01 2e+00 8e-01 1e-15 6e-02
3: 1.3281e+01 1.3282e+01 2e-01 7e-02 1e-15 6e-03
4: 1.3377e+01 1.3377e+01 2e-02 5e-03 1e-15 4e-04
5: 1.3384e+01 1.3384e+01 6e-04 2e-04 5e-16 1e-05
6: 1.3384e+01 1.3384e+01 6e-06 2e-06 7e-16 1e-07
7: 1.3384e+01 1.3384e+01 6e-08 2e-08 6e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 9.5501e+00 9.5550e+00 8e+00 2e+00 4e-16 2e-01
2: 1.3615e+01 1.3617e+01 2e+00 5e-01 1e-15 4e-02
3: 1.4337e+01 1.4337e+01 3e-01 1e-01 1e-15 8e-03
4: 1.4530e+01 1.4530e+01 3e-02 1e-02 1e-15 7e-04
5: 1.4547e+01 1.4547e+01 4e-04 1e-04 1e-15 9e-06

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6:	1.4547e+01	1.4547e+01	4e-06	1e-06	3e-15	9e-08
7:	1.4547e+01	1.4547e+01	4e-08	1e-08	3e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.2941e+00	7.3073e+00	9e+00	3e+00	3e-16	2e-01
2:	1.0970e+01	1.0975e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2052e+01	1.2054e+01	4e-01	1e-01	7e-16	9e-03
4:	1.2254e+01	1.2254e+01	4e-02	1e-02	6e-16	9e-04
5:	1.2263e+01	1.2263e+01	2e-02	6e-03	1e-14	5e-04
6:	1.2273e+01	1.2273e+01	2e-04	8e-05	6e-16	6e-06
7:	1.2273e+01	1.2273e+01	2e-06	8e-07	2e-15	6e-08
8:	1.2273e+01	1.2273e+01	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9182e+00	7.9296e+00	8e+00	3e+00	6e-16	2e-01
2:	1.1900e+01	1.1904e+01	2e+00	5e-01	1e-15	3e-02
3:	1.2756e+01	1.2756e+01	2e-01	6e-02	4e-15	4e-03
4:	1.2868e+01	1.2868e+01	3e-02	1e-02	9e-16	8e-04
5:	1.2886e+01	1.2886e+01	2e-03	6e-04	1e-15	5e-05
6:	1.2887e+01	1.2887e+01	2e-05	6e-06	7e-16	5e-07
7:	1.2887e+01	1.2887e+01	2e-07	6e-08	9e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.4115e+00	9.4174e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3890e+01	1.3891e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4523e+01	1.4523e+01	2e-01	6e-02	2e-15	4e-03
4:	1.4634e+01	1.4634e+01	4e-03	1e-03	1e-15	9e-05
5:	1.4636e+01	1.4636e+01	4e-05	1e-05	9e-16	9e-07
6:	1.4636e+01	1.4636e+01	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.2463e+00	9.2520e+00	7e+00	2e+00	2e-16	2e-01
2:	1.2398e+01	1.2400e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3182e+01	1.3183e+01	4e-01	1e-01	2e-15	9e-03
4:	1.3344e+01	1.3344e+01	1e-01	4e-02	2e-15	3e-03
5:	1.3410e+01	1.3410e+01	2e-02	6e-03	6e-15	4e-04
6:	1.3420e+01	1.3420e+01	2e-04	7e-05	6e-15	5e-06
7:	1.3420e+01	1.3420e+01	2e-06	7e-07	6e-15	5e-08
8:	1.3420e+01	1.3420e+01	2e-08	7e-09	6e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9716e+00	9.9765e+00	7e+00	2e+00	4e-16	2e-01
2:	1.4143e+01	1.4144e+01	8e-01	3e-01	2e-15	2e-02

3:	1.4525e+01	1.4525e+01	1e-01	4e-02	1e-15	3e-03
4:	1.4605e+01	1.4605e+01	3e-03	9e-04	1e-15	7e-05
5:	1.4607e+01	1.4607e+01	3e-05	9e-06	1e-15	7e-07
6:	1.4607e+01	1.4607e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0566e+01	1.0571e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4759e+01	1.4760e+01	6e-01	2e-01	2e-15	1e-02
3:	1.4983e+01	1.4983e+01	3e-02	1e-02	4e-15	8e-04
4:	1.5000e+01	1.5000e+01	3e-04	1e-04	5e-16	8e-06
5:	1.5000e+01	1.5000e+01	3e-06	1e-06	8e-16	8e-08
6:	1.5000e+01	1.5000e+01	3e-08	1e-08	7e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.6324e+00	9.6381e+00	8e+00	2e+00	3e-16	2e-01
2:	1.4448e+01	1.4449e+01	9e-01	3e-01	2e-15	2e-02
3:	1.4947e+01	1.4948e+01	1e-01	4e-02	1e-15	3e-03
4:	1.4997e+01	1.4997e+01	6e-03	2e-03	2e-14	1e-04
5:	1.5000e+01	1.5000e+01	6e-05	2e-05	3e-15	1e-06
6:	1.5000e+01	1.5000e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7829e+00	9.7905e+00	7e+00	2e+00	4e-16	2e-01
2:	1.4155e+01	1.4157e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4930e+01	1.4930e+01	1e-01	5e-02	8e-16	3e-03
4:	1.4997e+01	1.4997e+01	5e-03	2e-03	2e-14	1e-04
5:	1.5000e+01	1.5000e+01	5e-05	2e-05	3e-15	1e-06
6:	1.5000e+01	1.5000e+01	5e-07	2e-07	4e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.8446e+00	9.8510e+00	6e+00	2e+00	4e-16	1e-01
2:	1.4618e+01	1.4619e+01	8e-01	2e-01	1e-15	2e-02
3:	1.4882e+01	1.4882e+01	1e-01	4e-02	5e-15	3e-03
4:	1.4942e+01	1.4942e+01	2e-02	5e-03	1e-15	4e-04
5:	1.4950e+01	1.4950e+01	6e-04	2e-04	6e-16	1e-05
6:	1.4950e+01	1.4950e+01	6e-06	2e-06	2e-15	1e-07
7:	1.4950e+01	1.4950e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0133e+01	1.0139e+01	7e+00	2e+00	7e-16	1e-01
2:	1.4442e+01	1.4443e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4972e+01	1.4973e+01	6e-02	2e-02	2e-15	1e-03
4:	1.5000e+01	1.5000e+01	6e-04	2e-04	1e-15	1e-05

5:	1.5000e+01	1.5000e+01	6e-06	2e-06	8e-16	1e-07
6:	1.5000e+01	1.5000e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7330e+00	8.7414e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1914e+01	1.1918e+01	2e+00	6e-01	2e-15	5e-02
3:	1.3158e+01	1.3158e+01	2e-01	7e-02	1e-15	5e-03
4:	1.3279e+01	1.3279e+01	2e-02	7e-03	1e-15	5e-04
5:	1.3290e+01	1.3290e+01	3e-04	1e-04	7e-15	8e-06
6:	1.3290e+01	1.3290e+01	3e-06	1e-06	4e-15	8e-08
7:	1.3290e+01	1.3290e+01	3e-08	1e-08	5e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.7151e+00	8.7230e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1662e+01	1.1665e+01	2e+00	7e-01	1e-15	5e-02
3:	1.2439e+01	1.2441e+01	8e-01	3e-01	2e-15	2e-02
4:	1.2852e+01	1.2852e+01	9e-02	3e-02	8e-16	2e-03
5:	1.2884e+01	1.2884e+01	1e-02	4e-03	3e-15	3e-04
6:	1.2888e+01	1.2888e+01	1e-04	4e-05	4e-15	3e-06
7:	1.2888e+01	1.2888e+01	1e-06	4e-07	6e-15	3e-08
8:	1.2888e+01	1.2888e+01	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0131e+01	1.0142e+01	7e+00	2e+00	5e-16	2e-01
2:	1.3117e+01	1.3123e+01	3e+00	9e-01	2e-15	6e-02
3:	1.4613e+01	1.4614e+01	5e-01	2e-01	2e-15	1e-02
4:	1.4968e+01	1.4968e+01	1e-02	4e-03	1e-15	3e-04
5:	1.4976e+01	1.4976e+01	1e-04	4e-05	1e-15	3e-06
6:	1.4976e+01	1.4976e+01	1e-06	4e-07	1e-15	3e-08
7:	1.4976e+01	1.4976e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5118e+00	9.5191e+00	8e+00	3e+00	3e-16	2e-01
2:	1.3359e+01	1.3362e+01	2e+00	6e-01	2e-15	5e-02
3:	1.4480e+01	1.4481e+01	3e-01	9e-02	8e-16	6e-03
4:	1.4625e+01	1.4625e+01	4e-02	1e-02	9e-16	8e-04
5:	1.4643e+01	1.4643e+01	5e-04	1e-04	3e-15	1e-05
6:	1.4644e+01	1.4644e+01	5e-06	1e-06	2e-15	1e-07
7:	1.4644e+01	1.4644e+01	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1312e+01	1.1316e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4221e+01	1.4223e+01	2e+00	6e-01	2e-15	4e-02



3:	1.5076e+01	1.5076e+01	2e-01	7e-02	9e-16	5e-03
4:	1.5186e+01	1.5186e+01	3e-02	1e-02	1e-15	9e-04
5:	1.5206e+01	1.5206e+01	2e-03	7e-04	8e-16	6e-05
6:	1.5207e+01	1.5207e+01	3e-05	1e-05	1e-14	8e-07
7:	1.5207e+01	1.5207e+01	3e-07	1e-07	1e-14	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0628e+01	1.0636e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3896e+01	1.3900e+01	2e+00	8e-01	2e-15	6e-02
3:	1.5027e+01	1.5029e+01	6e-01	2e-01	2e-15	1e-02
4:	1.5379e+01	1.5379e+01	1e-02	4e-03	2e-15	3e-04
5:	1.5386e+01	1.5386e+01	1e-04	4e-05	1e-15	3e-06
6:	1.5386e+01	1.5386e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.7848e+00	7.7973e+00	8e+00	2e+00	3e-16	2e-01
2:	1.0845e+01	1.0850e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1843e+01	1.1844e+01	4e-01	1e-01	7e-16	9e-03
4:	1.2021e+01	1.2021e+01	1e-02	4e-03	7e-16	3e-04
5:	1.2025e+01	1.2025e+01	1e-03	3e-04	2e-14	2e-05
6:	1.2026e+01	1.2026e+01	1e-05	5e-06	2e-15	4e-07
7:	1.2026e+01	1.2026e+01	1e-07	5e-08	5e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.3677e+00	6.3792e+00	8e+00	3e+00	3e-16	2e-01
2:	1.0417e+01	1.0421e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1248e+01	1.1249e+01	6e-01	2e-01	2e-15	1e-02
4:	1.1415e+01	1.1416e+01	2e-01	5e-02	2e-15	4e-03
5:	1.1497e+01	1.1497e+01	2e-02	6e-03	6e-16	4e-04
6:	1.1506e+01	1.1506e+01	2e-03	5e-04	2e-15	4e-05
7:	1.1506e+01	1.1506e+01	2e-05	7e-06	2e-14	6e-07
8:	1.1506e+01	1.1506e+01	2e-07	7e-08	9e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1161e+01	1.1166e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4518e+01	1.4520e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5392e+01	1.5393e+01	3e-01	8e-02	3e-15	6e-03
4:	1.5562e+01	1.5562e+01	5e-03	2e-03	2e-15	1e-04
5:	1.5566e+01	1.5566e+01	5e-05	2e-05	3e-15	1e-06
6:	1.5566e+01	1.5566e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5141e+00	7.5265e+00	8e+00	3e+00	3e-16	2e-01

2:	9.9529e+00	9.9586e+00	3e+00	1e+00	7e-16	7e-02
3:	1.1074e+01	1.1077e+01	1e+00	4e-01	8e-16	3e-02
4:	1.1654e+01	1.1655e+01	2e-01	6e-02	7e-16	4e-03
5:	1.1730e+01	1.1730e+01	2e-02	6e-03	1e-15	4e-04
6:	1.1737e+01	1.1737e+01	2e-04	6e-05	1e-15	4e-06
7:	1.1737e+01	1.1737e+01	2e-06	6e-07	1e-15	4e-08
8:	1.1737e+01	1.1737e+01	2e-08	6e-09	9e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6343e+00	8.6435e+00	8e+00	3e+00	5e-16	2e-01
2:	1.3155e+01	1.3157e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3720e+01	1.3720e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3774e+01	1.3774e+01	3e-03	1e-03	1e-15	8e-05
5:	1.3776e+01	1.3776e+01	3e-05	1e-05	1e-15	8e-07
6:	1.3776e+01	1.3776e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0212e+01	1.0220e+01	7e+00	2e+00	5e-16	2e-01
2:	1.4206e+01	1.4209e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4944e+01	1.4945e+01	3e-01	9e-02	2e-15	7e-03
4:	1.5037e+01	1.5038e+01	1e-01	3e-02	2e-14	2e-03
5:	1.5100e+01	1.5100e+01	8e-03	3e-03	1e-15	2e-04
6:	1.5104e+01	1.5104e+01	8e-05	3e-05	4e-15	2e-06
7:	1.5104e+01	1.5104e+01	8e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2695e+01	1.2696e+01	5e+00	1e+00	4e-16	1e-01
2:	1.5785e+01	1.5785e+01	3e-01	1e-01	2e-15	8e-03
3:	1.5997e+01	1.5997e+01	4e-03	1e-03	3e-15	1e-04
4:	1.6000e+01	1.6000e+01	4e-05	1e-05	3e-15	1e-06
5:	1.6000e+01	1.6000e+01	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1442e+01	1.1446e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5588e+01	1.5589e+01	7e-01	2e-01	2e-15	2e-02
3:	1.5971e+01	1.5971e+01	8e-02	2e-02	1e-15	2e-03
4:	1.5997e+01	1.5997e+01	6e-03	2e-03	2e-14	1e-04
5:	1.6000e+01	1.6000e+01	6e-05	2e-05	5e-15	1e-06
6:	1.6000e+01	1.6000e+01	6e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1718e+01	1.1721e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5446e+01	1.5446e+01	9e-01	3e-01	2e-15	2e-02

3:	1.5956e+01	1.5956e+01	8e-02	2e-02	3e-15	2e-03
4:	1.6000e+01	1.6000e+01	8e-04	2e-04	9e-16	2e-05
5:	1.6000e+01	1.6000e+01	8e-06	2e-06	9e-16	2e-07
6:	1.6000e+01	1.6000e+01	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.6676e+00	9.6748e+00	7e+00	2e+00	3e-16	2e-01
2:	1.4067e+01	1.4068e+01	9e-01	3e-01	2e-15	2e-02
3:	1.4490e+01	1.4490e+01	1e-01	4e-02	2e-15	3e-03
4:	1.4562e+01	1.4562e+01	4e-03	1e-03	1e-15	1e-04
5:	1.4564e+01	1.4564e+01	4e-05	1e-05	5e-16	1e-06
6:	1.4564e+01	1.4564e+01	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2096e+01	1.2099e+01	5e+00	2e+00	7e-16	1e-01
2:	1.5779e+01	1.5779e+01	4e-01	1e-01	3e-15	1e-02
3:	1.5997e+01	1.5997e+01	5e-03	2e-03	2e-15	1e-04
4:	1.6000e+01	1.6000e+01	5e-05	2e-05	1e-15	1e-06
5:	1.6000e+01	1.6000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3691e+00	8.3728e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2158e+01	1.2160e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2743e+01	1.2743e+01	3e-01	9e-02	9e-16	7e-03
4:	1.2892e+01	1.2892e+01	2e-02	7e-03	2e-15	5e-04
5:	1.2904e+01	1.2904e+01	2e-04	7e-05	8e-16	5e-06
6:	1.2904e+01	1.2904e+01	2e-06	7e-07	9e-16	5e-08
7:	1.2904e+01	1.2904e+01	2e-08	7e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2761e+01	1.2761e+01	5e+00	1e+00	4e-16	1e-01
2:	1.5865e+01	1.5865e+01	2e-01	7e-02	3e-15	5e-03
3:	1.5999e+01	1.5999e+01	2e-03	7e-04	2e-15	5e-05
4:	1.6000e+01	1.6000e+01	2e-05	7e-06	2e-15	5e-07
5:	1.6000e+01	1.6000e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1910e+00	9.2042e+00	8e+00	2e+00	2e-16	2e-01
2:	1.3552e+01	1.3558e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4428e+01	1.4430e+01	6e-01	2e-01	1e-15	1e-02
4:	1.4766e+01	1.4767e+01	8e-02	3e-02	3e-15	2e-03
5:	1.4817e+01	1.4817e+01	1e-03	3e-04	9e-16	3e-05
6:	1.4818e+01	1.4818e+01	1e-05	3e-06	1e-15	3e-07

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7: 1.4818e+01 1.4818e+01 1e-07 3e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 1.0410e+01 1.0418e+01 7e+00 2e+00 3e-16 1e-01
2: 1.3190e+01 1.3194e+01 3e+00 8e-01 2e-15 6e-02
3: 1.4277e+01 1.4278e+01 6e-01 2e-01 1e-15 1e-02
4: 1.4679e+01 1.4679e+01 5e-02 1e-02 1e-15 1e-03
5: 1.4701e+01 1.4701e+01 5e-04 1e-04 6e-16 1e-05
6: 1.4701e+01 1.4701e+01 5e-06 1e-06 6e-16 1e-07
7: 1.4701e+01 1.4701e+01 5e-08 1e-08 8e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1399e+01 1.1403e+01 6e+00 2e+00 7e-16 1e-01
2: 1.5498e+01 1.5499e+01 9e-01 3e-01 3e-15 2e-02
3: 1.5966e+01 1.5966e+01 7e-02 2e-02 3e-15 2e-03
4: 1.6000e+01 1.6000e+01 7e-04 2e-04 2e-15 2e-05
5: 1.6000e+01 1.6000e+01 7e-06 2e-06 2e-15 2e-07
6: 1.6000e+01 1.6000e+01 7e-08 2e-08 2e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 6e+01 2e+01 1e-16 1e+00
1: 6.0643e+00 6.0846e+00 8e+00 3e+00 3e-16 2e-01
2: 9.7493e+00 9.7546e+00 1e+00 5e-01 3e-15 3e-02
3: 1.0524e+01 1.0524e+01 2e-01 6e-02 1e-15 4e-03
4: 1.0597e+01 1.0597e+01 3e-02 1e-02 1e-15 8e-04
5: 1.0615e+01 1.0615e+01 5e-04 2e-04 2e-15 1e-05
6: 1.0615e+01 1.0615e+01 5e-06 2e-06 1e-15 1e-07
7: 1.0615e+01 1.0615e+01 5e-08 2e-08 2e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 9.9701e+00 9.9753e+00 8e+00 3e+00 9e-16 2e-01
2: 1.3962e+01 1.3964e+01 2e+00 6e-01 2e-15 4e-02
3: 1.4843e+01 1.4843e+01 4e-01 1e-01 3e-15 8e-03
4: 1.5083e+01 1.5083e+01 1e-02 3e-03 2e-15 2e-04
5: 1.5089e+01 1.5089e+01 1e-04 3e-05 1e-15 2e-06
6: 1.5089e+01 1.5089e+01 1e-06 3e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 1.0699e+01 1.0705e+01 6e+00 2e+00 4e-16 1e-01
2: 1.4996e+01 1.4998e+01 1e+00 4e-01 2e-15 3e-02
3: 1.5585e+01 1.5585e+01 4e-01 1e-01 2e-15 9e-03
4: 1.5770e+01 1.5770e+01 6e-02 2e-02 1e-15 2e-03
5: 1.5795e+01 1.5795e+01 7e-04 2e-04 2e-15 2e-05
6: 1.5795e+01 1.5795e+01 7e-06 2e-06 2e-15 2e-07

```

7: 1.5795e+01 1.5795e+01 7e-08 2e-08 2e-15 2e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0016e+01	1.0023e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4054e+01	1.4056e+01	2e+00	5e-01	2e-15	3e-02
3:	1.4688e+01	1.4689e+01	3e-01	1e-01	2e-15	8e-03
4:	1.4886e+01	1.4886e+01	1e-02	4e-03	1e-15	3e-04
5:	1.4893e+01	1.4893e+01	1e-04	4e-05	7e-16	3e-06
6:	1.4893e+01	1.4893e+01	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2844e+01	1.2845e+01	4e+00	1e+00	8e-16	1e-01
2:	1.5812e+01	1.5812e+01	3e-01	9e-02	3e-15	7e-03
3:	1.5998e+01	1.5998e+01	3e-03	1e-03	3e-15	8e-05
4:	1.6000e+01	1.6000e+01	3e-05	1e-05	4e-15	8e-07
5:	1.6000e+01	1.6000e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0592e+01	1.0597e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5025e+01	1.5026e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5605e+01	1.5605e+01	2e-01	8e-02	2e-15	6e-03
4:	1.5720e+01	1.5720e+01	2e-02	6e-03	2e-15	5e-04
5:	1.5730e+01	1.5730e+01	2e-04	7e-05	6e-16	5e-06
6:	1.5731e+01	1.5731e+01	2e-06	7e-07	6e-16	5e-08
7:	1.5731e+01	1.5731e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1410e+01	1.1415e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5037e+01	1.5038e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5586e+01	1.5587e+01	5e-01	2e-01	2e-15	1e-02
4:	1.5804e+01	1.5804e+01	1e-01	4e-02	4e-15	3e-03
5:	1.5880e+01	1.5880e+01	2e-03	6e-04	9e-16	5e-05
6:	1.5881e+01	1.5881e+01	2e-05	6e-06	1e-15	5e-07
7:	1.5881e+01	1.5881e+01	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0702e+01	1.0707e+01	7e+00	2e+00	4e-16	1e-01
2:	1.5272e+01	1.5274e+01	1e+00	3e-01	2e-15	3e-02
3:	1.5713e+01	1.5713e+01	2e-01	7e-02	6e-15	5e-03
4:	1.5828e+01	1.5829e+01	3e-02	1e-02	2e-15	9e-04
5:	1.5842e+01	1.5842e+01	4e-04	1e-04	3e-15	1e-05
6:	1.5842e+01	1.5842e+01	4e-06	1e-06	2e-15	1e-07
7:	1.5842e+01	1.5842e+01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.8747e+00	9.8837e+00	7e+00	2e+00	3e-16	2e-01
2:	1.4709e+01	1.4712e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5401e+01	1.5401e+01	1e-01	3e-02	1e-15	2e-03
4:	1.5452e+01	1.5452e+01	4e-03	1e-03	8e-15	9e-05
5:	1.5455e+01	1.5455e+01	4e-05	1e-05	2e-15	9e-07
6:	1.5455e+01	1.5455e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1539e+01	1.1543e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5380e+01	1.5381e+01	9e-01	3e-01	2e-15	2e-02
3:	1.5796e+01	1.5796e+01	2e-01	5e-02	5e-15	4e-03
4:	1.5881e+01	1.5881e+01	2e-02	5e-03	3e-15	4e-04
5:	1.5889e+01	1.5889e+01	3e-04	9e-05	1e-14	7e-06
6:	1.5890e+01	1.5890e+01	3e-06	9e-07	6e-15	7e-08
7:	1.5890e+01	1.5890e+01	3e-08	9e-09	5e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1496e+01	1.1500e+01	6e+00	2e+00	5e-16	1e-01
2:	1.5558e+01	1.5558e+01	8e-01	2e-01	2e-15	2e-02
3:	1.5993e+01	1.5993e+01	1e-02	4e-03	2e-15	3e-04
4:	1.6000e+01	1.6000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.6000e+01	1.6000e+01	1e-06	4e-07	1e-15	3e-08
6:	1.6000e+01	1.6000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1191e+01	1.1194e+01	6e+00	2e+00	1e-15	1e-01
2:	1.4413e+01	1.4414e+01	2e+00	5e-01	3e-15	4e-02
3:	1.5191e+01	1.5192e+01	3e-01	9e-02	2e-15	7e-03
4:	1.5371e+01	1.5371e+01	9e-03	3e-03	2e-15	2e-04
5:	1.5377e+01	1.5377e+01	9e-05	3e-05	2e-15	2e-06
6:	1.5377e+01	1.5377e+01	9e-07	3e-07	2e-15	2e-08
7:	1.5377e+01	1.5377e+01	9e-09	3e-09	6e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7752e+00	9.7827e+00	8e+00	2e+00	3e-16	2e-01
2:	1.4317e+01	1.4319e+01	2e+00	5e-01	1e-15	3e-02
3:	1.4969e+01	1.4970e+01	4e-01	1e-01	8e-16	8e-03
4:	1.5168e+01	1.5168e+01	5e-02	1e-02	5e-15	1e-03
5:	1.5195e+01	1.5195e+01	6e-04	2e-04	1e-14	1e-05
6:	1.5196e+01	1.5196e+01	6e-06	2e-06	1e-14	1e-07
7:	1.5196e+01	1.5196e+01	6e-08	2e-08	9e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.7446e+00	8.7555e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2733e+01	1.2736e+01	2e+00	5e-01	1e-15	4e-02
3:	1.3544e+01	1.3544e+01	4e-01	1e-01	1e-15	9e-03
4:	1.3658e+01	1.3659e+01	2e-01	6e-02	4e-15	4e-03
5:	1.3763e+01	1.3763e+01	4e-03	1e-03	7e-16	1e-04
6:	1.3766e+01	1.3766e+01	4e-05	1e-05	6e-16	1e-06
7:	1.3766e+01	1.3766e+01	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0986e+01	1.0991e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5524e+01	1.5526e+01	9e-01	3e-01	1e-15	2e-02
3:	1.5940e+01	1.5940e+01	1e-01	4e-02	4e-15	3e-03
4:	1.5999e+01	1.5999e+01	2e-03	6e-04	6e-15	5e-05
5:	1.6000e+01	1.6000e+01	2e-05	6e-06	3e-15	5e-07
6:	1.6000e+01	1.6000e+01	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1059e+01	1.1066e+01	6e+00	2e+00	5e-16	1e-01
2:	1.3956e+01	1.3959e+01	2e+00	7e-01	1e-15	5e-02
3:	1.5188e+01	1.5189e+01	4e-01	1e-01	1e-15	9e-03
4:	1.5469e+01	1.5469e+01	6e-03	2e-03	1e-15	1e-04
5:	1.5473e+01	1.5473e+01	6e-05	2e-05	9e-16	1e-06
6:	1.5473e+01	1.5473e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0726e+01	1.0732e+01	7e+00	2e+00	4e-16	1e-01
2:	1.4671e+01	1.4673e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5309e+01	1.5309e+01	3e-01	1e-01	3e-15	7e-03
4:	1.5473e+01	1.5473e+01	4e-02	1e-02	4e-15	1e-03
5:	1.5498e+01	1.5498e+01	4e-04	1e-04	7e-16	1e-05
6:	1.5498e+01	1.5498e+01	4e-06	1e-06	1e-15	1e-07
7:	1.5498e+01	1.5498e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0250e+01	1.0258e+01	7e+00	2e+00	3e-16	1e-01
2:	1.3796e+01	1.3799e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4718e+01	1.4719e+01	2e-01	7e-02	1e-15	5e-03
4:	1.4826e+01	1.4826e+01	3e-02	1e-02	1e-15	7e-04
5:	1.4842e+01	1.4842e+01	4e-04	1e-04	1e-15	1e-05
6:	1.4842e+01	1.4842e+01	4e-06	1e-06	9e-16	1e-07
7:	1.4842e+01	1.4842e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1508e+01	1.1511e+01	6e+00	2e+00	6e-16	1e-01
2:	1.5591e+01	1.5592e+01	8e-01	3e-01	2e-15	2e-02
3:	1.5981e+01	1.5981e+01	3e-02	1e-02	3e-15	8e-04
4:	1.6000e+01	1.6000e+01	3e-04	1e-04	2e-15	8e-06
5:	1.6000e+01	1.6000e+01	3e-06	1e-06	1e-15	8e-08
6:	1.6000e+01	1.6000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1106e+01	1.1112e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3697e+01	1.3700e+01	2e+00	8e-01	1e-15	6e-02
3:	1.4738e+01	1.4739e+01	6e-01	2e-01	2e-15	1e-02
4:	1.5023e+01	1.5023e+01	7e-02	2e-02	2e-15	2e-03
5:	1.5058e+01	1.5058e+01	1e-02	4e-03	9e-16	3e-04
6:	1.5064e+01	1.5064e+01	3e-04	1e-04	1e-15	8e-06
7:	1.5065e+01	1.5065e+01	3e-06	1e-06	5e-16	8e-08
8:	1.5065e+01	1.5065e+01	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.3039e+00	5.3109e+00	8e+00	2e+00	3e-16	2e-01
2:	9.1125e+00	9.1142e+00	1e+00	4e-01	2e-15	3e-02
3:	9.6925e+00	9.6930e+00	2e-01	7e-02	9e-16	5e-03
4:	9.7757e+00	9.7758e+00	5e-02	2e-02	2e-15	1e-03
5:	9.7951e+00	9.7951e+00	7e-03	2e-03	1e-15	2e-04
6:	9.7982e+00	9.7982e+00	3e-04	1e-04	1e-15	9e-06
7:	9.7984e+00	9.7984e+00	3e-06	1e-06	1e-15	9e-08
8:	9.7984e+00	9.7984e+00	3e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2475e+01	1.2477e+01	5e+00	2e+00	4e-16	1e-01
2:	1.5793e+01	1.5793e+01	3e-01	1e-01	3e-15	8e-03
3:	1.5998e+01	1.5998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.6000e+01	1.6000e+01	4e-05	1e-05	1e-15	9e-07
5:	1.6000e+01	1.6000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1338e+01	1.1344e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4362e+01	1.4364e+01	2e+00	6e-01	2e-15	5e-02
3:	1.5230e+01	1.5231e+01	7e-01	2e-01	2e-15	2e-02
4:	1.5474e+01	1.5475e+01	2e-01	6e-02	5e-15	5e-03
5:	1.5573e+01	1.5573e+01	4e-02	1e-02	1e-14	9e-04
6:	1.5586e+01	1.5586e+01	1e-02	4e-03	4e-15	3e-04



7:	1.5591e+01	1.5591e+01	1e-04	5e-05	2e-15	4e-06
8:	1.5591e+01	1.5591e+01	1e-06	5e-07	3e-15	4e-08
9:	1.5591e+01	1.5591e+01	1e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.9875e+00	9.9934e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3179e+01	1.3181e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4046e+01	1.4047e+01	3e-01	1e-01	2e-15	8e-03
4:	1.4196e+01	1.4196e+01	2e-02	6e-03	2e-15	5e-04
5:	1.4206e+01	1.4206e+01	2e-04	6e-05	9e-16	5e-06
6:	1.4206e+01	1.4206e+01	2e-06	6e-07	8e-16	5e-08
7:	1.4206e+01	1.4206e+01	2e-08	6e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6233e+00	8.6306e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2761e+01	1.2763e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3429e+01	1.3429e+01	2e-01	8e-02	2e-15	6e-03
4:	1.3574e+01	1.3574e+01	8e-03	3e-03	1e-15	2e-04
5:	1.3579e+01	1.3579e+01	8e-05	3e-05	8e-16	2e-06
6:	1.3579e+01	1.3579e+01	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0081e+01	1.0090e+01	7e+00	2e+00	4e-16	2e-01
2:	1.3857e+01	1.3861e+01	2e+00	5e-01	2e-15	4e-02
3:	1.4915e+01	1.4916e+01	8e-02	3e-02	1e-15	2e-03
4:	1.4960e+01	1.4960e+01	9e-04	3e-04	1e-15	2e-05
5:	1.4961e+01	1.4961e+01	9e-06	3e-06	1e-15	2e-07
6:	1.4961e+01	1.4961e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.6168e+00	9.6296e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3242e+01	1.3247e+01	2e+00	8e-01	2e-15	5e-02
3:	1.4609e+01	1.4609e+01	3e-01	9e-02	1e-15	6e-03
4:	1.4741e+01	1.4741e+01	3e-02	8e-03	1e-15	6e-04
5:	1.4756e+01	1.4756e+01	3e-04	9e-05	8e-16	7e-06
6:	1.4756e+01	1.4756e+01	3e-06	9e-07	1e-15	7e-08
7:	1.4756e+01	1.4756e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0146e+01	1.0154e+01	7e+00	2e+00	6e-16	1e-01
2:	1.3771e+01	1.3773e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4788e+01	1.4789e+01	2e-01	7e-02	2e-15	5e-03
4:	1.4921e+01	1.4921e+01	2e-02	5e-03	1e-15	4e-04

5:	1.4931e+01	1.4931e+01	2e-04	6e-05	2e-15	4e-06
6:	1.4932e+01	1.4932e+01	2e-06	6e-07	1e-15	4e-08
7:	1.4932e+01	1.4932e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0737e+01	1.0745e+01	6e+00	2e+00	2e-15	1e-01
2:	1.3934e+01	1.3938e+01	2e+00	7e-01	3e-15	5e-02
3:	1.4806e+01	1.4807e+01	6e-01	2e-01	3e-15	1e-02
4:	1.5158e+01	1.5158e+01	1e-01	3e-02	2e-15	2e-03
5:	1.5202e+01	1.5202e+01	1e-03	3e-04	1e-15	3e-05
6:	1.5202e+01	1.5202e+01	1e-05	3e-06	1e-15	3e-07
7:	1.5202e+01	1.5202e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2762e+01	1.2765e+01	5e+00	2e+00	8e-16	1e-01
2:	1.6197e+01	1.6197e+01	1e+00	3e-01	3e-15	3e-02
3:	1.6762e+01	1.6763e+01	2e-01	7e-02	6e-15	6e-03
4:	1.6865e+01	1.6865e+01	4e-02	1e-02	1e-14	1e-03
5:	1.6893e+01	1.6893e+01	1e-03	4e-04	1e-15	3e-05
6:	1.6894e+01	1.6894e+01	1e-05	5e-06	1e-15	3e-07
7:	1.6894e+01	1.6894e+01	1e-07	5e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2794e+01	1.2796e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6368e+01	1.6368e+01	8e-01	2e-01	2e-15	2e-02
3:	1.6772e+01	1.6772e+01	3e-01	9e-02	4e-15	7e-03
4:	1.6846e+01	1.6846e+01	1e-01	3e-02	1e-14	2e-03
5:	1.6901e+01	1.6901e+01	1e-02	4e-03	2e-15	3e-04
6:	1.6906e+01	1.6906e+01	1e-04	4e-05	4e-15	3e-06
7:	1.6906e+01	1.6906e+01	1e-06	4e-07	3e-15	3e-08
8:	1.6906e+01	1.6906e+01	1e-08	4e-09	3e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1418e+01	1.1425e+01	7e+00	2e+00	3e-16	1e-01
2:	1.5283e+01	1.5285e+01	1e+00	4e-01	2e-15	3e-02
3:	1.6163e+01	1.6164e+01	1e-01	4e-02	1e-15	3e-03
4:	1.6214e+01	1.6214e+01	1e-03	4e-04	1e-15	3e-05
5:	1.6214e+01	1.6214e+01	1e-05	4e-06	7e-16	3e-07
6:	1.6214e+01	1.6214e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0456e+01	1.0464e+01	7e+00	2e+00	3e-16	1e-01
2:	1.3703e+01	1.3707e+01	2e+00	6e-01	1e-15	5e-02

3:	1.4762e+01	1.4763e+01	4e-01	1e-01	9e-16	1e-02
4:	1.4928e+01	1.4928e+01	1e-01	4e-02	6e-15	3e-03
5:	1.4985e+01	1.4985e+01	1e-02	4e-03	1e-15	3e-04
6:	1.4992e+01	1.4992e+01	2e-04	5e-05	3e-15	4e-06
7:	1.4992e+01	1.4992e+01	2e-06	5e-07	3e-15	4e-08
8:	1.4992e+01	1.4992e+01	2e-08	5e-09	3e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0932e+01	1.0941e+01	7e+00	2e+00	5e-16	2e-01
2:	1.6093e+01	1.6095e+01	1e+00	3e-01	3e-15	2e-02
3:	1.6661e+01	1.6661e+01	6e-02	2e-02	1e-15	1e-03
4:	1.6688e+01	1.6688e+01	1e-02	4e-03	4e-14	3e-04
5:	1.6696e+01	1.6696e+01	2e-04	8e-05	2e-15	6e-06
6:	1.6696e+01	1.6696e+01	2e-06	8e-07	1e-14	6e-08
7:	1.6696e+01	1.6696e+01	2e-08	8e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0422e+01	1.0430e+01	8e+00	3e+00	6e-16	2e-01
2:	1.4852e+01	1.4855e+01	2e+00	7e-01	2e-15	5e-02
3:	1.5487e+01	1.5488e+01	7e-01	2e-01	2e-15	2e-02
4:	1.5844e+01	1.5844e+01	9e-02	3e-02	9e-16	2e-03
5:	1.5880e+01	1.5880e+01	6e-03	2e-03	1e-15	1e-04
6:	1.5883e+01	1.5883e+01	7e-05	2e-05	8e-16	2e-06
7:	1.5883e+01	1.5883e+01	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0358e+01	1.0365e+01	8e+00	3e+00	4e-16	2e-01
2:	1.4631e+01	1.4633e+01	2e+00	5e-01	1e-15	4e-02
3:	1.5483e+01	1.5483e+01	3e-01	1e-01	1e-15	7e-03
4:	1.5610e+01	1.5610e+01	5e-02	2e-02	1e-15	1e-03
5:	1.5637e+01	1.5637e+01	1e-03	4e-04	8e-16	3e-05
6:	1.5638e+01	1.5638e+01	1e-05	4e-06	7e-16	3e-07
7:	1.5638e+01	1.5638e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0428e+01	1.0441e+01	7e+00	2e+00	5e-16	2e-01
2:	1.5364e+01	1.5369e+01	2e+00	6e-01	2e-15	4e-02
3:	1.6018e+01	1.6020e+01	6e-01	2e-01	2e-15	1e-02
4:	1.6368e+01	1.6368e+01	5e-02	2e-02	1e-15	1e-03
5:	1.6397e+01	1.6397e+01	5e-04	2e-04	8e-16	1e-05
6:	1.6397e+01	1.6397e+01	5e-06	2e-06	9e-16	1e-07
7:	1.6397e+01	1.6397e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1524e+01	1.1531e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5556e+01	1.5558e+01	1e+00	5e-01	3e-15	3e-02
3:	1.6316e+01	1.6316e+01	2e-01	6e-02	4e-15	4e-03
4:	1.6379e+01	1.6379e+01	4e-02	1e-02	7e-15	9e-04
5:	1.6400e+01	1.6400e+01	3e-03	1e-03	9e-16	8e-05
6:	1.6402e+01	1.6402e+01	3e-05	1e-05	2e-15	8e-07
7:	1.6402e+01	1.6402e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1606e+01	1.1612e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4394e+01	1.4396e+01	2e+00	7e-01	2e-15	5e-02
3:	1.5648e+01	1.5649e+01	2e-01	7e-02	2e-15	6e-03
4:	1.5777e+01	1.5777e+01	5e-03	1e-03	2e-15	1e-04
5:	1.5780e+01	1.5780e+01	5e-05	1e-05	8e-16	1e-06
6:	1.5780e+01	1.5780e+01	5e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1587e+01	1.1593e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4539e+01	1.4541e+01	2e+00	6e-01	2e-15	4e-02
3:	1.5513e+01	1.5513e+01	4e-01	1e-01	1e-15	9e-03
4:	1.5761e+01	1.5761e+01	2e-02	8e-03	1e-15	6e-04
5:	1.5777e+01	1.5777e+01	3e-04	8e-05	9e-16	6e-06
6:	1.5778e+01	1.5778e+01	3e-06	8e-07	8e-16	6e-08
7:	1.5778e+01	1.5778e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.8564e+00	9.8627e+00	8e+00	2e+00	3e-16	2e-01
2:	1.4671e+01	1.4673e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5169e+01	1.5170e+01	3e-01	1e-01	3e-15	8e-03
4:	1.5361e+01	1.5361e+01	3e-02	1e-02	8e-16	8e-04
5:	1.5375e+01	1.5375e+01	3e-04	1e-04	1e-15	8e-06
6:	1.5375e+01	1.5375e+01	3e-06	1e-06	1e-15	8e-08
7:	1.5375e+01	1.5375e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2269e+01	1.2273e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5555e+01	1.5556e+01	2e+00	5e-01	2e-15	4e-02
3:	1.6463e+01	1.6463e+01	3e-01	9e-02	3e-15	7e-03
4:	1.6627e+01	1.6627e+01	2e-02	7e-03	7e-15	5e-04
5:	1.6640e+01	1.6640e+01	2e-03	6e-04	1e-15	4e-05
6:	1.6641e+01	1.6641e+01	2e-05	8e-06	8e-16	6e-07
7:	1.6641e+01	1.6641e+01	2e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0085e+01	1.0092e+01	8e+00	2e+00	5e-16	2e-01
2:	1.3890e+01	1.3893e+01	2e+00	6e-01	1e-15	4e-02
3:	1.4837e+01	1.4837e+01	2e-01	8e-02	8e-16	6e-03
4:	1.4978e+01	1.4978e+01	9e-03	3e-03	8e-16	2e-04
5:	1.4983e+01	1.4983e+01	9e-05	3e-05	8e-16	2e-06
6:	1.4983e+01	1.4983e+01	9e-07	3e-07	8e-16	2e-08
7:	1.4983e+01	1.4983e+01	9e-09	3e-09	1e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1241e+01	1.1248e+01	7e+00	2e+00	3e-16	1e-01
2:	1.5337e+01	1.5340e+01	2e+00	6e-01	2e-15	4e-02
3:	1.6030e+01	1.6031e+01	6e-01	2e-01	2e-15	1e-02
4:	1.6399e+01	1.6399e+01	8e-02	3e-02	1e-15	2e-03
5:	1.6442e+01	1.6442e+01	1e-03	3e-04	1e-15	3e-05
6:	1.6442e+01	1.6442e+01	1e-05	3e-06	8e-16	3e-07
7:	1.6442e+01	1.6442e+01	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1457e+01	1.1466e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4464e+01	1.4468e+01	2e+00	6e-01	3e-15	4e-02
3:	1.5716e+01	1.5717e+01	4e-01	1e-01	2e-15	8e-03
4:	1.5931e+01	1.5931e+01	5e-02	1e-02	5e-15	1e-03
5:	1.5961e+01	1.5961e+01	5e-04	2e-04	9e-16	1e-05
6:	1.5961e+01	1.5961e+01	5e-06	2e-06	5e-16	1e-07
7:	1.5961e+01	1.5961e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.9719e+00	9.9804e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3833e+01	1.3836e+01	2e+00	6e-01	1e-15	4e-02
3:	1.4934e+01	1.4935e+01	5e-01	2e-01	1e-15	1e-02
4:	1.5156e+01	1.5157e+01	1e-01	3e-02	2e-15	3e-03
5:	1.5220e+01	1.5220e+01	2e-03	5e-04	8e-16	4e-05
6:	1.5220e+01	1.5220e+01	2e-05	5e-06	8e-16	4e-07
7:	1.5220e+01	1.5220e+01	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.9638e+00	9.9719e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3182e+01	1.3186e+01	3e+00	8e-01	9e-16	6e-02
3:	1.4304e+01	1.4305e+01	6e-01	2e-01	9e-16	1e-02
4:	1.4618e+01	1.4618e+01	9e-02	3e-02	1e-15	2e-03
5:	1.4675e+01	1.4675e+01	1e-03	4e-04	9e-16	3e-05
6:	1.4676e+01	1.4676e+01	1e-05	4e-06	7e-16	3e-07

```

7: 1.4676e+01 1.4676e+01 1e-07 4e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 1.1490e+01 1.1496e+01 7e+00 2e+00 5e-16 1e-01
2: 1.5215e+01 1.5216e+01 1e+00 3e-01 2e-15 2e-02
3: 1.5960e+01 1.5960e+01 1e-01 3e-02 2e-15 2e-03
4: 1.6020e+01 1.6020e+01 1e-03 3e-04 8e-16 3e-05
5: 1.6020e+01 1.6020e+01 1e-05 3e-06 8e-16 3e-07
6: 1.6020e+01 1.6020e+01 1e-07 3e-08 9e-16 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 1.0594e+01 1.0602e+01 6e+00 2e+00 3e-16 1e-01
2: 1.3554e+01 1.3557e+01 2e+00 6e-01 2e-15 4e-02
3: 1.4588e+01 1.4589e+01 3e-01 1e-01 1e-15 7e-03
4: 1.4762e+01 1.4762e+01 8e-03 3e-03 1e-15 2e-04
5: 1.4766e+01 1.4766e+01 8e-05 3e-05 1e-15 2e-06
6: 1.4766e+01 1.4766e+01 8e-07 3e-07 9e-16 2e-08
7: 1.4766e+01 1.4766e+01 8e-09 3e-09 4e-15 2e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2128e+01 1.2131e+01 6e+00 2e+00 4e-16 1e-01
2: 1.6525e+01 1.6526e+01 8e-01 3e-01 2e-15 2e-02
3: 1.6980e+01 1.6980e+01 3e-02 1e-02 3e-15 8e-04
4: 1.7000e+01 1.7000e+01 3e-04 1e-04 1e-15 8e-06
5: 1.7000e+01 1.7000e+01 3e-06 1e-06 1e-15 8e-08
6: 1.7000e+01 1.7000e+01 3e-08 1e-08 2e-15 8e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 1.0249e+01 1.0259e+01 7e+00 2e+00 5e-16 2e-01
2: 1.3931e+01 1.3934e+01 2e+00 6e-01 2e-15 4e-02
3: 1.4917e+01 1.4918e+01 4e-01 1e-01 1e-15 1e-02
4: 1.5151e+01 1.5151e+01 4e-02 1e-02 2e-15 1e-03
5: 1.5175e+01 1.5175e+01 4e-04 1e-04 8e-16 1e-05
6: 1.5176e+01 1.5176e+01 4e-06 1e-06 8e-16 1e-07
7: 1.5176e+01 1.5176e+01 4e-08 1e-08 8e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2778e+01 1.2780e+01 5e+00 2e+00 5e-16 1e-01
2: 1.6499e+01 1.6499e+01 8e-01 3e-01 2e-15 2e-02
3: 1.6948e+01 1.6949e+01 1e-01 3e-02 2e-15 2e-03
4: 1.6995e+01 1.6995e+01 8e-03 3e-03 3e-14 2e-04
5: 1.7000e+01 1.7000e+01 8e-05 3e-05 3e-15 2e-06
6: 1.7000e+01 1.7000e+01 8e-07 3e-07 2e-15 2e-08

```

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0036e+01	1.0046e+01	8e+00	3e+00	3e-16	2e-01
2:	1.5169e+01	1.5172e+01	2e+00	5e-01	1e-15	3e-02
3:	1.5746e+01	1.5747e+01	4e-01	1e-01	2e-15	9e-03
4:	1.5973e+01	1.5973e+01	4e-02	1e-02	1e-15	8e-04
5:	1.5996e+01	1.5996e+01	4e-04	1e-04	7e-16	8e-06
6:	1.5996e+01	1.5996e+01	4e-06	1e-06	8e-16	8e-08
7:	1.5996e+01	1.5996e+01	4e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2187e+01	1.2190e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6281e+01	1.6282e+01	1e+00	3e-01	2e-15	2e-02
3:	1.6659e+01	1.6659e+01	3e-01	8e-02	4e-15	6e-03
4:	1.6792e+01	1.6792e+01	5e-02	1e-02	2e-15	1e-03
5:	1.6813e+01	1.6813e+01	1e-03	4e-04	4e-15	3e-05
6:	1.6814e+01	1.6814e+01	1e-05	4e-06	1e-15	3e-07
7:	1.6814e+01	1.6814e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.9341e+00	7.9490e+00	8e+00	3e+00	3e-16	2e-01
2:	1.1676e+01	1.1682e+01	2e+00	8e-01	1e-15	5e-02
3:	1.2700e+01	1.2702e+01	7e-01	2e-01	7e-16	2e-02
4:	1.2920e+01	1.2921e+01	2e-01	8e-02	3e-15	6e-03
5:	1.3040e+01	1.3040e+01	2e-02	6e-03	6e-16	5e-04
6:	1.3048e+01	1.3048e+01	2e-04	7e-05	2e-15	5e-06
7:	1.3048e+01	1.3048e+01	2e-06	7e-07	2e-15	5e-08
8:	1.3048e+01	1.3048e+01	2e-08	7e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1534e+01	1.1540e+01	6e+00	2e+00	5e-16	1e-01
2:	1.3979e+01	1.3982e+01	3e+00	9e-01	4e-15	6e-02
3:	1.5054e+01	1.5055e+01	8e-01	2e-01	2e-15	2e-02
4:	1.5516e+01	1.5517e+01	1e-01	4e-02	2e-15	3e-03
5:	1.5562e+01	1.5562e+01	2e-02	6e-03	7e-15	4e-04
6:	1.5572e+01	1.5572e+01	1e-03	3e-04	9e-16	3e-05
7:	1.5572e+01	1.5572e+01	1e-05	3e-06	2e-15	3e-07
8:	1.5572e+01	1.5572e+01	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2697e+01	1.2701e+01	5e+00	2e+00	4e-16	1e-01
2:	1.6241e+01	1.6242e+01	1e+00	3e-01	2e-15	3e-02
3:	1.6845e+01	1.6845e+01	2e-01	6e-02	2e-15	4e-03

4:	1.6936e+01	1.6936e+01	3e-02	1e-02	6e-15	8e-04
5:	1.6956e+01	1.6956e+01	3e-04	1e-04	9e-16	8e-06
6:	1.6956e+01	1.6956e+01	3e-06	1e-06	1e-15	8e-08
7:	1.6956e+01	1.6956e+01	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3362e+01	1.3363e+01	5e+00	1e+00	6e-16	1e-01
2:	1.6556e+01	1.6556e+01	6e-01	2e-01	4e-15	2e-02
3:	1.6973e+01	1.6973e+01	5e-02	1e-02	4e-15	1e-03
4:	1.7000e+01	1.7000e+01	5e-04	2e-04	6e-15	1e-05
5:	1.7000e+01	1.7000e+01	5e-06	2e-06	6e-15	1e-07
6:	1.7000e+01	1.7000e+01	5e-08	2e-08	5e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0300e+01	1.0307e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4593e+01	1.4595e+01	2e+00	5e-01	2e-15	3e-02
3:	1.5353e+01	1.5354e+01	2e-01	8e-02	1e-15	6e-03
4:	1.5466e+01	1.5466e+01	6e-02	2e-02	2e-15	2e-03
5:	1.5497e+01	1.5497e+01	5e-03	1e-03	6e-15	1e-04
6:	1.5500e+01	1.5500e+01	5e-05	1e-05	8e-16	1e-06
7:	1.5500e+01	1.5500e+01	5e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0592e+01	1.0600e+01	8e+00	2e+00	3e-16	2e-01
2:	1.5969e+01	1.5971e+01	1e+00	4e-01	2e-15	3e-02
3:	1.6330e+01	1.6331e+01	3e-01	8e-02	3e-15	6e-03
4:	1.6464e+01	1.6464e+01	3e-02	1e-02	1e-15	8e-04
5:	1.6482e+01	1.6482e+01	4e-04	1e-04	6e-16	1e-05
6:	1.6483e+01	1.6483e+01	4e-06	1e-06	7e-16	1e-07
7:	1.6483e+01	1.6483e+01	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1289e+00	9.1368e+00	9e+00	3e+00	4e-16	2e-01
2:	1.2368e+01	1.2371e+01	3e+00	8e-01	1e-15	6e-02
3:	1.4042e+01	1.4043e+01	2e-01	7e-02	1e-15	6e-03
4:	1.4103e+01	1.4103e+01	4e-02	1e-02	4e-15	1e-03
5:	1.4119e+01	1.4119e+01	1e-03	3e-04	5e-16	3e-05
6:	1.4120e+01	1.4120e+01	1e-05	3e-06	4e-15	3e-07
7:	1.4120e+01	1.4120e+01	1e-07	3e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9341e+00	8.9456e+00	7e+00	2e+00	6e-16	2e-01
2:	1.2520e+01	1.2524e+01	2e+00	6e-01	2e-15	5e-02



3:	1.3732e+01	1.3733e+01	2e-01	6e-02	9e-16	5e-03
4:	1.3823e+01	1.3823e+01	4e-03	1e-03	7e-16	1e-04
5:	1.3825e+01	1.3825e+01	4e-05	1e-05	1e-15	1e-06
6:	1.3825e+01	1.3825e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.1055e+00	9.1125e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3031e+01	1.3034e+01	1e+00	5e-01	1e-15	3e-02
3:	1.3514e+01	1.3515e+01	6e-01	2e-01	1e-15	1e-02
4:	1.3677e+01	1.3677e+01	2e-01	7e-02	1e-15	5e-03
5:	1.3783e+01	1.3783e+01	2e-02	7e-03	6e-16	6e-04
6:	1.3792e+01	1.3792e+01	2e-04	8e-05	2e-15	6e-06
7:	1.3792e+01	1.3792e+01	2e-06	8e-07	1e-15	6e-08
8:	1.3792e+01	1.3792e+01	2e-08	8e-09	2e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0028e+01	1.0035e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4284e+01	1.4285e+01	8e-01	2e-01	3e-15	2e-02
3:	1.4629e+01	1.4629e+01	2e-01	6e-02	2e-15	5e-03
4:	1.4684e+01	1.4684e+01	7e-02	2e-02	1e-14	2e-03
5:	1.4716e+01	1.4716e+01	3e-03	9e-04	9e-16	7e-05
6:	1.4718e+01	1.4718e+01	3e-05	9e-06	2e-15	7e-07
7:	1.4718e+01	1.4718e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3198e+01	1.3200e+01	5e+00	2e+00	5e-16	1e-01
2:	1.6666e+01	1.6666e+01	5e-01	2e-01	2e-15	1e-02
3:	1.6996e+01	1.6996e+01	6e-03	2e-03	3e-15	1e-04
4:	1.7000e+01	1.7000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.7000e+01	1.7000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2734e+01	1.2737e+01	5e+00	2e+00	5e-16	1e-01
2:	1.5909e+01	1.5910e+01	1e+00	5e-01	4e-15	4e-02
3:	1.6658e+01	1.6658e+01	4e-01	1e-01	2e-15	9e-03
4:	1.6833e+01	1.6833e+01	6e-02	2e-02	2e-14	2e-03
5:	1.6860e+01	1.6860e+01	2e-02	7e-03	6e-15	5e-04
6:	1.6871e+01	1.6871e+01	3e-04	8e-05	2e-15	7e-06
7:	1.6871e+01	1.6871e+01	3e-06	8e-07	2e-15	7e-08
8:	1.6871e+01	1.6871e+01	3e-08	8e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8516e+00	9.8558e+00	8e+00	3e+00	3e-16	2e-01

2:	1.3542e+01	1.3544e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4126e+01	1.4126e+01	2e-01	7e-02	8e-16	5e-03
4:	1.4240e+01	1.4240e+01	2e-02	5e-03	7e-16	4e-04
5:	1.4247e+01	1.4247e+01	2e-04	6e-05	1e-15	4e-06
6:	1.4247e+01	1.4247e+01	2e-06	6e-07	1e-15	4e-08
7:	1.4247e+01	1.4247e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.6901e+00	9.7014e+00	8e+00	2e+00	6e-16	2e-01
2:	1.3411e+01	1.3415e+01	2e+00	8e-01	1e-15	5e-02
3:	1.4477e+01	1.4479e+01	8e-01	2e-01	1e-15	2e-02
4:	1.4983e+01	1.4983e+01	7e-02	2e-02	1e-15	2e-03
5:	1.5017e+01	1.5018e+01	3e-03	9e-04	3e-15	7e-05
6:	1.5019e+01	1.5019e+01	3e-05	1e-05	2e-14	7e-07
7:	1.5019e+01	1.5019e+01	3e-07	1e-07	2e-14	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4876e+00	8.5039e+00	8e+00	3e+00	4e-16	2e-01
2:	1.3324e+01	1.3328e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4078e+01	1.4079e+01	2e-01	6e-02	1e-15	4e-03
4:	1.4180e+01	1.4180e+01	5e-02	2e-02	8e-16	1e-03
5:	1.4204e+01	1.4204e+01	3e-03	9e-04	3e-15	7e-05
6:	1.4206e+01	1.4206e+01	3e-05	9e-06	7e-16	7e-07
7:	1.4206e+01	1.4206e+01	3e-07	9e-08	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2677e+01	1.2680e+01	5e+00	2e+00	6e-16	1e-01
2:	1.6618e+01	1.6619e+01	7e-01	2e-01	4e-15	2e-02
3:	1.6975e+01	1.6975e+01	4e-02	1e-02	2e-15	1e-03
4:	1.7000e+01	1.7000e+01	4e-04	1e-04	1e-15	1e-05
5:	1.7000e+01	1.7000e+01	4e-06	1e-06	1e-15	1e-07
6:	1.7000e+01	1.7000e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0017e+01	1.0028e+01	8e+00	3e+00	3e-16	2e-01
2:	1.3514e+01	1.3519e+01	2e+00	7e-01	1e-15	5e-02
3:	1.4452e+01	1.4455e+01	8e-01	2e-01	1e-15	2e-02
4:	1.4865e+01	1.4865e+01	8e-02	3e-02	8e-16	2e-03
5:	1.4889e+01	1.4889e+01	2e-02	7e-03	3e-15	6e-04
6:	1.4900e+01	1.4900e+01	3e-04	8e-05	6e-16	6e-06
7:	1.4900e+01	1.4900e+01	3e-06	8e-07	6e-16	6e-08
8:	1.4900e+01	1.4900e+01	3e-08	8e-09	6e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1405e+01	1.1409e+01	6e+00	2e+00	7e-16	1e-01
2:	1.4000e+01	1.4002e+01	2e+00	6e-01	1e-15	4e-02
3:	1.4894e+01	1.4895e+01	3e-01	8e-02	1e-15	6e-03
4:	1.5018e+01	1.5018e+01	5e-02	1e-02	1e-15	1e-03
5:	1.5046e+01	1.5046e+01	2e-03	8e-04	1e-15	6e-05
6:	1.5047e+01	1.5047e+01	4e-05	1e-05	9e-15	1e-06
7:	1.5047e+01	1.5047e+01	4e-07	1e-07	6e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2123e+01	1.2128e+01	6e+00	2e+00	3e-16	1e-01
2:	1.6433e+01	1.6434e+01	9e-01	3e-01	2e-15	2e-02
3:	1.6899e+01	1.6899e+01	1e-01	5e-02	1e-15	4e-03
4:	1.6964e+01	1.6964e+01	2e-02	5e-03	1e-14	4e-04
5:	1.6972e+01	1.6972e+01	2e-04	5e-05	1e-15	4e-06
6:	1.6973e+01	1.6973e+01	2e-06	5e-07	6e-16	4e-08
7:	1.6973e+01	1.6973e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0616e+01	1.0625e+01	7e+00	2e+00	5e-16	1e-01
2:	1.3073e+01	1.3078e+01	2e+00	8e-01	3e-15	6e-02
3:	1.4517e+01	1.4519e+01	6e-01	2e-01	1e-15	2e-02
4:	1.4513e+01	1.4515e+01	6e-01	2e-01	3e-15	1e-02
5:	1.4768e+01	1.4769e+01	5e-02	2e-02	2e-15	1e-03
6:	1.4790e+01	1.4791e+01	6e-03	2e-03	6e-16	2e-04
7:	1.4793e+01	1.4793e+01	6e-05	2e-05	2e-15	2e-06
8:	1.4793e+01	1.4793e+01	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0157e+01	1.0164e+01	8e+00	3e+00	3e-16	2e-01
2:	1.4878e+01	1.4880e+01	1e+00	5e-01	1e-15	3e-02
3:	1.5725e+01	1.5725e+01	1e-01	3e-02	8e-16	2e-03
4:	1.5777e+01	1.5777e+01	1e-03	3e-04	8e-16	2e-05
5:	1.5778e+01	1.5778e+01	1e-05	3e-06	8e-16	2e-07
6:	1.5778e+01	1.5778e+01	1e-07	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.6140e+00	8.6205e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2313e+01	1.2315e+01	2e+00	6e-01	3e-15	4e-02
3:	1.3104e+01	1.3105e+01	8e-01	2e-01	2e-15	2e-02
4:	1.3490e+01	1.3491e+01	1e-01	4e-02	1e-15	3e-03
5:	1.3560e+01	1.3560e+01	3e-03	1e-03	1e-15	8e-05
6:	1.3562e+01	1.3562e+01	3e-05	1e-05	1e-15	8e-07
7:	1.3562e+01	1.3562e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1014e+01	1.1020e+01	7e+00	2e+00	3e-16	2e-01
2:	1.6123e+01	1.6125e+01	1e+00	3e-01	2e-15	2e-02
3:	1.6567e+01	1.6567e+01	2e-01	7e-02	2e-15	5e-03
4:	1.6671e+01	1.6671e+01	4e-02	1e-02	8e-15	9e-04
5:	1.6695e+01	1.6695e+01	5e-04	2e-04	9e-16	1e-05
6:	1.6695e+01	1.6695e+01	5e-06	2e-06	2e-15	1e-07
7:	1.6695e+01	1.6695e+01	5e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1864e+01	1.1869e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4323e+01	1.4325e+01	2e+00	6e-01	3e-15	4e-02
3:	1.5488e+01	1.5489e+01	3e-01	9e-02	3e-15	7e-03
4:	1.5595e+01	1.5595e+01	2e-02	6e-03	2e-15	4e-04
5:	1.5602e+01	1.5602e+01	2e-04	6e-05	4e-15	5e-06
6:	1.5602e+01	1.5602e+01	2e-06	6e-07	3e-15	5e-08
7:	1.5602e+01	1.5602e+01	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6901e+00	8.6995e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2246e+01	1.2250e+01	2e+00	8e-01	1e-15	6e-02
3:	1.3307e+01	1.3308e+01	8e-01	3e-01	3e-15	2e-02
4:	1.3798e+01	1.3798e+01	7e-02	2e-02	8e-16	2e-03
5:	1.3829e+01	1.3829e+01	7e-03	2e-03	5e-15	2e-04
6:	1.3833e+01	1.3833e+01	7e-05	2e-05	8e-16	2e-06
7:	1.3833e+01	1.3833e+01	7e-07	2e-07	5e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3914e+01	1.3916e+01	5e+00	2e+00	5e-16	1e-01
2:	1.7684e+01	1.7684e+01	5e-01	2e-01	3e-15	1e-02
3:	1.7956e+01	1.7956e+01	9e-02	3e-02	2e-15	2e-03
4:	1.7999e+01	1.7999e+01	2e-03	6e-04	4e-15	4e-05
5:	1.8000e+01	1.8000e+01	2e-05	6e-06	2e-15	4e-07
6:	1.8000e+01	1.8000e+01	2e-07	6e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1614e+01	1.1619e+01	7e+00	2e+00	3e-16	2e-01
2:	1.5484e+01	1.5485e+01	1e+00	4e-01	1e-15	3e-02
3:	1.6033e+01	1.6033e+01	2e-01	5e-02	5e-16	4e-03
4:	1.6105e+01	1.6105e+01	3e-02	1e-02	1e-15	7e-04
5:	1.6116e+01	1.6116e+01	3e-03	9e-04	7e-15	7e-05
6:	1.6117e+01	1.6117e+01	3e-05	9e-06	7e-16	7e-07

7: 1.6117e+01 1.6117e+01 3e-07 9e-08 8e-16 7e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4205e+01	1.4206e+01	5e+00	1e+00	5e-16	1e-01
2:	1.7153e+01	1.7154e+01	1e+00	3e-01	3e-15	2e-02
3:	1.7901e+01	1.7901e+01	1e-01	4e-02	2e-15	3e-03
4:	1.7968e+01	1.7968e+01	4e-02	1e-02	6e-14	9e-04
5:	1.7980e+01	1.7980e+01	1e-02	3e-03	3e-14	3e-04
6:	1.7986e+01	1.7986e+01	3e-04	1e-04	1e-15	9e-06
7:	1.7986e+01	1.7986e+01	3e-06	1e-06	1e-14	9e-08
8:	1.7986e+01	1.7986e+01	3e-08	1e-08	1e-14	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1264e+01	1.1271e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4790e+01	1.4793e+01	1e+00	4e-01	3e-15	3e-02
3:	1.5214e+01	1.5215e+01	5e-01	2e-01	2e-15	1e-02
4:	1.5423e+01	1.5424e+01	7e-02	2e-02	7e-16	2e-03
5:	1.5456e+01	1.5456e+01	6e-03	2e-03	1e-15	1e-04
6:	1.5459e+01	1.5459e+01	6e-05	2e-05	1e-15	1e-06
7:	1.5459e+01	1.5459e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1669e+01	1.1676e+01	7e+00	2e+00	5e-16	1e-01
2:	1.4613e+01	1.4617e+01	3e+00	8e-01	2e-15	6e-02
3:	1.6105e+01	1.6105e+01	2e-01	7e-02	1e-15	6e-03
4:	1.6237e+01	1.6237e+01	3e-03	1e-03	1e-15	8e-05
5:	1.6239e+01	1.6239e+01	3e-05	1e-05	1e-15	8e-07
6:	1.6239e+01	1.6239e+01	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2434e+01	1.2441e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4947e+01	1.4952e+01	3e+00	1e+00	2e-15	7e-02
3:	1.5728e+01	1.5730e+01	1e+00	4e-01	2e-15	3e-02
4:	1.6596e+01	1.6597e+01	2e-01	7e-02	1e-15	6e-03
5:	1.6680e+01	1.6680e+01	2e-03	8e-04	6e-16	6e-05
6:	1.6681e+01	1.6681e+01	2e-05	8e-06	7e-16	6e-07
7:	1.6681e+01	1.6681e+01	2e-07	8e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2820e+01	1.2825e+01	6e+00	2e+00	6e-16	1e-01
2:	1.7091e+01	1.7093e+01	1e+00	4e-01	3e-15	3e-02
3:	1.7353e+01	1.7355e+01	7e-01	2e-01	7e-15	2e-02
4:	1.7734e+01	1.7734e+01	8e-02	2e-02	1e-15	2e-03

5:	1.7773e+01	1.7773e+01	1e-03	3e-04	2e-15	2e-05
6:	1.7773e+01	1.7773e+01	1e-05	3e-06	2e-15	2e-07
7:	1.7773e+01	1.7773e+01	1e-07	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2607e+01	1.2612e+01	6e+00	2e+00	7e-16	1e-01
2:	1.6273e+01	1.6274e+01	1e+00	4e-01	3e-15	3e-02
3:	1.6787e+01	1.6788e+01	3e-01	1e-01	3e-15	8e-03
4:	1.6989e+01	1.6989e+01	3e-02	8e-03	2e-15	6e-04
5:	1.7001e+01	1.7001e+01	3e-04	8e-05	7e-16	6e-06
6:	1.7001e+01	1.7001e+01	3e-06	8e-07	1e-15	6e-08
7:	1.7001e+01	1.7001e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2945e+01	1.2949e+01	6e+00	2e+00	6e-16	1e-01
2:	1.7331e+01	1.7332e+01	9e-01	3e-01	2e-15	2e-02
3:	1.7635e+01	1.7635e+01	3e-01	1e-01	5e-15	8e-03
4:	1.7805e+01	1.7806e+01	5e-02	1e-02	1e-15	1e-03
5:	1.7826e+01	1.7826e+01	5e-04	2e-04	1e-15	1e-05
6:	1.7827e+01	1.7827e+01	5e-06	2e-06	2e-15	1e-07
7:	1.7827e+01	1.7827e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.8945e+00	9.9009e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3363e+01	1.3365e+01	2e+00	6e-01	3e-15	4e-02
3:	1.4230e+01	1.4231e+01	7e-01	2e-01	2e-15	2e-02
4:	1.4624e+01	1.4624e+01	3e-02	9e-03	2e-15	7e-04
5:	1.4638e+01	1.4638e+01	3e-04	9e-05	1e-15	7e-06
6:	1.4638e+01	1.4638e+01	3e-06	9e-07	8e-16	7e-08
7:	1.4638e+01	1.4638e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4016e+01	1.4017e+01	5e+00	2e+00	4e-16	1e-01
2:	1.7712e+01	1.7713e+01	4e-01	1e-01	4e-15	1e-02
3:	1.7996e+01	1.7996e+01	5e-03	2e-03	2e-15	1e-04
4:	1.8000e+01	1.8000e+01	5e-05	2e-05	2e-15	1e-06
5:	1.8000e+01	1.8000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0737e+01	1.0746e+01	7e+00	2e+00	5e-16	2e-01
2:	1.4365e+01	1.4367e+01	2e+00	5e-01	3e-15	4e-02
3:	1.5061e+01	1.5062e+01	5e-01	2e-01	2e-15	1e-02
4:	1.5409e+01	1.5409e+01	4e-02	1e-02	1e-15	1e-03

5:	1.5436e+01	1.5436e+01	5e-04	1e-04	1e-15	1e-05
6:	1.5436e+01	1.5436e+01	5e-06	1e-06	1e-15	1e-07
7:	1.5436e+01	1.5436e+01	5e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2521e+01	1.2526e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5947e+01	1.5949e+01	2e+00	5e-01	2e-15	4e-02
3:	1.6683e+01	1.6684e+01	3e-01	1e-01	6e-15	8e-03
4:	1.6885e+01	1.6885e+01	5e-02	2e-02	1e-15	1e-03
5:	1.6905e+01	1.6905e+01	5e-04	2e-04	2e-15	1e-05
6:	1.6905e+01	1.6905e+01	5e-06	2e-06	1e-15	1e-07
7:	1.6905e+01	1.6905e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2542e+01	1.2547e+01	6e+00	2e+00	5e-16	1e-01
2:	1.5915e+01	1.5917e+01	1e+00	5e-01	2e-15	3e-02
3:	1.6814e+01	1.6814e+01	2e-01	5e-02	1e-15	4e-03
4:	1.6920e+01	1.6920e+01	2e-03	6e-04	9e-16	5e-05
5:	1.6921e+01	1.6921e+01	2e-05	6e-06	9e-16	5e-07
6:	1.6921e+01	1.6921e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1292e+01	1.1301e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5250e+01	1.5254e+01	2e+00	5e-01	2e-15	4e-02
3:	1.6010e+01	1.6011e+01	3e-01	8e-02	2e-15	6e-03
4:	1.6159e+01	1.6159e+01	4e-02	1e-02	1e-15	9e-04
5:	1.6177e+01	1.6177e+01	4e-04	1e-04	8e-16	9e-06
6:	1.6177e+01	1.6177e+01	4e-06	1e-06	1e-15	9e-08
7:	1.6177e+01	1.6177e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1320e+01	1.1327e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4018e+01	1.4021e+01	2e+00	6e-01	3e-15	5e-02
3:	1.4898e+01	1.4900e+01	8e-01	3e-01	9e-16	2e-02
4:	1.5056e+01	1.5057e+01	5e-01	2e-01	2e-15	1e-02
5:	1.5332e+01	1.5332e+01	1e-02	4e-03	7e-16	3e-04
6:	1.5339e+01	1.5339e+01	1e-04	4e-05	5e-16	3e-06
7:	1.5339e+01	1.5339e+01	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2176e+01	1.2183e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5204e+01	1.5205e+01	1e+00	5e-01	3e-15	3e-02
3:	1.6164e+01	1.6164e+01	1e-01	4e-02	2e-15	3e-03

4:	1.6247e+01	1.6247e+01	1e-02	5e-03	2e-15	3e-04
5:	1.6254e+01	1.6254e+01	2e-03	5e-04	8e-16	4e-05
6:	1.6255e+01	1.6255e+01	7e-05	2e-05	7e-16	2e-06
7:	1.6255e+01	1.6255e+01	7e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0389e+01	1.0396e+01	8e+00	3e+00	3e-16	2e-01
2:	1.3928e+01	1.3931e+01	2e+00	7e-01	1e-15	5e-02
3:	1.5170e+01	1.5171e+01	4e-01	1e-01	9e-16	8e-03
4:	1.5353e+01	1.5353e+01	2e-02	7e-03	7e-16	5e-04
5:	1.5364e+01	1.5364e+01	2e-04	7e-05	6e-16	5e-06
6:	1.5364e+01	1.5364e+01	2e-06	7e-07	5e-16	5e-08
7:	1.5364e+01	1.5364e+01	2e-08	7e-09	6e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4290e+01	1.4291e+01	5e+00	1e+00	1e-15	1e-01
2:	1.7485e+01	1.7485e+01	7e-01	2e-01	2e-15	2e-02
3:	1.7976e+01	1.7976e+01	3e-02	1e-02	5e-15	8e-04
4:	1.8000e+01	1.8000e+01	3e-04	1e-04	2e-15	8e-06
5:	1.8000e+01	1.8000e+01	3e-06	1e-06	1e-15	8e-08
6:	1.8000e+01	1.8000e+01	3e-08	1e-08	3e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3360e+01	1.3363e+01	5e+00	2e+00	8e-16	1e-01
2:	1.6611e+01	1.6612e+01	1e+00	4e-01	4e-15	3e-02
3:	1.7153e+01	1.7154e+01	5e-01	1e-01	6e-15	1e-02
4:	1.7501e+01	1.7501e+01	3e-02	1e-02	2e-15	8e-04
5:	1.7514e+01	1.7514e+01	3e-04	1e-04	9e-16	8e-06
6:	1.7514e+01	1.7514e+01	3e-06	1e-06	1e-15	8e-08
7:	1.7514e+01	1.7514e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3307e+01	1.3310e+01	6e+00	2e+00	4e-16	1e-01
2:	1.7574e+01	1.7574e+01	7e-01	2e-01	2e-15	2e-02
3:	1.7768e+01	1.7768e+01	2e-01	8e-02	6e-15	6e-03
4:	1.7837e+01	1.7837e+01	7e-02	2e-02	8e-15	2e-03
5:	1.7873e+01	1.7873e+01	7e-03	2e-03	2e-15	2e-04
6:	1.7876e+01	1.7876e+01	7e-05	2e-05	3e-15	2e-06
7:	1.7876e+01	1.7876e+01	7e-07	2e-07	5e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0056e+01	1.0069e+01	7e+00	2e+00	3e-16	2e-01
2:	1.3302e+01	1.3307e+01	2e+00	7e-01	3e-15	5e-02



3:	1.4452e+01	1.4454e+01	6e-01	2e-01	1e-15	1e-02
4:	1.4662e+01	1.4663e+01	2e-01	6e-02	8e-16	5e-03
5:	1.4765e+01	1.4765e+01	3e-03	1e-03	5e-16	8e-05
6:	1.4766e+01	1.4766e+01	3e-05	1e-05	4e-16	8e-07
7:	1.4766e+01	1.4766e+01	3e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0844e+01	1.0857e+01	7e+00	2e+00	4e-16	2e-01
2:	1.3925e+01	1.3931e+01	2e+00	8e-01	2e-15	5e-02
3:	1.4928e+01	1.4930e+01	7e-01	2e-01	2e-15	2e-02
4:	1.5353e+01	1.5353e+01	8e-02	3e-02	1e-15	2e-03
5:	1.5401e+01	1.5401e+01	3e-03	1e-03	1e-15	8e-05
6:	1.5403e+01	1.5403e+01	3e-05	1e-05	1e-15	8e-07
7:	1.5403e+01	1.5403e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2824e+01	1.2829e+01	6e+00	2e+00	7e-16	1e-01
2:	1.4641e+01	1.4645e+01	3e+00	1e+00	2e-15	8e-02
3:	1.5665e+01	1.5667e+01	1e+00	4e-01	3e-15	3e-02
4:	1.6245e+01	1.6246e+01	6e-01	2e-01	2e-15	1e-02
5:	1.6503e+01	1.6503e+01	1e-01	4e-02	1e-15	3e-03
6:	1.6549e+01	1.6549e+01	2e-02	8e-03	3e-15	6e-04
7:	1.6562e+01	1.6562e+01	5e-04	2e-04	1e-15	1e-05
8:	1.6562e+01	1.6562e+01	5e-06	2e-06	2e-15	1e-07
9:	1.6562e+01	1.6562e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2339e+01	1.2345e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5698e+01	1.5700e+01	1e+00	4e-01	2e-15	3e-02
3:	1.6747e+01	1.6747e+01	1e-01	4e-02	2e-15	3e-03
4:	1.6828e+01	1.6828e+01	1e-03	4e-04	1e-15	3e-05
5:	1.6829e+01	1.6829e+01	1e-05	4e-06	2e-15	3e-07
6:	1.6829e+01	1.6829e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1099e+01	1.1104e+01	8e+00	2e+00	5e-16	2e-01
2:	1.4813e+01	1.4815e+01	2e+00	6e-01	1e-15	4e-02
3:	1.5994e+01	1.5995e+01	2e-01	7e-02	1e-15	5e-03
4:	1.6090e+01	1.6090e+01	7e-03	2e-03	6e-16	2e-04
5:	1.6093e+01	1.6093e+01	7e-05	2e-05	2e-15	2e-06
6:	1.6093e+01	1.6093e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	1.0791e+01	1.0803e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4085e+01	1.4091e+01	3e+00	9e-01	1e-15	6e-02
3:	1.5308e+01	1.5311e+01	8e-01	3e-01	1e-15	2e-02
4:	1.5790e+01	1.5790e+01	1e-01	4e-02	1e-15	3e-03
5:	1.5857e+01	1.5857e+01	5e-03	2e-03	3e-15	1e-04
6:	1.5860e+01	1.5860e+01	6e-05	2e-05	1e-15	1e-06
7:	1.5860e+01	1.5860e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3390e+01	1.3392e+01	5e+00	2e+00	6e-16	1e-01
2:	1.6737e+01	1.6738e+01	1e+00	3e-01	4e-15	3e-02
3:	1.7297e+01	1.7298e+01	2e-01	5e-02	2e-15	4e-03
4:	1.7393e+01	1.7393e+01	2e-03	6e-04	1e-15	5e-05
5:	1.7394e+01	1.7394e+01	2e-05	6e-06	1e-15	5e-07
6:	1.7394e+01	1.7394e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.8142e+00	9.8270e+00	9e+00	3e+00	3e-16	2e-01
2:	1.3222e+01	1.3227e+01	3e+00	1e+00	1e-15	7e-02
3:	1.4959e+01	1.4961e+01	9e-01	3e-01	1e-15	2e-02
4:	1.5401e+01	1.5401e+01	1e-01	4e-02	1e-15	3e-03
5:	1.5485e+01	1.5485e+01	5e-03	2e-03	7e-16	1e-04
6:	1.5487e+01	1.5487e+01	6e-05	2e-05	4e-14	1e-06
7:	1.5487e+01	1.5487e+01	6e-07	2e-07	3e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2745e+01	1.2749e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5536e+01	1.5539e+01	2e+00	8e-01	2e-15	6e-02
3:	1.6558e+01	1.6558e+01	6e-01	2e-01	2e-15	1e-02
4:	1.6903e+01	1.6903e+01	1e-01	4e-02	1e-15	3e-03
5:	1.6952e+01	1.6952e+01	4e-02	1e-02	9e-15	1e-03
6:	1.6976e+01	1.6976e+01	8e-04	3e-04	1e-15	2e-05
7:	1.6976e+01	1.6976e+01	8e-06	3e-06	1e-15	2e-07
8:	1.6977e+01	1.6977e+01	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1813e+01	1.1819e+01	7e+00	2e+00	3e-16	1e-01
2:	1.5328e+01	1.5330e+01	2e+00	5e-01	2e-15	4e-02
3:	1.6149e+01	1.6150e+01	5e-01	1e-01	2e-15	1e-02
4:	1.6325e+01	1.6326e+01	1e-01	3e-02	3e-15	3e-03
5:	1.6390e+01	1.6390e+01	3e-03	1e-03	7e-16	9e-05
6:	1.6391e+01	1.6391e+01	3e-05	1e-05	1e-15	9e-07
7:	1.6391e+01	1.6391e+01	3e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.2211e+00	9.2394e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2934e+01	1.2941e+01	2e+00	7e-01	2e-15	4e-02
3:	1.3921e+01	1.3922e+01	3e-01	1e-01	1e-15	7e-03
4:	1.4080e+01	1.4081e+01	9e-02	3e-02	1e-15	2e-03
5:	1.4118e+01	1.4118e+01	2e-02	6e-03	3e-15	4e-04
6:	1.4128e+01	1.4128e+01	2e-04	6e-05	7e-16	5e-06
7:	1.4128e+01	1.4128e+01	2e-06	6e-07	7e-16	5e-08
8:	1.4128e+01	1.4128e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2971e+01	1.2976e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5857e+01	1.5859e+01	2e+00	7e-01	2e-15	6e-02
3:	1.6999e+01	1.7000e+01	5e-01	2e-01	1e-15	1e-02
4:	1.7359e+01	1.7359e+01	8e-03	2e-03	1e-15	2e-04
5:	1.7364e+01	1.7364e+01	8e-05	2e-05	6e-16	2e-06
6:	1.7364e+01	1.7364e+01	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2788e+01	1.2793e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5706e+01	1.5707e+01	1e+00	3e-01	4e-15	2e-02
3:	1.6232e+01	1.6232e+01	2e-01	6e-02	3e-15	4e-03
4:	1.6332e+01	1.6332e+01	6e-02	2e-02	2e-15	1e-03
5:	1.6359e+01	1.6359e+01	9e-03	3e-03	1e-15	2e-04
6:	1.6364e+01	1.6364e+01	1e-04	3e-05	6e-16	2e-06
7:	1.6364e+01	1.6364e+01	1e-06	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2171e+01	1.2178e+01	7e+00	2e+00	4e-16	1e-01
2:	1.5511e+01	1.5513e+01	2e+00	5e-01	3e-15	4e-02
3:	1.6681e+01	1.6682e+01	3e-01	9e-02	2e-15	7e-03
4:	1.6799e+01	1.6799e+01	3e-03	1e-03	6e-16	8e-05
5:	1.6800e+01	1.6800e+01	3e-05	1e-05	7e-16	8e-07
6:	1.6800e+01	1.6800e+01	3e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1450e+01	1.1458e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4866e+01	1.4869e+01	1e+00	5e-01	3e-15	3e-02
3:	1.5700e+01	1.5700e+01	2e-01	6e-02	2e-15	4e-03
4:	1.5829e+01	1.5829e+01	4e-03	1e-03	1e-15	9e-05
5:	1.5831e+01	1.5831e+01	4e-05	1e-05	9e-16	9e-07
6:	1.5831e+01	1.5831e+01	4e-07	1e-07	6e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2010e+01	1.2018e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5847e+01	1.5849e+01	1e+00	5e-01	3e-15	3e-02
3:	1.6856e+01	1.6856e+01	1e-01	3e-02	1e-15	2e-03
4:	1.6922e+01	1.6922e+01	1e-03	3e-04	9e-16	2e-05
5:	1.6922e+01	1.6922e+01	1e-05	3e-06	9e-16	2e-07
6:	1.6922e+01	1.6922e+01	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1160e+01	1.1167e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4288e+01	1.4290e+01	2e+00	6e-01	2e-15	4e-02
3:	1.5295e+01	1.5296e+01	4e-01	1e-01	2e-15	1e-02
4:	1.5543e+01	1.5543e+01	1e-01	3e-02	1e-15	2e-03
5:	1.5609e+01	1.5609e+01	2e-03	5e-04	1e-15	4e-05
6:	1.5610e+01	1.5610e+01	2e-05	5e-06	1e-15	4e-07
7:	1.5610e+01	1.5610e+01	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1874e+01	1.1880e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4594e+01	1.4596e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5684e+01	1.5685e+01	4e-01	1e-01	2e-15	9e-03
4:	1.5821e+01	1.5821e+01	1e-01	4e-02	1e-15	3e-03
5:	1.5869e+01	1.5869e+01	2e-02	7e-03	2e-15	6e-04
6:	1.5879e+01	1.5879e+01	2e-04	8e-05	1e-15	6e-06
7:	1.5880e+01	1.5880e+01	2e-06	8e-07	1e-15	6e-08
8:	1.5880e+01	1.5880e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0475e+01	1.0486e+01	7e+00	2e+00	4e-16	2e-01
2:	1.3780e+01	1.3784e+01	2e+00	5e-01	3e-15	4e-02
3:	1.4399e+01	1.4401e+01	7e-01	2e-01	2e-15	2e-02
4:	1.4582e+01	1.4583e+01	3e-01	8e-02	5e-15	6e-03
5:	1.4676e+01	1.4676e+01	1e-01	4e-02	2e-15	3e-03
6:	1.4725e+01	1.4725e+01	2e-03	6e-04	9e-16	5e-05
7:	1.4726e+01	1.4726e+01	2e-05	6e-06	7e-16	5e-07
8:	1.4726e+01	1.4726e+01	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.6510e+00	9.6625e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3175e+01	1.3180e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4230e+01	1.4231e+01	5e-01	2e-01	2e-15	1e-02
4:	1.4475e+01	1.4475e+01	1e-01	3e-02	9e-16	2e-03
5:	1.4528e+01	1.4528e+01	2e-03	7e-04	1e-15	5e-05

6:	1.4529e+01	1.4529e+01	2e-05	7e-06	8e-16	5e-07
7:	1.4529e+01	1.4529e+01	2e-07	7e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1993e+01	1.1999e+01	6e+00	2e+00	5e-16	1e-01
2:	1.5179e+01	1.5181e+01	2e+00	6e-01	3e-15	5e-02
3:	1.6499e+01	1.6499e+01	2e-01	7e-02	2e-15	5e-03
4:	1.6635e+01	1.6635e+01	2e-03	8e-04	9e-16	6e-05
5:	1.6637e+01	1.6637e+01	2e-05	8e-06	1e-15	6e-07
6:	1.6637e+01	1.6637e+01	2e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1536e+01	1.1545e+01	7e+00	2e+00	4e-16	1e-01
2:	1.5380e+01	1.5382e+01	1e+00	5e-01	3e-15	3e-02
3:	1.6480e+01	1.6480e+01	6e-02	2e-02	2e-15	1e-03
4:	1.6512e+01	1.6512e+01	1e-02	3e-03	6e-14	2e-04
5:	1.6517e+01	1.6517e+01	9e-04	3e-04	1e-13	2e-05
6:	1.6517e+01	1.6517e+01	1e-04	4e-05	2e-14	3e-06
7:	1.6517e+01	1.6517e+01	1e-06	4e-07	4e-14	3e-08
8:	1.6517e+01	1.6517e+01	1e-08	4e-09	4e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2576e+01	1.2580e+01	6e+00	2e+00	4e-16	1e-01
2:	1.7683e+01	1.7683e+01	6e-01	2e-01	3e-15	1e-02
3:	1.7811e+01	1.7811e+01	3e-01	8e-02	9e-15	6e-03
4:	1.7917e+01	1.7917e+01	6e-02	2e-02	4e-15	1e-03
5:	1.7949e+01	1.7949e+01	1e-03	4e-04	7e-16	3e-05
6:	1.7949e+01	1.7949e+01	1e-05	4e-06	2e-15	3e-07
7:	1.7949e+01	1.7949e+01	1e-07	4e-08	4e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0588e+01	1.0600e+01	8e+00	2e+00	6e-16	2e-01
2:	1.3552e+01	1.3556e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4806e+01	1.4807e+01	3e-01	8e-02	1e-15	6e-03
4:	1.4947e+01	1.4947e+01	4e-02	1e-02	8e-16	9e-04
5:	1.4973e+01	1.4973e+01	2e-03	8e-04	1e-15	6e-05
6:	1.4974e+01	1.4974e+01	9e-04	3e-04	4e-14	2e-05
7:	1.4974e+01	1.4974e+01	1e-05	3e-06	1e-15	2e-07
8:	1.4974e+01	1.4974e+01	1e-07	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2242e+01	1.2246e+01	7e+00	2e+00	5e-16	2e-01
2:	1.7863e+01	1.7864e+01	3e-01	1e-01	2e-15	8e-03

3:	1.7980e+01	1.7981e+01	5e-02	2e-02	5e-15	1e-03
4:	1.7992e+01	1.7992e+01	2e-02	5e-03	2e-14	4e-04
5:	1.7995e+01	1.7995e+01	4e-03	1e-03	1e-13	9e-05
6:	1.7996e+01	1.7996e+01	3e-04	1e-04	1e-14	8e-06
7:	1.7996e+01	1.7996e+01	3e-06	1e-06	7e-14	8e-08
8:	1.7996e+01	1.7996e+01	3e-08	1e-08	6e-14	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0893e+01	1.0902e+01	7e+00	2e+00	3e-16	2e-01
2:	1.4552e+01	1.4554e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5469e+01	1.5469e+01	8e-02	2e-02	2e-15	2e-03
4:	1.5511e+01	1.5511e+01	8e-04	3e-04	2e-15	2e-05
5:	1.5511e+01	1.5511e+01	8e-06	3e-06	1e-15	2e-07
6:	1.5511e+01	1.5511e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3434e+01	1.3437e+01	5e+00	2e+00	5e-16	1e-01
2:	1.6867e+01	1.6868e+01	1e+00	5e-01	2e-15	4e-02
3:	1.7699e+01	1.7699e+01	2e-01	7e-02	3e-15	5e-03
4:	1.7808e+01	1.7808e+01	4e-02	1e-02	6e-15	1e-03
5:	1.7835e+01	1.7835e+01	4e-04	1e-04	2e-15	1e-05
6:	1.7835e+01	1.7835e+01	4e-06	1e-06	8e-16	1e-07
7:	1.7835e+01	1.7835e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1962e+01	1.1968e+01	7e+00	2e+00	6e-16	1e-01
2:	1.5606e+01	1.5609e+01	2e+00	7e-01	2e-15	5e-02
3:	1.6689e+01	1.6689e+01	4e-01	1e-01	1e-15	1e-02
4:	1.6881e+01	1.6881e+01	1e-01	3e-02	3e-15	2e-03
5:	1.6944e+01	1.6944e+01	2e-03	5e-04	1e-15	4e-05
6:	1.6945e+01	1.6945e+01	2e-05	5e-06	1e-15	4e-07
7:	1.6945e+01	1.6945e+01	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0615e+01	1.0624e+01	7e+00	2e+00	3e-16	2e-01
2:	1.3626e+01	1.3629e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4548e+01	1.4549e+01	4e-01	1e-01	2e-15	9e-03
4:	1.4792e+01	1.4792e+01	4e-02	1e-02	1e-15	1e-03
5:	1.4814e+01	1.4814e+01	7e-04	2e-04	9e-16	2e-05
6:	1.4814e+01	1.4814e+01	7e-06	2e-06	9e-16	2e-07
7:	1.4814e+01	1.4814e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	6.9269e-01	6.8978e-01	5e+00	2e+00	3e-16	2e-01
2:	9.9563e-01	9.9545e-01	1e-01	4e-02	3e-15	4e-03
3:	9.9996e-01	9.9995e-01	1e-03	4e-04	3e-16	4e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	4e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0448e-01	8.0383e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9805e-01	9.9804e-01	5e-02	2e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	9e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9517e-01	7.9425e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9796e-01	9.9794e-01	6e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2248e-01	8.2242e-01	4e+00	1e+00	6e-16	9e-02
2:	9.9822e-01	9.9822e-01	4e-02	1e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	7e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	8e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0949e-01	8.0900e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9810e-01	9.9809e-01	5e-02	2e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2228e-01	8.2221e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9822e-01	9.9822e-01	4e-02	1e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	1e-15	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.9949e-01	7.9870e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9800e-01	9.9799e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9788e-01	7.9703e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9798e-01	9.9797e-01	5e-02	2e-02	9e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1932e-01	8.1915e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9819e-01	9.9819e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1540e-01	8.1510e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9815e-01	9.9815e-01	5e-02	1e-02	9e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	9e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2331e-01	8.2328e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9823e-01	9.9823e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2204e-01	8.2196e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9822e-01	9.9822e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00



1:	8.0211e-01	8.0139e-01	4e+00	1e+00	5e-16	1e-01
2:	9.9802e-01	9.9801e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1530e-01	8.1500e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9815e-01	9.9815e-01	5e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	7e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1460e-01	7.1197e-01	5e+00	2e+00	3e-16	1e-01
2:	9.9679e-01	9.9668e-01	1e-01	3e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	3e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	2e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8318e-01	7.8193e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9784e-01	9.9782e-01	6e-02	2e-02	4e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	6e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1795e-01	8.1774e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9818e-01	9.9818e-01	4e-02	1e-02	6e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	8e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1793e-01	8.1772e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9818e-01	9.9818e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.1175e-01	8.1133e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9812e-01	9.9811e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2404e-01	8.2404e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9824e-01	9.9824e-01	4e-02	1e-02	6e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	9e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8234e-01	7.8107e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9783e-01	9.9781e-01	6e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	6e-16	2e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6774e-01	7.6610e-01	5e+00	1e+00	3e-16	1e-01
2:	9.9769e-01	9.9766e-01	7e-02	2e-02	2e-15	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	4e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0766e-01	8.0711e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9808e-01	9.9807e-01	5e-02	2e-02	8e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1581e-01	8.1552e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9816e-01	9.9816e-01	5e-02	1e-02	9e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00

1:	6.9198e-01	6.8906e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9687e-01	9.9669e-01	1e-01	4e-02	2e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	4e-04	2e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1978e-01	8.1962e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9820e-01	9.9820e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2178e-01	8.2170e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9822e-01	9.9822e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2411e-01	8.2411e-01	4e+00	1e+00	4e-16	9e-02
2:	9.9824e-01	9.9824e-01	4e-02	1e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	8e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1710e-01	8.1686e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9817e-01	9.9817e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	9e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2189e-01	8.2181e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9822e-01	9.9822e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	8e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.1412e-01	8.1378e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9814e-01	9.9814e-01	5e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2419e-01	8.2418e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9824e-01	9.9824e-01	4e-02	1e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2409e-01	8.2408e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9824e-01	9.9824e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	8e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9872e-01	7.9790e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9799e-01	9.9798e-01	5e-02	2e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	5e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2089e-01	8.2077e-01	4e+00	1e+00	1e-16	1e-01
2:	9.9821e-01	9.9821e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2290e-01	8.2285e-01	4e+00	1e+00	3e-16	9e-02
2:	9.9823e-01	9.9823e-01	4e-02	1e-02	8e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.1875e-01	8.1856e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9819e-01	9.9819e-01	4e-02	1e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	8e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5324e-01	7.5128e-01	5e+00	2e+00	1e-16	1e-01
2:	9.9756e-01	9.9751e-01	7e-02	2e-02	4e-16	2e-03
3:	9.9998e-01	9.9998e-01	7e-04	2e-04	5e-16	2e-05
4:	1.0000e+00	1.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	1.0000e+00	1.0000e+00	7e-08	2e-08	2e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1010e-01	8.0963e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9810e-01	9.9810e-01	5e-02	2e-02	6e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	2e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	6.3476e-01	6.3145e-01	5e+00	2e+00	2e-16	2e-01
2:	9.9693e-01	9.9631e-01	3e-01	1e-01	4e-15	9e-03
3:	9.9997e-01	9.9996e-01	3e-03	1e-03	4e-16	9e-05
4:	1.0000e+00	1.0000e+00	3e-05	1e-05	4e-16	9e-07
5:	1.0000e+00	1.0000e+00	3e-07	1e-07	6e-16	9e-09
6:	1.0000e+00	1.0000e+00	3e-09	1e-09	4e-16	9e-11

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0684e-01	8.0627e-01	4e+00	1e+00	7e-16	1e-01
2:	9.9807e-01	9.9806e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0397e-01	8.0331e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9804e-01	9.9803e-01	5e-02	2e-02	3e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	2e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9666e-01	7.9578e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9797e-01	9.9796e-01	6e-02	2e-02	5e-16	1e-03
3:	9.9998e-01	9.9998e-01	6e-04	2e-04	2e-16	1e-05
4:	1.0000e+00	1.0000e+00	6e-06	2e-06	2e-16	1e-07
5:	1.0000e+00	1.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2080e-01	8.2069e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9821e-01	9.9821e-01	4e-02	1e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	1e-15	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0873e-01	8.0822e-01	4e+00	1e+00	4e-16	1e-01
2:	9.9809e-01	9.9808e-01	5e-02	2e-02	2e-15	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	2e-04	6e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1451e-01	8.1418e-01	4e+00	1e+00	2e-16	1e-01
2:	9.9815e-01	9.9814e-01	5e-02	1e-02	7e-16	1e-03
3:	9.9998e-01	9.9998e-01	5e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	5e-06	1e-06	5e-16	1e-07
5:	1.0000e+00	1.0000e+00	5e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2325e-01	8.2321e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9823e-01	9.9823e-01	4e-02	1e-02	6e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	8e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2154e-01	7.1901e-01	5e+00	2e+00	5e-16	1e-01
2:	9.9681e-01	9.9672e-01	1e-01	3e-02	1e-15	3e-03
3:	9.9997e-01	9.9997e-01	1e-03	3e-04	5e-16	3e-05
4:	1.0000e+00	1.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	1.0000e+00	1.0000e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1623e-01	8.1596e-01	4e+00	1e+00	3e-16	1e-01
2:	9.9816e-01	9.9816e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	4e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	2e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2281e-01	8.2276e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9823e-01	9.9823e-01	4e-02	1e-02	4e-16	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	2e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6433e+00	1.6434e+00	4e+00	1e+00	3e-16	9e-02
2:	1.9963e+00	1.9963e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6223e+00	1.6224e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9960e+00	1.9960e+00	5e-02	2e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	5e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6464e+00	1.6464e+00	4e+00	1e+00	3e-16	9e-02
2:	1.9965e+00	1.9965e+00	4e-02	1e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5533e+00	1.5519e+00	5e+00	1e+00	1e-15	1e-01
2:	1.9954e+00	1.9954e+00	7e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	1e-15	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	1e-15	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5164e+00	1.5159e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9951e+00	1.9951e+00	9e-02	3e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	9e-04	3e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5787e+00	1.5792e+00	5e+00	1e+00	2e-16	1e-01
2:	1.9945e+00	1.9945e+00	7e-02	2e-02	3e-15	2e-03
3:	1.9999e+00	1.9999e+00	7e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5134e+00	1.5121e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9943e+00	1.9943e+00	1e-01	3e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6436e+00	1.6436e+00	4e+00	1e+00	2e-16	9e-02
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	7e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4334e+00	1.4313e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9917e+00	1.9916e+00	2e-01	5e-02	3e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	5e-04	3e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3241e+00	1.3219e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9894e+00	1.9891e+00	4e-01	1e-01	1e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	2e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	3e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	4e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5498e+00	1.5485e+00	5e+00	1e+00	2e-16	1e-01
2:	1.9953e+00	1.9953e+00	7e-02	2e-02	2e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6234e+00	1.6234e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9962e+00	1.9962e+00	5e-02	2e-02	9e-16	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	5e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	3e+01	1e+01	1e-16	1e+00
1:	1.1890e+00	1.1858e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9910e+00	1.9900e+00	7e-01	2e-01	2e-15	2e-02
3:	1.9999e+00	1.9999e+00	8e-03	2e-03	7e-16	2e-04
4:	2.0000e+00	2.0000e+00	8e-05	2e-05	9e-16	2e-06
5:	2.0000e+00	2.0000e+00	8e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5788e+00	1.5791e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9950e+00	1.9950e+00	7e-02	2e-02	6e-16	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4702e+00	1.4718e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9765e+00	1.9766e+00	4e-01	1e-01	6e-16	1e-02
3:	1.9998e+00	1.9998e+00	4e-03	1e-03	4e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5856e+00	1.5859e+00	5e+00	1e+00	2e-16	1e-01
2:	1.9952e+00	1.9952e+00	6e-02	2e-02	1e-15	2e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2883e+00	1.2862e+00	6e+00	2e+00	4e-16	2e-01
2:	1.9931e+00	1.9927e+00	4e-01	1e-01	2e-15	1e-02
3:	1.9999e+00	1.9999e+00	4e-03	1e-03	6e-16	1e-04
4:	2.0000e+00	2.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	2.0000e+00	2.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5194e+00	1.5192e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9948e+00	1.9948e+00	9e-02	3e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6420e+00	1.6420e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	4e-16	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	5e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6416e+00	1.6417e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9962e+00	1.9962e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	4e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4483e+00	1.4462e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9927e+00	1.9926e+00	1e-01	4e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	4e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6447e+00	1.6448e+00	4e+00	1e+00	2e-16	9e-02
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6156e+00	1.6157e+00	4e+00	1e+00	4e-16	1e-01
2:	1.9959e+00	1.9959e+00	5e-02	2e-02	4e-16	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	3e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6341e+00	1.6341e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9963e+00	1.9963e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5458e+00	1.5458e+00	5e+00	2e+00	9e-16	1e-01
2:	1.9949e+00	1.9949e+00	8e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	8e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	8e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5811e+00	1.5816e+00	5e+00	1e+00	4e-16	1e-01
2:	1.9945e+00	1.9945e+00	7e-02	2e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	7e-04	2e-04	3e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5905e+00	1.5910e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9945e+00	1.9945e+00	7e-02	2e-02	6e-16	2e-03
3:	1.9999e+00	1.9999e+00	7e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5364e+00	1.5356e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9950e+00	1.9949e+00	9e-02	3e-02	6e-16	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5775e+00	1.5775e+00	5e+00	1e+00	3e-16	1e-01
2:	1.9955e+00	1.9955e+00	6e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	9e-16	2e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6458e+00	1.6458e+00	4e+00	1e+00	3e-16	9e-02
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4554e+00	1.4559e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9889e+00	1.9889e+00	2e-01	6e-02	3e-15	5e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	3e-16	5e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	2e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5671e+00	1.5667e+00	5e+00	1e+00	4e-16	1e-01
2:	1.9957e+00	1.9957e+00	7e-02	2e-02	1e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4589e+00	1.4593e+00	6e+00	2e+00	2e-16	1e-01
2:	1.9902e+00	1.9903e+00	2e-01	6e-02	2e-15	4e-03
3:	1.9999e+00	1.9999e+00	2e-03	6e-04	5e-16	4e-05
4:	2.0000e+00	2.0000e+00	2e-05	6e-06	3e-16	4e-07
5:	2.0000e+00	2.0000e+00	2e-07	6e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6407e+00	1.6408e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9963e+00	1.9963e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	4e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6138e+00	1.6138e+00	4e+00	1e+00	6e-16	1e-01
2:	1.9960e+00	1.9960e+00	5e-02	2e-02	9e-16	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	9e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	8e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6075e+00	1.6077e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9956e+00	1.9956e+00	6e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	7e-16	1e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6445e+00	1.6445e+00	4e+00	1e+00	2e-16	9e-02
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	3e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6079e+00	1.6081e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9956e+00	1.9956e+00	6e-02	2e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	6e-04	2e-04	4e-16	1e-05
4:	2.0000e+00	2.0000e+00	6e-06	2e-06	3e-16	1e-07
5:	2.0000e+00	2.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6419e+00	1.6419e+00	4e+00	1e+00	5e-16	1e-01
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	9e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4872e+00	1.4862e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9937e+00	1.9936e+00	1e-01	4e-02	2e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5499e+00	1.5501e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9946e+00	1.9946e+00	8e-02	3e-02	2e-15	2e-03
3:	1.9999e+00	1.9999e+00	8e-04	3e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	8e-06	3e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6349e+00	1.6347e+00	4e+00	1e+00	2e-16	1e-01
2:	1.9963e+00	1.9963e+00	4e-02	1e-02	7e-16	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	8e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	7e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6419e+00	1.6419e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9964e+00	1.9964e+00	4e-02	1e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	8e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	3e-16	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4899e+00	1.4895e+00	6e+00	2e+00	3e-16	1e-01
2:	1.9945e+00	1.9945e+00	1e-01	3e-02	1e-15	3e-03
3:	1.9999e+00	1.9999e+00	1e-03	3e-04	5e-16	3e-05
4:	2.0000e+00	2.0000e+00	1e-05	3e-06	5e-16	3e-07
5:	2.0000e+00	2.0000e+00	1e-07	3e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5506e+00	1.5511e+00	5e+00	2e+00	3e-16	1e-01
2:	1.9936e+00	1.9937e+00	9e-02	3e-02	1e-15	2e-03
3:	1.9999e+00	1.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	2.0000e+00	2.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	2.0000e+00	2.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6246e+00	1.6245e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9962e+00	1.9962e+00	5e-02	2e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	7e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	3e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3981e+00	1.3964e+00	6e+00	2e+00	2e-16	2e-01
2:	1.9902e+00	1.9901e+00	2e-01	7e-02	3e-15	6e-03
3:	1.9999e+00	1.9999e+00	2e-03	7e-04	5e-16	6e-05
4:	2.0000e+00	2.0000e+00	2e-05	7e-06	3e-16	6e-07
5:	2.0000e+00	2.0000e+00	2e-07	7e-08	3e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5570e+00	1.5562e+00	5e+00	2e+00	2e-16	1e-01
2:	1.9953e+00	1.9953e+00	7e-02	2e-02	3e-15	2e-03
3:	2.0000e+00	2.0000e+00	7e-04	2e-04	5e-16	2e-05
4:	2.0000e+00	2.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	2.0000e+00	2.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6403e+00	1.6403e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9963e+00	1.9963e+00	4e-02	1e-02	2e-15	1e-03
3:	2.0000e+00	2.0000e+00	4e-04	1e-04	5e-16	1e-05
4:	2.0000e+00	2.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	2.0000e+00	2.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.6217e+00	1.6220e+00	4e+00	1e+00	3e-16	1e-01
2:	1.9959e+00	1.9959e+00	5e-02	2e-02	1e-15	1e-03
3:	2.0000e+00	2.0000e+00	5e-04	2e-04	6e-16	1e-05
4:	2.0000e+00	2.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	2.0000e+00	2.0000e+00	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3483e+00	2.3482e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9929e+00	2.9929e+00	7e-02	2e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1773e+00	2.1778e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9869e+00	2.9870e+00	2e-01	6e-02	2e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	7e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4243e+00	2.4245e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9936e+00	2.9937e+00	5e-02	2e-02	3e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	8e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	8e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3222e+00	2.3222e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9925e+00	2.9925e+00	8e-02	3e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	8e-04	3e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	8e-06	3e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1640e+00	2.1629e+00	6e+00	2e+00	5e-16	2e-01
2:	2.9886e+00	2.9885e+00	2e-01	6e-02	1e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	7e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2258e+00	2.2257e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9902e+00	2.9902e+00	1e-01	4e-02	2e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	4e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3981e+00	2.3979e+00	4e+00	1e+00	5e-16	1e-01
2:	2.9939e+00	2.9939e+00	6e-02	2e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	6e-16	1e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	5e-16	1e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1567e+00	2.1552e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9895e+00	2.9894e+00	2e-01	6e-02	2e-15	5e-03
3:	2.9999e+00	2.9999e+00	2e-03	6e-04	4e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2844e+00	2.2852e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9708e+00	2.9708e+00	3e-01	9e-02	3e-15	7e-03
3:	2.9997e+00	2.9997e+00	3e-03	9e-04	6e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	1e-15	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3380e+00	2.3388e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9913e+00	2.9913e+00	8e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	8e-04	3e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	8e-06	3e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3705e+00	2.3706e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9928e+00	2.9928e+00	7e-02	2e-02	6e-16	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3317e+00	2.3323e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9862e+00	2.9862e+00	1e-01	4e-02	9e-16	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	3e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1729e+00	2.1714e+00	6e+00	2e+00	4e-16	2e-01
2:	2.9889e+00	2.9889e+00	2e-01	5e-02	3e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	7e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3211e+00	2.3213e+00	5e+00	2e+00	4e-16	1e-01
2:	2.9919e+00	2.9919e+00	9e-02	3e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2431e+00	2.2445e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9795e+00	2.9796e+00	2e-01	7e-02	2e-15	5e-03
3:	2.9998e+00	2.9998e+00	2e-03	7e-04	7e-16	5e-05
4:	3.0000e+00	3.0000e+00	2e-05	7e-06	3e-16	5e-07
5:	3.0000e+00	3.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2695e+00	2.2694e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9918e+00	2.9918e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	1e-03	3e-04	3e-16	2e-05
4:	3.0000e+00	3.0000e+00	1e-05	3e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3724e+00	2.3728e+00	5e+00	1e+00	3e-16	1e-01
2:	2.9927e+00	2.9927e+00	7e-02	2e-02	7e-16	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	5e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4036e+00	2.4039e+00	4e+00	1e+00	2e-16	1e-01
2:	2.9930e+00	2.9930e+00	6e-02	2e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	8e-16	2e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4436e+00	2.4435e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9944e+00	2.9944e+00	5e-02	1e-02	6e-16	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	1e-04	7e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	1e-06	6e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4570e+00	2.4571e+00	4e+00	1e+00	6e-16	1e-01
2:	2.9944e+00	2.9944e+00	4e-02	1e-02	1e-15	1e-03
3:	2.9999e+00	2.9999e+00	4e-04	1e-04	1e-15	1e-05
4:	3.0000e+00	3.0000e+00	4e-06	1e-06	8e-16	1e-07
5:	3.0000e+00	3.0000e+00	4e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4381e+00	2.4383e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9940e+00	2.9940e+00	5e-02	2e-02	1e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	5e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1904e+00	2.1898e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9891e+00	2.9890e+00	2e-01	5e-02	3e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	5e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	3e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3972e+00	2.3974e+00	4e+00	1e+00	2e-16	1e-01
2:	2.9936e+00	2.9936e+00	6e-02	2e-02	1e-15	1e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	7e-16	1e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	6e-16	1e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	4e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2376e+00	2.2374e+00	6e+00	2e+00	7e-16	1e-01
2:	2.9910e+00	2.9910e+00	1e-01	4e-02	6e-16	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	6e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2509e+00	2.2510e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9903e+00	2.9903e+00	1e-01	4e-02	3e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2985e+00	2.2987e+00	5e+00	2e+00	4e-16	1e-01
2:	2.9917e+00	2.9917e+00	9e-02	3e-02	1e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	7e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3760e+00	2.3761e+00	5e+00	1e+00	3e-16	1e-01
2:	2.9934e+00	2.9934e+00	6e-02	2e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	6e-04	2e-04	3e-16	2e-05
4:	3.0000e+00	3.0000e+00	6e-06	2e-06	3e-16	2e-07
5:	3.0000e+00	3.0000e+00	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3136e+00	2.3136e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9923e+00	2.9923e+00	8e-02	3e-02	3e-15	2e-03
3:	2.9999e+00	2.9999e+00	8e-04	3e-04	3e-16	2e-05
4:	3.0000e+00	3.0000e+00	8e-06	3e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4249e+00	2.4251e+00	4e+00	1e+00	2e-16	1e-01
2:	2.9940e+00	2.9940e+00	5e-02	2e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1043e+00	2.1055e+00	6e+00	2e+00	2e-16	2e-01
2:	2.9790e+00	2.9791e+00	3e-01	9e-02	1e-15	7e-03
3:	2.9998e+00	2.9998e+00	3e-03	9e-04	5e-16	7e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4314e+00	2.4314e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9941e+00	2.9941e+00	5e-02	2e-02	7e-16	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	7e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4706e+00	2.4707e+00	4e+00	1e+00	3e-16	9e-02
2:	2.9947e+00	2.9947e+00	4e-02	1e-02	1e-15	1e-03
3:	2.9999e+00	2.9999e+00	4e-04	1e-04	1e-15	1e-05
4:	3.0000e+00	3.0000e+00	4e-06	1e-06	6e-16	1e-07
5:	3.0000e+00	3.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3727e+00	2.3731e+00	5e+00	2e+00	2e-16	1e-01
2:	2.9911e+00	2.9911e+00	8e-02	3e-02	8e-16	2e-03
3:	2.9999e+00	2.9999e+00	8e-04	3e-04	9e-16	2e-05
4:	3.0000e+00	3.0000e+00	8e-06	3e-06	5e-16	2e-07
5:	3.0000e+00	3.0000e+00	8e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4225e+00	2.4228e+00	4e+00	1e+00	4e-16	1e-01
2:	2.9936e+00	2.9936e+00	5e-02	2e-02	1e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	4e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	6e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2735e+00	2.2745e+00	6e+00	2e+00	2e-16	1e-01
2:	2.9874e+00	2.9874e+00	1e-01	4e-02	7e-16	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	4e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	3e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3605e+00	2.3614e+00	5e+00	1e+00	3e-16	1e-01
2:	2.9916e+00	2.9916e+00	7e-02	2e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	6e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4540e+00	2.4541e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9944e+00	2.9944e+00	4e-02	1e-02	1e-15	1e-03
3:	2.9999e+00	2.9999e+00	4e-04	1e-04	8e-16	1e-05
4:	3.0000e+00	3.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	3.0000e+00	3.0000e+00	4e-08	1e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.1236e+00	2.1245e+00	6e+00	2e+00	3e-16	2e-01
2:	2.9697e+00	2.9697e+00	4e-01	1e-01	2e-15	1e-02
3:	2.9997e+00	2.9997e+00	4e-03	1e-03	7e-16	1e-04
4:	3.0000e+00	3.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	3.0000e+00	3.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4205e+00	2.4207e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9940e+00	2.9940e+00	5e-02	2e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	7e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	8e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4140e+00	2.4144e+00	4e+00	1e+00	5e-16	1e-01
2:	2.9934e+00	2.9934e+00	5e-02	2e-02	8e-16	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	6e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	5e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0521e+00	2.0521e+00	7e+00	2e+00	3e-16	2e-01
2:	2.9594e+00	2.9594e+00	6e-01	2e-01	7e-16	1e-02
3:	2.9996e+00	2.9996e+00	6e-03	2e-03	7e-16	2e-04
4:	3.0000e+00	3.0000e+00	6e-05	2e-05	5e-16	2e-06
5:	3.0000e+00	3.0000e+00	6e-07	2e-07	4e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3267e+00	2.3270e+00	5e+00	2e+00	7e-16	1e-01
2:	2.9911e+00	2.9911e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	9e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	1e-15	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2183e+00	2.2184e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9894e+00	2.9894e+00	1e-01	4e-02	1e-15	3e-03
3:	2.9999e+00	2.9999e+00	1e-03	4e-04	7e-16	3e-05
4:	3.0000e+00	3.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	3.0000e+00	3.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.0554e+00	2.0526e+00	5e+00	2e+00	5e-16	2e-01
2:	2.9893e+00	2.9890e+00	3e-01	9e-02	2e-15	8e-03
3:	2.9999e+00	2.9999e+00	3e-03	9e-04	1e-15	8e-05
4:	3.0000e+00	3.0000e+00	3e-05	9e-06	1e-15	8e-07
5:	3.0000e+00	3.0000e+00	3e-07	9e-08	9e-16	8e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4434e+00	2.4435e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9943e+00	2.9943e+00	5e-02	1e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	1e-04	5e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	1e-06	7e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3370e+00	2.3376e+00	5e+00	2e+00	3e-16	1e-01
2:	2.9920e+00	2.9920e+00	7e-02	2e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	7e-04	2e-04	4e-16	2e-05
4:	3.0000e+00	3.0000e+00	7e-06	2e-06	4e-16	2e-07
5:	3.0000e+00	3.0000e+00	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4399e+00	2.4401e+00	4e+00	1e+00	4e-16	1e-01
2:	2.9943e+00	2.9943e+00	5e-02	1e-02	2e-15	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	1e-04	9e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	1e-06	8e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2955e+00	2.2941e+00	5e+00	2e+00	6e-16	1e-01
2:	2.9925e+00	2.9925e+00	9e-02	3e-02	2e-15	2e-03
3:	2.9999e+00	2.9999e+00	9e-04	3e-04	7e-16	2e-05
4:	3.0000e+00	3.0000e+00	9e-06	3e-06	7e-16	2e-07
5:	3.0000e+00	3.0000e+00	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4253e+00	2.4252e+00	4e+00	1e+00	3e-16	1e-01
2:	2.9942e+00	2.9942e+00	5e-02	2e-02	7e-16	1e-03
3:	2.9999e+00	2.9999e+00	5e-04	2e-04	8e-16	1e-05
4:	3.0000e+00	3.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	3.0000e+00	3.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.2677e+00	2.2683e+00	6e+00	2e+00	3e-16	1e-01
2:	2.9853e+00	2.9854e+00	2e-01	5e-02	3e-15	4e-03
3:	2.9999e+00	2.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	3.0000e+00	3.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	3.0000e+00	3.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6653e+00	2.6651e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9737e+00	3.9737e+00	4e-01	1e-01	2e-15	1e-02
3:	3.9997e+00	3.9997e+00	4e-03	1e-03	6e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2232e+00	3.2235e+00	4e+00	1e+00	3e-16	1e-01
2:	3.9916e+00	3.9917e+00	5e-02	2e-02	2e-15	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	2e-04	9e-16	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	2e-06	4e-16	1e-07
5:	4.0000e+00	4.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0561e+00	3.0571e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9725e+00	3.9726e+00	2e-01	6e-02	1e-15	5e-03
3:	3.9997e+00	3.9997e+00	2e-03	6e-04	5e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	1e-15	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2325e+00	3.2327e+00	4e+00	1e+00	4e-16	1e-01
2:	3.9916e+00	3.9916e+00	5e-02	2e-02	2e-15	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	2e-04	9e-16	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	4.0000e+00	4.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1716e+00	3.1724e+00	5e+00	1e+00	4e-16	1e-01
2:	3.9849e+00	3.9850e+00	1e-01	3e-02	3e-15	2e-03
3:	3.9998e+00	3.9998e+00	1e-03	3e-04	1e-15	2e-05
4:	4.0000e+00	4.0000e+00	1e-05	3e-06	1e-15	2e-07
5:	4.0000e+00	4.0000e+00	1e-07	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8831e+00	2.8831e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9856e+00	3.9856e+00	2e-01	6e-02	1e-15	5e-03
3:	3.9999e+00	3.9999e+00	2e-03	6e-04	6e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9262e+00	2.9268e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9790e+00	3.9790e+00	2e-01	6e-02	2e-15	5e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	6e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1532e+00	3.1540e+00	5e+00	2e+00	4e-16	1e-01
2:	3.9849e+00	3.9850e+00	1e-01	3e-02	2e-15	2e-03
3:	3.9998e+00	3.9998e+00	1e-03	3e-04	4e-16	2e-05
4:	4.0000e+00	4.0000e+00	1e-05	3e-06	5e-16	2e-07
5:	4.0000e+00	4.0000e+00	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5226e+00	2.5258e+00	7e+00	2e+00	4e-16	2e-01
2:	3.9294e+00	3.9300e+00	9e-01	3e-01	1e-15	2e-02
3:	3.9992e+00	3.9992e+00	1e-02	3e-03	1e-15	2e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	1e-15	2e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7234e+00	2.7228e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9720e+00	3.9719e+00	4e-01	1e-01	3e-15	9e-03
3:	3.9997e+00	3.9997e+00	4e-03	1e-03	5e-16	1e-04
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	5e-16	1e-06
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7841e+00	2.7861e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9717e+00	3.9718e+00	3e-01	1e-01	2e-15	7e-03
3:	3.9997e+00	3.9997e+00	3e-03	1e-03	7e-16	7e-05
4:	4.0000e+00	4.0000e+00	3e-05	1e-05	5e-16	7e-07
5:	4.0000e+00	4.0000e+00	3e-07	1e-07	5e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9328e+00	2.9331e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9820e+00	3.9820e+00	2e-01	6e-02	2e-15	5e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	5e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8371e+00	2.8379e+00	6e+00	2e+00	2e-16	2e-01
2:	3.9761e+00	3.9761e+00	3e-01	8e-02	3e-15	6e-03
3:	3.9998e+00	3.9998e+00	3e-03	8e-04	5e-16	6e-05
4:	4.0000e+00	4.0000e+00	3e-05	8e-06	4e-16	6e-07
5:	4.0000e+00	4.0000e+00	3e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2570e+00	3.2572e+00	4e+00	1e+00	4e-16	1e-01
2:	3.9922e+00	3.9922e+00	5e-02	1e-02	3e-15	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	1e-04	7e-16	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	1e-06	1e-15	1e-07
5:	4.0000e+00	4.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2523e+00	3.2525e+00	4e+00	1e+00	5e-16	1e-01
2:	3.9919e+00	3.9919e+00	5e-02	2e-02	8e-16	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	2e-06	8e-16	1e-07
5:	4.0000e+00	4.0000e+00	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5106e+00	2.5086e+00	6e+00	2e+00	2e-16	2e-01
2:	3.8463e+00	3.8453e+00	2e+00	5e-01	2e-15	4e-02
3:	3.9980e+00	3.9980e+00	2e-02	6e-03	7e-16	5e-04
4:	4.0000e+00	4.0000e+00	2e-04	6e-05	6e-16	5e-06
5:	4.0000e+00	4.0000e+00	2e-06	6e-07	7e-16	5e-08
6:	4.0000e+00	4.0000e+00	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1317e+00	3.1322e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9899e+00	3.9900e+00	7e-02	2e-02	2e-15	2e-03
3:	3.9999e+00	3.9999e+00	7e-04	2e-04	6e-16	2e-05
4:	4.0000e+00	4.0000e+00	7e-06	2e-06	5e-16	2e-07
5:	4.0000e+00	4.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9298e+00	2.9296e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9865e+00	3.9864e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9999e+00	3.9999e+00	2e-03	5e-04	4e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	3e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2278e+00	3.2282e+00	4e+00	1e+00	2e-16	1e-01
2:	3.9896e+00	3.9896e+00	6e-02	2e-02	8e-16	2e-03
3:	3.9999e+00	3.9999e+00	6e-04	2e-04	8e-16	2e-05
4:	4.0000e+00	4.0000e+00	6e-06	2e-06	7e-16	2e-07
5:	4.0000e+00	4.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.5187e+00	2.5191e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9462e+00	3.9463e+00	8e-01	3e-01	3e-15	2e-02
3:	3.9994e+00	3.9994e+00	8e-03	3e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	8e-05	3e-05	5e-16	2e-06
5:	4.0000e+00	4.0000e+00	8e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.3349e+00	2.3336e+00	6e+00	2e+00	3e-16	2e-01
2:	3.8987e+00	3.8982e+00	1e+00	4e-01	1e-15	3e-02
3:	3.9982e+00	3.9982e+00	2e-02	5e-03	2e-15	4e-04
4:	4.0000e+00	4.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	4.0000e+00	4.0000e+00	2e-06	5e-07	7e-16	4e-08
6:	4.0000e+00	4.0000e+00	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9890e+00	2.9904e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9784e+00	3.9785e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	5e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	5e-08	4e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.7704e+00	2.7718e+00	7e+00	2e+00	2e-16	2e-01
2:	3.9675e+00	3.9676e+00	4e-01	1e-01	2e-15	9e-03
3:	3.9997e+00	3.9997e+00	4e-03	1e-03	4e-16	9e-05
4:	4.0000e+00	4.0000e+00	4e-05	1e-05	6e-16	9e-07
5:	4.0000e+00	4.0000e+00	4e-07	1e-07	4e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9327e+00	2.9344e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9784e+00	3.9785e+00	2e-01	6e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	6e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	5e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0959e+00	3.0968e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9868e+00	3.9868e+00	9e-02	3e-02	4e-15	2e-03
3:	3.9999e+00	3.9999e+00	9e-04	3e-04	8e-16	2e-05
4:	4.0000e+00	4.0000e+00	9e-06	3e-06	7e-16	2e-07
5:	4.0000e+00	4.0000e+00	9e-08	3e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9930e+00	2.9930e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9873e+00	3.9873e+00	1e-01	4e-02	1e-15	3e-03
3:	3.9999e+00	3.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	5e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4706e+00	2.4697e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9132e+00	3.9129e+00	1e+00	4e-01	3e-15	3e-02
3:	3.9990e+00	3.9990e+00	1e-02	4e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	7e-16	3e-08
6:	4.0000e+00	4.0000e+00	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.6130e+00	2.6132e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9300e+00	3.9300e+00	8e-01	3e-01	2e-15	2e-02
3:	3.9993e+00	3.9993e+00	9e-03	3e-03	5e-16	2e-04
4:	4.0000e+00	4.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	4.0000e+00	4.0000e+00	9e-07	3e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1228e+00	3.1239e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9865e+00	3.9865e+00	9e-02	3e-02	2e-15	2e-03
3:	3.9999e+00	3.9999e+00	9e-04	3e-04	9e-16	2e-05
4:	4.0000e+00	4.0000e+00	9e-06	3e-06	6e-16	2e-07
5:	4.0000e+00	4.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9766e+00	2.9773e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9800e+00	3.9801e+00	2e-01	5e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	5e-04	5e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	5e-06	4e-16	4e-07

5: 4.0000e+00 4.0000e+00 2e-07 5e-08 5e-16 4e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4882e+00	2.4892e+00	7e+00	2e+00	3e-16	2e-01
2:	3.8887e+00	3.8890e+00	1e+00	4e-01	2e-15	3e-02
3:	3.9987e+00	3.9987e+00	1e-02	4e-03	1e-15	3e-04
4:	4.0000e+00	4.0000e+00	1e-04	4e-05	9e-16	3e-06
5:	4.0000e+00	4.0000e+00	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8896e+00	2.8895e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9846e+00	3.9846e+00	2e-01	6e-02	1e-15	5e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	5e-16	5e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	4e-16	5e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2934e+00	3.2934e+00	4e+00	1e+00	3e-16	9e-02
2:	3.9929e+00	3.9929e+00	4e-02	1e-02	2e-15	1e-03
3:	3.9999e+00	3.9999e+00	4e-04	1e-04	7e-16	1e-05
4:	4.0000e+00	4.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	4.0000e+00	4.0000e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2421e+00	3.2423e+00	4e+00	1e+00	3e-16	1e-01
2:	3.9919e+00	3.9919e+00	5e-02	2e-02	1e-15	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	2e-04	4e-16	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	4.0000e+00	4.0000e+00	5e-08	2e-08	3e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0219e+00	3.0215e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9889e+00	3.9889e+00	1e-01	3e-02	1e-15	3e-03
3:	3.9999e+00	3.9999e+00	1e-03	3e-04	4e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2448e+00	3.2450e+00	4e+00	1e+00	3e-16	1e-01
2:	3.9921e+00	3.9921e+00	5e-02	2e-02	1e-15	1e-03
3:	3.9999e+00	3.9999e+00	5e-04	2e-04	7e-16	1e-05
4:	4.0000e+00	4.0000e+00	5e-06	2e-06	8e-16	1e-07

5: 4.0000e+00 4.0000e+00 5e-08 2e-08 5e-16 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4809e+00	2.4799e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9382e+00	3.9380e+00	9e-01	3e-01	1e-15	2e-02
3:	3.9993e+00	3.9993e+00	1e-02	3e-03	8e-16	2e-04
4:	4.0000e+00	4.0000e+00	1e-04	3e-05	8e-16	2e-06
5:	4.0000e+00	4.0000e+00	1e-06	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8995e+00	2.9002e+00	6e+00	2e+00	3e-16	2e-01
2:	3.9833e+00	3.9833e+00	2e-01	6e-02	2e-15	4e-03
3:	3.9998e+00	3.9998e+00	2e-03	6e-04	6e-16	4e-05
4:	4.0000e+00	4.0000e+00	2e-05	6e-06	6e-16	4e-07
5:	4.0000e+00	4.0000e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0722e+00	3.0730e+00	5e+00	2e+00	2e-16	1e-01
2:	3.9873e+00	3.9873e+00	9e-02	3e-02	2e-15	2e-03
3:	3.9999e+00	3.9999e+00	9e-04	3e-04	6e-16	2e-05
4:	4.0000e+00	4.0000e+00	9e-06	3e-06	4e-16	2e-07
5:	4.0000e+00	4.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0646e+00	3.0644e+00	5e+00	2e+00	3e-16	1e-01
2:	3.9898e+00	3.9898e+00	9e-02	3e-02	3e-15	2e-03
3:	3.9999e+00	3.9999e+00	9e-04	3e-04	5e-16	2e-05
4:	4.0000e+00	4.0000e+00	9e-06	3e-06	5e-16	2e-07
5:	4.0000e+00	4.0000e+00	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.9610e+00	2.9622e+00	6e+00	2e+00	3e-16	1e-01
2:	3.9722e+00	3.9723e+00	2e-01	7e-02	3e-15	6e-03
3:	3.9997e+00	3.9997e+00	2e-03	7e-04	4e-16	6e-05
4:	4.0000e+00	4.0000e+00	2e-05	7e-06	5e-16	6e-07
5:	4.0000e+00	4.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2392e+00	3.2395e+00	4e+00	1e+00	4e-16	1e-01
2:	3.9910e+00	3.9910e+00	6e-02	2e-02	2e-15	1e-03
3:	3.9999e+00	3.9999e+00	6e-04	2e-04	1e-15	1e-05
4:	4.0000e+00	4.0000e+00	6e-06	2e-06	7e-16	1e-07

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5: 4.0000e+00 4.0000e+00 6e-08 2e-08 9e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.5886e+00 2.5915e+00 7e+00 2e+00 4e-16 2e-01
2: 3.8893e+00 3.8900e+00 1e+00 4e-01 2e-15 3e-02
3: 3.9987e+00 3.9987e+00 1e-02 4e-03 1e-15 3e-04
4: 4.0000e+00 4.0000e+00 1e-04 4e-05 8e-16 3e-06
5: 4.0000e+00 4.0000e+00 1e-06 4e-07 6e-16 3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2906e+00 3.2906e+00 4e+00 1e+00 3e-16 9e-02
2: 3.9928e+00 3.9928e+00 4e-02 1e-02 2e-15 1e-03
3: 3.9999e+00 3.9999e+00 4e-04 1e-04 5e-16 1e-05
4: 4.0000e+00 4.0000e+00 4e-06 1e-06 1e-15 1e-07
5: 4.0000e+00 4.0000e+00 4e-08 1e-08 8e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.1410e+00 3.1416e+00 5e+00 2e+00 3e-16 1e-01
2: 3.9882e+00 3.9882e+00 8e-02 3e-02 1e-15 2e-03
3: 3.9999e+00 3.9999e+00 8e-04 3e-04 6e-16 2e-05
4: 4.0000e+00 4.0000e+00 8e-06 3e-06 4e-16 2e-07
5: 4.0000e+00 4.0000e+00 8e-08 3e-08 4e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 2.6586e+00 2.6599e+00 7e+00 2e+00 3e-16 2e-01
2: 3.9347e+00 3.9349e+00 7e-01 2e-01 1e-15 2e-02
3: 3.9993e+00 3.9993e+00 7e-03 2e-03 6e-16 2e-04
4: 4.0000e+00 4.0000e+00 7e-05 2e-05 7e-16 2e-06
5: 4.0000e+00 4.0000e+00 7e-07 2e-07 8e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2084e+00 3.2089e+00 4e+00 1e+00 3e-16 1e-01
2: 3.9904e+00 3.9904e+00 6e-02 2e-02 2e-15 1e-03
3: 3.9999e+00 3.9999e+00 6e-04 2e-04 6e-16 1e-05
4: 4.0000e+00 4.0000e+00 6e-06 2e-06 8e-16 1e-07
5: 4.0000e+00 4.0000e+00 6e-08 2e-08 8e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 3.2099e+00 3.2103e+00 4e+00 1e+00 3e-16 1e-01
2: 3.9915e+00 3.9915e+00 5e-02 2e-02 1e-15 1e-03
3: 3.9999e+00 3.9999e+00 5e-04 2e-04 6e-16 1e-05
4: 4.0000e+00 4.0000e+00 5e-06 2e-06 9e-16 1e-07

```

5: 4.0000e+00 4.0000e+00 5e-08 2e-08 5e-16 1e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.8152e+00	2.8168e+00	7e+00	2e+00	3e-16	2e-01
2:	3.9401e+00	3.9403e+00	5e-01	2e-01	3e-15	1e-02
3:	3.9994e+00	3.9994e+00	5e-03	2e-03	1e-15	1e-04
4:	4.0000e+00	4.0000e+00	5e-05	2e-05	8e-16	1e-06
5:	4.0000e+00	4.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0509e+00	3.0518e+00	6e+00	2e+00	4e-16	1e-01
2:	3.9837e+00	3.9838e+00	1e-01	4e-02	1e-15	3e-03
3:	3.9998e+00	3.9998e+00	1e-03	4e-04	8e-16	3e-05
4:	4.0000e+00	4.0000e+00	1e-05	4e-06	8e-16	3e-07
5:	4.0000e+00	4.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8994e+00	3.9002e+00	5e+00	2e+00	5e-16	1e-01
2:	4.9854e+00	4.9854e+00	8e-02	3e-02	3e-15	2e-03
3:	4.9999e+00	4.9999e+00	8e-04	3e-04	8e-16	2e-05
4:	5.0000e+00	5.0000e+00	8e-06	3e-06	8e-16	2e-07
5:	5.0000e+00	5.0000e+00	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9217e+00	3.9222e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9861e+00	4.9861e+00	8e-02	3e-02	2e-15	2e-03
3:	4.9999e+00	4.9999e+00	8e-04	3e-04	4e-16	2e-05
4:	5.0000e+00	5.0000e+00	8e-06	3e-06	8e-16	2e-07
5:	5.0000e+00	5.0000e+00	8e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9403e+00	3.9407e+00	5e+00	2e+00	6e-16	1e-01
2:	4.9871e+00	4.9871e+00	7e-02	2e-02	3e-15	2e-03
3:	4.9999e+00	4.9999e+00	7e-04	2e-04	1e-15	2e-05
4:	5.0000e+00	5.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	5.0000e+00	5.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9492e+00	3.9497e+00	5e+00	1e+00	3e-16	1e-01
2:	4.9875e+00	4.9875e+00	7e-02	2e-02	1e-15	2e-03
3:	4.9999e+00	4.9999e+00	7e-04	2e-04	6e-16	2e-05
4:	5.0000e+00	5.0000e+00	7e-06	2e-06	6e-16	2e-07



5: 5.0000e+00 5.0000e+00 7e-08 2e-08 7e-16 2e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5516e+00	3.5532e+00	6e+00	2e+00	8e-16	2e-01
2:	4.8269e+00	4.8273e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9981e+00	4.9981e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0094e+00	4.0097e+00	4e+00	1e+00	3e-16	1e-01
2:	4.9884e+00	4.9884e+00	6e-02	2e-02	1e-15	2e-03
3:	4.9999e+00	4.9999e+00	6e-04	2e-04	7e-16	2e-05
4:	5.0000e+00	5.0000e+00	6e-06	2e-06	7e-16	2e-07
5:	5.0000e+00	5.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8151e+00	3.8144e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9869e+00	4.9868e+00	1e-01	3e-02	2e-15	3e-03
3:	4.9999e+00	4.9999e+00	1e-03	3e-04	3e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	3e-06	6e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7077e+00	3.7083e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9781e+00	4.9781e+00	2e-01	5e-02	1e-15	4e-03
3:	4.9998e+00	4.9998e+00	2e-03	5e-04	4e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0799e+00	4.0800e+00	4e+00	1e+00	5e-16	1e-01
2:	4.9902e+00	4.9902e+00	5e-02	1e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	1e-04	1e-15	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	1e-06	1e-15	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4078e+00	3.4106e+00	7e+00	2e+00	2e-16	2e-01
2:	4.9588e+00	4.9590e+00	4e-01	1e-01	3e-15	9e-03
3:	4.9996e+00	4.9996e+00	4e-03	1e-03	9e-16	9e-05
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	7e-16	9e-07

5: 5.0000e+00 5.0000e+00 4e-07 1e-07 1e-15 9e-09  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7878e+00	3.7876e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9855e+00	4.9855e+00	1e-01	4e-02	2e-15	3e-03
3:	4.9999e+00	4.9999e+00	1e-03	4e-04	5e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0997e+00	3.0995e+00	6e+00	2e+00	7e-16	2e-01
2:	4.8675e+00	4.8675e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9984e+00	4.9984e+00	1e-02	4e-03	1e-15	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5156e+00	3.5169e+00	7e+00	2e+00	6e-16	2e-01
2:	4.9004e+00	4.9006e+00	7e-01	2e-01	1e-15	2e-02
3:	4.9990e+00	4.9990e+00	7e-03	2e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	5.0000e+00	5.0000e+00	7e-07	2e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5405e+00	3.5414e+00	7e+00	2e+00	4e-16	2e-01
2:	4.9627e+00	4.9628e+00	3e-01	1e-01	2e-15	8e-03
3:	4.9996e+00	4.9996e+00	3e-03	1e-03	6e-16	8e-05
4:	5.0000e+00	5.0000e+00	3e-05	1e-05	8e-16	8e-07
5:	5.0000e+00	5.0000e+00	3e-07	1e-07	4e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0744e+00	4.0745e+00	4e+00	1e+00	4e-16	1e-01
2:	4.9900e+00	4.9900e+00	5e-02	2e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	9e-16	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5976e+00	3.5976e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9717e+00	4.9717e+00	3e-01	8e-02	2e-15	6e-03
3:	4.9997e+00	4.9997e+00	3e-03	8e-04	5e-16	6e-05
4:	5.0000e+00	5.0000e+00	3e-05	8e-06	5e-16	6e-07

5: 5.0000e+00 5.0000e+00 3e-07 8e-08 5e-16 6e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0419e+00	3.0438e+00	7e+00	2e+00	4e-16	2e-01
2:	4.8527e+00	4.8532e+00	1e+00	4e-01	3e-15	3e-02
3:	4.9978e+00	4.9978e+00	2e-02	5e-03	9e-16	4e-04
4:	5.0000e+00	5.0000e+00	2e-04	5e-05	8e-16	4e-06
5:	5.0000e+00	5.0000e+00	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0355e+00	4.0358e+00	4e+00	1e+00	4e-16	1e-01
2:	4.9893e+00	4.9893e+00	5e-02	2e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	9e-16	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	9e-16	1e-07

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0707e+00	4.0709e+00	4e+00	1e+00	6e-16	1e-01
2:	4.9886e+00	4.9886e+00	5e-02	2e-02	1e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0661e+00	4.0663e+00	4e+00	1e+00	3e-16	1e-01
2:	4.9894e+00	4.9894e+00	5e-02	2e-02	1e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	8e-16	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1294e+00	3.1282e+00	6e+00	2e+00	4e-16	2e-01
2:	4.9519e+00	4.9517e+00	7e-01	2e-01	2e-15	2e-02
3:	4.9995e+00	4.9995e+00	8e-03	2e-03	9e-16	2e-04
4:	5.0000e+00	5.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	5.0000e+00	5.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7131e+00	3.7143e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9663e+00	4.9663e+00	2e-01	7e-02	2e-15	5e-03
3:	4.9997e+00	4.9997e+00	2e-03	7e-04	6e-16	5e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	8e-16	5e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9091e+00	3.9093e+00	5e+00	2e+00	4e-16	1e-01
2:	4.9870e+00	4.9870e+00	8e-02	2e-02	1e-15	2e-03
3:	4.9999e+00	4.9999e+00	8e-04	2e-04	5e-16	2e-05
4:	5.0000e+00	5.0000e+00	8e-06	2e-06	5e-16	2e-07
5:	5.0000e+00	5.0000e+00	8e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4031e+00	3.4025e+00	7e+00	2e+00	4e-16	2e-01
2:	4.9676e+00	4.9675e+00	4e-01	1e-01	1e-15	1e-02
3:	4.9997e+00	4.9997e+00	4e-03	1e-03	5e-16	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	4e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6851e+00	3.6868e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9688e+00	4.9689e+00	2e-01	7e-02	1e-15	5e-03
3:	4.9997e+00	4.9997e+00	2e-03	7e-04	8e-16	5e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	5e-16	5e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	3e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7702e+00	3.7720e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9697e+00	4.9698e+00	2e-01	6e-02	3e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	6e-04	3e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	6e-06	8e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5566e+00	3.5588e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9414e+00	4.9416e+00	4e-01	1e-01	9e-16	1e-02
3:	4.9994e+00	4.9994e+00	4e-03	1e-03	8e-16	1e-04
4:	5.0000e+00	5.0000e+00	4e-05	1e-05	6e-16	1e-06
5:	5.0000e+00	5.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1148e+00	4.1148e+00	4e+00	1e+00	4e-16	9e-02
2:	4.9911e+00	4.9911e+00	4e-02	1e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	4e-04	1e-04	8e-16	1e-05
4:	5.0000e+00	5.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	5.0000e+00	5.0000e+00	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.3277e+00	3.3275e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8404e+00	4.8403e+00	1e+00	4e-01	2e-15	3e-02
3:	4.9983e+00	4.9983e+00	1e-02	4e-03	4e-16	3e-04
4:	5.0000e+00	5.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	4e-16	3e-08
6:	5.0000e+00	5.0000e+00	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5684e+00	3.5680e+00	6e+00	2e+00	5e-16	2e-01
2:	4.9787e+00	4.9787e+00	2e-01	7e-02	1e-15	6e-03
3:	4.9998e+00	4.9998e+00	2e-03	7e-04	7e-16	6e-05
4:	5.0000e+00	5.0000e+00	2e-05	7e-06	7e-16	6e-07
5:	5.0000e+00	5.0000e+00	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.2614e+00	3.2617e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8147e+00	4.8148e+00	1e+00	5e-01	2e-15	4e-02
3:	4.9973e+00	4.9973e+00	2e-02	6e-03	8e-16	5e-04
4:	5.0000e+00	5.0000e+00	2e-04	6e-05	1e-15	5e-06
5:	5.0000e+00	5.0000e+00	2e-06	6e-07	5e-16	5e-08
6:	5.0000e+00	5.0000e+00	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7978e+00	3.7996e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9732e+00	4.9733e+00	2e-01	5e-02	1e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	5e-04	5e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	5e-06	7e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8910e+00	3.8918e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9853e+00	4.9854e+00	8e-02	3e-02	3e-15	2e-03
3:	4.9999e+00	4.9999e+00	8e-04	3e-04	9e-16	2e-05
4:	5.0000e+00	5.0000e+00	8e-06	3e-06	4e-16	2e-07
5:	5.0000e+00	5.0000e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6923e+00	3.6942e+00	6e+00	2e+00	4e-16	1e-01
2:	4.9764e+00	4.9765e+00	2e-01	5e-02	2e-15	4e-03
3:	4.9998e+00	4.9998e+00	2e-03	5e-04	6e-16	4e-05

4:	5.0000e+00	5.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0772e+00	4.0773e+00	4e+00	1e+00	3e-16	1e-01
2:	4.9894e+00	4.9894e+00	5e-02	2e-02	9e-16	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	8e-16	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	2e-15	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0533e+00	4.0536e+00	4e+00	1e+00	9e-16	1e-01
2:	4.9893e+00	4.9893e+00	5e-02	2e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	9e-16	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	9e-16	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8906e+00	3.8913e+00	5e+00	2e+00	3e-16	1e-01
2:	4.9696e+00	4.9696e+00	2e-01	5e-02	1e-15	4e-03
3:	4.9997e+00	4.9997e+00	2e-03	5e-04	5e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0690e+00	4.0692e+00	4e+00	1e+00	3e-16	1e-01
2:	4.9904e+00	4.9904e+00	5e-02	1e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	1e-04	5e-16	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	1e-06	8e-16	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4534e+00	3.4545e+00	7e+00	2e+00	3e-16	2e-01
2:	4.9716e+00	4.9717e+00	3e-01	9e-02	2e-15	7e-03
3:	4.9997e+00	4.9997e+00	3e-03	9e-04	6e-16	7e-05
4:	5.0000e+00	5.0000e+00	3e-05	9e-06	5e-16	7e-07
5:	5.0000e+00	5.0000e+00	3e-07	9e-08	4e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1835e+00	3.1868e+00	7e+00	2e+00	3e-16	2e-01
2:	4.8854e+00	4.8860e+00	1e+00	3e-01	2e-15	2e-02
3:	4.9984e+00	4.9984e+00	1e-02	4e-03	2e-15	3e-04

4:	5.0000e+00	5.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	5.0000e+00	5.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9447e+00	3.9454e+00	5e+00	1e+00	1e-15	1e-01
2:	4.9853e+00	4.9853e+00	8e-02	2e-02	5e-15	2e-03
3:	4.9999e+00	4.9999e+00	8e-04	2e-04	1e-15	2e-05
4:	5.0000e+00	5.0000e+00	8e-06	2e-06	1e-15	2e-07
5:	5.0000e+00	5.0000e+00	8e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	2.4022e+00	2.4013e+00	6e+00	2e+00	6e-16	2e-01
2:	4.6495e+00	4.6491e+00	2e+00	6e-01	2e-15	5e-02
3:	4.9269e+00	4.9268e+00	2e-01	7e-02	3e-15	6e-03
4:	4.9993e+00	4.9993e+00	2e-03	8e-04	8e-16	6e-05
5:	5.0000e+00	5.0000e+00	2e-05	8e-06	9e-16	6e-07
6:	5.0000e+00	5.0000e+00	2e-07	8e-08	9e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0520e+00	4.0522e+00	4e+00	1e+00	3e-16	1e-01
2:	4.9895e+00	4.9895e+00	5e-02	2e-02	3e-15	1e-03
3:	4.9999e+00	4.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	5.0000e+00	5.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	5.0000e+00	5.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.1808e+00	3.1800e+00	6e+00	2e+00	3e-16	2e-01
2:	4.7597e+00	4.7593e+00	2e+00	5e-01	2e-15	4e-02
3:	4.9965e+00	4.9965e+00	2e-02	7e-03	2e-15	6e-04
4:	5.0000e+00	5.0000e+00	2e-04	7e-05	8e-16	6e-06
5:	5.0000e+00	5.0000e+00	2e-06	7e-07	5e-16	6e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8188e+00	3.8188e+00	5e+00	2e+00	2e-16	1e-01
2:	4.9857e+00	4.9857e+00	1e-01	3e-02	3e-15	3e-03
3:	4.9999e+00	4.9999e+00	1e-03	3e-04	6e-16	3e-05
4:	5.0000e+00	5.0000e+00	1e-05	3e-06	4e-16	3e-07
5:	5.0000e+00	5.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6018e+00	3.6033e+00	6e+00	2e+00	2e-16	1e-01
2:	4.9779e+00	4.9779e+00	2e-01	6e-02	2e-15	4e-03

3:	4.9998e+00	4.9998e+00	2e-03	6e-04	7e-16	4e-05
4:	5.0000e+00	5.0000e+00	2e-05	6e-06	5e-16	4e-07
5:	5.0000e+00	5.0000e+00	2e-07	6e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5894e+00	3.5914e+00	6e+00	2e+00	3e-16	2e-01
2:	4.9647e+00	4.9648e+00	3e-01	8e-02	2e-15	6e-03
3:	4.9996e+00	4.9996e+00	3e-03	8e-04	5e-16	6e-05
4:	5.0000e+00	5.0000e+00	3e-05	8e-06	4e-16	6e-07
5:	5.0000e+00	5.0000e+00	3e-07	8e-08	4e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.0140e+00	3.0179e+00	7e+00	2e+00	3e-16	2e-01
2:	4.5828e+00	4.5847e+00	2e+00	8e-01	9e-16	6e-02
3:	4.9440e+00	4.9447e+00	3e-01	9e-02	1e-15	7e-03
4:	4.9994e+00	4.9994e+00	3e-03	1e-03	5e-16	8e-05
5:	5.0000e+00	5.0000e+00	3e-05	1e-05	4e-16	8e-07
6:	5.0000e+00	5.0000e+00	3e-07	1e-07	4e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.7814e+00	3.7826e+00	6e+00	2e+00	3e-16	1e-01
2:	4.9679e+00	4.9680e+00	2e-01	6e-02	2e-15	5e-03
3:	4.9997e+00	4.9997e+00	2e-03	6e-04	4e-16	5e-05
4:	5.0000e+00	5.0000e+00	2e-05	6e-06	5e-16	5e-07
5:	5.0000e+00	5.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1211e+00	4.1211e+00	4e+00	1e+00	4e-16	9e-02
2:	4.9912e+00	4.9912e+00	4e-02	1e-02	2e-15	1e-03
3:	4.9999e+00	4.9999e+00	4e-04	1e-04	1e-15	1e-05
4:	5.0000e+00	5.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	5.0000e+00	5.0000e+00	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2686e+00	4.2696e+00	6e+00	2e+00	2e-15	2e-01
2:	5.9527e+00	5.9528e+00	3e-01	1e-01	4e-15	8e-03
3:	5.9995e+00	5.9995e+00	3e-03	1e-03	2e-15	8e-05
4:	6.0000e+00	6.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	6.0000e+00	6.0000e+00	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8046e+00	4.8051e+00	4e+00	1e+00	4e-16	1e-01



2:	5.9825e+00	5.9825e+00	7e-02	2e-02	2e-15	2e-03
3:	5.9998e+00	5.9998e+00	7e-04	2e-04	9e-16	2e-05
4:	6.0000e+00	6.0000e+00	7e-06	2e-06	9e-16	2e-07
5:	6.0000e+00	6.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9992e+00	4.0012e+00	7e+00	2e+00	4e-16	2e-01
2:	5.8905e+00	5.8909e+00	8e-01	2e-01	2e-15	2e-02
3:	5.9989e+00	5.9989e+00	8e-03	2e-03	6e-16	2e-04
4:	6.0000e+00	6.0000e+00	8e-05	2e-05	6e-16	2e-06
5:	6.0000e+00	6.0000e+00	8e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4676e+00	4.4692e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9684e+00	5.9685e+00	2e-01	5e-02	2e-15	4e-03
3:	5.9997e+00	5.9997e+00	2e-03	5e-04	1e-15	4e-05
4:	6.0000e+00	6.0000e+00	2e-05	5e-06	8e-16	4e-07
5:	6.0000e+00	6.0000e+00	2e-07	5e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6073e+00	4.6076e+00	5e+00	2e+00	2e-16	1e-01
2:	5.9808e+00	5.9808e+00	1e-01	3e-02	2e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	3e-04	6e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	3e-06	6e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8364e+00	4.8367e+00	4e+00	1e+00	3e-16	1e-01
2:	5.9853e+00	5.9853e+00	6e-02	2e-02	1e-15	2e-03
3:	5.9999e+00	5.9999e+00	6e-04	2e-04	6e-16	2e-05
4:	6.0000e+00	6.0000e+00	6e-06	2e-06	1e-15	2e-07
5:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4502e+00	4.4514e+00	6e+00	2e+00	6e-16	1e-01
2:	5.9755e+00	5.9755e+00	1e-01	4e-02	3e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	1e-15	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0642e+00	4.0645e+00	7e+00	2e+00	4e-16	2e-01

2:	5.9516e+00	5.9516e+00	4e-01	1e-01	2e-15	1e-02
3:	5.9995e+00	5.9995e+00	4e-03	1e-03	7e-16	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	8e-16	1e-06
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7038e+00	4.7046e+00	5e+00	2e+00	4e-16	1e-01
2:	5.9826e+00	5.9826e+00	8e-02	3e-02	1e-15	2e-03
3:	5.9998e+00	5.9998e+00	8e-04	3e-04	5e-16	2e-05
4:	6.0000e+00	6.0000e+00	8e-06	3e-06	6e-16	2e-07
5:	6.0000e+00	6.0000e+00	8e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2879e+00	4.2894e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9251e+00	5.9253e+00	5e-01	1e-01	3e-15	1e-02
3:	5.9992e+00	5.9992e+00	5e-03	1e-03	5e-16	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	1e-05	8e-16	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	1e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5873e+00	4.5885e+00	5e+00	2e+00	4e-16	1e-01
2:	5.9502e+00	5.9503e+00	2e-01	7e-02	1e-15	6e-03
3:	5.9995e+00	5.9995e+00	2e-03	7e-04	8e-16	6e-05
4:	6.0000e+00	6.0000e+00	2e-05	7e-06	6e-16	6e-07
5:	6.0000e+00	6.0000e+00	2e-07	7e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5945e+00	4.5961e+00	5e+00	2e+00	5e-16	1e-01
2:	5.9712e+00	5.9713e+00	1e-01	4e-02	2e-15	3e-03
3:	5.9997e+00	5.9997e+00	1e-03	4e-04	8e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	8e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4095e+00	4.4107e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9636e+00	5.9637e+00	2e-01	7e-02	2e-15	5e-03
3:	5.9996e+00	5.9996e+00	2e-03	7e-04	4e-16	5e-05
4:	6.0000e+00	6.0000e+00	2e-05	7e-06	6e-16	5e-07
5:	6.0000e+00	6.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5340e+00	4.5357e+00	5e+00	2e+00	4e-16	1e-01

2:	5.8691e+00	5.8693e+00	7e-01	2e-01	2e-15	2e-02
3:	5.9986e+00	5.9986e+00	7e-03	2e-03	2e-15	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9429e+00	4.9429e+00	4e+00	1e+00	3e-15	9e-02
2:	5.9894e+00	5.9894e+00	4e-02	1e-02	5e-15	1e-03
3:	5.9999e+00	5.9999e+00	4e-04	1e-04	6e-15	1e-05
4:	6.0000e+00	6.0000e+00	4e-06	1e-06	4e-15	1e-07
5:	6.0000e+00	6.0000e+00	4e-08	1e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8823e+00	4.8826e+00	4e+00	1e+00	1e-15	1e-01
2:	5.9878e+00	5.9878e+00	5e-02	2e-02	2e-15	1e-03
3:	5.9999e+00	5.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	6.0000e+00	6.0000e+00	5e-06	2e-06	2e-15	1e-07
5:	6.0000e+00	6.0000e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.6538e+00	3.6543e+00	6e+00	2e+00	4e-16	2e-01
2:	5.6825e+00	5.6827e+00	2e+00	6e-01	2e-15	5e-02
3:	5.9849e+00	5.9849e+00	6e-02	2e-02	2e-15	2e-03
4:	5.9998e+00	5.9998e+00	6e-04	2e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	7e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2531e+00	4.2525e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9710e+00	5.9710e+00	3e-01	8e-02	9e-16	7e-03
3:	5.9997e+00	5.9997e+00	3e-03	8e-04	4e-16	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	8e-06	5e-16	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	8e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1829e+00	4.1843e+00	6e+00	2e+00	4e-16	2e-01
2:	5.9471e+00	5.9472e+00	4e-01	1e-01	4e-15	9e-03
3:	5.9995e+00	5.9995e+00	4e-03	1e-03	6e-16	9e-05
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	9e-16	9e-07
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.7555e+00	4.7561e+00	5e+00	1e+00	3e-16	1e-01
2:	5.9759e+00	5.9759e+00	1e-01	3e-02	3e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	3e-04	1e-15	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	3e-06	7e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3072e+00	4.3102e+00	6e+00	2e+00	7e-16	1e-01
2:	5.9441e+00	5.9443e+00	3e-01	1e-01	2e-15	8e-03
3:	5.9994e+00	5.9994e+00	3e-03	1e-03	1e-15	8e-05
4:	6.0000e+00	6.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	6.0000e+00	6.0000e+00	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1546e+00	4.1561e+00	7e+00	2e+00	2e-16	2e-01
2:	5.8953e+00	5.8955e+00	7e-01	2e-01	1e-15	2e-02
3:	5.9989e+00	5.9989e+00	7e-03	2e-03	6e-16	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	6e-16	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8941e+00	4.8943e+00	4e+00	1e+00	2e-16	1e-01
2:	5.9884e+00	5.9884e+00	5e-02	1e-02	2e-15	1e-03
3:	5.9999e+00	5.9999e+00	5e-04	1e-04	8e-16	1e-05
4:	6.0000e+00	6.0000e+00	5e-06	1e-06	2e-15	1e-07
5:	6.0000e+00	6.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2472e+00	4.2473e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9593e+00	5.9593e+00	3e-01	1e-01	2e-15	8e-03
3:	5.9996e+00	5.9996e+00	3e-03	1e-03	5e-16	8e-05
4:	6.0000e+00	6.0000e+00	3e-05	1e-05	7e-16	8e-07
5:	6.0000e+00	6.0000e+00	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6077e+00	4.6084e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9676e+00	5.9677e+00	2e-01	5e-02	2e-15	4e-03
3:	5.9997e+00	5.9997e+00	2e-03	5e-04	5e-16	4e-05
4:	6.0000e+00	6.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	6.0000e+00	6.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.2159e+00	4.2168e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9119e+00	5.9120e+00	6e-01	2e-01	3e-15	1e-02
3:	5.9991e+00	5.9991e+00	6e-03	2e-03	6e-16	1e-04
4:	6.0000e+00	6.0000e+00	6e-05	2e-05	6e-16	1e-06
5:	6.0000e+00	6.0000e+00	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9237e+00	4.9238e+00	4e+00	1e+00	1e-15	1e-01
2:	5.9886e+00	5.9887e+00	4e-02	1e-02	3e-15	1e-03
3:	5.9999e+00	5.9999e+00	4e-04	1e-04	1e-15	1e-05
4:	6.0000e+00	6.0000e+00	4e-06	1e-06	2e-15	1e-07
5:	6.0000e+00	6.0000e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4673e+00	4.4689e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9613e+00	5.9613e+00	2e-01	6e-02	1e-15	5e-03
3:	5.9996e+00	5.9996e+00	2e-03	6e-04	5e-16	5e-05
4:	6.0000e+00	6.0000e+00	2e-05	6e-06	7e-16	5e-07
5:	6.0000e+00	6.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8273e+00	4.8280e+00	4e+00	1e+00	6e-16	1e-01
2:	5.9801e+00	5.9801e+00	8e-02	3e-02	2e-15	2e-03
3:	5.9998e+00	5.9998e+00	8e-04	3e-04	1e-15	2e-05
4:	6.0000e+00	6.0000e+00	8e-06	3e-06	1e-15	2e-07
5:	6.0000e+00	6.0000e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8471e+00	4.8476e+00	4e+00	1e+00	3e-16	1e-01
2:	5.9857e+00	5.9857e+00	6e-02	2e-02	3e-15	1e-03
3:	5.9999e+00	5.9999e+00	6e-04	2e-04	1e-15	1e-05
4:	6.0000e+00	6.0000e+00	6e-06	2e-06	1e-15	1e-07
5:	6.0000e+00	6.0000e+00	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.9925e+00	3.9925e+00	7e+00	2e+00	3e-16	2e-01
2:	5.9121e+00	5.9121e+00	7e-01	2e-01	1e-15	2e-02
3:	5.9991e+00	5.9991e+00	7e-03	2e-03	8e-16	2e-04
4:	6.0000e+00	6.0000e+00	7e-05	2e-05	8e-16	2e-06
5:	6.0000e+00	6.0000e+00	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	4.8088e+00	4.8093e+00	4e+00	1e+00	4e-16	1e-01
2:	5.9821e+00	5.9822e+00	7e-02	2e-02	2e-15	2e-03
3:	5.9998e+00	5.9998e+00	7e-04	2e-04	9e-16	2e-05
4:	6.0000e+00	6.0000e+00	7e-06	2e-06	8e-16	2e-07
5:	6.0000e+00	6.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.5583e+00	3.5592e+00	7e+00	2e+00	2e-16	2e-01
2:	5.5068e+00	5.5073e+00	2e+00	8e-01	1e-15	6e-02
3:	5.9746e+00	5.9747e+00	1e-01	3e-02	2e-15	3e-03
4:	5.9997e+00	5.9997e+00	1e-03	3e-04	4e-16	3e-05
5:	6.0000e+00	6.0000e+00	1e-05	3e-06	6e-16	3e-07
6:	6.0000e+00	6.0000e+00	1e-07	3e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7705e+00	4.7708e+00	5e+00	1e+00	3e-16	1e-01
2:	5.9866e+00	5.9866e+00	6e-02	2e-02	3e-15	1e-03
3:	5.9999e+00	5.9999e+00	6e-04	2e-04	1e-15	1e-05
4:	6.0000e+00	6.0000e+00	6e-06	2e-06	8e-16	1e-07
5:	6.0000e+00	6.0000e+00	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4763e+00	4.4759e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9808e+00	5.9807e+00	1e-01	4e-02	3e-15	4e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	6e-16	4e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	4e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	5e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3199e+00	4.3229e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9166e+00	5.9169e+00	4e-01	1e-01	2e-15	1e-02
3:	5.9991e+00	5.9992e+00	5e-03	1e-03	8e-16	1e-04
4:	6.0000e+00	6.0000e+00	5e-05	1e-05	1e-15	1e-06
5:	6.0000e+00	6.0000e+00	5e-07	1e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4640e+00	4.4659e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9723e+00	5.9724e+00	1e-01	5e-02	2e-15	3e-03
3:	5.9997e+00	5.9997e+00	1e-03	5e-04	5e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	5e-06	6e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	5e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6382e+00	4.6386e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9781e+00	5.9781e+00	1e-01	4e-02	8e-16	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	6e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2053e+00	4.2076e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9365e+00	5.9367e+00	4e-01	1e-01	3e-15	1e-02
3:	5.9993e+00	5.9994e+00	4e-03	1e-03	8e-16	1e-04
4:	6.0000e+00	6.0000e+00	4e-05	1e-05	7e-16	1e-06
5:	6.0000e+00	6.0000e+00	4e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.1273e+00	4.1284e+00	7e+00	2e+00	4e-16	2e-01
2:	5.8653e+00	5.8655e+00	9e-01	3e-01	1e-15	2e-02
3:	5.9986e+00	5.9986e+00	9e-03	3e-03	5e-16	2e-04
4:	6.0000e+00	6.0000e+00	9e-05	3e-05	6e-16	2e-06
5:	6.0000e+00	6.0000e+00	9e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8853e+00	4.8855e+00	4e+00	1e+00	5e-16	1e-01
2:	5.9882e+00	5.9882e+00	5e-02	2e-02	2e-15	1e-03
3:	5.9999e+00	5.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	6.0000e+00	6.0000e+00	5e-06	2e-06	9e-16	1e-07
5:	6.0000e+00	6.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.4419e+00	3.4432e+00	7e+00	2e+00	4e-16	2e-01
2:	5.5721e+00	5.5727e+00	2e+00	7e-01	2e-15	5e-02
3:	5.9851e+00	5.9851e+00	6e-02	2e-02	1e-15	2e-03
4:	5.9999e+00	5.9999e+00	6e-04	2e-04	5e-16	2e-05
5:	6.0000e+00	6.0000e+00	6e-06	2e-06	5e-16	2e-07
6:	6.0000e+00	6.0000e+00	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7239e+00	4.7245e+00	5e+00	2e+00	4e-16	1e-01
2:	5.9823e+00	5.9823e+00	8e-02	3e-02	1e-15	2e-03
3:	5.9998e+00	5.9998e+00	8e-04	3e-04	7e-16	2e-05
4:	6.0000e+00	6.0000e+00	8e-06	3e-06	7e-16	2e-07
5:	6.0000e+00	6.0000e+00	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3731e+00	4.3757e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9374e+00	5.9376e+00	3e-01	1e-01	2e-15	8e-03
3:	5.9994e+00	5.9994e+00	3e-03	1e-03	1e-15	8e-05
4:	6.0000e+00	6.0000e+00	3e-05	1e-05	9e-16	8e-07
5:	6.0000e+00	6.0000e+00	3e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2230e+00	4.2241e+00	6e+00	2e+00	3e-16	2e-01
2:	5.9629e+00	5.9630e+00	3e-01	9e-02	1e-15	7e-03
3:	5.9996e+00	5.9996e+00	3e-03	9e-04	8e-16	7e-05
4:	6.0000e+00	6.0000e+00	3e-05	9e-06	4e-16	7e-07
5:	6.0000e+00	6.0000e+00	3e-07	9e-08	6e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5362e+00	4.5372e+00	6e+00	2e+00	3e-16	1e-01
2:	5.9755e+00	5.9755e+00	1e-01	4e-02	4e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	5e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	6e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5345e+00	4.5353e+00	6e+00	2e+00	6e-16	1e-01
2:	5.9751e+00	5.9751e+00	1e-01	4e-02	1e-15	3e-03
3:	5.9998e+00	5.9998e+00	1e-03	4e-04	7e-16	3e-05
4:	6.0000e+00	6.0000e+00	1e-05	4e-06	9e-16	3e-07
5:	6.0000e+00	6.0000e+00	1e-07	4e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6625e+00	4.6630e+00	5e+00	2e+00	3e-16	1e-01
2:	5.9817e+00	5.9817e+00	9e-02	3e-02	1e-15	2e-03
3:	5.9998e+00	5.9998e+00	9e-04	3e-04	5e-16	2e-05
4:	6.0000e+00	6.0000e+00	9e-06	3e-06	7e-16	2e-07
5:	6.0000e+00	6.0000e+00	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5567e+00	4.5576e+00	6e+00	2e+00	2e-16	1e-01
2:	5.9722e+00	5.9722e+00	1e-01	5e-02	1e-15	4e-03
3:	5.9997e+00	5.9997e+00	1e-03	5e-04	9e-16	4e-05
4:	6.0000e+00	6.0000e+00	1e-05	5e-06	6e-16	4e-07
5:	6.0000e+00	6.0000e+00	1e-07	5e-08	6e-16	4e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8810e+00	4.8813e+00	4e+00	1e+00	3e-16	1e-01
2:	5.9867e+00	5.9867e+00	5e-02	2e-02	2e-15	1e-03
3:	5.9999e+00	5.9999e+00	5e-04	2e-04	6e-16	1e-05
4:	6.0000e+00	6.0000e+00	5e-06	2e-06	9e-16	1e-07
5:	6.0000e+00	6.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1625e+00	5.1646e+00	6e+00	2e+00	4e-16	1e-01
2:	6.9624e+00	6.9625e+00	2e-01	5e-02	3e-15	4e-03
3:	6.9996e+00	6.9996e+00	2e-03	5e-04	6e-16	4e-05
4:	7.0000e+00	7.0000e+00	2e-05	5e-06	6e-16	4e-07
5:	7.0000e+00	7.0000e+00	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7226e+00	5.7227e+00	4e+00	1e+00	4e-16	1e-01
2:	6.9867e+00	6.9867e+00	5e-02	1e-02	2e-15	1e-03
3:	6.9999e+00	6.9999e+00	5e-04	1e-04	7e-16	1e-05
4:	7.0000e+00	7.0000e+00	5e-06	1e-06	1e-15	1e-07
5:	7.0000e+00	7.0000e+00	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6772e+00	5.6774e+00	4e+00	1e+00	3e-16	1e-01
2:	6.9842e+00	6.9842e+00	6e-02	2e-02	2e-15	1e-03
3:	6.9998e+00	6.9998e+00	6e-04	2e-04	9e-16	1e-05
4:	7.0000e+00	7.0000e+00	6e-06	2e-06	8e-16	1e-07
5:	7.0000e+00	7.0000e+00	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2098e+00	5.2116e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8150e+00	6.8153e+00	8e-01	2e-01	1e-15	2e-02
3:	6.9981e+00	6.9981e+00	8e-03	2e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	2e-05	8e-16	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3831e+00	5.3842e+00	5e+00	2e+00	4e-16	1e-01
2:	6.8887e+00	6.8888e+00	5e-01	1e-01	3e-15	1e-02
3:	6.9989e+00	6.9989e+00	5e-03	1e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	1e-05	9e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3498e+00	5.3511e+00	5e+00	2e+00	3e-16	1e-01
2:	6.9263e+00	6.9264e+00	3e-01	9e-02	2e-15	7e-03
3:	6.9993e+00	6.9993e+00	3e-03	1e-03	1e-15	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	1e-05	1e-15	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	1e-07	7e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.4276e+00	4.4336e+00	6e+00	2e+00	3e-16	1e-01
2:	6.5923e+00	6.5943e+00	2e+00	6e-01	2e-15	4e-02
3:	6.9715e+00	6.9718e+00	9e-02	3e-02	2e-15	2e-03
4:	6.9997e+00	6.9997e+00	9e-04	3e-04	4e-16	2e-05
5:	7.0000e+00	7.0000e+00	9e-06	3e-06	6e-16	2e-07
6:	7.0000e+00	7.0000e+00	9e-08	3e-08	4e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7423e+00	4.7447e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8627e+00	6.8631e+00	8e-01	2e-01	2e-15	2e-02
3:	6.9986e+00	6.9986e+00	8e-03	2e-03	6e-16	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	2e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.6672e+00	4.6729e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8879e+00	6.8886e+00	6e-01	2e-01	3e-15	1e-02
3:	6.9987e+00	6.9987e+00	7e-03	2e-03	9e-16	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1791e+00	5.1803e+00	6e+00	2e+00	5e-16	1e-01
2:	6.9236e+00	6.9237e+00	4e-01	1e-01	2e-15	9e-03
3:	6.9992e+00	6.9992e+00	4e-03	1e-03	8e-16	9e-05
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9467e+00	4.9483e+00	6e+00	2e+00	5e-16	2e-01
2:	6.9535e+00	6.9536e+00	3e-01	9e-02	2e-15	7e-03
3:	6.9995e+00	6.9995e+00	3e-03	9e-04	8e-16	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	9e-06	7e-16	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5062e+00	5.5070e+00	5e+00	2e+00	3e-16	1e-01
2:	6.9803e+00	6.9804e+00	8e-02	2e-02	2e-15	2e-03
3:	6.9998e+00	6.9998e+00	8e-04	2e-04	9e-16	2e-05
4:	7.0000e+00	7.0000e+00	8e-06	2e-06	9e-16	2e-07
5:	7.0000e+00	7.0000e+00	8e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.8415e+00	4.8432e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9583e+00	6.9584e+00	3e-01	9e-02	2e-15	7e-03
3:	6.9996e+00	6.9996e+00	3e-03	9e-04	6e-16	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	9e-06	6e-16	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.1484e+00	5.1494e+00	6e+00	2e+00	5e-16	2e-01
2:	6.9558e+00	6.9559e+00	2e-01	7e-02	1e-15	6e-03
3:	6.9996e+00	6.9996e+00	2e-03	7e-04	8e-16	6e-05
4:	7.0000e+00	7.0000e+00	2e-05	7e-06	7e-16	6e-07
5:	7.0000e+00	7.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0849e+00	5.0879e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8852e+00	6.8855e+00	5e-01	2e-01	2e-15	1e-02
3:	6.9988e+00	6.9988e+00	5e-03	2e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5673e+00	4.5683e+00	7e+00	2e+00	5e-16	2e-01
2:	6.6283e+00	6.6287e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9949e+00	6.9949e+00	2e-02	8e-03	1e-15	6e-04
4:	6.9999e+00	6.9999e+00	2e-04	8e-05	7e-16	6e-06
5:	7.0000e+00	7.0000e+00	2e-06	8e-07	8e-16	6e-08
6:	7.0000e+00	7.0000e+00	2e-08	8e-09	8e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6472e+00	5.6476e+00	4e+00	1e+00	1e-15	1e-01
2:	6.9827e+00	6.9827e+00	6e-02	2e-02	2e-15	2e-03
3:	6.9998e+00	6.9998e+00	6e-04	2e-04	2e-15	2e-05
4:	7.0000e+00	7.0000e+00	6e-06	2e-06	2e-15	2e-07

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5266e+00	5.5276e+00	5e+00	1e+00	3e-16	1e-01
2:	6.9685e+00	6.9685e+00	1e-01	4e-02	2e-15	3e-03
3:	6.9997e+00	6.9997e+00	1e-03	4e-04	8e-16	3e-05
4:	7.0000e+00	7.0000e+00	1e-05	4e-06	8e-16	3e-07
5:	7.0000e+00	7.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	3.8112e+00	3.8104e+00	6e+00	2e+00	2e-16	2e-01
2:	6.6370e+00	6.6367e+00	2e+00	5e-01	1e-15	4e-02
3:	6.9350e+00	6.9349e+00	2e-01	6e-02	3e-15	5e-03
4:	6.9993e+00	6.9993e+00	2e-03	6e-04	4e-16	5e-05
5:	7.0000e+00	7.0000e+00	2e-05	6e-06	6e-16	5e-07
6:	7.0000e+00	7.0000e+00	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3026e+00	5.3042e+00	6e+00	2e+00	2e-16	1e-01
2:	6.9338e+00	6.9339e+00	3e-01	9e-02	3e-15	7e-03
3:	6.9993e+00	6.9993e+00	3e-03	9e-04	8e-16	7e-05
4:	7.0000e+00	7.0000e+00	3e-05	9e-06	9e-16	7e-07
5:	7.0000e+00	7.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7899e+00	4.7936e+00	6e+00	2e+00	3e-16	2e-01
2:	6.7617e+00	6.7625e+00	1e+00	4e-01	2e-15	3e-02
3:	6.9968e+00	6.9968e+00	1e-02	4e-03	2e-15	3e-04
4:	7.0000e+00	7.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	7.0000e+00	7.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2075e+00	5.2093e+00	6e+00	2e+00	4e-16	1e-01
2:	6.9562e+00	6.9563e+00	2e-01	6e-02	2e-15	5e-03
3:	6.9996e+00	6.9996e+00	2e-03	6e-04	6e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	6e-06	6e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	6e-08	7e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0487e+00	5.0523e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9461e+00	6.9463e+00	3e-01	8e-02	2e-15	6e-03
3:	6.9995e+00	6.9995e+00	3e-03	8e-04	1e-15	6e-05
4:	7.0000e+00	7.0000e+00	3e-05	8e-06	1e-15	6e-07

5: 7.0000e+00 7.0000e+00 3e-07 8e-08 9e-16 6e-09  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4824e+00	5.4835e+00	5e+00	2e+00	6e-16	1e-01
2:	6.9775e+00	6.9775e+00	8e-02	3e-02	1e-15	2e-03
3:	6.9998e+00	6.9998e+00	8e-04	3e-04	1e-15	2e-05
4:	7.0000e+00	7.0000e+00	8e-06	3e-06	1e-15	2e-07
5:	7.0000e+00	7.0000e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0508e+00	4.0519e+00	6e+00	2e+00	4e-16	2e-01
2:	6.5834e+00	6.5839e+00	2e+00	6e-01	2e-15	5e-02
3:	6.9788e+00	6.9788e+00	7e-02	2e-02	3e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	8e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	9e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.0776e+00	4.0809e+00	7e+00	2e+00	9e-16	2e-01
2:	6.7624e+00	6.7634e+00	1e+00	4e-01	3e-15	3e-02
3:	6.9774e+00	6.9775e+00	7e-02	2e-02	3e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	2e-15	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	2e-15	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7039e+00	4.7088e+00	7e+00	2e+00	1e-15	2e-01
2:	6.8770e+00	6.8776e+00	7e-01	2e-01	2e-15	2e-02
3:	6.9986e+00	6.9986e+00	7e-03	2e-03	2e-15	2e-04
4:	7.0000e+00	7.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	7.0000e+00	7.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7747e+00	4.7779e+00	7e+00	2e+00	3e-16	2e-01
2:	6.8518e+00	6.8523e+00	8e-01	2e-01	2e-15	2e-02
3:	6.9984e+00	6.9984e+00	8e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	8e-05	3e-05	6e-16	2e-06
5:	7.0000e+00	7.0000e+00	8e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0911e+00	5.0931e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9245e+00	6.9247e+00	4e-01	1e-01	2e-15	9e-03

3:	6.9992e+00	6.9992e+00	4e-03	1e-03	5e-16	9e-05
4:	7.0000e+00	7.0000e+00	4e-05	1e-05	7e-16	9e-07
5:	7.0000e+00	7.0000e+00	4e-07	1e-07	5e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7559e+00	4.7596e+00	7e+00	2e+00	5e-16	2e-01
2:	6.8614e+00	6.8620e+00	8e-01	2e-01	3e-15	2e-02
3:	6.9983e+00	6.9983e+00	9e-03	3e-03	1e-15	2e-04
4:	7.0000e+00	7.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	7.0000e+00	7.0000e+00	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3062e+00	5.3070e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9655e+00	6.9655e+00	2e-01	5e-02	3e-15	4e-03
3:	6.9997e+00	6.9997e+00	2e-03	5e-04	5e-16	4e-05
4:	7.0000e+00	7.0000e+00	2e-05	5e-06	5e-16	4e-07
5:	7.0000e+00	7.0000e+00	2e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7261e+00	5.7263e+00	4e+00	1e+00	5e-16	1e-01
2:	6.9852e+00	6.9852e+00	5e-02	2e-02	3e-15	1e-03
3:	6.9999e+00	6.9999e+00	5e-04	2e-04	1e-15	1e-05
4:	7.0000e+00	7.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	7.0000e+00	7.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2859e+00	5.2868e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9733e+00	6.9733e+00	1e-01	4e-02	2e-15	3e-03
3:	6.9997e+00	6.9997e+00	1e-03	4e-04	6e-16	3e-05
4:	7.0000e+00	7.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	7.0000e+00	7.0000e+00	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2389e+00	5.2403e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9728e+00	6.9728e+00	1e-01	4e-02	2e-15	3e-03
3:	6.9997e+00	6.9997e+00	1e-03	4e-04	1e-15	3e-05
4:	7.0000e+00	7.0000e+00	1e-05	4e-06	8e-16	3e-07
5:	7.0000e+00	7.0000e+00	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0229e+00	5.0247e+00	6e+00	2e+00	3e-16	2e-01
2:	6.9067e+00	6.9069e+00	5e-01	1e-01	2e-15	1e-02

3:	6.9991e+00	6.9991e+00	5e-03	1e-03	6e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	1e-05	6e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.2404e+00	4.2429e+00	7e+00	2e+00	6e-16	2e-01
2:	6.6060e+00	6.6070e+00	2e+00	6e-01	3e-15	5e-02
3:	6.9899e+00	6.9899e+00	4e-02	1e-02	2e-15	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	9e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	8e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2175e+00	5.2186e+00	6e+00	2e+00	5e-16	1e-01
2:	6.9529e+00	6.9529e+00	2e-01	7e-02	4e-15	5e-03
3:	6.9995e+00	6.9995e+00	2e-03	7e-04	5e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	7e-06	7e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5191e+00	5.5199e+00	5e+00	1e+00	3e-16	1e-01
2:	6.9804e+00	6.9804e+00	7e-02	2e-02	2e-15	2e-03
3:	6.9998e+00	6.9998e+00	7e-04	2e-04	7e-16	2e-05
4:	7.0000e+00	7.0000e+00	7e-06	2e-06	9e-16	2e-07
5:	7.0000e+00	7.0000e+00	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4251e+00	4.4297e+00	7e+00	2e+00	3e-16	2e-01
2:	6.7236e+00	6.7248e+00	1e+00	5e-01	2e-15	3e-02
3:	6.9901e+00	6.9902e+00	4e-02	1e-02	1e-15	9e-04
4:	6.9999e+00	6.9999e+00	4e-04	1e-04	6e-16	9e-06
5:	7.0000e+00	7.0000e+00	4e-06	1e-06	9e-16	9e-08
6:	7.0000e+00	7.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.5439e+00	4.5456e+00	7e+00	2e+00	3e-16	2e-01
2:	6.4489e+00	6.4498e+00	2e+00	8e-01	7e-16	6e-02
3:	6.9839e+00	6.9840e+00	7e-02	2e-02	1e-15	2e-03
4:	6.9998e+00	6.9998e+00	7e-04	2e-04	3e-16	2e-05
5:	7.0000e+00	7.0000e+00	7e-06	2e-06	5e-16	2e-07
6:	7.0000e+00	7.0000e+00	7e-08	2e-08	3e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.6554e+00	4.6563e+00	6e+00	2e+00	6e-16	2e-01
2:	6.6981e+00	6.6984e+00	1e+00	5e-01	2e-15	4e-02
3:	6.9962e+00	6.9963e+00	2e-02	6e-03	1e-15	4e-04
4:	7.0000e+00	7.0000e+00	2e-04	6e-05	9e-16	4e-06
5:	7.0000e+00	7.0000e+00	2e-06	6e-07	1e-15	4e-08
6:	7.0000e+00	7.0000e+00	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.0771e+00	4.0821e+00	7e+00	2e+00	4e-16	2e-01
2:	6.6645e+00	6.6659e+00	1e+00	4e-01	1e-15	3e-02
3:	6.9063e+00	6.9070e+00	3e-01	9e-02	3e-15	7e-03
4:	6.9990e+00	6.9990e+00	3e-03	1e-03	9e-16	8e-05
5:	7.0000e+00	7.0000e+00	3e-05	1e-05	8e-16	8e-07
6:	7.0000e+00	7.0000e+00	3e-07	1e-07	7e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6869e+00	5.6871e+00	4e+00	1e+00	3e-16	1e-01
2:	6.9850e+00	6.9850e+00	5e-02	2e-02	2e-15	1e-03
3:	6.9999e+00	6.9999e+00	5e-04	2e-04	6e-16	1e-05
4:	7.0000e+00	7.0000e+00	5e-06	2e-06	7e-16	1e-07
5:	7.0000e+00	7.0000e+00	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2118e+00	5.2136e+00	6e+00	2e+00	3e-16	1e-01
2:	6.8867e+00	6.8869e+00	5e-01	2e-01	1e-15	1e-02
3:	6.9988e+00	6.9988e+00	5e-03	2e-03	8e-16	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.7773e+00	4.7802e+00	7e+00	2e+00	4e-16	2e-01
2:	6.8838e+00	6.8842e+00	6e-01	2e-01	2e-15	1e-02
3:	6.9988e+00	6.9988e+00	6e-03	2e-03	7e-16	2e-04
4:	7.0000e+00	7.0000e+00	6e-05	2e-05	7e-16	2e-06
5:	7.0000e+00	7.0000e+00	6e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.3812e+00	4.3847e+00	7e+00	2e+00	3e-16	2e-01
2:	6.6504e+00	6.6516e+00	2e+00	5e-01	2e-15	4e-02
3:	6.9914e+00	6.9915e+00	3e-02	1e-02	2e-15	8e-04
4:	6.9999e+00	6.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	7.0000e+00	7.0000e+00	3e-06	1e-06	7e-16	8e-08



6: 7.0000e+00 7.0000e+00 3e-08 1e-08 8e-16 8e-10  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.3311e+00	5.3323e+00	6e+00	2e+00	3e-16	1e-01
2:	6.9539e+00	6.9540e+00	2e-01	6e-02	1e-15	5e-03
3:	6.9995e+00	6.9995e+00	2e-03	6e-04	9e-16	5e-05
4:	7.0000e+00	7.0000e+00	2e-05	6e-06	7e-16	5e-07
5:	7.0000e+00	7.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6274e+00	5.6280e+00	4e+00	1e+00	3e-16	1e-01
2:	6.9813e+00	6.9813e+00	6e-02	2e-02	2e-15	2e-03
3:	6.9998e+00	6.9998e+00	6e-04	2e-04	1e-15	2e-05
4:	7.0000e+00	7.0000e+00	6e-06	2e-06	8e-16	2e-07
5:	7.0000e+00	7.0000e+00	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9764e+00	4.9778e+00	7e+00	2e+00	3e-16	2e-01
2:	6.9004e+00	6.9005e+00	5e-01	2e-01	1e-15	1e-02
3:	6.9990e+00	6.9990e+00	5e-03	2e-03	1e-15	1e-04
4:	7.0000e+00	7.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	7.0000e+00	7.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5530e+00	5.5537e+00	5e+00	1e+00	9e-16	1e-01
2:	6.9810e+00	6.9810e+00	7e-02	2e-02	2e-15	2e-03
3:	6.9998e+00	6.9998e+00	7e-04	2e-04	1e-15	2e-05
4:	7.0000e+00	7.0000e+00	7e-06	2e-06	1e-15	2e-07
5:	7.0000e+00	7.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5626e+00	5.5652e+00	6e+00	2e+00	3e-16	2e-01
2:	7.8103e+00	7.8108e+00	8e-01	3e-01	1e-15	2e-02
3:	7.9969e+00	7.9969e+00	1e-02	4e-03	2e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2912e+00	6.2923e+00	5e+00	1e+00	6e-16	1e-01
2:	7.9660e+00	7.9661e+00	1e-01	3e-02	2e-15	3e-03
3:	7.9997e+00	7.9997e+00	1e-03	3e-04	1e-15	3e-05
4:	8.0000e+00	8.0000e+00	1e-05	3e-06	1e-15	3e-07

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5: 8.0000e+00 8.0000e+00 1e-07 3e-08 1e-15 3e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.7775e+00 5.7790e+00 6e+00 2e+00 3e-16 2e-01
2: 7.9420e+00 7.9421e+00 3e-01 8e-02 1e-15 7e-03
3: 7.9994e+00 7.9994e+00 3e-03 9e-04 6e-16 7e-05
4: 8.0000e+00 8.0000e+00 3e-05 9e-06 6e-16 7e-07
5: 8.0000e+00 8.0000e+00 3e-07 9e-08 4e-16 7e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.5807e+00 5.5840e+00 6e+00 2e+00 2e-16 1e-01
2: 7.6491e+00 7.6500e+00 1e+00 4e-01 2e-15 3e-02
3: 7.9932e+00 7.9932e+00 2e-02 7e-03 2e-15 5e-04
4: 7.9999e+00 7.9999e+00 2e-04 7e-05 1e-15 5e-06
5: 8.0000e+00 8.0000e+00 2e-06 7e-07 7e-16 5e-08
6: 8.0000e+00 8.0000e+00 2e-08 7e-09 1e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.8076e+00 5.8116e+00 6e+00 2e+00 3e-16 1e-01
2: 7.8326e+00 7.8330e+00 6e-01 2e-01 2e-15 1e-02
3: 7.9981e+00 7.9982e+00 7e-03 2e-03 1e-15 2e-04
4: 8.0000e+00 8.0000e+00 7e-05 2e-05 1e-15 2e-06
5: 8.0000e+00 8.0000e+00 7e-07 2e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 5.7309e+00 5.7332e+00 6e+00 2e+00 4e-16 2e-01
2: 7.8145e+00 7.8148e+00 7e-01 2e-01 9e-16 2e-02
3: 7.9980e+00 7.9980e+00 8e-03 2e-03 8e-16 2e-04
4: 8.0000e+00 8.0000e+00 8e-05 2e-05 1e-15 2e-06
5: 8.0000e+00 8.0000e+00 8e-07 2e-07 9e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.4709e+00 6.4713e+00 4e+00 1e+00 3e-16 1e-01
2: 7.9813e+00 7.9813e+00 6e-02 2e-02 1e-15 1e-03
3: 7.9998e+00 7.9998e+00 6e-04 2e-04 9e-16 1e-05
4: 8.0000e+00 8.0000e+00 6e-06 2e-06 1e-15 1e-07
5: 8.0000e+00 8.0000e+00 6e-08 2e-08 1e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 6.4289e+00 6.4293e+00 4e+00 1e+00 5e-16 1e-01
2: 7.9774e+00 7.9774e+00 7e-02 2e-02 2e-15 2e-03
3: 7.9998e+00 7.9998e+00 7e-04 2e-04 1e-15 2e-05

```

4:	8.0000e+00	8.0000e+00	7e-06	2e-06	1e-15	2e-07
5:	8.0000e+00	8.0000e+00	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1058e+00	6.1070e+00	5e+00	2e+00	6e-16	1e-01
2:	7.9259e+00	7.9259e+00	3e-01	8e-02	1e-15	7e-03
3:	7.9993e+00	7.9993e+00	3e-03	8e-04	1e-15	7e-05
4:	8.0000e+00	8.0000e+00	3e-05	8e-06	9e-16	7e-07
5:	8.0000e+00	8.0000e+00	3e-07	8e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.2677e+00	6.2690e+00	5e+00	2e+00	4e-16	1e-01
2:	7.9607e+00	7.9607e+00	1e-01	4e-02	3e-15	3e-03
3:	7.9996e+00	7.9996e+00	1e-03	4e-04	1e-15	3e-05
4:	8.0000e+00	8.0000e+00	1e-05	4e-06	7e-16	3e-07
5:	8.0000e+00	8.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6446e+00	5.6469e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8867e+00	7.8870e+00	5e-01	2e-01	3e-15	1e-02
3:	7.9988e+00	7.9988e+00	5e-03	2e-03	7e-16	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5399e+00	6.5401e+00	4e+00	1e+00	4e-16	1e-01
2:	7.9821e+00	7.9821e+00	5e-02	2e-02	2e-15	1e-03
3:	7.9998e+00	7.9998e+00	5e-04	2e-04	1e-15	1e-05
4:	8.0000e+00	8.0000e+00	5e-06	2e-06	2e-15	1e-07
5:	8.0000e+00	8.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9899e+00	5.9909e+00	6e+00	2e+00	4e-16	1e-01
2:	7.9421e+00	7.9422e+00	2e-01	7e-02	2e-15	6e-03
3:	7.9994e+00	7.9994e+00	2e-03	7e-04	5e-16	6e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	6e-16	6e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6777e+00	5.6820e+00	6e+00	2e+00	4e-16	1e-01
2:	7.7341e+00	7.7350e+00	1e+00	3e-01	3e-15	2e-02
3:	7.9962e+00	7.9962e+00	1e-02	4e-03	2e-15	3e-04

4:	8.0000e+00	8.0000e+00	1e-04	4e-05	1e-15	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1447e+00	6.1459e+00	5e+00	2e+00	3e-16	1e-01
2:	7.8441e+00	7.8443e+00	5e-01	2e-01	5e-15	1e-02
3:	7.9984e+00	7.9984e+00	5e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	2e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9104e+00	5.9116e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9509e+00	7.9510e+00	2e-01	7e-02	2e-15	5e-03
3:	7.9995e+00	7.9995e+00	2e-03	7e-04	7e-16	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	8e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0982e+00	6.0999e+00	5e+00	2e+00	4e-16	1e-01
2:	7.8525e+00	7.8527e+00	5e-01	2e-01	1e-15	1e-02
3:	7.9985e+00	7.9985e+00	5e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	9e-16	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4087e+00	5.4133e+00	7e+00	2e+00	2e-16	2e-01
2:	7.8916e+00	7.8921e+00	5e-01	2e-01	4e-15	1e-02
3:	7.9988e+00	7.9988e+00	6e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	6e-07	2e-07	8e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8348e+00	5.8365e+00	6e+00	2e+00	2e-16	1e-01
2:	7.9531e+00	7.9532e+00	2e-01	7e-02	1e-15	5e-03
3:	7.9995e+00	7.9995e+00	2e-03	7e-04	6e-16	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	8e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5842e+00	6.5843e+00	4e+00	1e+00	3e-16	9e-02
2:	7.9856e+00	7.9856e+00	4e-02	1e-02	3e-15	1e-03
3:	7.9999e+00	7.9999e+00	4e-04	1e-04	9e-16	1e-05

4:	8.0000e+00	8.0000e+00	4e-06	1e-06	1e-15	1e-07
5:	8.0000e+00	8.0000e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6278e+00	5.6284e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8802e+00	7.8802e+00	6e-01	2e-01	1e-15	1e-02
3:	7.9988e+00	7.9988e+00	6e-03	2e-03	7e-16	1e-04
4:	8.0000e+00	8.0000e+00	6e-05	2e-05	8e-16	1e-06
5:	8.0000e+00	8.0000e+00	6e-07	2e-07	5e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7106e+00	5.7133e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8384e+00	7.8388e+00	7e-01	2e-01	2e-15	2e-02
3:	7.9983e+00	7.9983e+00	7e-03	2e-03	7e-16	2e-04
4:	8.0000e+00	8.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0965e+00	6.0976e+00	5e+00	2e+00	6e-16	1e-01
2:	7.9759e+00	7.9759e+00	1e-01	3e-02	2e-15	2e-03
3:	7.9998e+00	7.9998e+00	1e-03	3e-04	7e-16	2e-05
4:	8.0000e+00	8.0000e+00	1e-05	3e-06	6e-16	2e-07
5:	8.0000e+00	8.0000e+00	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5310e+00	6.5312e+00	4e+00	1e+00	1e-15	1e-01
2:	7.9847e+00	7.9847e+00	5e-02	1e-02	4e-15	1e-03
3:	7.9998e+00	7.9998e+00	5e-04	1e-04	2e-15	1e-05
4:	8.0000e+00	8.0000e+00	5e-06	1e-06	2e-15	1e-07
5:	8.0000e+00	8.0000e+00	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3452e+00	6.3456e+00	5e+00	2e+00	3e-16	1e-01
2:	7.9684e+00	7.9684e+00	1e-01	3e-02	1e-15	3e-03
3:	7.9997e+00	7.9997e+00	1e-03	3e-04	5e-16	3e-05
4:	8.0000e+00	8.0000e+00	1e-05	3e-06	8e-16	3e-07
5:	8.0000e+00	8.0000e+00	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0105e+00	5.0149e+00	7e+00	2e+00	3e-16	2e-01
2:	7.5534e+00	7.5549e+00	2e+00	6e-01	2e-15	4e-02
3:	7.9834e+00	7.9834e+00	5e-02	2e-02	2e-15	1e-03

4:	7.9998e+00	7.9998e+00	5e-04	2e-04	5e-16	1e-05
5:	8.0000e+00	8.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	8.0000e+00	8.0000e+00	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3243e+00	6.3249e+00	5e+00	2e+00	4e-16	1e-01
2:	7.9547e+00	7.9548e+00	1e-01	5e-02	1e-15	4e-03
3:	7.9995e+00	7.9995e+00	1e-03	5e-04	1e-15	4e-05
4:	8.0000e+00	8.0000e+00	1e-05	5e-06	8e-16	4e-07
5:	8.0000e+00	8.0000e+00	1e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.0648e+00	5.0680e+00	7e+00	2e+00	4e-16	2e-01
2:	7.7788e+00	7.7796e+00	1e+00	3e-01	3e-15	3e-02
3:	7.9972e+00	7.9972e+00	1e-02	4e-03	1e-15	3e-04
4:	8.0000e+00	8.0000e+00	1e-04	4e-05	8e-16	3e-06
5:	8.0000e+00	8.0000e+00	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9746e+00	4.9815e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6364e+00	7.6384e+00	2e+00	5e-01	3e-15	4e-02
3:	7.9894e+00	7.9895e+00	3e-02	1e-02	2e-15	8e-04
4:	7.9999e+00	7.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	8.0000e+00	8.0000e+00	3e-06	1e-06	1e-15	8e-08
6:	8.0000e+00	8.0000e+00	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.8754e+00	5.8767e+00	6e+00	2e+00	4e-16	1e-01
2:	7.9508e+00	7.9508e+00	2e-01	7e-02	4e-15	5e-03
3:	7.9995e+00	7.9995e+00	2e-03	7e-04	8e-16	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	8e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4279e+00	5.4317e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8008e+00	7.8015e+00	9e-01	3e-01	2e-15	2e-02
3:	7.9978e+00	7.9978e+00	9e-03	3e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	9e-16	2e-06
5:	8.0000e+00	8.0000e+00	9e-07	3e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1645e+00	6.1656e+00	5e+00	2e+00	2e-16	1e-01

2:	7.9579e+00	7.9579e+00	1e-01	5e-02	4e-15	4e-03
3:	7.9996e+00	7.9996e+00	1e-03	5e-04	1e-15	4e-05
4:	8.0000e+00	8.0000e+00	1e-05	5e-06	8e-16	4e-07
5:	8.0000e+00	8.0000e+00	1e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3507e+00	6.3513e+00	5e+00	1e+00	3e-16	1e-01
2:	7.9358e+00	7.9358e+00	2e-01	7e-02	3e-15	5e-03
3:	7.9994e+00	7.9994e+00	2e-03	7e-04	1e-15	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	1e-15	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.4847e+00	5.4851e+00	7e+00	2e+00	9e-16	2e-01
2:	7.9193e+00	7.9193e+00	5e-01	2e-01	2e-15	1e-02
3:	7.9992e+00	7.9992e+00	5e-03	2e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7222e+00	5.7256e+00	6e+00	2e+00	7e-16	1e-01
2:	7.7927e+00	7.7932e+00	8e-01	3e-01	2e-15	2e-02
3:	7.9975e+00	7.9975e+00	9e-03	3e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5814e+00	6.5814e+00	4e+00	1e+00	4e-16	9e-02
2:	7.9849e+00	7.9849e+00	4e-02	1e-02	3e-15	1e-03
3:	7.9998e+00	7.9998e+00	4e-04	1e-04	2e-15	1e-05
4:	8.0000e+00	8.0000e+00	4e-06	1e-06	2e-15	1e-07
5:	8.0000e+00	8.0000e+00	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9275e+00	4.9344e+00	7e+00	2e+00	3e-16	2e-01
2:	7.6512e+00	7.6532e+00	2e+00	5e-01	3e-15	4e-02
3:	7.9909e+00	7.9910e+00	3e-02	9e-03	2e-15	7e-04
4:	7.9999e+00	7.9999e+00	3e-04	9e-05	6e-16	7e-06
5:	8.0000e+00	8.0000e+00	3e-06	9e-07	9e-16	7e-08
6:	8.0000e+00	8.0000e+00	3e-08	9e-09	7e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	6.5109e+00	6.5111e+00	4e+00	1e+00	5e-16	1e-01
2:	7.9792e+00	7.9792e+00	6e-02	2e-02	3e-15	2e-03
3:	7.9998e+00	7.9998e+00	6e-04	2e-04	1e-15	2e-05
4:	8.0000e+00	8.0000e+00	6e-06	2e-06	8e-16	2e-07
5:	8.0000e+00	8.0000e+00	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9921e+00	5.9937e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9449e+00	7.9450e+00	2e-01	7e-02	3e-15	5e-03
3:	7.9994e+00	7.9994e+00	2e-03	7e-04	7e-16	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	7e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.5200e+00	5.5220e+00	7e+00	2e+00	3e-16	2e-01
2:	7.8729e+00	7.8731e+00	6e-01	2e-01	3e-15	1e-02
3:	7.9987e+00	7.9987e+00	6e-03	2e-03	1e-15	2e-04
4:	8.0000e+00	8.0000e+00	6e-05	2e-05	1e-15	2e-06
5:	8.0000e+00	8.0000e+00	6e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0680e+00	5.0730e+00	7e+00	2e+00	2e-16	2e-01
2:	7.4724e+00	7.4743e+00	2e+00	6e-01	1e-15	5e-02
3:	7.9898e+00	7.9898e+00	4e-02	1e-02	2e-15	8e-04
4:	7.9999e+00	7.9999e+00	4e-04	1e-04	4e-16	8e-06
5:	8.0000e+00	8.0000e+00	4e-06	1e-06	6e-16	8e-08
6:	8.0000e+00	8.0000e+00	4e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7753e+00	5.7769e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9623e+00	7.9624e+00	2e-01	6e-02	3e-15	4e-03
3:	7.9996e+00	7.9996e+00	2e-03	6e-04	7e-16	4e-05
4:	8.0000e+00	8.0000e+00	2e-05	6e-06	6e-16	4e-07
5:	8.0000e+00	8.0000e+00	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9403e+00	5.9428e+00	6e+00	2e+00	6e-16	1e-01
2:	7.9014e+00	7.9016e+00	4e-01	1e-01	3e-15	9e-03
3:	7.9990e+00	7.9990e+00	4e-03	1e-03	8e-16	9e-05
4:	8.0000e+00	8.0000e+00	4e-05	1e-05	1e-15	9e-07
5:	8.0000e+00	8.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4573e+00	4.4616e+00	7e+00	2e+00	3e-16	2e-01
2:	7.3399e+00	7.3416e+00	2e+00	7e-01	2e-15	5e-02
3:	7.9515e+00	7.9520e+00	2e-01	6e-02	2e-15	5e-03
4:	7.9995e+00	7.9995e+00	2e-03	6e-04	4e-16	5e-05
5:	8.0000e+00	8.0000e+00	2e-05	6e-06	5e-16	5e-07
6:	8.0000e+00	8.0000e+00	2e-07	6e-08	5e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.4616e+00	4.4631e+00	6e+00	2e+00	5e-16	2e-01
2:	7.5671e+00	7.5677e+00	2e+00	6e-01	1e-15	4e-02
3:	7.9558e+00	7.9559e+00	1e-01	4e-02	2e-15	3e-03
4:	7.9996e+00	7.9996e+00	1e-03	4e-04	9e-16	3e-05
5:	8.0000e+00	8.0000e+00	1e-05	4e-06	7e-16	3e-07
6:	8.0000e+00	8.0000e+00	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.2968e+00	5.3005e+00	7e+00	2e+00	8e-16	2e-01
2:	7.7236e+00	7.7245e+00	1e+00	4e-01	2e-15	3e-02
3:	7.9953e+00	7.9953e+00	2e-02	5e-03	2e-15	4e-04
4:	8.0000e+00	8.0000e+00	2e-04	5e-05	1e-15	4e-06
5:	8.0000e+00	8.0000e+00	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7693e+00	5.7724e+00	6e+00	2e+00	3e-16	1e-01
2:	7.9251e+00	7.9253e+00	3e-01	1e-01	3e-15	7e-03
3:	7.9992e+00	7.9992e+00	3e-03	1e-03	1e-15	8e-05
4:	8.0000e+00	8.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	8.0000e+00	8.0000e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9460e+00	5.9487e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8767e+00	7.8769e+00	5e-01	1e-01	2e-15	1e-02
3:	7.9987e+00	7.9987e+00	5e-03	2e-03	9e-16	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0912e+00	6.0924e+00	6e+00	2e+00	3e-16	1e-01
2:	7.8729e+00	7.8730e+00	5e-01	1e-01	7e-16	1e-02
3:	7.9987e+00	7.9987e+00	5e-03	1e-03	1e-15	1e-04
4:	8.0000e+00	8.0000e+00	5e-05	1e-05	9e-16	1e-06
5:	8.0000e+00	8.0000e+00	5e-07	1e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7920e+00	5.7931e+00	6e+00	2e+00	3e-16	2e-01
2:	7.9556e+00	7.9556e+00	2e-01	7e-02	8e-16	5e-03
3:	7.9996e+00	7.9996e+00	2e-03	7e-04	5e-16	5e-05
4:	8.0000e+00	8.0000e+00	2e-05	7e-06	5e-16	5e-07
5:	8.0000e+00	8.0000e+00	2e-07	7e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9118e+00	6.9138e+00	5e+00	2e+00	3e-16	1e-01
2:	8.8736e+00	8.8738e+00	4e-01	1e-01	2e-15	9e-03
3:	8.9987e+00	8.9987e+00	4e-03	1e-03	2e-15	9e-05
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	2e-15	9e-07
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.7970e+00	5.8012e+00	7e+00	2e+00	3e-16	2e-01
2:	8.5577e+00	8.5590e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9898e+00	8.9898e+00	3e-02	1e-02	2e-15	7e-04
4:	8.9999e+00	8.9999e+00	3e-04	1e-04	5e-16	7e-06
5:	9.0000e+00	9.0000e+00	3e-06	1e-06	9e-16	7e-08
6:	9.0000e+00	9.0000e+00	3e-08	1e-08	9e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.2440e+00	4.2557e+00	7e+00	2e+00	3e-16	2e-01
2:	8.3682e+00	8.3708e+00	1e+00	3e-01	2e-15	2e-02
3:	8.9681e+00	8.9684e+00	1e-01	4e-02	1e-15	3e-03
4:	8.9886e+00	8.9887e+00	2e-02	7e-03	2e-14	6e-04
5:	8.9999e+00	8.9999e+00	2e-04	8e-05	1e-15	6e-06
6:	9.0000e+00	9.0000e+00	2e-06	8e-07	3e-15	6e-08
7:	9.0000e+00	9.0000e+00	2e-08	8e-09	3e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0635e+00	7.0645e+00	5e+00	2e+00	5e-16	1e-01
2:	8.9609e+00	8.9609e+00	1e-01	4e-02	2e-15	3e-03
3:	8.9996e+00	8.9996e+00	1e-03	4e-04	1e-15	3e-05
4:	9.0000e+00	9.0000e+00	1e-05	4e-06	1e-15	3e-07
5:	9.0000e+00	9.0000e+00	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7731e+00	6.7752e+00	6e+00	2e+00	3e-16	1e-01
2:	8.9106e+00	8.9108e+00	3e-01	9e-02	2e-15	7e-03

3:	8.9991e+00	8.9991e+00	3e-03	9e-04	1e-15	7e-05
4:	9.0000e+00	9.0000e+00	3e-05	9e-06	1e-15	7e-07
5:	9.0000e+00	9.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	4.9789e+00	4.9817e+00	7e+00	2e+00	3e-16	2e-01
2:	8.1608e+00	8.1621e+00	2e+00	7e-01	4e-15	5e-02
3:	8.9560e+00	8.9564e+00	2e-01	7e-02	3e-15	6e-03
4:	8.9995e+00	8.9995e+00	2e-03	8e-04	8e-16	6e-05
5:	9.0000e+00	9.0000e+00	2e-05	8e-06	6e-16	6e-07
6:	9.0000e+00	9.0000e+00	2e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5731e+00	6.5746e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7863e+00	8.7865e+00	8e-01	2e-01	2e-15	2e-02
3:	8.9975e+00	8.9975e+00	9e-03	3e-03	2e-15	2e-04
4:	9.0000e+00	9.0000e+00	9e-05	3e-05	2e-15	2e-06
5:	9.0000e+00	9.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7331e+00	6.7356e+00	6e+00	2e+00	6e-16	1e-01
2:	8.9429e+00	8.9430e+00	2e-01	6e-02	2e-15	4e-03
3:	8.9994e+00	8.9994e+00	2e-03	6e-04	7e-16	4e-05
4:	9.0000e+00	9.0000e+00	2e-05	6e-06	1e-15	4e-07
5:	9.0000e+00	9.0000e+00	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.0644e+00	5.0697e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6914e+00	8.6926e+00	1e+00	3e-01	1e-15	2e-02
3:	8.9155e+00	8.9161e+00	2e-01	7e-02	3e-15	5e-03
4:	8.9991e+00	8.9991e+00	2e-03	7e-04	6e-16	6e-05
5:	9.0000e+00	9.0000e+00	2e-05	7e-06	5e-16	6e-07
6:	9.0000e+00	9.0000e+00	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9010e+00	6.9022e+00	5e+00	2e+00	4e-16	1e-01
2:	8.8962e+00	8.8963e+00	3e-01	1e-01	2e-15	8e-03
3:	8.9990e+00	8.9990e+00	3e-03	1e-03	1e-15	8e-05
4:	9.0000e+00	9.0000e+00	3e-05	1e-05	9e-16	8e-07
5:	9.0000e+00	9.0000e+00	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.3735e+00	7.3736e+00	4e+00	1e+00	3e-16	1e-01
2:	8.9816e+00	8.9816e+00	5e-02	2e-02	3e-15	1e-03
3:	8.9998e+00	8.9998e+00	5e-04	2e-04	1e-15	1e-05
4:	9.0000e+00	9.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	9.0000e+00	9.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	4.9611e+00	4.9666e+00	7e+00	2e+00	6e-16	2e-01
2:	8.3484e+00	8.3497e+00	1e+00	3e-01	3e-15	2e-02
3:	8.8964e+00	8.8966e+00	1e-01	4e-02	1e-15	3e-03
4:	8.9778e+00	8.9779e+00	7e-03	2e-03	4e-15	2e-04
5:	8.9809e+00	8.9809e+00	1e-04	5e-05	3e-14	3e-06
6:	8.9810e+00	8.9810e+00	1e-06	5e-07	2e-14	3e-08
7:	8.9810e+00	8.9810e+00	1e-08	5e-09	2e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3416e+00	6.3437e+00	7e+00	2e+00	3e-16	2e-01
2:	8.9089e+00	8.9091e+00	4e-01	1e-01	2e-15	9e-03
3:	8.9991e+00	8.9991e+00	4e-03	1e-03	7e-16	9e-05
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	9e-16	9e-07
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7705e+00	6.7716e+00	6e+00	2e+00	6e-15	1e-01
2:	8.8165e+00	8.8166e+00	6e-01	2e-01	7e-15	1e-02
3:	8.9981e+00	8.9981e+00	6e-03	2e-03	7e-15	1e-04
4:	9.0000e+00	9.0000e+00	6e-05	2e-05	8e-15	1e-06
5:	9.0000e+00	9.0000e+00	6e-07	2e-07	8e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.1769e+00	5.1856e+00	7e+00	2e+00	3e-16	2e-01
2:	8.6563e+00	8.6583e+00	1e+00	4e-01	1e-15	3e-02
3:	8.9447e+00	8.9452e+00	1e-01	5e-02	4e-15	4e-03
4:	8.9994e+00	8.9994e+00	1e-03	5e-04	5e-16	4e-05
5:	9.0000e+00	9.0000e+00	1e-05	5e-06	6e-16	4e-07
6:	9.0000e+00	9.0000e+00	1e-07	5e-08	6e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5519e+00	6.5553e+00	6e+00	2e+00	3e-16	1e-01
2:	8.9262e+00	8.9264e+00	3e-01	8e-02	3e-15	6e-03
3:	8.9993e+00	8.9993e+00	3e-03	8e-04	6e-16	6e-05
4:	9.0000e+00	9.0000e+00	3e-05	8e-06	1e-15	6e-07
5:	9.0000e+00	9.0000e+00	3e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0319e+00	7.0331e+00	5e+00	2e+00	4e-16	1e-01
2:	8.9731e+00	8.9731e+00	8e-02	2e-02	3e-15	2e-03
3:	8.9997e+00	8.9997e+00	8e-04	2e-04	1e-15	2e-05
4:	9.0000e+00	9.0000e+00	8e-06	2e-06	7e-16	2e-07
5:	9.0000e+00	9.0000e+00	8e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2646e+00	7.2649e+00	4e+00	1e+00	7e-16	1e-01
2:	8.9778e+00	8.9778e+00	6e-02	2e-02	2e-15	2e-03
3:	8.9998e+00	8.9998e+00	6e-04	2e-04	1e-15	2e-05
4:	9.0000e+00	9.0000e+00	6e-06	2e-06	9e-16	2e-07
5:	9.0000e+00	9.0000e+00	6e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9690e+00	6.9707e+00	5e+00	2e+00	6e-16	1e-01
2:	8.9351e+00	8.9351e+00	2e-01	6e-02	2e-15	5e-03
3:	8.9993e+00	8.9993e+00	2e-03	6e-04	1e-15	5e-05
4:	9.0000e+00	9.0000e+00	2e-05	6e-06	2e-15	5e-07
5:	9.0000e+00	9.0000e+00	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.0684e+00	6.0710e+00	7e+00	2e+00	5e-16	2e-01
2:	8.6765e+00	8.6772e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9957e+00	8.9957e+00	1e-02	5e-03	2e-15	4e-04
4:	9.0000e+00	9.0000e+00	1e-04	5e-05	1e-15	4e-06
5:	9.0000e+00	9.0000e+00	1e-06	5e-07	8e-16	4e-08
6:	9.0000e+00	9.0000e+00	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6399e+00	6.6421e+00	6e+00	2e+00	6e-16	1e-01
2:	8.8069e+00	8.8072e+00	6e-01	2e-01	2e-15	2e-02
3:	8.9980e+00	8.9980e+00	7e-03	2e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	7e-05	2e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6701e+00	6.6722e+00	6e+00	2e+00	6e-16	1e-01
2:	8.8737e+00	8.8739e+00	4e-01	1e-01	1e-15	1e-02
3:	8.9987e+00	8.9987e+00	4e-03	1e-03	1e-15	1e-04
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	1e-15	1e-06

5: 9.0000e+00 9.0000e+00 4e-07 1e-07 1e-15 1e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2241e+00	7.2246e+00	4e+00	1e+00	4e-16	1e-01
2:	8.9707e+00	8.9708e+00	8e-02	3e-02	3e-15	2e-03
3:	8.9997e+00	8.9997e+00	8e-04	3e-04	9e-16	2e-05
4:	9.0000e+00	9.0000e+00	8e-06	3e-06	7e-16	2e-07
5:	9.0000e+00	9.0000e+00	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7845e+00	6.7864e+00	6e+00	2e+00	4e-16	1e-01
2:	8.8832e+00	8.8833e+00	4e-01	1e-01	2e-15	9e-03
3:	8.9988e+00	8.9988e+00	4e-03	1e-03	1e-15	9e-05
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	1e-15	9e-07
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4888e+00	6.4910e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8512e+00	8.8514e+00	6e-01	2e-01	2e-15	1e-02
3:	8.9984e+00	8.9985e+00	6e-03	2e-03	1e-15	1e-04
4:	9.0000e+00	9.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5039e+00	5.5098e+00	7e+00	2e+00	3e-16	2e-01
2:	8.4867e+00	8.4886e+00	2e+00	6e-01	2e-15	4e-02
3:	8.9836e+00	8.9837e+00	5e-02	2e-02	2e-15	1e-03
4:	8.9998e+00	8.9998e+00	5e-04	2e-04	8e-16	1e-05
5:	9.0000e+00	9.0000e+00	5e-06	2e-06	7e-16	1e-07
6:	9.0000e+00	9.0000e+00	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4461e+00	6.4490e+00	6e+00	2e+00	3e-16	1e-01
2:	8.7592e+00	8.7597e+00	8e-01	3e-01	1e-15	2e-02
3:	8.9973e+00	8.9973e+00	9e-03	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	9e-05	3e-05	1e-15	2e-06
5:	9.0000e+00	9.0000e+00	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.3279e+00	6.3309e+00	6e+00	2e+00	4e-16	1e-01
2:	8.8176e+00	8.8180e+00	7e-01	2e-01	2e-15	2e-02
3:	8.9980e+00	8.9980e+00	8e-03	2e-03	1e-15	2e-04

4:	9.0000e+00	9.0000e+00	8e-05	2e-05	9e-16	2e-06
5:	9.0000e+00	9.0000e+00	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9693e+00	6.9707e+00	5e+00	2e+00	9e-16	1e-01
2:	8.8866e+00	8.8867e+00	3e-01	1e-01	3e-15	8e-03
3:	8.9988e+00	8.9989e+00	3e-03	1e-03	2e-15	8e-05
4:	9.0000e+00	9.0000e+00	3e-05	1e-05	1e-15	8e-07
5:	9.0000e+00	9.0000e+00	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8633e+00	6.8646e+00	5e+00	2e+00	3e-16	1e-01
2:	8.9523e+00	8.9524e+00	2e-01	5e-02	4e-15	4e-03
3:	8.9995e+00	8.9995e+00	2e-03	5e-04	1e-15	4e-05
4:	9.0000e+00	9.0000e+00	2e-05	5e-06	1e-15	4e-07
5:	9.0000e+00	9.0000e+00	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9449e+00	5.9477e+00	7e+00	2e+00	5e-16	2e-01
2:	8.8931e+00	8.8935e+00	6e-01	2e-01	3e-15	1e-02
3:	8.9989e+00	8.9989e+00	6e-03	2e-03	1e-15	1e-04
4:	9.0000e+00	9.0000e+00	6e-05	2e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	6e-07	2e-07	9e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1738e+00	7.1744e+00	5e+00	1e+00	5e-16	1e-01
2:	8.9283e+00	8.9284e+00	2e-01	6e-02	2e-15	5e-03
3:	8.9993e+00	8.9993e+00	2e-03	6e-04	1e-15	5e-05
4:	9.0000e+00	9.0000e+00	2e-05	6e-06	1e-15	5e-07
5:	9.0000e+00	9.0000e+00	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9677e+00	5.9726e+00	7e+00	2e+00	3e-16	2e-01
2:	8.7367e+00	8.7376e+00	1e+00	3e-01	3e-15	2e-02
3:	8.9955e+00	8.9955e+00	1e-02	5e-03	2e-15	3e-04
4:	9.0000e+00	9.0000e+00	1e-04	5e-05	1e-15	3e-06
5:	9.0000e+00	9.0000e+00	1e-06	5e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9481e+00	5.9534e+00	6e+00	2e+00	3e-16	1e-01
2:	8.6497e+00	8.6510e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9925e+00	8.9925e+00	2e-02	7e-03	3e-15	5e-04

4:	8.9999e+00	8.9999e+00	2e-04	7e-05	2e-15	5e-06
5:	9.0000e+00	9.0000e+00	2e-06	7e-07	1e-15	5e-08
6:	9.0000e+00	9.0000e+00	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.4661e+00	6.4692e+00	6e+00	2e+00	3e-16	1e-01
2:	8.5005e+00	8.5015e+00	2e+00	5e-01	2e-15	4e-02
3:	8.9877e+00	8.9878e+00	4e-02	1e-02	2e-15	9e-04
4:	8.9999e+00	8.9999e+00	4e-04	1e-04	4e-16	9e-06
5:	9.0000e+00	9.0000e+00	4e-06	1e-06	6e-16	9e-08
6:	9.0000e+00	9.0000e+00	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8365e+00	6.8381e+00	6e+00	2e+00	4e-16	1e-01
2:	8.9285e+00	8.9286e+00	2e-01	7e-02	3e-15	5e-03
3:	8.9993e+00	8.9993e+00	2e-03	7e-04	8e-16	5e-05
4:	9.0000e+00	9.0000e+00	2e-05	7e-06	1e-15	5e-07
5:	9.0000e+00	9.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.9849e+00	5.9865e+00	7e+00	2e+00	6e-16	2e-01
2:	8.6956e+00	8.6960e+00	1e+00	4e-01	2e-15	3e-02
3:	8.9960e+00	8.9960e+00	1e-02	5e-03	1e-15	4e-04
4:	9.0000e+00	9.0000e+00	1e-04	5e-05	1e-15	4e-06
5:	9.0000e+00	9.0000e+00	1e-06	5e-07	1e-15	4e-08
6:	9.0000e+00	9.0000e+00	1e-08	5e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7521e+00	6.7541e+00	6e+00	2e+00	5e-16	1e-01
2:	8.9342e+00	8.9343e+00	2e-01	7e-02	3e-15	5e-03
3:	8.9993e+00	8.9993e+00	2e-03	7e-04	1e-15	5e-05
4:	9.0000e+00	9.0000e+00	2e-05	7e-06	1e-15	5e-07
5:	9.0000e+00	9.0000e+00	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0246e+00	7.0254e+00	5e+00	2e+00	5e-16	1e-01
2:	8.9647e+00	8.9647e+00	1e-01	3e-02	3e-15	3e-03
3:	8.9996e+00	8.9996e+00	1e-03	3e-04	7e-16	3e-05
4:	9.0000e+00	9.0000e+00	1e-05	3e-06	9e-16	3e-07

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0994e+00	7.1004e+00	5e+00	1e+00	4e-16	1e-01



2:	8.9387e+00	8.9388e+00	2e-01	5e-02	2e-15	4e-03
3:	8.9994e+00	8.9994e+00	2e-03	5e-04	1e-15	4e-05
4:	9.0000e+00	9.0000e+00	2e-05	5e-06	1e-15	4e-07
5:	9.0000e+00	9.0000e+00	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.4703e+00	5.4783e+00	7e+00	2e+00	5e-16	2e-01
2:	8.5882e+00	8.5904e+00	1e+00	4e-01	3e-15	3e-02
3:	8.9520e+00	8.9525e+00	1e-01	4e-02	3e-15	3e-03
4:	8.9995e+00	8.9995e+00	1e-03	4e-04	3e-16	3e-05
5:	9.0000e+00	9.0000e+00	1e-05	4e-06	5e-16	3e-07
6:	9.0000e+00	9.0000e+00	1e-07	4e-08	4e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1039e+00	7.1051e+00	5e+00	1e+00	4e-16	1e-01
2:	8.9478e+00	8.9479e+00	1e-01	5e-02	2e-15	4e-03
3:	8.9995e+00	8.9995e+00	1e-03	5e-04	1e-15	4e-05
4:	9.0000e+00	9.0000e+00	1e-05	5e-06	2e-15	4e-07
5:	9.0000e+00	9.0000e+00	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.5994e+00	6.6020e+00	6e+00	2e+00	3e-16	1e-01
2:	8.8540e+00	8.8543e+00	5e-01	2e-01	2e-15	1e-02
3:	8.9985e+00	8.9985e+00	5e-03	2e-03	9e-16	1e-04
4:	9.0000e+00	9.0000e+00	5e-05	2e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7927e+00	6.7938e+00	6e+00	2e+00	4e-16	1e-01
2:	8.9135e+00	8.9135e+00	3e-01	9e-02	1e-15	7e-03
3:	8.9991e+00	8.9991e+00	3e-03	9e-04	7e-16	7e-05
4:	9.0000e+00	9.0000e+00	3e-05	9e-06	8e-16	7e-07
5:	9.0000e+00	9.0000e+00	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7777e+00	6.7791e+00	6e+00	2e+00	8e-16	1e-01
2:	8.8796e+00	8.8797e+00	4e-01	1e-01	2e-15	9e-03
3:	8.9988e+00	8.9988e+00	4e-03	1e-03	1e-15	9e-05
4:	9.0000e+00	9.0000e+00	4e-05	1e-05	8e-16	9e-07
5:	9.0000e+00	9.0000e+00	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.0159e+00	7.0166e+00	5e+00	2e+00	5e-16	1e-01
2:	8.9651e+00	8.9652e+00	1e-01	3e-02	3e-15	3e-03
3:	8.9997e+00	8.9997e+00	1e-03	3e-04	9e-16	3e-05
4:	9.0000e+00	9.0000e+00	1e-05	3e-06	1e-15	3e-07
5:	9.0000e+00	9.0000e+00	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9874e+00	6.9888e+00	5e+00	2e+00	3e-16	1e-01
2:	8.8452e+00	8.8453e+00	5e-01	1e-01	3e-15	1e-02
3:	8.9984e+00	8.9984e+00	5e-03	1e-03	2e-15	1e-04
4:	9.0000e+00	9.0000e+00	5e-05	1e-05	1e-15	1e-06
5:	9.0000e+00	9.0000e+00	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3301e+00	7.3303e+00	4e+00	1e+00	4e-16	1e-01
2:	8.9815e+00	8.9815e+00	5e-02	2e-02	2e-15	1e-03
3:	8.9998e+00	8.9998e+00	5e-04	2e-04	1e-15	1e-05
4:	9.0000e+00	9.0000e+00	5e-06	2e-06	1e-15	1e-07
5:	9.0000e+00	9.0000e+00	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6767e+00	6.6793e+00	6e+00	2e+00	4e-16	1e-01
2:	8.7975e+00	8.7978e+00	6e-01	2e-01	2e-15	2e-02
3:	8.9978e+00	8.9978e+00	7e-03	2e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	7e-05	2e-05	2e-15	2e-06
5:	9.0000e+00	9.0000e+00	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2750e+00	6.2804e+00	6e+00	2e+00	4e-16	1e-01
2:	8.7458e+00	8.7467e+00	9e-01	3e-01	2e-15	2e-02
3:	8.9968e+00	8.9968e+00	1e-02	3e-03	1e-15	2e-04
4:	9.0000e+00	9.0000e+00	1e-04	3e-05	2e-15	2e-06
5:	9.0000e+00	9.0000e+00	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.8431e+00	6.8466e+00	7e+00	2e+00	4e-16	2e-01
2:	9.8178e+00	9.8183e+00	6e-01	2e-01	2e-15	2e-02
3:	9.9981e+00	9.9981e+00	7e-03	2e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	7e-05	2e-05	9e-16	2e-06
5:	1.0000e+01	1.0000e+01	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	7.2692e+00	7.2722e+00	6e+00	2e+00	3e-16	1e-01
2:	9.8257e+00	9.8261e+00	5e-01	2e-01	2e-15	1e-02
3:	9.9982e+00	9.9982e+00	6e-03	2e-03	1e-15	1e-04
4:	1.0000e+01	1.0000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.0000e+01	1.0000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0822e+00	7.0856e+00	6e+00	2e+00	4e-16	1e-01
2:	9.7334e+00	9.7340e+00	8e-01	3e-01	3e-15	2e-02
3:	9.9968e+00	9.9968e+00	1e-02	3e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	1e-06	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6930e+00	7.6941e+00	5e+00	2e+00	2e-16	1e-01
2:	9.9403e+00	9.9403e+00	2e-01	5e-02	3e-15	4e-03
3:	9.9994e+00	9.9994e+00	2e-03	5e-04	8e-16	4e-05
4:	1.0000e+01	1.0000e+01	2e-05	5e-06	1e-15	4e-07
5:	1.0000e+01	1.0000e+01	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9558e+00	7.9567e+00	4e+00	1e+00	4e-16	1e-01
2:	9.9458e+00	9.9459e+00	1e-01	4e-02	3e-15	3e-03
3:	9.9995e+00	9.9995e+00	1e-03	4e-04	1e-15	3e-05
4:	1.0000e+01	1.0000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.0000e+01	1.0000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9990e+00	7.9995e+00	4e+00	1e+00	2e-15	1e-01
2:	9.9703e+00	9.9703e+00	7e-02	2e-02	2e-15	2e-03
3:	9.9997e+00	9.9997e+00	7e-04	2e-04	2e-15	2e-05
4:	1.0000e+01	1.0000e+01	7e-06	2e-06	3e-15	2e-07

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6864e+00	7.6877e+00	5e+00	2e+00	6e-16	1e-01
2:	9.9502e+00	9.9502e+00	1e-01	4e-02	2e-15	3e-03
3:	9.9995e+00	9.9995e+00	1e-03	4e-04	1e-15	3e-05
4:	1.0000e+01	1.0000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.0000e+01	1.0000e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1483e+00	7.1510e+00	6e+00	2e+00	4e-16	1e-01

2:	9.9023e+00	9.9025e+00	3e-01	1e-01	2e-15	8e-03
3:	9.9990e+00	9.9990e+00	3e-03	1e-03	1e-15	8e-05
4:	1.0000e+01	1.0000e+01	3e-05	1e-05	9e-16	8e-07
5:	1.0000e+01	1.0000e+01	3e-07	1e-07	8e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5167e+00	7.5182e+00	6e+00	2e+00	4e-16	1e-01
2:	9.7725e+00	9.7727e+00	7e-01	2e-01	1e-15	2e-02
3:	9.9975e+00	9.9975e+00	7e-03	2e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	7e-05	2e-05	2e-15	2e-06
5:	1.0000e+01	1.0000e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2017e+00	7.2039e+00	6e+00	2e+00	1e-15	2e-01
2:	9.9010e+00	9.9012e+00	3e-01	1e-01	1e-15	8e-03
3:	9.9990e+00	9.9990e+00	3e-03	1e-03	9e-16	8e-05
4:	1.0000e+01	1.0000e+01	3e-05	1e-05	1e-15	8e-07
5:	1.0000e+01	1.0000e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3823e+00	7.3847e+00	6e+00	2e+00	8e-16	1e-01
2:	9.8363e+00	9.8366e+00	5e-01	2e-01	1e-15	1e-02
3:	9.9983e+00	9.9983e+00	5e-03	2e-03	2e-15	1e-04
4:	1.0000e+01	1.0000e+01	5e-05	2e-05	1e-15	1e-06
5:	1.0000e+01	1.0000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8668e+00	7.8678e+00	5e+00	2e+00	4e-16	1e-01
2:	9.9177e+00	9.9178e+00	2e-01	7e-02	2e-15	5e-03
3:	9.9992e+00	9.9992e+00	2e-03	7e-04	2e-15	5e-05
4:	1.0000e+01	1.0000e+01	2e-05	7e-06	1e-15	5e-07
5:	1.0000e+01	1.0000e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.7354e+00	6.7409e+00	7e+00	2e+00	2e-16	2e-01
2:	9.7112e+00	9.7122e+00	1e+00	3e-01	3e-15	2e-02
3:	9.9957e+00	9.9957e+00	1e-02	4e-03	2e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2709e+00	7.2736e+00	6e+00	2e+00	4e-16	1e-01

2:	9.8424e+00	9.8427e+00	5e-01	2e-01	2e-15	1e-02
3:	9.9982e+00	9.9982e+00	6e-03	2e-03	2e-15	1e-04
4:	1.0000e+01	1.0000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.0000e+01	1.0000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.2537e+00	6.2593e+00	7e+00	2e+00	4e-16	2e-01
2:	9.6692e+00	9.6705e+00	9e-01	3e-01	2e-15	2e-02
3:	9.9638e+00	9.9641e+00	1e-01	3e-02	4e-15	3e-03
4:	9.9996e+00	9.9996e+00	1e-03	4e-04	6e-16	3e-05
5:	1.0000e+01	1.0000e+01	1e-05	4e-06	9e-16	3e-07
6:	1.0000e+01	1.0000e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6430e+00	6.6478e+00	6e+00	2e+00	4e-16	1e-01
2:	9.3373e+00	9.3389e+00	2e+00	6e-01	3e-15	4e-02
3:	9.9296e+00	9.9302e+00	2e-01	7e-02	3e-15	5e-03
4:	9.9993e+00	9.9993e+00	2e-03	7e-04	8e-16	6e-05
5:	1.0000e+01	1.0000e+01	2e-05	7e-06	6e-16	6e-07
6:	1.0000e+01	1.0000e+01	2e-07	7e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3897e+00	7.3915e+00	6e+00	2e+00	4e-16	1e-01
2:	9.8569e+00	9.8571e+00	4e-01	1e-01	2e-15	1e-02
3:	9.9985e+00	9.9985e+00	4e-03	1e-03	7e-16	1e-04
4:	1.0000e+01	1.0000e+01	4e-05	1e-05	2e-15	1e-06
5:	1.0000e+01	1.0000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7565e+00	7.7575e+00	5e+00	2e+00	5e-16	1e-01
2:	9.8973e+00	9.8974e+00	3e-01	9e-02	1e-15	7e-03
3:	9.9990e+00	9.9990e+00	3e-03	9e-04	1e-15	7e-05
4:	1.0000e+01	1.0000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.0000e+01	1.0000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9017e+00	6.9065e+00	6e+00	2e+00	6e-16	1e-01
2:	9.7831e+00	9.7838e+00	7e-01	2e-01	2e-15	2e-02
3:	9.9973e+00	9.9973e+00	9e-03	3e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	9e-05	3e-05	2e-15	2e-06
5:	1.0000e+01	1.0000e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6253e+00	7.6269e+00	5e+00	2e+00	4e-16	1e-01
2:	9.9138e+00	9.9139e+00	2e-01	8e-02	3e-15	6e-03
3:	9.9991e+00	9.9991e+00	2e-03	8e-04	1e-15	6e-05
4:	1.0000e+01	1.0000e+01	2e-05	8e-06	1e-15	6e-07
5:	1.0000e+01	1.0000e+01	2e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1064e+00	8.1068e+00	4e+00	1e+00	8e-16	1e-01
2:	9.9423e+00	9.9423e+00	1e-01	4e-02	3e-15	3e-03
3:	9.9994e+00	9.9994e+00	1e-03	4e-04	2e-15	3e-05
4:	1.0000e+01	1.0000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.0000e+01	1.0000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7963e+00	7.7977e+00	5e+00	2e+00	3e-16	1e-01
2:	9.9137e+00	9.9138e+00	2e-01	7e-02	1e-15	6e-03
3:	9.9991e+00	9.9991e+00	2e-03	7e-04	2e-15	6e-05
4:	1.0000e+01	1.0000e+01	2e-05	7e-06	1e-15	6e-07
5:	1.0000e+01	1.0000e+01	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9486e+00	6.9530e+00	6e+00	2e+00	1e-15	1e-01
2:	9.4975e+00	9.4988e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9817e+00	9.9818e+00	5e-02	1e-02	3e-15	1e-03
4:	9.9998e+00	9.9998e+00	5e-04	1e-04	2e-15	1e-05
5:	1.0000e+01	1.0000e+01	5e-06	1e-06	1e-15	1e-07
6:	1.0000e+01	1.0000e+01	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.5388e+00	5.5445e+00	7e+00	2e+00	5e-16	2e-01
2:	9.4771e+00	9.4790e+00	2e+00	5e-01	1e-15	4e-02
3:	9.9623e+00	9.9625e+00	1e-01	3e-02	3e-15	2e-03
4:	9.9996e+00	9.9996e+00	1e-03	3e-04	8e-16	2e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	7e-16	2e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1725e+00	8.1727e+00	4e+00	1e+00	3e-16	1e-01
2:	9.9795e+00	9.9795e+00	5e-02	2e-02	2e-15	1e-03
3:	9.9998e+00	9.9998e+00	5e-04	2e-04	1e-15	1e-05
4:	1.0000e+01	1.0000e+01	5e-06	2e-06	1e-15	1e-07
5:	1.0000e+01	1.0000e+01	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.7364e+00	5.7456e+00	7e+00	2e+00	3e-16	2e-01
2:	9.3535e+00	9.3565e+00	2e+00	6e-01	2e-15	4e-02
3:	9.9665e+00	9.9669e+00	9e-02	3e-02	2e-15	2e-03
4:	9.9997e+00	9.9997e+00	1e-03	3e-04	5e-16	2e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	5e-16	2e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9488e+00	7.9492e+00	5e+00	1e+00	4e-16	1e-01
2:	9.9607e+00	9.9607e+00	1e-01	3e-02	3e-15	3e-03
3:	9.9996e+00	9.9996e+00	1e-03	3e-04	7e-16	3e-05
4:	1.0000e+01	1.0000e+01	1e-05	3e-06	1e-15	3e-07
5:	1.0000e+01	1.0000e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.1350e+00	6.1414e+00	7e+00	2e+00	3e-16	2e-01
2:	9.5428e+00	9.5446e+00	1e+00	5e-01	2e-15	3e-02
3:	9.9578e+00	9.9581e+00	1e-01	3e-02	2e-15	2e-03
4:	9.9996e+00	9.9996e+00	1e-03	3e-04	5e-16	2e-05
5:	1.0000e+01	1.0000e+01	1e-05	3e-06	5e-16	2e-07
6:	1.0000e+01	1.0000e+01	1e-07	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.5068e+00	5.5201e+00	8e+00	3e+00	5e-16	2e-01
2:	9.5875e+00	9.5907e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9685e+00	9.9690e+00	9e-02	3e-02	2e-15	2e-03
4:	9.9997e+00	9.9997e+00	9e-04	3e-04	6e-16	2e-05
5:	1.0000e+01	1.0000e+01	9e-06	3e-06	8e-16	2e-07
6:	1.0000e+01	1.0000e+01	9e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9620e+00	4.9726e+00	7e+00	2e+00	2e-16	2e-01
2:	9.5632e+00	9.5652e+00	8e-01	3e-01	3e-15	2e-02
3:	9.9530e+00	9.9533e+00	2e-01	5e-02	3e-15	4e-03
4:	9.9806e+00	9.9807e+00	4e-02	1e-02	3e-14	1e-03
5:	9.9998e+00	9.9998e+00	4e-04	1e-04	1e-15	1e-05
6:	1.0000e+01	1.0000e+01	4e-06	1e-06	2e-15	1e-07
7:	1.0000e+01	1.0000e+01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.0554e+00	8.0558e+00	4e+00	1e+00	4e-16	1e-01
2:	9.9693e+00	9.9693e+00	8e-02	2e-02	2e-15	2e-03
3:	9.9997e+00	9.9997e+00	8e-04	2e-04	2e-15	2e-05
4:	1.0000e+01	1.0000e+01	8e-06	2e-06	1e-15	2e-07
5:	1.0000e+01	1.0000e+01	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2051e+00	7.2080e+00	6e+00	2e+00	2e-15	1e-01
2:	9.8222e+00	9.8226e+00	6e-01	2e-01	3e-15	1e-02
3:	9.9980e+00	9.9980e+00	6e-03	2e-03	3e-15	1e-04
4:	1.0000e+01	1.0000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.0000e+01	1.0000e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8220e+00	7.8229e+00	5e+00	2e+00	6e-16	1e-01
2:	9.9243e+00	9.9243e+00	2e-01	6e-02	3e-15	5e-03
3:	9.9992e+00	9.9992e+00	2e-03	6e-04	1e-15	5e-05
4:	1.0000e+01	1.0000e+01	2e-05	6e-06	1e-15	5e-07
5:	1.0000e+01	1.0000e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9565e+00	6.9599e+00	7e+00	2e+00	4e-16	2e-01
2:	9.7601e+00	9.7607e+00	8e-01	3e-01	2e-15	2e-02
3:	9.9974e+00	9.9974e+00	8e-03	3e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	8e-05	3e-05	9e-16	2e-06
5:	1.0000e+01	1.0000e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5747e+00	7.5771e+00	5e+00	2e+00	3e-16	1e-01
2:	9.8959e+00	9.8961e+00	3e-01	9e-02	4e-15	7e-03
3:	9.9989e+00	9.9989e+00	3e-03	9e-04	2e-15	7e-05
4:	1.0000e+01	1.0000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.0000e+01	1.0000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4736e+00	7.4756e+00	6e+00	2e+00	7e-16	1e-01
2:	9.9043e+00	9.9044e+00	3e-01	9e-02	2e-15	7e-03
3:	9.9990e+00	9.9990e+00	3e-03	9e-04	8e-16	7e-05
4:	1.0000e+01	1.0000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.0000e+01	1.0000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00



1:	6.7250e+00	6.7307e+00	6e+00	2e+00	4e-16	1e-01
2:	9.4274e+00	9.4291e+00	2e+00	5e-01	2e-15	4e-02
3:	9.9866e+00	9.9867e+00	3e-02	1e-02	3e-15	8e-04
4:	9.9999e+00	9.9999e+00	3e-04	1e-04	7e-16	8e-06
5:	1.0000e+01	1.0000e+01	3e-06	1e-06	6e-16	8e-08
6:	1.0000e+01	1.0000e+01	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0596e+00	7.0633e+00	6e+00	2e+00	5e-16	1e-01
2:	9.6748e+00	9.6756e+00	1e+00	3e-01	1e-15	2e-02
3:	9.9952e+00	9.9952e+00	1e-02	4e-03	2e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1016e+00	8.1020e+00	4e+00	1e+00	3e-16	1e-01
2:	9.9760e+00	9.9760e+00	6e-02	2e-02	2e-15	1e-03
3:	9.9998e+00	9.9998e+00	6e-04	2e-04	1e-15	1e-05
4:	1.0000e+01	1.0000e+01	6e-06	2e-06	1e-15	1e-07
5:	1.0000e+01	1.0000e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9115e+00	6.9162e+00	6e+00	2e+00	3e-16	1e-01
2:	9.5967e+00	9.5978e+00	1e+00	4e-01	2e-15	3e-02
3:	9.9914e+00	9.9915e+00	2e-02	7e-03	2e-15	5e-04
4:	9.9999e+00	9.9999e+00	2e-04	7e-05	1e-15	5e-06
5:	1.0000e+01	1.0000e+01	2e-06	7e-07	1e-15	5e-08
6:	1.0000e+01	1.0000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1685e+00	8.1687e+00	4e+00	1e+00	4e-16	1e-01
2:	9.9798e+00	9.9798e+00	5e-02	1e-02	3e-15	1e-03
3:	9.9998e+00	9.9998e+00	5e-04	1e-04	2e-15	1e-05
4:	1.0000e+01	1.0000e+01	5e-06	1e-06	1e-15	1e-07
5:	1.0000e+01	1.0000e+01	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	5.6903e+00	5.6940e+00	7e+00	2e+00	4e-16	2e-01
2:	9.5957e+00	9.5966e+00	9e-01	3e-01	2e-15	2e-02
3:	9.9471e+00	9.9474e+00	2e-01	7e-02	4e-15	5e-03
4:	9.9969e+00	9.9969e+00	8e-03	3e-03	7e-15	2e-04
5:	1.0000e+01	1.0000e+01	8e-05	3e-05	2e-15	2e-06
6:	1.0000e+01	1.0000e+01	8e-07	3e-07	2e-15	2e-08

7: 1.0000e+01 1.0000e+01 8e-09 3e-09 2e-15 2e-10  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3327e+00	7.3344e+00	6e+00	2e+00	4e-16	2e-01
2:	9.8865e+00	9.8866e+00	4e-01	1e-01	1e-15	9e-03
3:	9.9989e+00	9.9989e+00	4e-03	1e-03	9e-16	9e-05
4:	1.0000e+01	1.0000e+01	4e-05	1e-05	7e-16	9e-07
5:	1.0000e+01	1.0000e+01	4e-07	1e-07	8e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1860e+00	7.1886e+00	6e+00	2e+00	2e-16	1e-01
2:	9.7719e+00	9.7723e+00	7e-01	2e-01	3e-15	2e-02
3:	9.9972e+00	9.9973e+00	8e-03	3e-03	1e-15	2e-04
4:	1.0000e+01	1.0000e+01	8e-05	3e-05	1e-15	2e-06
5:	1.0000e+01	1.0000e+01	8e-07	3e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.6995e+00	6.7032e+00	7e+00	2e+00	4e-16	2e-01
2:	9.7347e+00	9.7354e+00	1e+00	3e-01	3e-15	2e-02
3:	9.9959e+00	9.9959e+00	1e-02	4e-03	1e-15	3e-04
4:	1.0000e+01	1.0000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.0000e+01	1.0000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5706e+00	7.5724e+00	6e+00	2e+00	5e-16	1e-01
2:	9.9169e+00	9.9170e+00	2e-01	7e-02	2e-15	6e-03
3:	9.9992e+00	9.9992e+00	2e-03	7e-04	1e-15	6e-05
4:	1.0000e+01	1.0000e+01	2e-05	7e-06	1e-15	6e-07
5:	1.0000e+01	1.0000e+01	2e-07	7e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2021e+00	8.2022e+00	4e+00	1e+00	8e-16	1e-01
2:	9.9801e+00	9.9801e+00	5e-02	1e-02	3e-15	1e-03
3:	9.9998e+00	9.9998e+00	5e-04	1e-04	2e-15	1e-05
4:	1.0000e+01	1.0000e+01	5e-06	1e-06	2e-15	1e-07
5:	1.0000e+01	1.0000e+01	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0666e+00	7.0691e+00	6e+00	2e+00	2e-16	2e-01
2:	9.8516e+00	9.8519e+00	5e-01	2e-01	2e-15	1e-02
3:	9.9984e+00	9.9984e+00	6e-03	2e-03	1e-15	1e-04
4:	1.0000e+01	1.0000e+01	6e-05	2e-05	1e-15	1e-06

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5: 1.0000e+01 1.0000e+01 6e-07 2e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 6.1471e+00 6.1521e+00 7e+00 2e+00 5e-16 2e-01
2: 9.4304e+00 9.4319e+00 2e+00 5e-01 2e-15 4e-02
3: 9.9884e+00 9.9885e+00 4e-02 1e-02 3e-15 9e-04
4: 9.9999e+00 9.9999e+00 4e-04 1e-04 7e-16 9e-06
5: 1.0000e+01 1.0000e+01 4e-06 1e-06 8e-16 9e-08
6: 1.0000e+01 1.0000e+01 4e-08 1e-08 8e-16 9e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.4566e+00 7.4587e+00 6e+00 2e+00 4e-16 1e-01
2: 9.7754e+00 9.7757e+00 7e-01 2e-01 2e-15 2e-02
3: 9.9975e+00 9.9975e+00 7e-03 2e-03 1e-15 2e-04
4: 1.0000e+01 1.0000e+01 7e-05 2e-05 2e-15 2e-06
5: 1.0000e+01 1.0000e+01 7e-07 2e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.4373e+00 8.4386e+00 5e+00 2e+00 3e-16 1e-01
2: 1.0906e+01 1.0906e+01 2e-01 7e-02 1e-15 6e-03
3: 1.0999e+01 1.0999e+01 2e-03 7e-04 9e-16 6e-05
4: 1.1000e+01 1.1000e+01 2e-05 7e-06 1e-15 6e-07
5: 1.1000e+01 1.1000e+01 2e-07 7e-08 9e-16 6e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.6000e+00 7.6046e+00 6e+00 2e+00 3e-16 1e-01
2: 1.0460e+01 1.0461e+01 2e+00 5e-01 3e-15 4e-02
3: 1.0971e+01 1.0971e+01 7e-02 2e-02 2e-15 2e-03
4: 1.1000e+01 1.1000e+01 7e-04 2e-04 8e-16 2e-05
5: 1.1000e+01 1.1000e+01 7e-06 2e-06 7e-16 2e-07
6: 1.1000e+01 1.1000e+01 7e-08 2e-08 6e-16 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 7.6148e+00 7.6186e+00 6e+00 2e+00 5e-16 1e-01
2: 1.0425e+01 1.0426e+01 1e+00 5e-01 2e-15 3e-02
3: 1.0981e+01 1.0981e+01 5e-02 2e-02 2e-15 1e-03
4: 1.1000e+01 1.1000e+01 5e-04 2e-04 8e-16 1e-05
5: 1.1000e+01 1.1000e+01 5e-06 2e-06 6e-16 1e-07
6: 1.1000e+01 1.1000e+01 5e-08 2e-08 7e-16 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 8.9942e+00 8.9943e+00 4e+00 1e+00 5e-16 1e-01

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2:	1.0978e+01	1.0978e+01	5e-02	1e-02	3e-15	1e-03
3:	1.1000e+01	1.1000e+01	5e-04	1e-04	1e-15	1e-05
4:	1.1000e+01	1.1000e+01	5e-06	1e-06	1e-15	1e-07
5:	1.1000e+01	1.1000e+01	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1887e+00	7.1914e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0638e+01	1.0638e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0993e+01	1.0993e+01	2e-02	6e-03	2e-15	5e-04
4:	1.1000e+01	1.1000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.1000e+01	1.1000e+01	2e-06	6e-07	9e-16	5e-08
6:	1.1000e+01	1.1000e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5628e+00	8.5643e+00	5e+00	2e+00	3e-16	1e-01
2:	1.0942e+01	1.0942e+01	1e-01	4e-02	3e-15	3e-03
3:	1.0999e+01	1.0999e+01	1e-03	4e-04	1e-15	3e-05
4:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.1000e+01	1.1000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.0948e+00	7.0992e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0566e+01	1.0567e+01	8e-01	3e-01	2e-15	2e-02
3:	1.0893e+01	1.0893e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0982e+01	1.0982e+01	4e-02	1e-02	7e-15	1e-03
5:	1.1000e+01	1.1000e+01	5e-04	1e-04	1e-15	1e-05
6:	1.1000e+01	1.1000e+01	5e-06	1e-06	1e-15	1e-07
7:	1.1000e+01	1.1000e+01	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7338e+00	7.7378e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0622e+01	1.0623e+01	1e+00	3e-01	3e-15	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	1e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2526e+00	8.2544e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0875e+01	1.0875e+01	3e-01	1e-01	2e-15	8e-03
3:	1.0999e+01	1.0999e+01	3e-03	1e-03	8e-16	8e-05
4:	1.1000e+01	1.1000e+01	3e-05	1e-05	1e-15	8e-07
5:	1.1000e+01	1.1000e+01	3e-07	1e-07	9e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4906e+00	7.4943e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0629e+01	1.0630e+01	1e+00	3e-01	2e-15	3e-02
3:	1.0995e+01	1.0995e+01	1e-02	5e-03	2e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	5e-05	9e-16	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	5e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.1805e+00	7.1844e+00	7e+00	2e+00	6e-16	2e-01
2:	1.0110e+01	1.0112e+01	2e+00	7e-01	3e-15	5e-02
3:	1.0904e+01	1.0905e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0999e+01	1.0999e+01	3e-03	1e-03	8e-16	8e-05
5:	1.1000e+01	1.1000e+01	3e-05	1e-05	6e-16	8e-07
6:	1.1000e+01	1.1000e+01	3e-07	1e-07	6e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.9523e+00	5.9602e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0434e+01	1.0436e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0929e+01	1.0929e+01	2e-01	7e-02	2e-15	5e-03
4:	1.0992e+01	1.0992e+01	2e-02	5e-03	2e-14	4e-04
5:	1.1000e+01	1.1000e+01	2e-04	6e-05	2e-15	4e-06
6:	1.1000e+01	1.1000e+01	2e-06	6e-07	2e-15	4e-08
7:	1.1000e+01	1.1000e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8470e+00	8.8475e+00	4e+00	1e+00	3e-16	1e-01
2:	1.0974e+01	1.0974e+01	6e-02	2e-02	4e-15	1e-03
3:	1.1000e+01	1.1000e+01	6e-04	2e-04	1e-15	1e-05
4:	1.1000e+01	1.1000e+01	6e-06	2e-06	1e-15	1e-07
5:	1.1000e+01	1.1000e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4837e+00	8.4852e+00	5e+00	2e+00	2e-15	1e-01
2:	1.0764e+01	1.0764e+01	6e-01	2e-01	2e-15	1e-02
3:	1.0997e+01	1.0997e+01	6e-03	2e-03	3e-15	2e-04
4:	1.1000e+01	1.1000e+01	6e-05	2e-05	3e-15	2e-06
5:	1.1000e+01	1.1000e+01	6e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.8272e+00	6.8350e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0397e+01	1.0400e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0976e+01	1.0976e+01	6e-02	2e-02	3e-15	2e-03

4:	1.1000e+01	1.1000e+01	6e-04	2e-04	5e-16	2e-05
5:	1.1000e+01	1.1000e+01	6e-06	2e-06	7e-16	2e-07
6:	1.1000e+01	1.1000e+01	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6223e+00	7.6261e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0448e+01	1.0449e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0945e+01	1.0945e+01	1e-01	4e-02	3e-15	3e-03
4:	1.0999e+01	1.0999e+01	1e-03	4e-04	6e-16	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	6e-16	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.1141e+00	6.1184e+00	7e+00	2e+00	3e-16	2e-01
2:	9.8811e+00	9.8822e+00	1e+00	3e-01	1e-15	2e-02
3:	1.0464e+01	1.0464e+01	5e-02	2e-02	1e-15	1e-03
4:	1.0489e+01	1.0489e+01	5e-04	2e-04	7e-16	1e-05
5:	1.0489e+01	1.0489e+01	5e-06	2e-06	8e-16	1e-07
6:	1.0489e+01	1.0489e+01	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4513e+00	8.4527e+00	5e+00	2e+00	7e-16	1e-01
2:	1.0907e+01	1.0908e+01	2e-01	7e-02	4e-15	6e-03
3:	1.0999e+01	1.0999e+01	2e-03	7e-04	2e-15	6e-05
4:	1.1000e+01	1.1000e+01	2e-05	7e-06	2e-15	6e-07
5:	1.1000e+01	1.1000e+01	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9593e+00	7.9615e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0632e+01	1.0632e+01	1e+00	3e-01	9e-16	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	1e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	8e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7257e+00	7.7294e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0677e+01	1.0678e+01	1e+00	3e-01	3e-15	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	1e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	8.0505e+00	8.0537e+00	6e+00	2e+00	2e-15	1e-01
2:	1.0760e+01	1.0760e+01	7e-01	2e-01	3e-15	2e-02
3:	1.0997e+01	1.0997e+01	9e-03	3e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	9e-05	3e-05	3e-15	2e-06
5:	1.1000e+01	1.1000e+01	9e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5325e+00	8.5333e+00	5e+00	2e+00	3e-16	1e-01
2:	1.0812e+01	1.0812e+01	5e-01	1e-01	2e-15	1e-02
3:	1.0998e+01	1.0998e+01	5e-03	1e-03	1e-15	1e-04
4:	1.1000e+01	1.1000e+01	5e-05	1e-05	2e-15	1e-06
5:	1.1000e+01	1.1000e+01	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9266e+00	7.9299e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0876e+01	1.0877e+01	4e-01	1e-01	2e-15	8e-03
3:	1.0999e+01	1.0999e+01	4e-03	1e-03	8e-16	9e-05
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	1e-15	9e-07
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4698e+00	7.4743e+00	7e+00	2e+00	4e-16	2e-01
2:	1.0750e+01	1.0751e+01	8e-01	3e-01	3e-15	2e-02
3:	1.0997e+01	1.0997e+01	9e-03	3e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	9e-05	3e-05	1e-15	2e-06
5:	1.1000e+01	1.1000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8968e+00	8.8971e+00	4e+00	1e+00	1e-15	1e-01
2:	1.0937e+01	1.0937e+01	1e-01	4e-02	2e-15	3e-03
3:	1.0999e+01	1.0999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.1000e+01	1.1000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8482e+00	8.8486e+00	4e+00	1e+00	8e-16	1e-01
2:	1.0937e+01	1.0937e+01	1e-01	4e-02	3e-15	3e-03
3:	1.0999e+01	1.0999e+01	1e-03	4e-04	1e-15	3e-05
4:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.1000e+01	1.1000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	6.0848e+00	6.0899e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0729e+01	1.0730e+01	6e-01	2e-01	2e-15	1e-02
3:	1.0944e+01	1.0945e+01	9e-02	3e-02	9e-16	2e-03
4:	1.0980e+01	1.0980e+01	7e-03	2e-03	8e-15	2e-04
5:	1.0983e+01	1.0983e+01	1e-04	3e-05	3e-15	3e-06
6:	1.0983e+01	1.0983e+01	1e-06	3e-07	1e-14	3e-08
7:	1.0983e+01	1.0983e+01	1e-08	3e-09	1e-14	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1545e+00	8.1571e+00	6e+00	2e+00	4e-16	1e-01
2:	1.0783e+01	1.0783e+01	6e-01	2e-01	2e-15	1e-02
3:	1.0998e+01	1.0998e+01	6e-03	2e-03	1e-15	1e-04
4:	1.1000e+01	1.1000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.1000e+01	1.1000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.9902e+00	6.9962e+00	7e+00	2e+00	5e-16	2e-01
2:	1.0573e+01	1.0575e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0984e+01	1.0984e+01	4e-02	1e-02	3e-15	9e-04
4:	1.1000e+01	1.1000e+01	4e-04	1e-04	9e-16	9e-06
5:	1.1000e+01	1.1000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.1000e+01	1.1000e+01	4e-08	1e-08	8e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7694e+00	8.7702e+00	4e+00	1e+00	2e-15	1e-01
2:	1.0949e+01	1.0950e+01	1e-01	4e-02	4e-15	3e-03
3:	1.0999e+01	1.0999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.1000e+01	1.1000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.1000e+01	1.1000e+01	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.2911e+00	7.2941e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0683e+01	1.0684e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	2e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	8e-16	3e-08
6:	1.1000e+01	1.1000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	4.9681e+00	4.9788e+00	8e+00	3e+00	3e-16	2e-01
2:	8.8419e+00	8.8446e+00	1e+00	4e-01	1e-15	3e-02
3:	9.4718e+00	9.4722e+00	2e-01	5e-02	9e-16	4e-03
4:	9.5579e+00	9.5579e+00	3e-03	1e-03	9e-16	8e-05



5:	9.5597e+00	9.5597e+00	3e-05	1e-05	8e-16	8e-07
6:	9.5597e+00	9.5597e+00	3e-07	1e-07	8e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8397e+00	8.8402e+00	4e+00	1e+00	4e-16	1e-01
2:	1.0920e+01	1.0920e+01	2e-01	6e-02	2e-15	4e-03
3:	1.0999e+01	1.0999e+01	2e-03	6e-04	2e-15	4e-05
4:	1.1000e+01	1.1000e+01	2e-05	6e-06	2e-15	4e-07
5:	1.1000e+01	1.1000e+01	2e-07	6e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7480e+00	8.7488e+00	5e+00	1e+00	6e-16	1e-01
2:	1.0927e+01	1.0927e+01	2e-01	5e-02	2e-15	4e-03
3:	1.0999e+01	1.0999e+01	2e-03	5e-04	1e-15	4e-05
4:	1.1000e+01	1.1000e+01	2e-05	5e-06	2e-15	4e-07
5:	1.1000e+01	1.1000e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4521e+00	8.4530e+00	5e+00	2e+00	4e-16	1e-01
2:	1.0943e+01	1.0943e+01	2e-01	5e-02	1e-15	4e-03
3:	1.0999e+01	1.0999e+01	2e-03	5e-04	1e-15	4e-05
4:	1.1000e+01	1.1000e+01	2e-05	5e-06	1e-15	4e-07
5:	1.1000e+01	1.1000e+01	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6693e+00	8.6702e+00	5e+00	2e+00	4e-16	1e-01
2:	1.0947e+01	1.0947e+01	1e-01	4e-02	4e-15	3e-03
3:	1.0999e+01	1.0999e+01	1e-03	4e-04	1e-15	3e-05
4:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.1000e+01	1.1000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8144e+00	7.8181e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0529e+01	1.0530e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0966e+01	1.0967e+01	9e-02	3e-02	2e-15	2e-03
4:	1.1000e+01	1.1000e+01	9e-04	3e-04	6e-16	2e-05
5:	1.1000e+01	1.1000e+01	9e-06	3e-06	4e-16	2e-07
6:	1.1000e+01	1.1000e+01	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0051e+00	8.0075e+00	6e+00	2e+00	7e-16	1e-01
2:	1.0870e+01	1.0870e+01	4e-01	1e-01	2e-15	9e-03

3:	1.0999e+01	1.0999e+01	4e-03	1e-03	2e-15	1e-04
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	2e-15	1e-06
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.7808e+00	6.7821e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0436e+01	1.0437e+01	1e+00	5e-01	3e-15	4e-02
3:	1.0982e+01	1.0982e+01	5e-02	2e-02	4e-15	1e-03
4:	1.1000e+01	1.1000e+01	5e-04	2e-04	8e-16	1e-05
5:	1.1000e+01	1.1000e+01	5e-06	2e-06	7e-16	1e-07
6:	1.1000e+01	1.1000e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4095e+00	8.4111e+00	5e+00	2e+00	5e-16	1e-01
2:	1.0848e+01	1.0848e+01	4e-01	1e-01	2e-15	9e-03
3:	1.0998e+01	1.0998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3102e+00	8.3119e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0744e+01	1.0744e+01	6e-01	2e-01	1e-15	2e-02
3:	1.0997e+01	1.0997e+01	7e-03	2e-03	2e-15	2e-04
4:	1.1000e+01	1.1000e+01	7e-05	2e-05	1e-15	2e-06
5:	1.1000e+01	1.1000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5049e+00	8.5063e+00	5e+00	2e+00	1e-15	1e-01
2:	1.0840e+01	1.0841e+01	4e-01	1e-01	3e-15	9e-03
3:	1.0998e+01	1.0998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6941e+00	7.6969e+00	6e+00	2e+00	4e-16	2e-01
2:	1.0667e+01	1.0667e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0995e+01	1.0995e+01	1e-02	4e-03	1e-15	3e-04
4:	1.1000e+01	1.1000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.1000e+01	1.1000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6341e+00	6.6440e+00	7e+00	2e+00	4e-16	2e-01

2:	1.0434e+01	1.0436e+01	1e+00	3e-01	2e-15	2e-02
3:	1.0897e+01	1.0898e+01	3e-01	9e-02	2e-15	7e-03
4:	1.0993e+01	1.0993e+01	2e-02	5e-03	6e-15	4e-04
5:	1.1000e+01	1.1000e+01	2e-04	5e-05	1e-15	4e-06
6:	1.1000e+01	1.1000e+01	2e-06	5e-07	8e-16	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	6.4937e+00	6.5000e+00	7e+00	2e+00	8e-16	2e-01
2:	1.0461e+01	1.0463e+01	1e+00	5e-01	2e-15	3e-02
3:	1.0949e+01	1.0949e+01	1e-01	4e-02	4e-15	3e-03
4:	1.0999e+01	1.0999e+01	1e-03	4e-04	1e-15	3e-05
5:	1.1000e+01	1.1000e+01	1e-05	4e-06	1e-15	3e-07
6:	1.1000e+01	1.1000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2707e+00	7.2770e+00	6e+00	2e+00	1e-15	1e-01
2:	1.0657e+01	1.0658e+01	9e-01	3e-01	4e-15	2e-02
3:	1.0976e+01	1.0976e+01	7e-02	2e-02	3e-15	2e-03
4:	1.1000e+01	1.1000e+01	7e-04	2e-04	1e-15	2e-05
5:	1.1000e+01	1.1000e+01	7e-06	2e-06	1e-15	2e-07
6:	1.1000e+01	1.1000e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.7160e+00	7.7188e+00	7e+00	2e+00	3e-16	2e-01
2:	1.0872e+01	1.0873e+01	4e-01	1e-01	3e-15	1e-02
3:	1.0999e+01	1.0999e+01	4e-03	1e-03	8e-16	1e-04
4:	1.1000e+01	1.1000e+01	4e-05	1e-05	9e-16	1e-06
5:	1.1000e+01	1.1000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4312e+00	8.4323e+00	6e+00	2e+00	3e-16	1e-01
2:	1.0909e+01	1.0909e+01	2e-01	7e-02	1e-15	6e-03
3:	1.0999e+01	1.0999e+01	2e-03	7e-04	6e-16	6e-05
4:	1.1000e+01	1.1000e+01	2e-05	7e-06	1e-15	6e-07
5:	1.1000e+01	1.1000e+01	2e-07	7e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.9577e+00	7.9612e+00	6e+00	2e+00	5e-16	1e-01
2:	1.0359e+01	1.0360e+01	2e+00	5e-01	2e-15	4e-02
3:	1.0988e+01	1.0988e+01	3e-02	9e-03	2e-15	7e-04
4:	1.1000e+01	1.1000e+01	3e-04	9e-05	6e-16	7e-06
5:	1.1000e+01	1.1000e+01	3e-06	9e-07	8e-16	7e-08
6:	1.1000e+01	1.1000e+01	3e-08	9e-09	6e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0242e+00	9.0242e+00	4e+00	1e+00	3e-16	1e-01
2:	1.0977e+01	1.0977e+01	5e-02	2e-02	3e-15	1e-03
3:	1.1000e+01	1.1000e+01	5e-04	2e-04	1e-15	1e-05
4:	1.1000e+01	1.1000e+01	5e-06	2e-06	1e-15	1e-07
5:	1.1000e+01	1.1000e+01	5e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1588e+00	9.1604e+00	5e+00	2e+00	5e-16	1e-01
2:	1.1804e+01	1.1804e+01	4e-01	1e-01	3e-15	1e-02
3:	1.1998e+01	1.1998e+01	4e-03	1e-03	1e-15	1e-04
4:	1.2000e+01	1.2000e+01	4e-05	1e-05	1e-15	1e-06
5:	1.2000e+01	1.2000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8273e+00	7.8308e+00	7e+00	2e+00	7e-16	2e-01
2:	1.1010e+01	1.1011e+01	2e+00	7e-01	1e-15	5e-02
3:	1.1959e+01	1.1959e+01	1e-01	4e-02	2e-15	3e-03
4:	1.2000e+01	1.2000e+01	1e-03	4e-04	7e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	6e-16	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1219e+00	9.1239e+00	5e+00	2e+00	3e-16	1e-01
2:	1.1763e+01	1.1763e+01	6e-01	2e-01	3e-15	1e-02
3:	1.1997e+01	1.1997e+01	7e-03	2e-03	3e-15	2e-04
4:	1.2000e+01	1.2000e+01	7e-05	2e-05	1e-15	2e-06
5:	1.2000e+01	1.2000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5650e+00	8.5679e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1568e+01	1.1569e+01	1e+00	3e-01	1e-15	3e-02
3:	1.1993e+01	1.1993e+01	2e-02	5e-03	1e-15	4e-04
4:	1.2000e+01	1.2000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.2000e+01	1.2000e+01	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.1722e+00	8.1771e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1533e+01	1.1534e+01	1e+00	4e-01	3e-15	3e-02
3:	1.1984e+01	1.1984e+01	3e-02	1e-02	3e-15	8e-04
4:	1.2000e+01	1.2000e+01	3e-04	1e-04	1e-15	8e-06

5:	1.2000e+01	1.2000e+01	3e-06	1e-06	1e-15	8e-08
6:	1.2000e+01	1.2000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8163e+00	7.8235e+00	7e+00	2e+00	6e-16	1e-01
2:	1.1289e+01	1.1291e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1960e+01	1.1961e+01	1e-01	3e-02	2e-15	3e-03
4:	1.2000e+01	1.2000e+01	1e-03	3e-04	7e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	3e-06	8e-16	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	3e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6103e+00	7.6181e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1695e+01	1.1697e+01	1e+00	3e-01	1e-15	2e-02
3:	1.1977e+01	1.1977e+01	5e-02	2e-02	3e-15	1e-03
4:	1.2000e+01	1.2000e+01	5e-04	2e-04	9e-16	1e-05
5:	1.2000e+01	1.2000e+01	5e-06	2e-06	9e-16	1e-07

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7567e+00	8.7595e+00	6e+00	2e+00	1e-15	1e-01
2:	1.1496e+01	1.1497e+01	1e+00	4e-01	4e-15	3e-02
3:	1.1986e+01	1.1986e+01	3e-02	1e-02	2e-15	7e-04
4:	1.2000e+01	1.2000e+01	3e-04	1e-04	2e-15	7e-06
5:	1.2000e+01	1.2000e+01	3e-06	1e-06	1e-15	7e-08
6:	1.2000e+01	1.2000e+01	3e-08	1e-08	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7260e+00	8.7288e+00	6e+00	2e+00	7e-16	1e-01
2:	1.1676e+01	1.1677e+01	8e-01	3e-01	2e-15	2e-02
3:	1.1995e+01	1.1995e+01	1e-02	3e-03	2e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	3e-05	1e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	3e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.3592e+00	8.3625e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1761e+01	1.1762e+01	7e-01	2e-01	2e-15	2e-02
3:	1.1997e+01	1.1997e+01	7e-03	2e-03	1e-15	2e-04
4:	1.2000e+01	1.2000e+01	7e-05	2e-05	7e-16	2e-06
5:	1.2000e+01	1.2000e+01	7e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6327e+00	8.6374e+00	6e+00	2e+00	3e-16	1e-01

2:	1.1622e+01	1.1623e+01	9e-01	3e-01	2e-15	2e-02
3:	1.1991e+01	1.1991e+01	2e-02	6e-03	3e-15	5e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.2000e+01	1.2000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9616e+00	8.9633e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1819e+01	1.1819e+01	5e-01	1e-01	4e-15	1e-02
3:	1.1998e+01	1.1998e+01	5e-03	2e-03	2e-15	1e-04
4:	1.2000e+01	1.2000e+01	5e-05	2e-05	1e-15	1e-06
5:	1.2000e+01	1.2000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.8042e+00	8.8058e+00	6e+00	2e+00	7e-16	2e-01
2:	1.1768e+01	1.1768e+01	6e-01	2e-01	2e-15	1e-02
3:	1.1998e+01	1.1998e+01	6e-03	2e-03	1e-15	1e-04
4:	1.2000e+01	1.2000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.2000e+01	1.2000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2504e+00	7.2572e+00	7e+00	2e+00	5e-16	2e-01
2:	1.1552e+01	1.1553e+01	1e+00	3e-01	2e-15	2e-02
3:	1.1958e+01	1.1958e+01	2e-01	5e-02	3e-15	4e-03
4:	1.1999e+01	1.1999e+01	3e-03	1e-03	7e-15	8e-05
5:	1.2000e+01	1.2000e+01	3e-05	1e-05	3e-15	8e-07
6:	1.2000e+01	1.2000e+01	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7238e+00	8.7275e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1666e+01	1.1666e+01	8e-01	3e-01	2e-15	2e-02
3:	1.1995e+01	1.1995e+01	1e-02	4e-03	3e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8091e+00	9.8092e+00	4e+00	1e+00	7e-16	1e-01
2:	1.1959e+01	1.1959e+01	8e-02	2e-02	4e-15	2e-03
3:	1.2000e+01	1.2000e+01	8e-04	2e-04	3e-15	2e-05
4:	1.2000e+01	1.2000e+01	8e-06	2e-06	3e-15	2e-07
5:	1.2000e+01	1.2000e+01	8e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.4872e+00	7.4932e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1236e+01	1.1238e+01	2e+00	6e-01	3e-15	4e-02
3:	1.1985e+01	1.1985e+01	4e-02	1e-02	2e-15	9e-04
4:	1.2000e+01	1.2000e+01	4e-04	1e-04	7e-16	9e-06
5:	1.2000e+01	1.2000e+01	4e-06	1e-06	8e-16	9e-08
6:	1.2000e+01	1.2000e+01	4e-08	1e-08	6e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5032e+00	9.5041e+00	5e+00	1e+00	7e-16	1e-01
2:	1.1829e+01	1.1829e+01	4e-01	1e-01	3e-15	9e-03
3:	1.1998e+01	1.1998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.2000e+01	1.2000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.2000e+01	1.2000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	5.7723e+00	5.7790e+00	8e+00	2e+00	4e-16	2e-01
2:	1.0412e+01	1.0414e+01	1e+00	4e-01	2e-15	3e-02
3:	1.0825e+01	1.0826e+01	5e-01	2e-01	2e-15	1e-02
4:	1.1118e+01	1.1118e+01	5e-02	2e-02	7e-16	1e-03
5:	1.1138e+01	1.1138e+01	5e-04	2e-04	6e-16	1e-05
6:	1.1138e+01	1.1138e+01	5e-06	2e-06	8e-16	1e-07
7:	1.1138e+01	1.1138e+01	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3978e+00	9.3987e+00	5e+00	2e+00	9e-16	1e-01
2:	1.1816e+01	1.1816e+01	4e-01	1e-01	2e-15	1e-02
3:	1.1998e+01	1.1998e+01	4e-03	1e-03	2e-15	1e-04
4:	1.2000e+01	1.2000e+01	4e-05	1e-05	2e-15	1e-06
5:	1.2000e+01	1.2000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8052e+00	9.8054e+00	4e+00	1e+00	6e-16	1e-01
2:	1.1973e+01	1.1973e+01	5e-02	2e-02	3e-15	1e-03
3:	1.2000e+01	1.2000e+01	5e-04	2e-04	1e-15	1e-05
4:	1.2000e+01	1.2000e+01	5e-06	2e-06	1e-15	1e-07
5:	1.2000e+01	1.2000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5073e+00	8.5106e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1611e+01	1.1611e+01	1e+00	3e-01	3e-15	2e-02
3:	1.1991e+01	1.1991e+01	2e-02	6e-03	3e-15	5e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	1e-15	5e-06

5:	1.2000e+01	1.2000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	2e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.6918e+00	7.6973e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1241e+01	1.1243e+01	2e+00	5e-01	3e-15	4e-02
3:	1.1967e+01	1.1967e+01	9e-02	3e-02	3e-15	2e-03
4:	1.2000e+01	1.2000e+01	9e-04	3e-04	5e-16	2e-05
5:	1.2000e+01	1.2000e+01	9e-06	3e-06	6e-16	2e-07
6:	1.2000e+01	1.2000e+01	9e-08	3e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1773e+00	9.1788e+00	5e+00	2e+00	5e-16	1e-01
2:	1.1933e+01	1.1933e+01	2e-01	5e-02	2e-15	4e-03
3:	1.1999e+01	1.1999e+01	2e-03	5e-04	1e-15	4e-05
4:	1.2000e+01	1.2000e+01	2e-05	5e-06	1e-15	4e-07
5:	1.2000e+01	1.2000e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6602e+00	8.6626e+00	6e+00	2e+00	3e-16	2e-01
2:	1.1808e+01	1.1808e+01	5e-01	2e-01	2e-15	1e-02
3:	1.1998e+01	1.1998e+01	5e-03	2e-03	1e-15	1e-04
4:	1.2000e+01	1.2000e+01	5e-05	2e-05	1e-15	1e-06
5:	1.2000e+01	1.2000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8583e+00	9.8584e+00	4e+00	1e+00	8e-16	9e-02
2:	1.1973e+01	1.1973e+01	5e-02	2e-02	3e-15	1e-03
3:	1.2000e+01	1.2000e+01	5e-04	2e-04	2e-15	1e-05
4:	1.2000e+01	1.2000e+01	5e-06	2e-06	2e-15	1e-07
5:	1.2000e+01	1.2000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3252e+00	9.3264e+00	5e+00	2e+00	4e-16	1e-01
2:	1.1936e+01	1.1936e+01	1e-01	5e-02	2e-15	3e-03
3:	1.1999e+01	1.1999e+01	1e-03	5e-04	1e-15	3e-05
4:	1.2000e+01	1.2000e+01	1e-05	5e-06	9e-16	3e-07
5:	1.2000e+01	1.2000e+01	1e-07	5e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7312e+00	8.7336e+00	6e+00	2e+00	5e-16	1e-01
2:	1.1504e+01	1.1505e+01	1e+00	4e-01	1e-15	3e-02



3:	1.1991e+01	1.1991e+01	2e-02	6e-03	2e-15	5e-04
4:	1.2000e+01	1.2000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.2000e+01	1.2000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.2000e+01	1.2000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6318e+00	9.6324e+00	4e+00	1e+00	4e-16	1e-01
2:	1.1946e+01	1.1946e+01	1e-01	3e-02	3e-15	3e-03
3:	1.1999e+01	1.1999e+01	1e-03	3e-04	2e-15	3e-05
4:	1.2000e+01	1.2000e+01	1e-05	3e-06	1e-15	3e-07
5:	1.2000e+01	1.2000e+01	1e-07	3e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5575e+00	8.5601e+00	6e+00	2e+00	4e-16	2e-01
2:	1.1687e+01	1.1688e+01	8e-01	3e-01	5e-15	2e-02
3:	1.1996e+01	1.1996e+01	9e-03	3e-03	1e-15	2e-04
4:	1.2000e+01	1.2000e+01	9e-05	3e-05	1e-15	2e-06
5:	1.2000e+01	1.2000e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6623e+00	9.6627e+00	4e+00	1e+00	9e-16	1e-01
2:	1.1944e+01	1.1944e+01	1e-01	4e-02	3e-15	3e-03
3:	1.1999e+01	1.1999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.2000e+01	1.2000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.2000e+01	1.2000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4325e+00	9.4335e+00	5e+00	2e+00	4e-16	1e-01
2:	1.1915e+01	1.1915e+01	2e-01	6e-02	3e-15	4e-03
3:	1.1999e+01	1.1999e+01	2e-03	6e-04	1e-15	5e-05
4:	1.2000e+01	1.2000e+01	2e-05	6e-06	2e-15	5e-07
5:	1.2000e+01	1.2000e+01	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.8205e+00	7.8267e+00	6e+00	2e+00	8e-16	1e-01
2:	1.1436e+01	1.1437e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1972e+01	1.1972e+01	8e-02	3e-02	4e-15	2e-03
4:	1.2000e+01	1.2000e+01	8e-04	3e-04	1e-15	2e-05
5:	1.2000e+01	1.2000e+01	8e-06	3e-06	1e-15	2e-07
6:	1.2000e+01	1.2000e+01	8e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	7.7682e+00	7.7755e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1619e+01	1.1620e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1987e+01	1.1987e+01	3e-02	9e-03	2e-15	7e-04
4:	1.2000e+01	1.2000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.2000e+01	1.2000e+01	3e-06	9e-07	1e-15	7e-08
6:	1.2000e+01	1.2000e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4284e+00	7.4326e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1261e+01	1.1263e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1943e+01	1.1944e+01	2e-01	5e-02	4e-15	4e-03
4:	1.1999e+01	1.1999e+01	2e-03	5e-04	6e-16	4e-05
5:	1.2000e+01	1.2000e+01	2e-05	5e-06	8e-16	4e-07
6:	1.2000e+01	1.2000e+01	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5439e+00	8.5484e+00	6e+00	2e+00	7e-16	1e-01
2:	1.1718e+01	1.1719e+01	8e-01	2e-01	3e-15	2e-02
3:	1.1996e+01	1.1996e+01	1e-02	3e-03	2e-15	2e-04
4:	1.2000e+01	1.2000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.2000e+01	1.2000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4702e+00	8.4736e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1679e+01	1.1680e+01	8e-01	3e-01	2e-15	2e-02
3:	1.1996e+01	1.1996e+01	1e-02	3e-03	2e-15	2e-04
4:	1.2000e+01	1.2000e+01	1e-04	3e-05	2e-15	2e-06
5:	1.2000e+01	1.2000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.2581e+00	7.2640e+00	8e+00	2e+00	2e-16	2e-01
2:	1.1484e+01	1.1485e+01	1e+00	3e-01	1e-15	3e-02
3:	1.1961e+01	1.1962e+01	1e-01	5e-02	5e-15	3e-03
4:	1.1999e+01	1.1999e+01	2e-03	6e-04	4e-15	5e-05
5:	1.2000e+01	1.2000e+01	2e-05	6e-06	4e-15	5e-07
6:	1.2000e+01	1.2000e+01	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7687e+00	8.7721e+00	6e+00	2e+00	5e-16	1e-01
2:	1.1872e+01	1.1872e+01	3e-01	1e-01	3e-15	8e-03
3:	1.1999e+01	1.1999e+01	3e-03	1e-03	2e-15	8e-05
4:	1.2000e+01	1.2000e+01	3e-05	1e-05	1e-15	8e-07
5:	1.2000e+01	1.2000e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7260e+00	7.7318e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1121e+01	1.1122e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1830e+01	1.1830e+01	2e-01	6e-02	9e-16	4e-03
4:	1.1930e+01	1.1930e+01	1e-02	5e-03	5e-15	3e-04
5:	1.1938e+01	1.1938e+01	2e-04	6e-05	1e-15	5e-06
6:	1.1938e+01	1.1938e+01	2e-06	6e-07	3e-15	5e-08
7:	1.1938e+01	1.1938e+01	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.0620e+00	8.0653e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1545e+01	1.1546e+01	1e+00	4e-01	1e-15	3e-02
3:	1.1979e+01	1.1979e+01	5e-02	1e-02	2e-15	1e-03
4:	1.2000e+01	1.2000e+01	5e-04	1e-04	7e-16	1e-05
5:	1.2000e+01	1.2000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.2000e+01	1.2000e+01	5e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5898e+00	9.5903e+00	5e+00	1e+00	5e-16	1e-01
2:	1.1955e+01	1.1955e+01	1e-01	3e-02	2e-15	2e-03
3:	1.2000e+01	1.2000e+01	1e-03	3e-04	1e-15	2e-05
4:	1.2000e+01	1.2000e+01	1e-05	3e-06	1e-15	2e-07
5:	1.2000e+01	1.2000e+01	1e-07	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.4403e+00	8.4444e+00	6e+00	2e+00	3e-16	1e-01
2:	1.1670e+01	1.1671e+01	8e-01	3e-01	2e-15	2e-02
3:	1.1996e+01	1.1996e+01	1e-02	3e-03	1e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	3e-05	1e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.9085e+00	7.9137e+00	6e+00	2e+00	4e-16	1e-01
2:	1.1745e+01	1.1746e+01	7e-01	2e-01	1e-15	2e-02
3:	1.1972e+01	1.1972e+01	8e-02	3e-02	4e-15	2e-03
4:	1.2000e+01	1.2000e+01	9e-04	3e-04	1e-15	2e-05
5:	1.2000e+01	1.2000e+01	9e-06	3e-06	2e-15	2e-07
6:	1.2000e+01	1.2000e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6186e+00	8.6216e+00	6e+00	2e+00	4e-16	1e-01

2:	1.1634e+01	1.1635e+01	9e-01	3e-01	2e-15	2e-02
3:	1.1994e+01	1.1994e+01	1e-02	4e-03	2e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9443e+00	8.9464e+00	6e+00	2e+00	9e-16	1e-01
2:	1.1856e+01	1.1857e+01	4e-01	1e-01	4e-15	9e-03
3:	1.1999e+01	1.1999e+01	4e-03	1e-03	2e-15	9e-05
4:	1.2000e+01	1.2000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.2000e+01	1.2000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.5906e+00	7.5951e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1686e+01	1.1687e+01	9e-01	3e-01	2e-15	2e-02
3:	1.1948e+01	1.1948e+01	1e-01	4e-02	5e-15	3e-03
4:	1.1999e+01	1.1999e+01	1e-03	4e-04	6e-16	3e-05
5:	1.2000e+01	1.2000e+01	1e-05	4e-06	4e-16	3e-07
6:	1.2000e+01	1.2000e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6578e+00	9.6583e+00	4e+00	1e+00	4e-16	1e-01
2:	1.1891e+01	1.1891e+01	2e-01	7e-02	3e-15	5e-03
3:	1.1999e+01	1.1999e+01	2e-03	7e-04	2e-15	5e-05
4:	1.2000e+01	1.2000e+01	2e-05	7e-06	2e-15	5e-07
5:	1.2000e+01	1.2000e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.9752e+00	8.9770e+00	6e+00	2e+00	8e-16	1e-01
2:	1.1841e+01	1.1841e+01	4e-01	1e-01	2e-15	9e-03
3:	1.1998e+01	1.1998e+01	4e-03	1e-03	1e-15	9e-05
4:	1.2000e+01	1.2000e+01	4e-05	1e-05	1e-15	9e-07
5:	1.2000e+01	1.2000e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.6686e+00	8.6720e+00	6e+00	2e+00	7e-16	1e-01
2:	1.1616e+01	1.1617e+01	1e+00	3e-01	2e-15	2e-02
3:	1.1994e+01	1.1994e+01	1e-02	4e-03	2e-15	3e-04
4:	1.2000e+01	1.2000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.2000e+01	1.2000e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00

1:	8.8396e+00	8.8452e+00	7e+00	2e+00	6e-16	2e-01
2:	1.2486e+01	1.2487e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2992e+01	1.2992e+01	2e-02	5e-03	2e-15	4e-04
4:	1.3000e+01	1.3000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.3000e+01	1.3000e+01	2e-06	5e-07	1e-15	4e-08
6:	1.3000e+01	1.3000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.8316e+00	7.8422e+00	7e+00	2e+00	6e-16	2e-01
2:	1.1911e+01	1.1914e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2550e+01	1.2550e+01	1e-01	4e-02	1e-15	3e-03
4:	1.2624e+01	1.2624e+01	1e-03	5e-04	6e-16	3e-05
5:	1.2625e+01	1.2625e+01	1e-05	5e-06	9e-16	3e-07
6:	1.2625e+01	1.2625e+01	1e-07	5e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.3189e+00	7.3228e+00	7e+00	2e+00	3e-16	2e-01
2:	1.1451e+01	1.1452e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2079e+01	1.2079e+01	1e-01	4e-02	1e-15	3e-03
4:	1.2168e+01	1.2168e+01	2e-03	5e-04	1e-15	4e-05
5:	1.2169e+01	1.2169e+01	2e-05	5e-06	1e-15	4e-07
6:	1.2169e+01	1.2169e+01	2e-07	5e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0371e+01	1.0372e+01	4e+00	1e+00	4e-16	1e-01
2:	1.2934e+01	1.2934e+01	1e-01	4e-02	3e-15	3e-03
3:	1.2999e+01	1.2999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.3000e+01	1.3000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.3000e+01	1.3000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.6197e+00	6.6276e+00	8e+00	3e+00	4e-16	2e-01
2:	1.0986e+01	1.0988e+01	2e+00	5e-01	2e-15	4e-02
3:	1.1625e+01	1.1625e+01	3e-01	1e-01	1e-15	7e-03
4:	1.1799e+01	1.1799e+01	1e-02	4e-03	7e-16	3e-04
5:	1.1806e+01	1.1806e+01	1e-04	4e-05	7e-16	3e-06
6:	1.1806e+01	1.1806e+01	1e-06	4e-07	8e-16	3e-08
7:	1.1806e+01	1.1806e+01	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5387e+00	8.5429e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2545e+01	1.2546e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2956e+01	1.2956e+01	9e-02	3e-02	4e-15	2e-03

4:	1.3000e+01	1.3000e+01	9e-04	3e-04	8e-16	2e-05
5:	1.3000e+01	1.3000e+01	9e-06	3e-06	6e-16	2e-07
6:	1.3000e+01	1.3000e+01	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.4542e+00	7.4585e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1530e+01	1.1531e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2043e+01	1.2043e+01	3e-01	1e-01	3e-15	8e-03
4:	1.2247e+01	1.2247e+01	6e-02	2e-02	1e-15	1e-03
5:	1.2276e+01	1.2276e+01	7e-04	2e-04	7e-16	2e-05
6:	1.2276e+01	1.2276e+01	7e-06	2e-06	9e-16	2e-07
7:	1.2276e+01	1.2276e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4335e+00	9.4372e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2609e+01	1.2610e+01	9e-01	3e-01	2e-15	2e-02
3:	1.2994e+01	1.2994e+01	1e-02	4e-03	2e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	4e-07	2e-15	3e-08
6:	1.3000e+01	1.3000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.7963e+00	7.8019e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1231e+01	1.1233e+01	2e+00	6e-01	1e-15	4e-02
3:	1.1968e+01	1.1968e+01	3e-01	8e-02	9e-16	6e-03
4:	1.2116e+01	1.2116e+01	2e-02	6e-03	1e-15	4e-04
5:	1.2126e+01	1.2126e+01	2e-03	6e-04	8e-16	5e-05
6:	1.2127e+01	1.2127e+01	2e-05	6e-06	7e-16	5e-07
7:	1.2127e+01	1.2127e+01	2e-07	6e-08	6e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.4394e+00	7.4475e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1174e+01	1.1176e+01	9e-01	3e-01	2e-15	2e-02
3:	1.1730e+01	1.1730e+01	6e-02	2e-02	2e-15	1e-03
4:	1.1762e+01	1.1762e+01	6e-04	2e-04	1e-15	1e-05
5:	1.1762e+01	1.1762e+01	6e-06	2e-06	9e-16	1e-07
6:	1.1762e+01	1.1762e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5865e+00	8.5893e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2500e+01	1.2500e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2962e+01	1.2963e+01	9e-02	3e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	9e-04	3e-04	4e-16	2e-05

5:	1.3000e+01	1.3000e+01	9e-06	3e-06	5e-16	2e-07
6:	1.3000e+01	1.3000e+01	9e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.2580e+00	8.2634e+00	7e+00	2e+00	8e-16	2e-01
2:	1.1765e+01	1.1767e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2393e+01	1.2393e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2537e+01	1.2537e+01	1e-02	3e-03	8e-16	2e-04
5:	1.2542e+01	1.2542e+01	1e-04	3e-05	1e-15	2e-06
6:	1.2542e+01	1.2542e+01	1e-06	3e-07	9e-16	2e-08
7:	1.2542e+01	1.2542e+01	1e-08	3e-09	2e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.8115e+00	7.8156e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1983e+01	1.1984e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2499e+01	1.2499e+01	1e-01	3e-02	2e-15	3e-03
4:	1.2565e+01	1.2565e+01	7e-03	2e-03	1e-15	2e-04
5:	1.2569e+01	1.2569e+01	7e-05	2e-05	7e-16	2e-06
6:	1.2569e+01	1.2569e+01	7e-07	2e-07	8e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5976e+00	9.5995e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2736e+01	1.2736e+01	6e-01	2e-01	3e-15	1e-02
3:	1.2997e+01	1.2997e+01	7e-03	2e-03	1e-15	2e-04
4:	1.3000e+01	1.3000e+01	7e-05	2e-05	2e-15	2e-06
5:	1.3000e+01	1.3000e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2211e+00	9.2240e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2336e+01	1.2337e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2990e+01	1.2990e+01	2e-02	7e-03	2e-15	5e-04
4:	1.3000e+01	1.3000e+01	2e-04	7e-05	8e-16	5e-06
5:	1.3000e+01	1.3000e+01	2e-06	7e-07	9e-16	5e-08
6:	1.3000e+01	1.3000e+01	2e-08	7e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.2321e+00	9.2355e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2534e+01	1.2535e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2993e+01	1.2993e+01	1e-02	5e-03	2e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	5e-05	1e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	5e-07	1e-15	3e-08
6:	1.3000e+01	1.3000e+01	1e-08	5e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0232e+00	9.0294e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2587e+01	1.2588e+01	1e+00	3e-01	4e-15	2e-02
3:	1.2991e+01	1.2991e+01	2e-02	6e-03	2e-15	4e-04
4:	1.3000e+01	1.3000e+01	2e-04	6e-05	1e-15	4e-06
5:	1.3000e+01	1.3000e+01	2e-06	6e-07	1e-15	4e-08
6:	1.3000e+01	1.3000e+01	2e-08	6e-09	2e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7335e+00	8.7368e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2363e+01	1.2364e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2969e+01	1.2969e+01	7e-02	2e-02	3e-15	2e-03
4:	1.3000e+01	1.3000e+01	7e-04	2e-04	5e-16	2e-05
5:	1.3000e+01	1.3000e+01	7e-06	2e-06	6e-16	2e-07
6:	1.3000e+01	1.3000e+01	7e-08	2e-08	5e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.7553e+00	8.7607e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2520e+01	1.2521e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2983e+01	1.2983e+01	3e-02	1e-02	3e-15	8e-04
4:	1.3000e+01	1.3000e+01	3e-04	1e-04	2e-15	8e-06
5:	1.3000e+01	1.3000e+01	3e-06	1e-06	9e-16	8e-08
6:	1.3000e+01	1.3000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	7.6907e+00	7.6943e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2107e+01	1.2108e+01	1e+00	3e-01	3e-15	2e-02
3:	1.2644e+01	1.2644e+01	1e-01	5e-02	1e-15	4e-03
4:	1.2724e+01	1.2724e+01	5e-03	2e-03	8e-16	1e-04
5:	1.2726e+01	1.2726e+01	5e-05	2e-05	9e-16	1e-06
6:	1.2726e+01	1.2726e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6198e+00	9.6219e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2521e+01	1.2522e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2990e+01	1.2990e+01	2e-02	6e-03	2e-15	5e-04
4:	1.3000e+01	1.3000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.3000e+01	1.3000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.3000e+01	1.3000e+01	2e-08	6e-09	1e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5403e+00	9.5432e+00	6e+00	2e+00	4e-16	1e-01



2:	1.2688e+01	1.2688e+01	7e-01	2e-01	3e-15	2e-02
3:	1.2996e+01	1.2996e+01	1e-02	3e-03	2e-15	2e-04
4:	1.3000e+01	1.3000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.3000e+01	1.3000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0654e+01	1.0654e+01	4e+00	1e+00	7e-16	1e-01
2:	1.2970e+01	1.2970e+01	5e-02	2e-02	4e-15	1e-03
3:	1.3000e+01	1.3000e+01	5e-04	2e-04	2e-15	1e-05
4:	1.3000e+01	1.3000e+01	5e-06	2e-06	2e-15	1e-07
5:	1.3000e+01	1.3000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0562e+01	1.0562e+01	4e+00	1e+00	4e-16	1e-01
2:	1.2967e+01	1.2967e+01	6e-02	2e-02	3e-15	2e-03
3:	1.3000e+01	1.3000e+01	6e-04	2e-04	2e-15	2e-05
4:	1.3000e+01	1.3000e+01	6e-06	2e-06	1e-15	2e-07
5:	1.3000e+01	1.3000e+01	6e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3713e+00	9.3739e+00	6e+00	2e+00	4e-16	2e-01
2:	1.2775e+01	1.2775e+01	5e-01	2e-01	2e-15	1e-02
3:	1.2998e+01	1.2998e+01	6e-03	2e-03	1e-15	1e-04
4:	1.3000e+01	1.3000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.3000e+01	1.3000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0396e+01	1.0397e+01	4e+00	1e+00	6e-16	1e-01
2:	1.2880e+01	1.2880e+01	2e-01	7e-02	3e-15	5e-03
3:	1.2999e+01	1.2999e+01	2e-03	7e-04	2e-15	6e-05
4:	1.3000e+01	1.3000e+01	2e-05	7e-06	2e-15	6e-07
5:	1.3000e+01	1.3000e+01	2e-07	7e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1723e+00	8.1778e+00	7e+00	2e+00	5e-16	2e-01
2:	1.2150e+01	1.2152e+01	1e+00	4e-01	1e-15	3e-02
3:	1.2812e+01	1.2813e+01	1e-01	3e-02	1e-15	3e-03
4:	1.2855e+01	1.2855e+01	2e-02	5e-03	3e-15	4e-04
5:	1.2863e+01	1.2863e+01	5e-04	2e-04	3e-15	1e-05
6:	1.2863e+01	1.2863e+01	5e-06	2e-06	2e-15	1e-07
7:	1.2863e+01	1.2863e+01	5e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0434e+01	1.0434e+01	4e+00	1e+00	5e-16	1e-01
2:	1.2923e+01	1.2923e+01	1e-01	5e-02	2e-15	4e-03
3:	1.2999e+01	1.2999e+01	1e-03	5e-04	2e-15	4e-05
4:	1.3000e+01	1.3000e+01	1e-05	5e-06	2e-15	4e-07
5:	1.3000e+01	1.3000e+01	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	5.8655e+00	5.8738e+00	8e+00	2e+00	6e-16	2e-01
2:	9.7245e+00	9.7271e+00	2e+00	5e-01	2e-15	4e-02
3:	1.0777e+01	1.0777e+01	2e-01	7e-02	2e-15	5e-03
4:	1.0835e+01	1.0835e+01	1e-01	3e-02	4e-15	2e-03
5:	1.0888e+01	1.0888e+01	1e-03	4e-04	1e-15	3e-05
6:	1.0889e+01	1.0889e+01	1e-05	4e-06	2e-15	3e-07
7:	1.0889e+01	1.0889e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9678e+00	9.9698e+00	5e+00	2e+00	3e-16	1e-01
2:	1.2681e+01	1.2681e+01	6e-01	2e-01	2e-15	2e-02
3:	1.2996e+01	1.2996e+01	8e-03	3e-03	2e-15	2e-04
4:	1.3000e+01	1.3000e+01	8e-05	3e-05	2e-15	2e-06
5:	1.3000e+01	1.3000e+01	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0039e+01	1.0040e+01	5e+00	2e+00	4e-16	1e-01
2:	1.2895e+01	1.2895e+01	2e-01	7e-02	2e-15	5e-03
3:	1.2999e+01	1.2999e+01	2e-03	7e-04	2e-15	5e-05
4:	1.3000e+01	1.3000e+01	2e-05	7e-06	1e-15	5e-07
5:	1.3000e+01	1.3000e+01	2e-07	7e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0004e+01	1.0006e+01	5e+00	2e+00	6e-16	1e-01
2:	1.2754e+01	1.2754e+01	5e-01	2e-01	3e-15	1e-02
3:	1.2997e+01	1.2997e+01	5e-03	2e-03	1e-15	1e-04
4:	1.3000e+01	1.3000e+01	5e-05	2e-05	2e-15	1e-06
5:	1.3000e+01	1.3000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1405e+00	9.1448e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2551e+01	1.2552e+01	1e+00	3e-01	3e-15	3e-02
3:	1.2983e+01	1.2983e+01	3e-02	1e-02	2e-15	8e-04
4:	1.3000e+01	1.3000e+01	3e-04	1e-04	1e-15	8e-06
5:	1.3000e+01	1.3000e+01	3e-06	1e-06	1e-15	8e-08

6: 1.3000e+01 1.3000e+01 3e-08 1e-08 1e-15 8e-10  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4723e+00	9.4747e+00	6e+00	2e+00	6e-16	1e-01
2:	1.2583e+01	1.2584e+01	9e-01	3e-01	2e-15	2e-02
3:	1.2995e+01	1.2995e+01	1e-02	3e-03	2e-15	3e-04
4:	1.3000e+01	1.3000e+01	1e-04	3e-05	1e-15	3e-06
5:	1.3000e+01	1.3000e+01	1e-06	3e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.5161e+00	8.5206e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2102e+01	1.2104e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2981e+01	1.2981e+01	5e-02	2e-02	2e-15	1e-03
4:	1.3000e+01	1.3000e+01	5e-04	2e-04	6e-16	1e-05
5:	1.3000e+01	1.3000e+01	5e-06	2e-06	5e-16	1e-07
6:	1.3000e+01	1.3000e+01	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0315e+01	1.0316e+01	5e+00	1e+00	4e-16	1e-01
2:	1.2952e+01	1.2952e+01	1e-01	3e-02	2e-15	2e-03
3:	1.3000e+01	1.3000e+01	1e-03	3e-04	8e-16	2e-05
4:	1.3000e+01	1.3000e+01	1e-05	3e-06	1e-15	2e-07
5:	1.3000e+01	1.3000e+01	1e-07	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8801e+00	9.8819e+00	5e+00	2e+00	3e-16	1e-01
2:	1.2863e+01	1.2863e+01	3e-01	9e-02	2e-15	7e-03
3:	1.2999e+01	1.2999e+01	3e-03	9e-04	2e-15	7e-05
4:	1.3000e+01	1.3000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.3000e+01	1.3000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6912e+00	9.6931e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2822e+01	1.2822e+01	4e-01	1e-01	3e-15	1e-02
3:	1.2998e+01	1.2998e+01	4e-03	1e-03	1e-15	1e-04
4:	1.3000e+01	1.3000e+01	4e-05	1e-05	9e-16	1e-06
5:	1.3000e+01	1.3000e+01	4e-07	1e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3652e+00	9.3687e+00	6e+00	2e+00	5e-16	1e-01
2:	1.2810e+01	1.2810e+01	5e-01	1e-01	3e-15	1e-02
3:	1.2998e+01	1.2998e+01	5e-03	2e-03	2e-15	1e-04

4:	1.3000e+01	1.3000e+01	5e-05	2e-05	1e-15	1e-06
5:	1.3000e+01	1.3000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0407e+01	1.0408e+01	4e+00	1e+00	3e-16	1e-01
2:	1.2920e+01	1.2920e+01	2e-01	5e-02	2e-15	4e-03
3:	1.2999e+01	1.2999e+01	2e-03	5e-04	1e-15	4e-05
4:	1.3000e+01	1.3000e+01	2e-05	5e-06	2e-15	4e-07
5:	1.3000e+01	1.3000e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0471e+01	1.0472e+01	4e+00	1e+00	3e-16	1e-01
2:	1.2967e+01	1.2967e+01	6e-02	2e-02	4e-15	2e-03
3:	1.3000e+01	1.3000e+01	6e-04	2e-04	1e-15	2e-05
4:	1.3000e+01	1.3000e+01	6e-06	2e-06	2e-15	2e-07
5:	1.3000e+01	1.3000e+01	6e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.1287e+00	8.1345e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2612e+01	1.2614e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2976e+01	1.2976e+01	6e-02	2e-02	4e-15	1e-03
4:	1.3000e+01	1.3000e+01	6e-04	2e-04	6e-16	2e-05
5:	1.3000e+01	1.3000e+01	6e-06	2e-06	6e-16	2e-07
6:	1.3000e+01	1.3000e+01	6e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4317e+00	9.4354e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2568e+01	1.2568e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2988e+01	1.2988e+01	2e-02	7e-03	2e-15	6e-04
4:	1.3000e+01	1.3000e+01	2e-04	7e-05	1e-15	6e-06
5:	1.3000e+01	1.3000e+01	2e-06	7e-07	1e-15	6e-08
6:	1.3000e+01	1.3000e+01	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4219e+00	9.4262e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2649e+01	1.2650e+01	9e-01	3e-01	4e-15	2e-02
3:	1.2990e+01	1.2990e+01	2e-02	7e-03	2e-15	5e-04
4:	1.3000e+01	1.3000e+01	2e-04	7e-05	1e-15	5e-06
5:	1.3000e+01	1.3000e+01	2e-06	7e-07	1e-15	5e-08
6:	1.3000e+01	1.3000e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00

1:	7.1840e+00	7.1942e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2156e+01	1.2159e+01	1e+00	4e-01	2e-15	3e-02
3:	1.2815e+01	1.2815e+01	1e-01	3e-02	2e-15	2e-03
4:	1.2864e+01	1.2864e+01	7e-03	2e-03	5e-15	2e-04
5:	1.2868e+01	1.2868e+01	7e-05	2e-05	1e-15	2e-06
6:	1.2868e+01	1.2868e+01	7e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.1635e+00	9.1677e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2661e+01	1.2662e+01	9e-01	3e-01	3e-15	2e-02
3:	1.2986e+01	1.2986e+01	3e-02	9e-03	2e-15	7e-04
4:	1.3000e+01	1.3000e+01	3e-04	9e-05	9e-16	7e-06
5:	1.3000e+01	1.3000e+01	3e-06	9e-07	7e-16	7e-08
6:	1.3000e+01	1.3000e+01	3e-08	9e-09	8e-16	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0404e+01	1.0404e+01	4e+00	1e+00	5e-16	1e-01
2:	1.2914e+01	1.2914e+01	2e-01	5e-02	3e-15	4e-03
3:	1.2999e+01	1.2999e+01	2e-03	5e-04	2e-15	4e-05
4:	1.3000e+01	1.3000e+01	2e-05	5e-06	2e-15	4e-07
5:	1.3000e+01	1.3000e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	7.0295e+00	7.0345e+00	7e+00	2e+00	2e-16	2e-01
2:	1.0657e+01	1.0659e+01	2e+00	6e-01	2e-15	4e-02
3:	1.1623e+01	1.1623e+01	2e-01	7e-02	2e-15	5e-03
4:	1.1773e+01	1.1773e+01	7e-03	2e-03	1e-15	2e-04
5:	1.1777e+01	1.1777e+01	7e-05	2e-05	7e-16	2e-06
6:	1.1777e+01	1.1777e+01	7e-07	2e-07	6e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0277e+00	9.0326e+00	6e+00	2e+00	4e-16	1e-01
2:	1.2367e+01	1.2368e+01	1e+00	3e-01	2e-15	3e-02
3:	1.2951e+01	1.2951e+01	1e-01	4e-02	9e-16	3e-03
4:	1.2991e+01	1.2991e+01	2e-02	6e-03	2e-14	4e-04
5:	1.3000e+01	1.3000e+01	2e-04	6e-05	1e-15	4e-06
6:	1.3000e+01	1.3000e+01	2e-06	6e-07	2e-15	4e-08
7:	1.3000e+01	1.3000e+01	2e-08	6e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.0626e+00	9.0667e+00	6e+00	2e+00	3e-16	1e-01
2:	1.2402e+01	1.2403e+01	1e+00	4e-01	3e-15	3e-02
3:	1.2975e+01	1.2975e+01	5e-02	2e-02	3e-15	1e-03

4:	1.3000e+01	1.3000e+01	5e-04	2e-04	5e-16	1e-05
5:	1.3000e+01	1.3000e+01	5e-06	2e-06	8e-16	1e-07
6:	1.3000e+01	1.3000e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0858e+01	1.0859e+01	5e+00	2e+00	7e-16	1e-01
2:	1.3770e+01	1.3770e+01	4e-01	1e-01	3e-15	1e-02
3:	1.3998e+01	1.3998e+01	5e-03	1e-03	2e-15	1e-04
4:	1.4000e+01	1.4000e+01	5e-05	1e-05	1e-15	1e-06
5:	1.4000e+01	1.4000e+01	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0687e+01	1.0689e+01	5e+00	2e+00	4e-16	1e-01
2:	1.3839e+01	1.3839e+01	3e-01	1e-01	4e-15	8e-03
3:	1.3998e+01	1.3998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.4000e+01	1.4000e+01	3e-05	1e-05	2e-15	8e-07
5:	1.4000e+01	1.4000e+01	3e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0927e+01	1.0928e+01	5e+00	2e+00	7e-16	1e-01
2:	1.3847e+01	1.3847e+01	3e-01	9e-02	2e-15	7e-03
3:	1.3998e+01	1.3998e+01	3e-03	9e-04	1e-15	7e-05
4:	1.4000e+01	1.4000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.4000e+01	1.4000e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.6594e+00	9.6639e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3498e+01	1.3499e+01	1e+00	3e-01	2e-15	3e-02
3:	1.3959e+01	1.3960e+01	9e-02	3e-02	3e-15	2e-03
4:	1.4000e+01	1.4000e+01	9e-04	3e-04	7e-16	2e-05
5:	1.4000e+01	1.4000e+01	9e-06	3e-06	9e-16	2e-07
6:	1.4000e+01	1.4000e+01	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5809e+00	9.5864e+00	6e+00	2e+00	3e-16	1e-01
2:	1.3529e+01	1.3531e+01	1e+00	3e-01	1e-15	2e-02
3:	1.3950e+01	1.3950e+01	1e-01	3e-02	3e-15	2e-03
4:	1.3999e+01	1.3999e+01	1e-03	3e-04	5e-16	3e-05
5:	1.4000e+01	1.4000e+01	1e-05	3e-06	8e-16	3e-07
6:	1.4000e+01	1.4000e+01	1e-07	3e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.0086e+01	1.0090e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3551e+01	1.3551e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3992e+01	1.3992e+01	2e-02	5e-03	2e-15	4e-04
4:	1.4000e+01	1.4000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.4000e+01	1.4000e+01	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0155e+01	1.0158e+01	6e+00	2e+00	5e-16	1e-01
2:	1.3770e+01	1.3771e+01	5e-01	2e-01	2e-15	1e-02
3:	1.3998e+01	1.3998e+01	5e-03	2e-03	1e-15	1e-04
4:	1.4000e+01	1.4000e+01	5e-05	2e-05	2e-15	1e-06
5:	1.4000e+01	1.4000e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.4216e+00	8.4326e+00	7e+00	2e+00	4e-16	2e-01
2:	1.2236e+01	1.2240e+01	2e+00	5e-01	2e-15	3e-02
3:	1.3088e+01	1.3089e+01	2e-01	5e-02	9e-16	4e-03
4:	1.3180e+01	1.3180e+01	2e-03	5e-04	2e-15	4e-05
5:	1.3180e+01	1.3180e+01	2e-05	5e-06	1e-15	4e-07
6:	1.3181e+01	1.3181e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9324e+00	9.9365e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3698e+01	1.3699e+01	7e-01	2e-01	2e-15	2e-02
3:	1.3996e+01	1.3996e+01	8e-03	2e-03	2e-15	2e-04
4:	1.4000e+01	1.4000e+01	8e-05	2e-05	2e-15	2e-06
5:	1.4000e+01	1.4000e+01	8e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.2196e+00	8.2334e+00	7e+00	2e+00	3e-16	2e-01
2:	1.2484e+01	1.2489e+01	2e+00	6e-01	4e-15	4e-02
3:	1.3021e+01	1.3022e+01	5e-01	2e-01	2e-15	1e-02
4:	1.3281e+01	1.3281e+01	4e-02	1e-02	1e-15	9e-04
5:	1.3299e+01	1.3299e+01	3e-03	1e-03	7e-16	8e-05
6:	1.3301e+01	1.3301e+01	3e-05	1e-05	5e-16	8e-07
7:	1.3301e+01	1.3301e+01	3e-07	1e-07	5e-16	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1018e+01	1.1020e+01	5e+00	1e+00	4e-16	1e-01
2:	1.3848e+01	1.3848e+01	3e-01	9e-02	3e-15	7e-03
3:	1.3998e+01	1.3998e+01	3e-03	9e-04	2e-15	7e-05
4:	1.4000e+01	1.4000e+01	3e-05	9e-06	2e-15	7e-07
5:	1.4000e+01	1.4000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0153e+01	1.0156e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3578e+01	1.3578e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3983e+01	1.3983e+01	3e-02	1e-02	2e-15	8e-04
4:	1.4000e+01	1.4000e+01	3e-04	1e-04	7e-16	8e-06
5:	1.4000e+01	1.4000e+01	3e-06	1e-06	1e-15	8e-08
6:	1.4000e+01	1.4000e+01	3e-08	1e-08	9e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0964e+01	1.0965e+01	5e+00	2e+00	6e-16	1e-01
2:	1.3826e+01	1.3826e+01	3e-01	1e-01	2e-15	8e-03
3:	1.3998e+01	1.3998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.4000e+01	1.4000e+01	3e-05	1e-05	3e-15	8e-07
5:	1.4000e+01	1.4000e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.6373e+00	9.6425e+00	6e+00	2e+00	1e-15	1e-01
2:	1.3584e+01	1.3585e+01	8e-01	3e-01	4e-15	2e-02
3:	1.3965e+01	1.3965e+01	1e-01	3e-02	3e-15	3e-03
4:	1.3999e+01	1.3999e+01	1e-03	5e-04	5e-15	4e-05
5:	1.4000e+01	1.4000e+01	1e-05	5e-06	5e-15	4e-07
6:	1.4000e+01	1.4000e+01	1e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0608e+01	1.0610e+01	5e+00	2e+00	6e-16	1e-01
2:	1.3822e+01	1.3822e+01	4e-01	1e-01	2e-15	9e-03
3:	1.3998e+01	1.3998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.4000e+01	1.4000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.4000e+01	1.4000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0604e+01	1.0605e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3814e+01	1.3814e+01	4e-01	1e-01	2e-15	9e-03
3:	1.3998e+01	1.3998e+01	4e-03	1e-03	1e-15	9e-05
4:	1.4000e+01	1.4000e+01	4e-05	1e-05	9e-16	9e-07
5:	1.4000e+01	1.4000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0026e+01	1.0029e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3752e+01	1.3752e+01	5e-01	2e-01	4e-15	1e-02
3:	1.3997e+01	1.3997e+01	6e-03	2e-03	2e-15	2e-04



4:	1.4000e+01	1.4000e+01	6e-05	2e-05	1e-15	2e-06
5:	1.4000e+01	1.4000e+01	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7295e+00	9.7346e+00	6e+00	2e+00	1e-15	1e-01
2:	1.3272e+01	1.3273e+01	1e+00	5e-01	2e-15	3e-02
3:	1.3964e+01	1.3965e+01	8e-02	2e-02	2e-15	2e-03
4:	1.4000e+01	1.4000e+01	8e-04	2e-04	7e-16	2e-05
5:	1.4000e+01	1.4000e+01	8e-06	2e-06	9e-16	2e-07
6:	1.4000e+01	1.4000e+01	8e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1470e+01	1.1470e+01	4e+00	1e+00	5e-16	1e-01
2:	1.3955e+01	1.3955e+01	7e-02	2e-02	3e-15	2e-03
3:	1.4000e+01	1.4000e+01	7e-04	2e-04	2e-15	2e-05
4:	1.4000e+01	1.4000e+01	7e-06	2e-06	3e-15	2e-07
5:	1.4000e+01	1.4000e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9616e+00	9.9655e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3632e+01	1.3633e+01	8e-01	3e-01	3e-15	2e-02
3:	1.3994e+01	1.3994e+01	1e-02	4e-03	2e-15	3e-04
4:	1.4000e+01	1.4000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.4000e+01	1.4000e+01	1e-06	4e-07	1e-15	3e-08
6:	1.4000e+01	1.4000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.2283e+00	9.2364e+00	7e+00	2e+00	3e-16	1e-01
2:	1.3442e+01	1.3444e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3905e+01	1.3906e+01	1e-01	3e-02	1e-15	2e-03
4:	1.3945e+01	1.3945e+01	2e-02	5e-03	1e-14	4e-04
5:	1.3955e+01	1.3955e+01	4e-04	1e-04	1e-15	1e-05
6:	1.3955e+01	1.3955e+01	4e-06	1e-06	3e-15	1e-07
7:	1.3955e+01	1.3955e+01	4e-08	1e-08	4e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1020e+01	1.1021e+01	5e+00	1e+00	7e-16	1e-01
2:	1.3846e+01	1.3846e+01	3e-01	9e-02	3e-15	7e-03
3:	1.3998e+01	1.3998e+01	3e-03	1e-03	3e-15	8e-05
4:	1.4000e+01	1.4000e+01	3e-05	1e-05	2e-15	8e-07
5:	1.4000e+01	1.4000e+01	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	6.9566e+00	6.9615e+00	7e+00	2e+00	4e-16	2e-01
2:	1.1225e+01	1.1226e+01	1e+00	4e-01	2e-15	3e-02
3:	1.1980e+01	1.1980e+01	1e-01	4e-02	1e-15	3e-03
4:	1.2053e+01	1.2053e+01	9e-03	3e-03	1e-15	2e-04
5:	1.2057e+01	1.2057e+01	4e-04	1e-04	7e-15	9e-06
6:	1.2057e+01	1.2057e+01	4e-06	1e-06	1e-15	9e-08
7:	1.2057e+01	1.2057e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0965e+01	1.0967e+01	5e+00	1e+00	6e-16	1e-01
2:	1.3920e+01	1.3920e+01	1e-01	5e-02	2e-15	4e-03
3:	1.3999e+01	1.3999e+01	1e-03	5e-04	2e-15	4e-05
4:	1.4000e+01	1.4000e+01	1e-05	5e-06	2e-15	4e-07
5:	1.4000e+01	1.4000e+01	1e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7996e+00	9.8057e+00	6e+00	2e+00	3e-16	1e-01
2:	1.3699e+01	1.3700e+01	8e-01	2e-01	3e-15	2e-02
3:	1.3970e+01	1.3970e+01	6e-02	2e-02	2e-15	2e-03
4:	1.4000e+01	1.4000e+01	6e-04	2e-04	4e-16	2e-05
5:	1.4000e+01	1.4000e+01	6e-06	2e-06	5e-16	2e-07
6:	1.4000e+01	1.4000e+01	6e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5623e+00	7.5761e+00	9e+00	3e+00	5e-16	2e-01
2:	1.2907e+01	1.2910e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3684e+01	1.3684e+01	2e-01	5e-02	2e-15	4e-03
4:	1.3776e+01	1.3776e+01	4e-03	1e-03	2e-15	1e-04
5:	1.3778e+01	1.3778e+01	4e-05	1e-05	3e-15	1e-06
6:	1.3778e+01	1.3778e+01	4e-07	1e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5673e+00	7.5783e+00	8e+00	2e+00	3e-16	2e-01
2:	1.1206e+01	1.1209e+01	1e+00	5e-01	2e-15	3e-02
3:	1.2036e+01	1.2037e+01	2e-01	6e-02	1e-15	4e-03
4:	1.2143e+01	1.2143e+01	6e-03	2e-03	1e-15	1e-04
5:	1.2146e+01	1.2146e+01	6e-05	2e-05	6e-16	1e-06
6:	1.2146e+01	1.2146e+01	6e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1141e+01	1.1141e+01	5e+00	1e+00	4e-16	1e-01
2:	1.3943e+01	1.3943e+01	1e-01	3e-02	2e-15	3e-03

3:	1.3999e+01	1.3999e+01	1e-03	3e-04	2e-15	3e-05
4:	1.4000e+01	1.4000e+01	1e-05	3e-06	9e-16	3e-07
5:	1.4000e+01	1.4000e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.6904e+00	8.6995e+00	7e+00	2e+00	4e-16	1e-01
2:	1.2815e+01	1.2818e+01	1e+00	5e-01	3e-15	3e-02
3:	1.3392e+01	1.3393e+01	3e-01	1e-01	2e-15	7e-03
4:	1.3548e+01	1.3548e+01	4e-02	1e-02	9e-16	1e-03
5:	1.3567e+01	1.3567e+01	4e-04	1e-04	1e-15	1e-05
6:	1.3567e+01	1.3567e+01	4e-06	1e-06	1e-15	1e-07
7:	1.3567e+01	1.3567e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0933e+01	1.0935e+01	5e+00	2e+00	4e-16	1e-01
2:	1.3761e+01	1.3761e+01	5e-01	1e-01	2e-15	1e-02
3:	1.3997e+01	1.3997e+01	6e-03	2e-03	4e-15	1e-04
4:	1.4000e+01	1.4000e+01	6e-05	2e-05	3e-15	1e-06
5:	1.4000e+01	1.4000e+01	6e-07	2e-07	3e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0649e+00	9.0719e+00	6e+00	2e+00	7e-16	1e-01
2:	1.2661e+01	1.2663e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3417e+01	1.3418e+01	1e-01	4e-02	1e-15	3e-03
4:	1.3486e+01	1.3486e+01	9e-03	3e-03	8e-16	2e-04
5:	1.3491e+01	1.3491e+01	9e-05	3e-05	1e-15	2e-06
6:	1.3491e+01	1.3491e+01	9e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0336e+01	1.0339e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3688e+01	1.3689e+01	7e-01	2e-01	2e-15	2e-02
3:	1.3996e+01	1.3996e+01	8e-03	3e-03	2e-15	2e-04
4:	1.4000e+01	1.4000e+01	8e-05	3e-05	2e-15	2e-06
5:	1.4000e+01	1.4000e+01	8e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0846e+01	1.0848e+01	5e+00	2e+00	4e-16	1e-01
2:	1.3740e+01	1.3741e+01	5e-01	2e-01	2e-15	1e-02
3:	1.3997e+01	1.3997e+01	6e-03	2e-03	2e-15	1e-04
4:	1.4000e+01	1.4000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.4000e+01	1.4000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.7060e+00	9.7119e+00	6e+00	2e+00	3e-16	1e-01
2:	1.3504e+01	1.3506e+01	1e+00	3e-01	3e-15	3e-02
3:	1.3960e+01	1.3960e+01	8e-02	3e-02	3e-15	2e-03
4:	1.4000e+01	1.4000e+01	8e-04	3e-04	8e-16	2e-05
5:	1.4000e+01	1.4000e+01	8e-06	3e-06	5e-16	2e-07
6:	1.4000e+01	1.4000e+01	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.3298e+00	9.3339e+00	7e+00	2e+00	1e-15	2e-01
2:	1.3594e+01	1.3595e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3979e+01	1.3979e+01	4e-02	1e-02	2e-15	1e-03
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	1e-15	1e-05
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	1e-15	1e-07
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5683e+00	9.5722e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3523e+01	1.3524e+01	9e-01	3e-01	3e-15	2e-02
3:	1.3940e+01	1.3940e+01	2e-01	5e-02	3e-15	4e-03
4:	1.3998e+01	1.3998e+01	4e-03	1e-03	7e-15	9e-05
5:	1.4000e+01	1.4000e+01	4e-05	1e-05	2e-15	9e-07
6:	1.4000e+01	1.4000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.6557e+00	9.6609e+00	6e+00	2e+00	4e-16	1e-01
2:	1.3092e+01	1.3094e+01	1e+00	4e-01	2e-15	3e-02
3:	1.3866e+01	1.3866e+01	2e-01	6e-02	1e-15	4e-03
4:	1.3959e+01	1.3959e+01	4e-02	1e-02	1e-14	8e-04
5:	1.3970e+01	1.3970e+01	9e-03	3e-03	3e-14	2e-04
6:	1.3975e+01	1.3975e+01	3e-04	8e-05	1e-15	6e-06
7:	1.3975e+01	1.3975e+01	3e-06	8e-07	1e-14	6e-08
8:	1.3975e+01	1.3975e+01	3e-08	8e-09	1e-14	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.4857e+00	9.4897e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3238e+01	1.3239e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3977e+01	1.3978e+01	4e-02	1e-02	2e-15	1e-03
4:	1.4000e+01	1.4000e+01	4e-04	1e-04	7e-16	1e-05
5:	1.4000e+01	1.4000e+01	4e-06	1e-06	6e-16	1e-07
6:	1.4000e+01	1.4000e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.0258e+01	1.0261e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3539e+01	1.3539e+01	9e-01	3e-01	2e-15	2e-02
3:	1.3993e+01	1.3993e+01	1e-02	4e-03	1e-15	3e-04
4:	1.4000e+01	1.4000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.4000e+01	1.4000e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0977e+01	1.0979e+01	5e+00	2e+00	6e-16	1e-01
2:	1.3811e+01	1.3811e+01	4e-01	1e-01	2e-15	9e-03
3:	1.3998e+01	1.3998e+01	4e-03	1e-03	3e-15	9e-05
4:	1.4000e+01	1.4000e+01	4e-05	1e-05	3e-15	9e-07
5:	1.4000e+01	1.4000e+01	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0357e+01	1.0360e+01	6e+00	2e+00	8e-16	1e-01
2:	1.3816e+01	1.3816e+01	4e-01	1e-01	2e-15	9e-03
3:	1.3998e+01	1.3998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.4000e+01	1.4000e+01	4e-05	1e-05	1e-15	9e-07
5:	1.4000e+01	1.4000e+01	4e-07	1e-07	1e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3483e+00	8.3574e+00	8e+00	2e+00	3e-16	2e-01
2:	1.2954e+01	1.2956e+01	1e+00	4e-01	1e-15	3e-02
3:	1.3545e+01	1.3546e+01	3e-01	1e-01	1e-15	7e-03
4:	1.3676e+01	1.3676e+01	5e-02	2e-02	2e-15	1e-03
5:	1.3705e+01	1.3705e+01	7e-04	2e-04	7e-16	2e-05
6:	1.3705e+01	1.3705e+01	7e-06	2e-06	7e-16	2e-07
7:	1.3705e+01	1.3705e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1189e+01	1.1190e+01	4e+00	1e+00	4e-16	1e-01
2:	1.3826e+01	1.3826e+01	3e-01	1e-01	2e-15	8e-03
3:	1.3998e+01	1.3998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.4000e+01	1.4000e+01	3e-05	1e-05	2e-15	8e-07
5:	1.4000e+01	1.4000e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.7842e+00	9.7889e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3404e+01	1.3406e+01	1e+00	4e-01	5e-15	3e-02
3:	1.3985e+01	1.3985e+01	3e-02	9e-03	2e-15	7e-04
4:	1.4000e+01	1.4000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.4000e+01	1.4000e+01	3e-06	9e-07	9e-16	7e-08
6:	1.4000e+01	1.4000e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8702e+00	8.8791e+00	7e+00	2e+00	3e-16	1e-01
2:	1.2072e+01	1.2076e+01	2e+00	6e-01	1e-15	4e-02
3:	1.2817e+01	1.2818e+01	4e-01	1e-01	1e-15	1e-02
4:	1.3072e+01	1.3072e+01	5e-02	2e-02	9e-16	1e-03
5:	1.3094e+01	1.3094e+01	5e-04	2e-04	6e-16	1e-05
6:	1.3094e+01	1.3094e+01	5e-06	2e-06	6e-16	1e-07
7:	1.3094e+01	1.3094e+01	5e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.7763e+00	8.7804e+00	7e+00	2e+00	6e-16	2e-01
2:	1.3401e+01	1.3402e+01	1e+00	3e-01	2e-15	2e-02
3:	1.3941e+01	1.3941e+01	1e-01	4e-02	2e-15	3e-03
4:	1.3993e+01	1.3993e+01	1e-02	4e-03	2e-14	3e-04
5:	1.4000e+01	1.4000e+01	1e-04	4e-05	2e-15	3e-06
6:	1.4000e+01	1.4000e+01	1e-06	4e-07	2e-15	3e-08
7:	1.4000e+01	1.4000e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0125e+01	1.0129e+01	6e+00	2e+00	7e-16	1e-01
2:	1.3477e+01	1.3478e+01	1e+00	3e-01	3e-15	3e-02
3:	1.3984e+01	1.3984e+01	3e-02	9e-03	3e-15	7e-04
4:	1.4000e+01	1.4000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.4000e+01	1.4000e+01	3e-06	9e-07	1e-15	7e-08
6:	1.4000e+01	1.4000e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8967e+00	8.9049e+00	7e+00	2e+00	3e-16	1e-01
2:	1.2059e+01	1.2062e+01	2e+00	5e-01	3e-15	4e-02
3:	1.2959e+01	1.2959e+01	1e-01	4e-02	7e-16	3e-03
4:	1.3022e+01	1.3022e+01	1e-02	4e-03	7e-16	3e-04
5:	1.3029e+01	1.3029e+01	1e-03	3e-04	1e-15	3e-05
6:	1.3030e+01	1.3030e+01	1e-05	3e-06	6e-16	3e-07
7:	1.3030e+01	1.3030e+01	1e-07	3e-08	6e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1104e+01	1.1105e+01	5e+00	1e+00	1e-15	1e-01
2:	1.3890e+01	1.3890e+01	2e-01	6e-02	2e-15	5e-03
3:	1.3999e+01	1.3999e+01	2e-03	6e-04	1e-15	5e-05
4:	1.4000e+01	1.4000e+01	2e-05	6e-06	2e-15	5e-07
5:	1.4000e+01	1.4000e+01	2e-07	6e-08	2e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8926e+00	8.9038e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3599e+01	1.3602e+01	9e-01	3e-01	3e-15	2e-02
3:	1.3958e+01	1.3959e+01	1e-01	4e-02	2e-15	3e-03
4:	1.3999e+01	1.3999e+01	3e-03	8e-04	6e-15	6e-05
5:	1.4000e+01	1.4000e+01	3e-05	8e-06	3e-15	6e-07
6:	1.4000e+01	1.4000e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2275e+01	1.2275e+01	4e+00	1e+00	8e-16	1e-01
2:	1.4956e+01	1.4956e+01	7e-02	2e-02	3e-15	2e-03
3:	1.5000e+01	1.5000e+01	7e-04	2e-04	2e-15	2e-05
4:	1.5000e+01	1.5000e+01	7e-06	2e-06	3e-15	2e-07
5:	1.5000e+01	1.5000e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1785e+01	1.1786e+01	5e+00	2e+00	8e-16	1e-01
2:	1.4664e+01	1.4664e+01	6e-01	2e-01	3e-15	1e-02
3:	1.4995e+01	1.4995e+01	9e-03	3e-03	4e-15	2e-04
4:	1.5000e+01	1.5000e+01	9e-05	3e-05	3e-15	2e-06
5:	1.5000e+01	1.5000e+01	9e-07	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1947e+01	1.1948e+01	4e+00	1e+00	8e-16	1e-01
2:	1.4922e+01	1.4922e+01	1e-01	4e-02	3e-15	3e-03
3:	1.4999e+01	1.4999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.5000e+01	1.5000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.5000e+01	1.5000e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.8464e+00	9.8511e+00	8e+00	2e+00	4e-16	2e-01
2:	1.4604e+01	1.4605e+01	7e-01	2e-01	2e-15	2e-02
3:	1.4954e+01	1.4954e+01	8e-02	3e-02	2e-15	2e-03
4:	1.4993e+01	1.4993e+01	1e-02	4e-03	4e-15	3e-04
5:	1.4998e+01	1.4998e+01	2e-03	6e-04	1e-13	4e-05
6:	1.4998e+01	1.4998e+01	1e-04	4e-05	1e-13	3e-06
7:	1.4998e+01	1.4998e+01	1e-06	4e-07	3e-13	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2149e+01	1.2149e+01	4e+00	1e+00	5e-16	1e-01
2:	1.4944e+01	1.4944e+01	9e-02	3e-02	3e-15	2e-03
3:	1.4999e+01	1.4999e+01	9e-04	3e-04	2e-15	2e-05

4:	1.5000e+01	1.5000e+01	9e-06	3e-06	3e-15	2e-07
5:	1.5000e+01	1.5000e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2333e+01	1.2333e+01	4e+00	1e+00	5e-16	9e-02
2:	1.4965e+01	1.4965e+01	5e-02	2e-02	3e-15	1e-03
3:	1.5000e+01	1.5000e+01	5e-04	2e-04	3e-15	1e-05
4:	1.5000e+01	1.5000e+01	5e-06	2e-06	2e-15	1e-07
5:	1.5000e+01	1.5000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0687e+00	9.0759e+00	8e+00	3e+00	4e-16	2e-01
2:	1.3138e+01	1.3140e+01	1e+00	5e-01	2e-15	3e-02
3:	1.4072e+01	1.4072e+01	7e-02	2e-02	1e-15	2e-03
4:	1.4106e+01	1.4106e+01	7e-04	2e-04	7e-16	2e-05
5:	1.4107e+01	1.4107e+01	7e-06	2e-06	8e-16	2e-07
6:	1.4107e+01	1.4107e+01	7e-08	2e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0198e+01	1.0204e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3645e+01	1.3647e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4231e+01	1.4231e+01	2e-01	7e-02	1e-15	5e-03
4:	1.4339e+01	1.4339e+01	5e-02	2e-02	8e-16	1e-03
5:	1.4362e+01	1.4362e+01	5e-04	2e-04	8e-16	1e-05
6:	1.4362e+01	1.4362e+01	5e-06	2e-06	8e-16	1e-07
7:	1.4362e+01	1.4362e+01	5e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.9067e+00	9.9135e+00	6e+00	2e+00	5e-16	1e-01
2:	1.4567e+01	1.4569e+01	8e-01	3e-01	3e-15	2e-02
3:	1.4974e+01	1.4974e+01	7e-02	2e-02	5e-15	2e-03
4:	1.5000e+01	1.5000e+01	9e-04	3e-04	4e-15	2e-05
5:	1.5000e+01	1.5000e+01	9e-06	3e-06	4e-15	2e-07
6:	1.5000e+01	1.5000e+01	9e-08	3e-08	4e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0331e+01	1.0335e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4169e+01	1.4170e+01	1e+00	5e-01	2e-15	3e-02
3:	1.4972e+01	1.4972e+01	6e-02	2e-02	2e-15	1e-03
4:	1.5000e+01	1.5000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.5000e+01	1.5000e+01	6e-06	2e-06	7e-16	1e-07
6:	1.5000e+01	1.5000e+01	6e-08	2e-08	6e-16	1e-09

Optimal solution found.



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1328e+01	1.1330e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4884e+01	1.4884e+01	2e-01	7e-02	2e-15	5e-03
3:	1.4999e+01	1.4999e+01	2e-03	7e-04	1e-15	5e-05
4:	1.5000e+01	1.5000e+01	2e-05	7e-06	1e-15	5e-07
5:	1.5000e+01	1.5000e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1062e+01	1.1065e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4660e+01	1.4660e+01	8e-01	2e-01	3e-15	2e-02
3:	1.4975e+01	1.4975e+01	5e-02	1e-02	3e-15	1e-03
4:	1.5000e+01	1.5000e+01	5e-04	1e-04	7e-16	1e-05
5:	1.5000e+01	1.5000e+01	5e-06	1e-06	7e-16	1e-07
6:	1.5000e+01	1.5000e+01	5e-08	1e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.3849e+00	8.3924e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2597e+01	1.2599e+01	2e+00	5e-01	1e-15	4e-02
3:	1.3455e+01	1.3456e+01	2e-01	6e-02	1e-15	4e-03
4:	1.3565e+01	1.3565e+01	1e-02	4e-03	9e-16	3e-04
5:	1.3572e+01	1.3572e+01	4e-03	1e-03	1e-15	9e-05
6:	1.3575e+01	1.3575e+01	8e-05	2e-05	8e-16	2e-06
7:	1.3575e+01	1.3575e+01	8e-07	2e-07	7e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1516e+01	1.1518e+01	5e+00	2e+00	6e-16	1e-01
2:	1.4899e+01	1.4899e+01	2e-01	6e-02	2e-15	4e-03
3:	1.4999e+01	1.4999e+01	2e-03	6e-04	2e-15	4e-05
4:	1.5000e+01	1.5000e+01	2e-05	6e-06	1e-15	4e-07
5:	1.5000e+01	1.5000e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1085e+01	1.1087e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4624e+01	1.4624e+01	7e-01	2e-01	2e-15	2e-02
3:	1.4995e+01	1.4995e+01	8e-03	3e-03	2e-15	2e-04
4:	1.5000e+01	1.5000e+01	8e-05	3e-05	1e-15	2e-06
5:	1.5000e+01	1.5000e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0891e+01	1.0895e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4462e+01	1.4463e+01	1e+00	3e-01	2e-15	2e-02
3:	1.4990e+01	1.4990e+01	2e-02	6e-03	2e-15	4e-04

4:	1.5000e+01	1.5000e+01	2e-04	6e-05	2e-15	4e-06
5:	1.5000e+01	1.5000e+01	2e-06	6e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1452e+01	1.1453e+01	5e+00	2e+00	7e-16	1e-01
2:	1.4618e+01	1.4618e+01	7e-01	2e-01	3e-15	2e-02
3:	1.4995e+01	1.4995e+01	1e-02	3e-03	2e-15	2e-04
4:	1.5000e+01	1.5000e+01	1e-04	3e-05	2e-15	2e-06
5:	1.5000e+01	1.5000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0651e+01	1.0656e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4677e+01	1.4678e+01	8e-01	3e-01	4e-15	2e-02
3:	1.4961e+01	1.4961e+01	8e-02	3e-02	3e-15	2e-03
4:	1.5000e+01	1.5000e+01	8e-04	3e-04	7e-16	2e-05
5:	1.5000e+01	1.5000e+01	8e-06	3e-06	7e-16	2e-07
6:	1.5000e+01	1.5000e+01	8e-08	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2052e+01	1.2052e+01	4e+00	1e+00	5e-16	1e-01
2:	1.4861e+01	1.4861e+01	2e-01	7e-02	3e-15	5e-03
3:	1.4999e+01	1.4999e+01	2e-03	7e-04	3e-15	6e-05
4:	1.5000e+01	1.5000e+01	2e-05	7e-06	3e-15	6e-07
5:	1.5000e+01	1.5000e+01	2e-07	7e-08	3e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2155e+01	1.2155e+01	4e+00	1e+00	7e-16	1e-01
2:	1.4913e+01	1.4913e+01	1e-01	4e-02	3e-15	3e-03
3:	1.4999e+01	1.4999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.5000e+01	1.5000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.5000e+01	1.5000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	8.8417e+00	8.8481e+00	8e+00	2e+00	4e-16	2e-01
2:	1.4504e+01	1.4505e+01	7e-01	2e-01	3e-15	2e-02
3:	1.4790e+01	1.4790e+01	2e-01	5e-02	3e-15	4e-03
4:	1.4871e+01	1.4871e+01	4e-03	1e-03	5e-16	1e-04
5:	1.4873e+01	1.4873e+01	4e-05	1e-05	1e-15	1e-06
6:	1.4873e+01	1.4873e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0219e+01	1.0225e+01	6e+00	2e+00	4e-16	1e-01

2:	1.3073e+01	1.3076e+01	2e+00	7e-01	2e-15	5e-02
3:	1.3982e+01	1.3983e+01	5e-01	1e-01	1e-15	1e-02
4:	1.4273e+01	1.4273e+01	2e-02	6e-03	1e-15	5e-04
5:	1.4283e+01	1.4283e+01	2e-04	6e-05	6e-16	5e-06
6:	1.4283e+01	1.4283e+01	2e-06	6e-07	5e-16	5e-08
7:	1.4283e+01	1.4283e+01	2e-08	6e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0597e+01	1.0602e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4647e+01	1.4648e+01	8e-01	3e-01	3e-15	2e-02
3:	1.4950e+01	1.4950e+01	1e-01	3e-02	4e-15	2e-03
4:	1.4999e+01	1.4999e+01	1e-03	3e-04	6e-16	2e-05
5:	1.5000e+01	1.5000e+01	1e-05	3e-06	5e-16	2e-07
6:	1.5000e+01	1.5000e+01	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0937e+01	1.0939e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4329e+01	1.4330e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4971e+01	1.4971e+01	6e-02	2e-02	2e-15	1e-03
4:	1.5000e+01	1.5000e+01	6e-04	2e-04	9e-16	1e-05
5:	1.5000e+01	1.5000e+01	6e-06	2e-06	6e-16	1e-07
6:	1.5000e+01	1.5000e+01	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0791e+01	1.0795e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4559e+01	1.4559e+01	8e-01	3e-01	3e-15	2e-02
3:	1.4992e+01	1.4992e+01	1e-02	5e-03	2e-15	3e-04
4:	1.5000e+01	1.5000e+01	1e-04	5e-05	1e-15	3e-06
5:	1.5000e+01	1.5000e+01	1e-06	5e-07	1e-15	3e-08
6:	1.5000e+01	1.5000e+01	1e-08	5e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1868e+01	1.1869e+01	5e+00	1e+00	4e-16	1e-01
2:	1.4923e+01	1.4923e+01	1e-01	4e-02	3e-15	3e-03
3:	1.4999e+01	1.4999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.5000e+01	1.5000e+01	1e-05	4e-06	1e-15	3e-07
5:	1.5000e+01	1.5000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1364e+01	1.1366e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4833e+01	1.4833e+01	3e-01	1e-01	2e-15	8e-03
3:	1.4998e+01	1.4998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.5000e+01	1.5000e+01	3e-05	1e-05	2e-15	8e-07

5: 1.5000e+01 1.5000e+01 3e-07 1e-07 2e-15 8e-09  
Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1524e+01	1.1525e+01	5e+00	2e+00	9e-16	1e-01
2:	1.4921e+01	1.4921e+01	1e-01	5e-02	3e-15	4e-03
3:	1.4999e+01	1.4999e+01	1e-03	5e-04	2e-15	4e-05
4:	1.5000e+01	1.5000e+01	1e-05	5e-06	1e-15	4e-07
5:	1.5000e+01	1.5000e+01	1e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1840e+01	1.1841e+01	5e+00	1e+00	8e-16	1e-01
2:	1.4782e+01	1.4782e+01	4e-01	1e-01	2e-15	9e-03
3:	1.4997e+01	1.4997e+01	5e-03	1e-03	3e-15	1e-04
4:	1.5000e+01	1.5000e+01	5e-05	1e-05	3e-15	1e-06
5:	1.5000e+01	1.5000e+01	5e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1127e+01	1.1129e+01	6e+00	2e+00	6e-16	1e-01
2:	1.4377e+01	1.4377e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4985e+01	1.4985e+01	3e-02	9e-03	2e-15	7e-04
4:	1.5000e+01	1.5000e+01	3e-04	9e-05	1e-15	7e-06
5:	1.5000e+01	1.5000e+01	3e-06	9e-07	1e-15	7e-08
6:	1.5000e+01	1.5000e+01	3e-08	9e-09	1e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.9350e+00	9.9389e+00	7e+00	2e+00	1e-15	2e-01
2:	1.3987e+01	1.3988e+01	9e-01	3e-01	3e-15	2e-02
3:	1.4569e+01	1.4569e+01	5e-02	1e-02	2e-15	1e-03
4:	1.4592e+01	1.4592e+01	5e-04	1e-04	2e-15	1e-05
5:	1.4592e+01	1.4592e+01	5e-06	1e-06	2e-15	1e-07
6:	1.4592e+01	1.4592e+01	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	9.5227e+00	9.5272e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3098e+01	1.3100e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3867e+01	1.3867e+01	2e-01	7e-02	7e-16	5e-03
4:	1.3996e+01	1.3996e+01	5e-03	2e-03	1e-15	1e-04
5:	1.3998e+01	1.3998e+01	5e-05	2e-05	5e-16	1e-06
6:	1.3998e+01	1.3998e+01	5e-07	2e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.5119e+00	7.5202e+00	8e+00	2e+00	1e-15	2e-01

2:	1.2273e+01	1.2275e+01	1e+00	3e-01	2e-15	2e-02
3:	1.2834e+01	1.2834e+01	2e-01	5e-02	2e-15	4e-03
4:	1.2910e+01	1.2910e+01	3e-02	1e-02	5e-15	8e-04
5:	1.2929e+01	1.2929e+01	8e-04	3e-04	2e-15	2e-05
6:	1.2930e+01	1.2930e+01	8e-06	3e-06	3e-15	2e-07
7:	1.2930e+01	1.2930e+01	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0271e+00	9.0334e+00	8e+00	2e+00	9e-16	2e-01
2:	1.4096e+01	1.4098e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4594e+01	1.4594e+01	4e-01	1e-01	3e-15	9e-03
4:	1.4726e+01	1.4727e+01	8e-02	3e-02	9e-15	2e-03
5:	1.4762e+01	1.4762e+01	3e-02	9e-03	3e-15	7e-04
6:	1.4776e+01	1.4776e+01	4e-04	1e-04	3e-15	9e-06
7:	1.4777e+01	1.4777e+01	4e-06	1e-06	2e-15	9e-08
8:	1.4777e+01	1.4777e+01	4e-08	1e-08	2e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0043e+01	1.0046e+01	8e+00	2e+00	4e-16	2e-01
2:	1.4378e+01	1.4379e+01	1e+00	3e-01	3e-15	3e-02
3:	1.4952e+01	1.4952e+01	1e-01	4e-02	2e-15	3e-03
4:	1.4999e+01	1.4999e+01	2e-03	5e-04	1e-14	4e-05
5:	1.5000e+01	1.5000e+01	2e-05	5e-06	6e-15	4e-07
6:	1.5000e+01	1.5000e+01	2e-07	5e-08	7e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0809e+01	1.0813e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4227e+01	1.4228e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4922e+01	1.4922e+01	2e-01	5e-02	9e-16	4e-03
4:	1.4988e+01	1.4988e+01	2e-02	7e-03	2e-14	5e-04
5:	1.5000e+01	1.5000e+01	2e-04	7e-05	8e-16	6e-06
6:	1.5000e+01	1.5000e+01	2e-06	7e-07	1e-15	6e-08
7:	1.5000e+01	1.5000e+01	2e-08	7e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.6300e+00	9.6389e+00	7e+00	2e+00	3e-16	1e-01
2:	1.4291e+01	1.4293e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4979e+01	1.4979e+01	5e-02	2e-02	3e-15	1e-03
4:	1.5000e+01	1.5000e+01	5e-04	2e-04	9e-16	1e-05
5:	1.5000e+01	1.5000e+01	5e-06	2e-06	9e-16	1e-07
6:	1.5000e+01	1.5000e+01	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.1709e+01	1.1710e+01	5e+00	2e+00	4e-16	1e-01
2:	1.4862e+01	1.4862e+01	2e-01	8e-02	2e-15	6e-03
3:	1.4999e+01	1.4999e+01	2e-03	8e-04	1e-15	6e-05
4:	1.5000e+01	1.5000e+01	2e-05	8e-06	1e-15	6e-07
5:	1.5000e+01	1.5000e+01	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1636e+01	1.1637e+01	5e+00	2e+00	7e-16	1e-01
2:	1.4837e+01	1.4837e+01	3e-01	9e-02	2e-15	7e-03
3:	1.4998e+01	1.4998e+01	3e-03	9e-04	2e-15	7e-05
4:	1.5000e+01	1.5000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.5000e+01	1.5000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.9027e+00	9.9092e+00	6e+00	2e+00	5e-16	1e-01
2:	1.3451e+01	1.3454e+01	2e+00	5e-01	3e-15	4e-02
3:	1.4264e+01	1.4265e+01	2e-01	5e-02	1e-15	4e-03
4:	1.4366e+01	1.4366e+01	2e-03	6e-04	1e-15	4e-05
5:	1.4367e+01	1.4367e+01	2e-05	6e-06	9e-16	4e-07
6:	1.4367e+01	1.4367e+01	2e-07	6e-08	8e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.5365e+00	9.5443e+00	7e+00	2e+00	3e-16	2e-01
2:	1.3989e+01	1.3991e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4608e+01	1.4608e+01	1e-01	4e-02	1e-15	3e-03
4:	1.4672e+01	1.4672e+01	1e-03	4e-04	8e-16	3e-05
5:	1.4673e+01	1.4673e+01	1e-05	4e-06	8e-16	3e-07
6:	1.4673e+01	1.4673e+01	1e-07	4e-08	8e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0534e+01	1.0539e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3853e+01	1.3855e+01	1e+00	5e-01	2e-15	3e-02
3:	1.4583e+01	1.4583e+01	3e-01	9e-02	1e-15	7e-03
4:	1.4743e+01	1.4743e+01	8e-03	3e-03	2e-15	2e-04
5:	1.4748e+01	1.4748e+01	8e-05	3e-05	7e-16	2e-06
6:	1.4748e+01	1.4748e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0462e+01	1.0467e+01	6e+00	2e+00	3e-16	1e-01
2:	1.3161e+01	1.3163e+01	2e+00	6e-01	2e-15	5e-02
3:	1.4138e+01	1.4138e+01	3e-01	1e-01	1e-15	8e-03
4:	1.4354e+01	1.4354e+01	9e-03	3e-03	1e-15	2e-04
5:	1.4359e+01	1.4359e+01	9e-05	3e-05	7e-16	2e-06

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6: 1.4359e+01 1.4359e+01 9e-07 3e-07 7e-16 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.0472e+01 1.0475e+01 7e+00 2e+00 3e-16 2e-01
2: 1.4755e+01 1.4755e+01 6e-01 2e-01 2e-15 1e-02
3: 1.4996e+01 1.4996e+01 8e-03 2e-03 3e-15 2e-04
4: 1.5000e+01 1.5000e+01 8e-05 2e-05 2e-15 2e-06
5: 1.5000e+01 1.5000e+01 8e-07 2e-07 2e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 9.5325e+00 9.5417e+00 7e+00 2e+00 4e-16 1e-01
2: 1.3761e+01 1.3764e+01 1e+00 5e-01 3e-15 3e-02
3: 1.4347e+01 1.4348e+01 3e-01 1e-01 2e-15 8e-03
4: 1.4555e+01 1.4555e+01 5e-03 2e-03 9e-16 1e-04
5: 1.4558e+01 1.4558e+01 5e-05 2e-05 1e-15 1e-06
6: 1.4558e+01 1.4558e+01 5e-07 2e-07 1e-15 1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1577e+01 1.1578e+01 5e+00 2e+00 7e-16 1e-01
2: 1.4669e+01 1.4670e+01 6e-01 2e-01 2e-15 2e-02
3: 1.4994e+01 1.4994e+01 1e-02 3e-03 2e-15 2e-04
4: 1.5000e+01 1.5000e+01 1e-04 3e-05 1e-15 2e-06
5: 1.5000e+01 1.5000e+01 1e-06 3e-07 2e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 8.7645e+00 8.7775e+00 7e+00 2e+00 4e-16 2e-01
2: 1.3119e+01 1.3124e+01 2e+00 5e-01 2e-15 4e-02
3: 1.4025e+01 1.4025e+01 7e-02 2e-02 1e-15 2e-03
4: 1.4064e+01 1.4064e+01 7e-04 2e-04 9e-16 2e-05
5: 1.4064e+01 1.4064e+01 7e-06 2e-06 8e-16 2e-07
6: 1.4064e+01 1.4064e+01 7e-08 2e-08 1e-15 2e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 1.0437e+01 1.0442e+01 6e+00 2e+00 2e-15 1e-01
2: 1.4526e+01 1.4527e+01 1e+00 3e-01 3e-15 2e-02
3: 1.4971e+01 1.4971e+01 5e-02 2e-02 3e-15 1e-03
4: 1.5000e+01 1.5000e+01 5e-04 2e-04 2e-15 1e-05
5: 1.5000e+01 1.5000e+01 5e-06 2e-06 2e-15 1e-07
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 1e+01 1e-16 1e+00
1: 9.9075e+00 9.9140e+00 7e+00 2e+00 5e-16 2e-01
2: 1.4596e+01 1.4597e+01 8e-01 3e-01 1e-15 2e-02

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3:	1.4977e+01	1.4977e+01	5e-02	1e-02	4e-15	1e-03
4:	1.5000e+01	1.5000e+01	5e-04	1e-04	8e-16	1e-05
5:	1.5000e+01	1.5000e+01	5e-06	1e-06	1e-15	1e-07
6:	1.5000e+01	1.5000e+01	5e-08	1e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1004e+01	1.1006e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4608e+01	1.4609e+01	8e-01	3e-01	3e-15	2e-02
3:	1.4980e+01	1.4980e+01	4e-02	1e-02	3e-15	9e-04
4:	1.5000e+01	1.5000e+01	4e-04	1e-04	7e-16	9e-06
5:	1.5000e+01	1.5000e+01	4e-06	1e-06	8e-16	9e-08
6:	1.5000e+01	1.5000e+01	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	6.5523e+00	6.5667e+00	8e+00	2e+00	5e-16	2e-01
2:	1.0436e+01	1.0439e+01	1e+00	4e-01	3e-15	3e-02
3:	1.0986e+01	1.0987e+01	2e-01	7e-02	3e-15	5e-03
4:	1.1121e+01	1.1121e+01	8e-03	2e-03	1e-15	2e-04
5:	1.1125e+01	1.1125e+01	8e-05	2e-05	4e-16	2e-06
6:	1.1125e+01	1.1125e+01	8e-07	2e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1954e+01	1.1957e+01	5e+00	2e+00	6e-16	1e-01
2:	1.5655e+01	1.5656e+01	6e-01	2e-01	4e-15	2e-02
3:	1.5994e+01	1.5994e+01	1e-02	3e-03	3e-15	2e-04
4:	1.6000e+01	1.6000e+01	1e-04	3e-05	2e-15	2e-06
5:	1.6000e+01	1.6000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2024e+01	1.2027e+01	5e+00	2e+00	4e-16	1e-01
2:	1.5618e+01	1.5619e+01	7e-01	2e-01	2e-15	2e-02
3:	1.5980e+01	1.5980e+01	3e-02	1e-02	3e-15	8e-04
4:	1.6000e+01	1.6000e+01	3e-04	1e-04	1e-15	8e-06
5:	1.6000e+01	1.6000e+01	3e-06	1e-06	9e-16	8e-08
6:	1.6000e+01	1.6000e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2157e+01	1.2159e+01	6e+00	2e+00	5e-16	1e-01
2:	1.5697e+01	1.5698e+01	5e-01	2e-01	2e-15	1e-02
3:	1.5997e+01	1.5997e+01	6e-03	2e-03	2e-15	1e-04
4:	1.6000e+01	1.6000e+01	6e-05	2e-05	1e-15	1e-06
5:	1.6000e+01	1.6000e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).



	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0556e+01	1.0561e+01	6e+00	2e+00	1e-15	1e-01
2:	1.4621e+01	1.4622e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5362e+01	1.5362e+01	9e-02	3e-02	1e-15	2e-03
4:	1.5417e+01	1.5417e+01	9e-04	3e-04	1e-15	2e-05
5:	1.5417e+01	1.5417e+01	9e-06	3e-06	1e-15	2e-07
6:	1.5417e+01	1.5417e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	7.6374e+00	7.6481e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1784e+01	1.1787e+01	2e+00	5e-01	2e-15	3e-02
3:	1.2637e+01	1.2637e+01	2e-01	7e-02	1e-15	5e-03
4:	1.2768e+01	1.2768e+01	8e-03	3e-03	1e-15	2e-04
5:	1.2772e+01	1.2772e+01	8e-05	3e-05	1e-15	2e-06
6:	1.2772e+01	1.2772e+01	8e-07	3e-07	1e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1615e+01	1.1619e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4683e+01	1.4685e+01	2e+00	5e-01	3e-15	4e-02
3:	1.5604e+01	1.5604e+01	3e-01	1e-01	2e-15	8e-03
4:	1.5809e+01	1.5809e+01	2e-02	6e-03	2e-15	5e-04
5:	1.5821e+01	1.5821e+01	2e-04	6e-05	1e-15	5e-06
6:	1.5822e+01	1.5822e+01	2e-06	6e-07	1e-15	5e-08
7:	1.5822e+01	1.5822e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1231e+01	1.1237e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5288e+01	1.5289e+01	1e+00	4e-01	3e-15	3e-02
3:	1.5902e+01	1.5903e+01	2e-01	6e-02	1e-15	4e-03
4:	1.5991e+01	1.5991e+01	2e-02	5e-03	1e-14	4e-04
5:	1.6000e+01	1.6000e+01	2e-04	5e-05	9e-16	4e-06
6:	1.6000e+01	1.6000e+01	2e-06	5e-07	1e-15	4e-08
7:	1.6000e+01	1.6000e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0801e+01	1.0808e+01	6e+00	2e+00	5e-16	1e-01
2:	1.5621e+01	1.5623e+01	8e-01	2e-01	3e-15	2e-02
3:	1.5977e+01	1.5977e+01	4e-02	1e-02	2e-15	1e-03
4:	1.6000e+01	1.6000e+01	4e-04	1e-04	7e-16	1e-05
5:	1.6000e+01	1.6000e+01	4e-06	1e-06	8e-16	1e-07
6:	1.6000e+01	1.6000e+01	4e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
--	-------	-------	-----	------	------	-----

0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0074e+01	1.0083e+01	7e+00	2e+00	2e-15	2e-01
2:	1.5392e+01	1.5394e+01	1e+00	4e-01	3e-15	3e-02
3:	1.5981e+01	1.5981e+01	5e-02	1e-02	3e-15	1e-03
4:	1.6000e+01	1.6000e+01	5e-04	2e-04	2e-15	1e-05
5:	1.6000e+01	1.6000e+01	5e-06	2e-06	2e-15	1e-07
6:	1.6000e+01	1.6000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2690e+01	1.2691e+01	5e+00	1e+00	4e-16	1e-01
2:	1.5779e+01	1.5780e+01	4e-01	1e-01	2e-15	9e-03
3:	1.5996e+01	1.5996e+01	6e-03	2e-03	3e-15	1e-04
4:	1.6000e+01	1.6000e+01	6e-05	2e-05	2e-15	1e-06
5:	1.6000e+01	1.6000e+01	6e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0174e+01	1.0181e+01	6e+00	2e+00	4e-16	1e-01
2:	1.3963e+01	1.3966e+01	1e+00	4e-01	3e-15	3e-02
3:	1.4886e+01	1.4886e+01	3e-02	1e-02	1e-15	8e-04
4:	1.4904e+01	1.4904e+01	3e-04	1e-04	7e-16	8e-06
5:	1.4904e+01	1.4904e+01	3e-06	1e-06	7e-16	8e-08
6:	1.4904e+01	1.4904e+01	3e-08	1e-08	6e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1646e+01	1.1649e+01	6e+00	2e+00	7e-16	1e-01
2:	1.5874e+01	1.5874e+01	2e-01	8e-02	3e-15	6e-03
3:	1.5999e+01	1.5999e+01	2e-03	8e-04	2e-15	6e-05
4:	1.6000e+01	1.6000e+01	2e-05	8e-06	2e-15	6e-07
5:	1.6000e+01	1.6000e+01	2e-07	8e-08	1e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0786e+01	1.0791e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4800e+01	1.4801e+01	8e-01	3e-01	2e-15	2e-02
3:	1.5333e+01	1.5333e+01	2e-02	7e-03	1e-15	5e-04
4:	1.5345e+01	1.5345e+01	2e-04	7e-05	8e-16	5e-06
5:	1.5345e+01	1.5345e+01	2e-06	7e-07	6e-16	5e-08
6:	1.5345e+01	1.5345e+01	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1209e+01	1.1214e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5780e+01	1.5781e+01	6e-01	2e-01	4e-15	1e-02
3:	1.5973e+01	1.5973e+01	6e-02	2e-02	3e-15	1e-03
4:	1.6000e+01	1.6000e+01	6e-04	2e-04	7e-16	1e-05

5:	1.6000e+01	1.6000e+01	6e-06	2e-06	7e-16	1e-07
6:	1.6000e+01	1.6000e+01	6e-08	2e-08	7e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0370e+01	1.0377e+01	6e+00	2e+00	1e-15	1e-01
2:	1.3341e+01	1.3344e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4439e+01	1.4440e+01	3e-01	9e-02	2e-15	7e-03
4:	1.4618e+01	1.4618e+01	5e-03	2e-03	1e-15	1e-04
5:	1.4621e+01	1.4621e+01	5e-05	2e-05	1e-15	1e-06
6:	1.4621e+01	1.4621e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1285e+00	9.1366e+00	8e+00	2e+00	3e-16	2e-01
2:	1.3601e+01	1.3603e+01	2e+00	5e-01	8e-16	3e-02
3:	1.4501e+01	1.4501e+01	1e-01	4e-02	9e-16	3e-03
4:	1.4566e+01	1.4566e+01	1e-03	5e-04	6e-16	3e-05
5:	1.4567e+01	1.4567e+01	1e-05	5e-06	6e-16	3e-07
6:	1.4567e+01	1.4567e+01	1e-07	5e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2900e+01	1.2901e+01	4e+00	1e+00	4e-16	1e-01
2:	1.5906e+01	1.5906e+01	1e-01	4e-02	3e-15	3e-03
3:	1.5999e+01	1.5999e+01	1e-03	4e-04	2e-15	3e-05
4:	1.6000e+01	1.6000e+01	1e-05	4e-06	2e-15	3e-07
5:	1.6000e+01	1.6000e+01	1e-07	4e-08	2e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0948e+01	1.0954e+01	6e+00	2e+00	7e-16	1e-01
2:	1.4256e+01	1.4258e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5218e+01	1.5218e+01	2e-01	7e-02	1e-15	5e-03
4:	1.5352e+01	1.5352e+01	3e-03	1e-03	9e-16	7e-05
5:	1.5354e+01	1.5354e+01	3e-05	1e-05	7e-16	7e-07
6:	1.5354e+01	1.5354e+01	3e-07	1e-07	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1986e+01	1.1988e+01	5e+00	2e+00	9e-16	1e-01
2:	1.5639e+01	1.5639e+01	7e-01	2e-01	4e-15	2e-02
3:	1.5991e+01	1.5991e+01	2e-02	5e-03	3e-15	4e-04
4:	1.6000e+01	1.6000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.6000e+01	1.6000e+01	2e-06	5e-07	1e-15	4e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.2529e+01	1.2530e+01	5e+00	2e+00	6e-16	1e-01
2:	1.5821e+01	1.5821e+01	3e-01	1e-01	3e-15	8e-03
3:	1.5998e+01	1.5998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.6000e+01	1.6000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.6000e+01	1.6000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1936e+01	1.1939e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5569e+01	1.5570e+01	7e-01	2e-01	2e-15	2e-02
3:	1.5994e+01	1.5994e+01	1e-02	3e-03	2e-15	2e-04
4:	1.6000e+01	1.6000e+01	1e-04	3e-05	2e-15	2e-06
5:	1.6000e+01	1.6000e+01	1e-06	3e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2504e+01	1.2505e+01	5e+00	2e+00	7e-16	1e-01
2:	1.5775e+01	1.5775e+01	4e-01	1e-01	3e-15	1e-02
3:	1.5997e+01	1.5997e+01	5e-03	2e-03	2e-15	1e-04
4:	1.6000e+01	1.6000e+01	5e-05	2e-05	1e-15	1e-06
5:	1.6000e+01	1.6000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1956e+01	1.1958e+01	6e+00	2e+00	6e-16	1e-01
2:	1.5313e+01	1.5314e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5969e+01	1.5969e+01	6e-02	2e-02	2e-15	1e-03
4:	1.6000e+01	1.6000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.6000e+01	1.6000e+01	6e-06	2e-06	9e-16	1e-07
6:	1.6000e+01	1.6000e+01	6e-08	2e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1776e+01	1.1780e+01	6e+00	2e+00	7e-16	1e-01
2:	1.5207e+01	1.5208e+01	1e+00	3e-01	5e-15	2e-02
3:	1.5917e+01	1.5917e+01	9e-02	3e-02	3e-15	2e-03
4:	1.5948e+01	1.5948e+01	3e-02	8e-03	3e-14	6e-04
5:	1.5964e+01	1.5964e+01	3e-03	9e-04	4e-15	7e-05
6:	1.5965e+01	1.5965e+01	3e-05	9e-06	1e-14	7e-07
7:	1.5965e+01	1.5965e+01	3e-07	9e-08	8e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1856e+01	1.1860e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5782e+01	1.5782e+01	4e-01	1e-01	3e-15	9e-03
3:	1.5998e+01	1.5998e+01	4e-03	1e-03	2e-15	1e-04
4:	1.6000e+01	1.6000e+01	4e-05	1e-05	2e-15	1e-06
5:	1.6000e+01	1.6000e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.7243e+00	9.7338e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3804e+01	1.3807e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4725e+01	1.4725e+01	7e-02	2e-02	1e-15	2e-03
4:	1.4769e+01	1.4769e+01	7e-04	2e-04	7e-16	2e-05
5:	1.4769e+01	1.4769e+01	7e-06	2e-06	7e-16	2e-07
6:	1.4769e+01	1.4769e+01	7e-08	2e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0366e+01	1.0372e+01	6e+00	2e+00	6e-16	1e-01
2:	1.3718e+01	1.3721e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4636e+01	1.4637e+01	3e-01	9e-02	1e-15	6e-03
4:	1.4816e+01	1.4816e+01	1e-02	4e-03	1e-15	3e-04
5:	1.4823e+01	1.4823e+01	1e-04	4e-05	9e-16	3e-06
6:	1.4823e+01	1.4823e+01	1e-06	4e-07	1e-15	3e-08
7:	1.4823e+01	1.4823e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.8710e+00	9.8767e+00	8e+00	2e+00	4e-16	2e-01
2:	1.5112e+01	1.5114e+01	1e+00	3e-01	2e-15	2e-02
3:	1.5568e+01	1.5568e+01	2e-01	8e-02	1e-15	6e-03
4:	1.5715e+01	1.5715e+01	3e-03	9e-04	1e-15	7e-05
5:	1.5716e+01	1.5716e+01	3e-05	9e-06	7e-16	7e-07
6:	1.5716e+01	1.5716e+01	3e-07	9e-08	9e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0950e+01	1.0956e+01	6e+00	2e+00	4e-16	1e-01
2:	1.4187e+01	1.4190e+01	2e+00	6e-01	1e-15	4e-02
3:	1.5137e+01	1.5138e+01	3e-01	1e-01	2e-15	8e-03
4:	1.5340e+01	1.5340e+01	2e-02	8e-03	1e-15	6e-04
5:	1.5351e+01	1.5351e+01	2e-04	8e-05	6e-16	6e-06
6:	1.5351e+01	1.5351e+01	2e-06	8e-07	5e-16	6e-08
7:	1.5351e+01	1.5351e+01	2e-08	8e-09	7e-16	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3117e+01	1.3117e+01	4e+00	1e+00	3e-16	1e-01
2:	1.5962e+01	1.5962e+01	5e-02	2e-02	5e-15	1e-03
3:	1.6000e+01	1.6000e+01	5e-04	2e-04	2e-15	1e-05
4:	1.6000e+01	1.6000e+01	5e-06	2e-06	2e-15	1e-07
5:	1.6000e+01	1.6000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1530e+01	1.1533e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5394e+01	1.5395e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5952e+01	1.5952e+01	9e-02	3e-02	4e-15	2e-03
4:	1.6000e+01	1.6000e+01	9e-04	3e-04	5e-16	2e-05
5:	1.6000e+01	1.6000e+01	9e-06	3e-06	6e-16	2e-07
6:	1.6000e+01	1.6000e+01	9e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	9.0750e+00	9.0803e+00	8e+00	3e+00	3e-16	2e-01
2:	1.3213e+01	1.3215e+01	1e+00	4e-01	2e-15	3e-02
3:	1.4033e+01	1.4034e+01	2e-01	6e-02	2e-15	5e-03
4:	1.4120e+01	1.4120e+01	2e-02	5e-03	2e-15	4e-04
5:	1.4128e+01	1.4128e+01	2e-04	6e-05	5e-15	5e-06
6:	1.4128e+01	1.4128e+01	2e-06	6e-07	6e-15	5e-08
7:	1.4128e+01	1.4128e+01	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2556e+01	1.2557e+01	5e+00	1e+00	7e-16	1e-01
2:	1.5843e+01	1.5843e+01	3e-01	8e-02	3e-15	6e-03
3:	1.5998e+01	1.5998e+01	3e-03	9e-04	2e-15	7e-05
4:	1.6000e+01	1.6000e+01	3e-05	9e-06	2e-15	7e-07
5:	1.6000e+01	1.6000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2872e+01	1.2872e+01	4e+00	1e+00	6e-16	1e-01
2:	1.5765e+01	1.5765e+01	3e-01	1e-01	3e-15	8e-03
3:	1.5996e+01	1.5996e+01	6e-03	2e-03	6e-15	1e-04
4:	1.6000e+01	1.6000e+01	6e-05	2e-05	4e-15	1e-06
5:	1.6000e+01	1.6000e+01	6e-07	2e-07	5e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.0735e+01	1.0739e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5464e+01	1.5465e+01	9e-01	3e-01	2e-15	2e-02
3:	1.5955e+01	1.5955e+01	1e-01	3e-02	4e-15	3e-03
4:	1.5999e+01	1.5999e+01	1e-03	4e-04	3e-15	3e-05
5:	1.6000e+01	1.6000e+01	1e-05	4e-06	3e-15	3e-07
6:	1.6000e+01	1.6000e+01	1e-07	4e-08	3e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1437e+01	1.1440e+01	6e+00	2e+00	7e-16	1e-01
2:	1.5631e+01	1.5632e+01	8e-01	2e-01	2e-15	2e-02
3:	1.5985e+01	1.5985e+01	3e-02	8e-03	2e-15	6e-04

4:	1.6000e+01	1.6000e+01	3e-04	8e-05	1e-15	6e-06
5:	1.6000e+01	1.6000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.6000e+01	1.6000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1617e+01	1.1621e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4775e+01	1.4776e+01	2e+00	5e-01	3e-15	4e-02
3:	1.5681e+01	1.5682e+01	3e-01	1e-01	2e-15	8e-03
4:	1.5821e+01	1.5821e+01	7e-02	2e-02	1e-14	2e-03
5:	1.5859e+01	1.5859e+01	1e-02	3e-03	2e-15	3e-04
6:	1.5864e+01	1.5864e+01	1e-04	3e-05	2e-15	3e-06
7:	1.5864e+01	1.5864e+01	1e-06	3e-07	2e-15	3e-08
8:	1.5864e+01	1.5864e+01	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0072e+01	1.0077e+01	8e+00	3e+00	2e-15	2e-01
2:	1.4360e+01	1.4362e+01	2e+00	6e-01	3e-15	5e-02
3:	1.5264e+01	1.5264e+01	4e-01	1e-01	3e-15	1e-02
4:	1.5422e+01	1.5422e+01	1e-01	3e-02	3e-15	2e-03
5:	1.5481e+01	1.5481e+01	2e-02	5e-03	3e-15	4e-04
6:	1.5488e+01	1.5488e+01	2e-04	5e-05	3e-15	4e-06
7:	1.5488e+01	1.5488e+01	2e-06	5e-07	3e-15	4e-08
8:	1.5488e+01	1.5488e+01	2e-08	5e-09	2e-14	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2235e+01	1.2238e+01	5e+00	2e+00	5e-16	1e-01
2:	1.5696e+01	1.5697e+01	6e-01	2e-01	4e-15	1e-02
3:	1.5989e+01	1.5989e+01	2e-02	5e-03	3e-15	4e-04
4:	1.6000e+01	1.6000e+01	2e-04	5e-05	1e-15	4e-06
5:	1.6000e+01	1.6000e+01	2e-06	5e-07	1e-15	4e-08
6:	1.6000e+01	1.6000e+01	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0144e+01	1.0152e+01	7e+00	2e+00	3e-16	1e-01
2:	1.3343e+01	1.3347e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4157e+01	1.4158e+01	5e-01	2e-01	2e-15	1e-02
4:	1.4457e+01	1.4458e+01	8e-02	3e-02	2e-15	2e-03
5:	1.4497e+01	1.4497e+01	1e-03	3e-04	6e-16	3e-05
6:	1.4497e+01	1.4497e+01	1e-05	3e-06	6e-16	3e-07
7:	1.4497e+01	1.4497e+01	1e-07	3e-08	9e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8093e+00	8.8181e+00	8e+00	2e+00	1e-15	2e-01

2:	1.3056e+01	1.3059e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4270e+01	1.4270e+01	1e-01	4e-02	1e-15	3e-03
4:	1.4333e+01	1.4333e+01	2e-03	5e-04	2e-15	4e-05
5:	1.4334e+01	1.4334e+01	2e-05	5e-06	2e-15	4e-07
6:	1.4334e+01	1.4334e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0572e+01	1.0578e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4404e+01	1.4407e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5102e+01	1.5103e+01	4e-01	1e-01	1e-15	9e-03
4:	1.5350e+01	1.5350e+01	6e-03	2e-03	1e-15	1e-04
5:	1.5354e+01	1.5354e+01	6e-05	2e-05	6e-16	1e-06
6:	1.5354e+01	1.5354e+01	6e-07	2e-07	6e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2065e+01	1.2067e+01	5e+00	2e+00	8e-16	1e-01
2:	1.5745e+01	1.5745e+01	5e-01	1e-01	2e-15	1e-02
3:	1.5997e+01	1.5997e+01	5e-03	2e-03	3e-15	1e-04
4:	1.6000e+01	1.6000e+01	5e-05	2e-05	2e-15	1e-06
5:	1.6000e+01	1.6000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2503e+01	1.2505e+01	5e+00	2e+00	4e-16	1e-01
2:	1.5716e+01	1.5716e+01	5e-01	2e-01	2e-15	1e-02
3:	1.5996e+01	1.5996e+01	6e-03	2e-03	2e-15	2e-04
4:	1.6000e+01	1.6000e+01	6e-05	2e-05	2e-15	2e-06
5:	1.6000e+01	1.6000e+01	6e-07	2e-07	2e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0869e+01	1.0875e+01	6e+00	2e+00	6e-16	1e-01
2:	1.3693e+01	1.3696e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4617e+01	1.4618e+01	6e-01	2e-01	2e-15	1e-02
4:	1.5010e+01	1.5010e+01	5e-02	2e-02	1e-15	1e-03
5:	1.5032e+01	1.5032e+01	5e-04	2e-04	7e-16	1e-05
6:	1.5033e+01	1.5033e+01	5e-06	2e-06	8e-16	1e-07
7:	1.5033e+01	1.5033e+01	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1120e+01	1.1124e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5127e+01	1.5128e+01	1e+00	3e-01	3e-15	3e-02
3:	1.5646e+01	1.5646e+01	1e-01	5e-02	1e-15	4e-03
4:	1.5736e+01	1.5736e+01	2e-03	6e-04	2e-15	4e-05
5:	1.5737e+01	1.5737e+01	2e-05	6e-06	1e-15	4e-07



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6: 1.5737e+01 1.5737e+01 2e-07 6e-08 9e-16 4e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 5e+01 2e+01 1e-16 1e+00
1: 9.9304e+00 9.9409e+00 7e+00 2e+00 4e-16 2e-01
2: 1.3474e+01 1.3479e+01 2e+00 6e-01 2e-15 5e-02
3: 1.4653e+01 1.4654e+01 2e-01 7e-02 9e-16 5e-03
4: 1.4776e+01 1.4776e+01 2e-02 5e-03 1e-15 4e-04
5: 1.4784e+01 1.4784e+01 2e-04 5e-05 7e-16 4e-06
6: 1.4784e+01 1.4784e+01 2e-06 5e-07 6e-16 4e-08
7: 1.4784e+01 1.4784e+01 2e-08 5e-09 6e-16 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.1843e+01 1.1847e+01 6e+00 2e+00 4e-16 1e-01
2: 1.5555e+01 1.5556e+01 8e-01 3e-01 2e-15 2e-02
3: 1.5987e+01 1.5987e+01 2e-02 7e-03 2e-15 5e-04
4: 1.6000e+01 1.6000e+01 2e-04 7e-05 1e-15 5e-06
5: 1.6000e+01 1.6000e+01 2e-06 7e-07 1e-15 5e-08
6: 1.6000e+01 1.6000e+01 2e-08 7e-09 1e-15 5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2177e+01 1.2179e+01 5e+00 2e+00 4e-16 1e-01
2: 1.5501e+01 1.5502e+01 7e-01 2e-01 2e-15 2e-02
3: 1.5967e+01 1.5967e+01 6e-02 2e-02 7e-15 1e-03
4: 1.6000e+01 1.6000e+01 6e-04 2e-04 3e-15 1e-05
5: 1.6000e+01 1.6000e+01 6e-06 2e-06 2e-15 1e-07
6: 1.6000e+01 1.6000e+01 6e-08 2e-08 3e-15 1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2915e+01 1.2918e+01 5e+00 2e+00 6e-16 1e-01
2: 1.6598e+01 1.6599e+01 7e-01 2e-01 3e-15 2e-02
3: 1.6989e+01 1.6989e+01 2e-02 5e-03 3e-15 4e-04
4: 1.7000e+01 1.7000e+01 2e-04 5e-05 1e-15 4e-06
5: 1.7000e+01 1.7000e+01 2e-06 5e-07 2e-15 4e-08
6: 1.7000e+01 1.7000e+01 2e-08 5e-09 2e-15 4e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0: 0.0000e+00 -0.0000e+00 4e+01 1e+01 1e-16 1e+00
1: 1.2726e+01 1.2728e+01 6e+00 2e+00 6e-16 1e-01
2: 1.6661e+01 1.6662e+01 6e-01 2e-01 2e-15 1e-02
3: 1.6996e+01 1.6996e+01 7e-03 2e-03 2e-15 2e-04
4: 1.7000e+01 1.7000e+01 7e-05 2e-05 2e-15 2e-06
5: 1.7000e+01 1.7000e+01 7e-07 2e-07 1e-15 2e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t

```

0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3205e+01	1.3207e+01	5e+00	2e+00	5e-16	1e-01
2:	1.6229e+01	1.6229e+01	1e+00	3e-01	3e-15	2e-02
3:	1.6750e+01	1.6751e+01	2e-01	7e-02	8e-15	5e-03
4:	1.6886e+01	1.6886e+01	1e-02	3e-03	4e-15	2e-04
5:	1.6892e+01	1.6892e+01	1e-04	3e-05	2e-15	2e-06
6:	1.6892e+01	1.6892e+01	1e-06	3e-07	2e-15	2e-08
7:	1.6892e+01	1.6892e+01	1e-08	3e-09	1e-13	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.2323e+00	9.2507e+00	8e+00	3e+00	3e-16	2e-01
2:	1.3026e+01	1.3034e+01	3e+00	8e-01	3e-15	6e-02
3:	1.4771e+01	1.4772e+01	3e-01	8e-02	2e-15	6e-03
4:	1.4835e+01	1.4836e+01	2e-01	5e-02	1e-14	4e-03
5:	1.4923e+01	1.4923e+01	8e-03	2e-03	8e-16	2e-04
6:	1.4927e+01	1.4927e+01	8e-05	3e-05	3e-15	2e-06
7:	1.4927e+01	1.4927e+01	8e-07	3e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0937e+01	1.0945e+01	6e+00	2e+00	8e-16	1e-01
2:	1.4231e+01	1.4234e+01	2e+00	6e-01	2e-15	5e-02
3:	1.5465e+01	1.5465e+01	2e-01	5e-02	1e-15	4e-03
4:	1.5536e+01	1.5536e+01	2e-03	5e-04	1e-15	4e-05
5:	1.5536e+01	1.5536e+01	2e-05	5e-06	1e-15	4e-07
6:	1.5536e+01	1.5536e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2433e+01	1.2437e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6426e+01	1.6427e+01	8e-01	2e-01	3e-15	2e-02
3:	1.6952e+01	1.6952e+01	5e-02	2e-02	1e-15	1e-03
4:	1.6975e+01	1.6975e+01	2e-02	5e-03	8e-14	4e-04
5:	1.6985e+01	1.6985e+01	4e-04	1e-04	3e-15	1e-05
6:	1.6985e+01	1.6985e+01	4e-06	1e-06	1e-14	1e-07
7:	1.6985e+01	1.6985e+01	4e-08	1e-08	1e-14	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1070e+01	1.1079e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4819e+01	1.4823e+01	2e+00	7e-01	3e-15	5e-02
3:	1.6021e+01	1.6021e+01	2e-01	6e-02	2e-15	5e-03
4:	1.6140e+01	1.6140e+01	2e-02	7e-03	1e-15	5e-04
5:	1.6151e+01	1.6151e+01	2e-04	7e-05	1e-15	5e-06
6:	1.6151e+01	1.6151e+01	2e-06	7e-07	7e-16	5e-08
7:	1.6151e+01	1.6151e+01	2e-08	7e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1920e+01	1.1925e+01	6e+00	2e+00	3e-16	1e-01
2:	1.4175e+01	1.4178e+01	3e+00	8e-01	2e-15	6e-02
3:	1.5377e+01	1.5377e+01	6e-01	2e-01	1e-15	1e-02
4:	1.5753e+01	1.5753e+01	7e-02	2e-02	1e-15	2e-03
5:	1.5801e+01	1.5801e+01	8e-04	3e-04	1e-15	2e-05
6:	1.5802e+01	1.5802e+01	8e-06	3e-06	1e-15	2e-07
7:	1.5802e+01	1.5802e+01	8e-08	3e-08	9e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3572e+01	1.3573e+01	4e+00	1e+00	4e-16	1e-01
2:	1.6820e+01	1.6820e+01	3e-01	9e-02	4e-15	7e-03
3:	1.6998e+01	1.6998e+01	3e-03	9e-04	3e-15	7e-05
4:	1.7000e+01	1.7000e+01	3e-05	9e-06	2e-15	7e-07
5:	1.7000e+01	1.7000e+01	3e-07	9e-08	3e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2515e+01	1.2519e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6506e+01	1.6507e+01	9e-01	3e-01	2e-15	2e-02
3:	1.6965e+01	1.6966e+01	6e-02	2e-02	4e-15	1e-03
4:	1.7000e+01	1.7000e+01	6e-04	2e-04	1e-15	1e-05
5:	1.7000e+01	1.7000e+01	6e-06	2e-06	6e-16	1e-07
6:	1.7000e+01	1.7000e+01	6e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3410e+01	1.3411e+01	5e+00	1e+00	6e-16	1e-01
2:	1.6745e+01	1.6745e+01	4e-01	1e-01	2e-15	1e-02
3:	1.6997e+01	1.6997e+01	5e-03	2e-03	3e-15	1e-04
4:	1.7000e+01	1.7000e+01	5e-05	2e-05	3e-15	1e-06
5:	1.7000e+01	1.7000e+01	5e-07	2e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3241e+01	1.3242e+01	5e+00	2e+00	7e-16	1e-01
2:	1.6773e+01	1.6773e+01	3e-01	1e-01	4e-15	8e-03
3:	1.6998e+01	1.6998e+01	4e-03	1e-03	2e-15	9e-05
4:	1.7000e+01	1.7000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.7000e+01	1.7000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3189e+01	1.3190e+01	5e+00	2e+00	1e-15	1e-01
2:	1.6732e+01	1.6732e+01	5e-01	2e-01	2e-15	1e-02
3:	1.6985e+01	1.6985e+01	3e-02	8e-03	4e-15	6e-04

4:	1.7000e+01	1.7000e+01	3e-04	8e-05	9e-16	6e-06
5:	1.7000e+01	1.7000e+01	3e-06	8e-07	1e-15	6e-08
6:	1.7000e+01	1.7000e+01	3e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3441e+01	1.3442e+01	5e+00	1e+00	6e-16	1e-01
2:	1.6778e+01	1.6778e+01	3e-01	1e-01	3e-15	9e-03
3:	1.6997e+01	1.6997e+01	4e-03	1e-03	4e-15	1e-04
4:	1.7000e+01	1.7000e+01	4e-05	1e-05	3e-15	1e-06
5:	1.7000e+01	1.7000e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0888e+01	1.0894e+01	7e+00	2e+00	6e-16	2e-01
2:	1.4541e+01	1.4544e+01	2e+00	8e-01	1e-15	5e-02
3:	1.5643e+01	1.5644e+01	6e-01	2e-01	1e-15	1e-02
4:	1.6020e+01	1.6020e+01	9e-03	3e-03	9e-16	2e-04
5:	1.6026e+01	1.6026e+01	9e-05	3e-05	1e-15	2e-06
6:	1.6026e+01	1.6026e+01	9e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.3617e+00	9.3731e+00	7e+00	2e+00	4e-16	2e-01
2:	1.3236e+01	1.3240e+01	2e+00	5e-01	2e-15	4e-02
3:	1.3892e+01	1.3894e+01	7e-01	2e-01	1e-15	2e-02
4:	1.4147e+01	1.4148e+01	2e-01	5e-02	7e-16	4e-03
5:	1.4229e+01	1.4229e+01	3e-03	8e-04	6e-16	6e-05
6:	1.4230e+01	1.4230e+01	3e-05	8e-06	8e-16	6e-07
7:	1.4230e+01	1.4230e+01	3e-07	8e-08	5e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1939e+01	1.1943e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4929e+01	1.4930e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5878e+01	1.5878e+01	2e-01	7e-02	1e-15	5e-03
4:	1.6019e+01	1.6019e+01	1e-02	4e-03	1e-15	3e-04
5:	1.6025e+01	1.6025e+01	1e-04	4e-05	7e-16	3e-06
6:	1.6025e+01	1.6025e+01	1e-06	4e-07	8e-16	3e-08
7:	1.6025e+01	1.6025e+01	1e-08	4e-09	8e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3770e+01	1.3770e+01	4e+00	1e+00	3e-16	1e-01
2:	1.6728e+01	1.6728e+01	4e-01	1e-01	3e-15	9e-03
3:	1.6995e+01	1.6995e+01	7e-03	2e-03	5e-15	2e-04
4:	1.7000e+01	1.7000e+01	7e-05	2e-05	3e-15	2e-06
5:	1.7000e+01	1.7000e+01	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3409e+01	1.3410e+01	5e+00	1e+00	4e-16	1e-01
2:	1.6798e+01	1.6798e+01	3e-01	1e-01	3e-15	8e-03
3:	1.6998e+01	1.6998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.7000e+01	1.7000e+01	3e-05	1e-05	3e-15	8e-07
5:	1.7000e+01	1.7000e+01	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9798e+00	8.9892e+00	8e+00	3e+00	7e-16	2e-01
2:	1.2942e+01	1.2946e+01	2e+00	7e-01	1e-15	5e-02
3:	1.3870e+01	1.3871e+01	7e-01	2e-01	1e-15	2e-02
4:	1.4177e+01	1.4177e+01	2e-01	5e-02	7e-16	4e-03
5:	1.4258e+01	1.4258e+01	3e-03	8e-04	8e-16	6e-05
6:	1.4260e+01	1.4260e+01	3e-05	8e-06	7e-16	6e-07
7:	1.4260e+01	1.4260e+01	3e-07	8e-08	7e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2846e+01	1.2848e+01	5e+00	2e+00	3e-16	1e-01
2:	1.6687e+01	1.6688e+01	6e-01	2e-01	3e-15	1e-02
3:	1.6992e+01	1.6992e+01	1e-02	4e-03	2e-15	3e-04
4:	1.7000e+01	1.7000e+01	1e-04	4e-05	1e-15	3e-06
5:	1.7000e+01	1.7000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3009e+01	1.3011e+01	5e+00	2e+00	4e-16	1e-01
2:	1.6576e+01	1.6577e+01	7e-01	2e-01	2e-15	2e-02
3:	1.6966e+01	1.6966e+01	6e-02	2e-02	3e-15	1e-03
4:	1.7000e+01	1.7000e+01	7e-04	2e-04	3e-15	2e-05
5:	1.7000e+01	1.7000e+01	7e-06	2e-06	2e-15	2e-07
6:	1.7000e+01	1.7000e+01	7e-08	2e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3982e+01	1.3982e+01	4e+00	1e+00	4e-16	9e-02
2:	1.6963e+01	1.6963e+01	5e-02	2e-02	3e-15	1e-03
3:	1.7000e+01	1.7000e+01	5e-04	2e-04	3e-15	1e-05
4:	1.7000e+01	1.7000e+01	5e-06	2e-06	2e-15	1e-07
5:	1.7000e+01	1.7000e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2666e+01	1.2669e+01	5e+00	2e+00	3e-16	1e-01
2:	1.6675e+01	1.6675e+01	7e-01	2e-01	4e-15	2e-02

3:	1.6989e+01	1.6989e+01	2e-02	6e-03	2e-15	5e-04
4:	1.7000e+01	1.7000e+01	2e-04	6e-05	1e-15	5e-06
5:	1.7000e+01	1.7000e+01	2e-06	6e-07	1e-15	5e-08
6:	1.7000e+01	1.7000e+01	2e-08	6e-09	8e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.1997e+01	1.2001e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6444e+01	1.6445e+01	1e+00	3e-01	3e-15	2e-02
3:	1.6975e+01	1.6975e+01	4e-02	1e-02	2e-15	9e-04
4:	1.7000e+01	1.7000e+01	4e-04	1e-04	7e-16	9e-06
5:	1.7000e+01	1.7000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.7000e+01	1.7000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.3098e+00	9.3184e+00	7e+00	2e+00	6e-16	2e-01
2:	1.3759e+01	1.3761e+01	1e+00	3e-01	2e-15	2e-02
3:	1.4344e+01	1.4345e+01	2e-01	5e-02	1e-15	4e-03
4:	1.4440e+01	1.4440e+01	2e-03	7e-04	1e-15	5e-05
5:	1.4441e+01	1.4441e+01	2e-05	7e-06	8e-16	5e-07
6:	1.4441e+01	1.4441e+01	2e-07	7e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0469e+00	9.0629e+00	8e+00	2e+00	5e-16	2e-01
2:	1.4109e+01	1.4113e+01	1e+00	3e-01	5e-15	2e-02
3:	1.4633e+01	1.4634e+01	1e-01	4e-02	9e-16	3e-03
4:	1.4697e+01	1.4697e+01	2e-02	6e-03	9e-16	5e-04
5:	1.4708e+01	1.4708e+01	5e-04	2e-04	1e-15	1e-05
6:	1.4708e+01	1.4708e+01	5e-06	2e-06	8e-16	1e-07
7:	1.4708e+01	1.4708e+01	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2269e+01	1.2274e+01	6e+00	2e+00	6e-16	1e-01
2:	1.5147e+01	1.5148e+01	1e+00	4e-01	4e-15	3e-02
3:	1.6036e+01	1.6037e+01	2e-01	5e-02	3e-15	4e-03
4:	1.6158e+01	1.6158e+01	3e-03	9e-04	2e-15	7e-05
5:	1.6160e+01	1.6160e+01	3e-05	9e-06	6e-16	7e-07
6:	1.6160e+01	1.6160e+01	3e-07	9e-08	8e-16	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1536e+01	1.1544e+01	6e+00	2e+00	7e-16	1e-01
2:	1.5432e+01	1.5435e+01	2e+00	6e-01	3e-15	4e-02
3:	1.6182e+01	1.6183e+01	5e-01	2e-01	3e-15	1e-02
4:	1.6464e+01	1.6464e+01	1e-01	3e-02	1e-15	3e-03

5:	1.6511e+01	1.6511e+01	1e-03	4e-04	1e-15	3e-05
6:	1.6512e+01	1.6512e+01	1e-05	4e-06	1e-15	3e-07
7:	1.6512e+01	1.6512e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1575e+01	1.1582e+01	6e+00	2e+00	6e-16	1e-01
2:	1.5115e+01	1.5118e+01	2e+00	6e-01	4e-15	5e-02
3:	1.6345e+01	1.6346e+01	2e-01	5e-02	1e-15	4e-03
4:	1.6447e+01	1.6447e+01	2e-03	6e-04	1e-15	4e-05
5:	1.6448e+01	1.6448e+01	2e-05	6e-06	9e-16	4e-07
6:	1.6448e+01	1.6448e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3295e+01	1.3297e+01	5e+00	1e+00	5e-16	1e-01
2:	1.6023e+01	1.6023e+01	1e+00	4e-01	3e-15	3e-02
3:	1.6870e+01	1.6870e+01	2e-01	5e-02	2e-15	4e-03
4:	1.6991e+01	1.6991e+01	1e-02	5e-03	8e-15	3e-04
5:	1.6999e+01	1.6999e+01	1e-03	4e-04	3e-13	3e-05
6:	1.7000e+01	1.7000e+01	1e-05	5e-06	2e-14	4e-07
7:	1.7000e+01	1.7000e+01	1e-07	5e-08	2e-14	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2145e+01	1.2149e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6659e+01	1.6660e+01	7e-01	2e-01	4e-15	2e-02
3:	1.6986e+01	1.6986e+01	2e-02	7e-03	2e-15	5e-04
4:	1.7000e+01	1.7000e+01	2e-04	7e-05	1e-15	5e-06
5:	1.7000e+01	1.7000e+01	2e-06	7e-07	9e-16	5e-08
6:	1.7000e+01	1.7000e+01	2e-08	7e-09	7e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2732e+01	1.2735e+01	5e+00	2e+00	5e-16	1e-01
2:	1.6621e+01	1.6622e+01	7e-01	2e-01	2e-15	2e-02
3:	1.6979e+01	1.6979e+01	4e-02	1e-02	2e-15	9e-04
4:	1.7000e+01	1.7000e+01	4e-04	1e-04	9e-16	9e-06
5:	1.7000e+01	1.7000e+01	4e-06	1e-06	9e-16	9e-08
6:	1.7000e+01	1.7000e+01	4e-08	1e-08	1e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1571e+01	1.1577e+01	6e+00	2e+00	7e-16	1e-01
2:	1.4668e+01	1.4671e+01	2e+00	7e-01	2e-15	5e-02
3:	1.5829e+01	1.5830e+01	3e-01	9e-02	1e-15	6e-03
4:	1.6008e+01	1.6008e+01	5e-03	2e-03	9e-16	1e-04
5:	1.6011e+01	1.6011e+01	5e-05	2e-05	8e-16	1e-06

6: 1.6011e+01 1.6011e+01 5e-07 2e-07 7e-16 1e-08  
 Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1221e+01	1.1227e+01	6e+00	2e+00	4e-16	1e-01
2:	1.5032e+01	1.5034e+01	8e-01	3e-01	4e-15	2e-02
3:	1.5624e+01	1.5624e+01	6e-02	2e-02	2e-15	1e-03
4:	1.5661e+01	1.5661e+01	6e-04	2e-04	8e-16	1e-05
5:	1.5662e+01	1.5662e+01	6e-06	2e-06	9e-16	1e-07
6:	1.5662e+01	1.5662e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1491e+01	1.1497e+01	6e+00	2e+00	8e-16	1e-01
2:	1.5380e+01	1.5383e+01	2e+00	6e-01	3e-15	4e-02
3:	1.6170e+01	1.6171e+01	5e-01	2e-01	2e-15	1e-02
4:	1.6530e+01	1.6530e+01	1e-02	4e-03	1e-15	3e-04
5:	1.6536e+01	1.6536e+01	1e-04	4e-05	9e-16	3e-06
6:	1.6536e+01	1.6536e+01	1e-06	4e-07	1e-15	3e-08
7:	1.6536e+01	1.6536e+01	1e-08	4e-09	9e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0040e+01	1.0049e+01	7e+00	2e+00	6e-16	2e-01
2:	1.3581e+01	1.3585e+01	2e+00	7e-01	2e-15	5e-02
3:	1.5090e+01	1.5091e+01	1e-01	4e-02	2e-15	3e-03
4:	1.5155e+01	1.5155e+01	2e-03	7e-04	1e-15	5e-05
5:	1.5157e+01	1.5157e+01	2e-05	7e-06	1e-15	5e-07
6:	1.5157e+01	1.5157e+01	2e-07	7e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3439e+01	1.3440e+01	5e+00	1e+00	7e-16	1e-01
2:	1.6886e+01	1.6886e+01	2e-01	5e-02	3e-15	4e-03
3:	1.6999e+01	1.6999e+01	2e-03	5e-04	2e-15	4e-05
4:	1.7000e+01	1.7000e+01	2e-05	5e-06	2e-15	4e-07
5:	1.7000e+01	1.7000e+01	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0196e+01	1.0207e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4730e+01	1.4733e+01	1e+00	4e-01	4e-15	3e-02
3:	1.5494e+01	1.5494e+01	5e-02	1e-02	1e-15	1e-03
4:	1.5519e+01	1.5519e+01	5e-04	1e-04	1e-15	1e-05
5:	1.5519e+01	1.5519e+01	5e-06	1e-06	1e-15	1e-07
6:	1.5519e+01	1.5519e+01	5e-08	1e-08	9e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0191e+01	1.0201e+01	8e+00	2e+00	7e-16	2e-01
2:	1.4861e+01	1.4865e+01	2e+00	6e-01	2e-15	5e-02
3:	1.5676e+01	1.5678e+01	6e-01	2e-01	1e-15	1e-02
4:	1.6059e+01	1.6059e+01	2e-02	5e-03	1e-15	4e-04
5:	1.6067e+01	1.6067e+01	2e-04	5e-05	6e-16	4e-06
6:	1.6067e+01	1.6067e+01	2e-06	5e-07	1e-15	4e-08
7:	1.6067e+01	1.6067e+01	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2121e+01	1.2124e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6432e+01	1.6433e+01	9e-01	3e-01	2e-15	2e-02
3:	1.6889e+01	1.6890e+01	1e-01	5e-02	1e-15	4e-03
4:	1.6956e+01	1.6956e+01	2e-02	8e-03	7e-15	6e-04
5:	1.6970e+01	1.6970e+01	2e-04	8e-05	1e-15	6e-06
6:	1.6970e+01	1.6970e+01	2e-06	8e-07	8e-16	6e-08
7:	1.6970e+01	1.6970e+01	2e-08	8e-09	1e-15	6e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.0977e+01	1.0983e+01	7e+00	2e+00	7e-16	1e-01
2:	1.5012e+01	1.5015e+01	2e+00	6e-01	2e-15	4e-02
3:	1.5945e+01	1.5946e+01	3e-01	9e-02	1e-15	7e-03
4:	1.6140e+01	1.6140e+01	4e-03	1e-03	8e-16	8e-05
5:	1.6142e+01	1.6142e+01	4e-05	1e-05	1e-15	8e-07
6:	1.6142e+01	1.6142e+01	4e-07	1e-07	1e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3004e+01	1.3006e+01	5e+00	2e+00	7e-16	1e-01
2:	1.6598e+01	1.6598e+01	7e-01	2e-01	2e-15	2e-02
3:	1.6992e+01	1.6992e+01	1e-02	4e-03	2e-15	3e-04
4:	1.7000e+01	1.7000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.7000e+01	1.7000e+01	1e-06	4e-07	2e-15	3e-08
6:	1.7000e+01	1.7000e+01	1e-08	4e-09	1e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3427e+01	1.3428e+01	5e+00	2e+00	6e-16	1e-01
2:	1.6811e+01	1.6811e+01	3e-01	9e-02	2e-15	7e-03
3:	1.6998e+01	1.6998e+01	3e-03	9e-04	1e-15	7e-05
4:	1.7000e+01	1.7000e+01	3e-05	9e-06	1e-15	7e-07
5:	1.7000e+01	1.7000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3174e+01	1.3176e+01	5e+00	2e+00	1e-15	1e-01

2:	1.6528e+01	1.6529e+01	7e-01	2e-01	4e-15	2e-02
3:	1.6992e+01	1.6992e+01	1e-02	4e-03	3e-15	3e-04
4:	1.7000e+01	1.7000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.7000e+01	1.7000e+01	1e-06	4e-07	2e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1242e+01	1.1251e+01	6e+00	2e+00	5e-16	1e-01
2:	1.4688e+01	1.4692e+01	2e+00	6e-01	3e-15	5e-02
3:	1.5948e+01	1.5948e+01	2e-01	6e-02	1e-15	4e-03
4:	1.6036e+01	1.6036e+01	2e-03	7e-04	1e-15	5e-05
5:	1.6037e+01	1.6037e+01	2e-05	7e-06	9e-16	5e-07
6:	1.6037e+01	1.6037e+01	2e-07	7e-08	8e-16	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3549e+01	1.3550e+01	5e+00	1e+00	8e-16	1e-01
2:	1.6784e+01	1.6784e+01	3e-01	1e-01	3e-15	8e-03
3:	1.6998e+01	1.6998e+01	3e-03	1e-03	3e-15	9e-05
4:	1.7000e+01	1.7000e+01	3e-05	1e-05	2e-15	9e-07
5:	1.7000e+01	1.7000e+01	3e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2570e+01	1.2573e+01	6e+00	2e+00	6e-16	1e-01
2:	1.6729e+01	1.6730e+01	6e-01	2e-01	3e-15	1e-02
3:	1.6983e+01	1.6983e+01	3e-02	1e-02	3e-15	8e-04
4:	1.7000e+01	1.7000e+01	3e-04	1e-04	9e-16	8e-06
5:	1.7000e+01	1.7000e+01	3e-06	1e-06	1e-15	8e-08
6:	1.7000e+01	1.7000e+01	3e-08	1e-08	8e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3634e+01	1.3635e+01	4e+00	1e+00	1e-15	1e-01
2:	1.6491e+01	1.6491e+01	5e-01	2e-01	4e-15	1e-02
3:	1.6857e+01	1.6857e+01	1e-01	5e-02	8e-15	4e-03
4:	1.6916e+01	1.6916e+01	3e-02	1e-02	4e-14	8e-04
5:	1.6934e+01	1.6934e+01	8e-03	3e-03	9e-15	2e-04
6:	1.6939e+01	1.6939e+01	9e-05	3e-05	5e-15	2e-06
7:	1.6939e+01	1.6939e+01	9e-07	3e-07	7e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2228e+01	1.2233e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6540e+01	1.6541e+01	8e-01	2e-01	4e-15	2e-02
3:	1.6975e+01	1.6975e+01	5e-02	2e-02	2e-15	1e-03
4:	1.7000e+01	1.7000e+01	7e-04	2e-04	8e-15	2e-05
5:	1.7000e+01	1.7000e+01	7e-06	2e-06	6e-15	2e-07

6: 1.7000e+01 1.7000e+01 7e-08 2e-08 8e-15 2e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4448e+01	1.4449e+01	4e+00	1e+00	7e-16	1e-01
2:	1.7819e+01	1.7820e+01	3e-01	8e-02	3e-15	6e-03
3:	1.7998e+01	1.7998e+01	3e-03	1e-03	4e-15	8e-05
4:	1.8000e+01	1.8000e+01	3e-05	1e-05	3e-15	8e-07
5:	1.8000e+01	1.8000e+01	3e-07	1e-07	3e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3091e+01	1.3094e+01	6e+00	2e+00	5e-16	1e-01
2:	1.7644e+01	1.7645e+01	6e-01	2e-01	2e-15	1e-02
3:	1.7992e+01	1.7992e+01	1e-02	4e-03	2e-15	3e-04
4:	1.8000e+01	1.8000e+01	1e-04	4e-05	2e-15	3e-06
5:	1.8000e+01	1.8000e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3504e+01	1.3507e+01	5e+00	2e+00	4e-16	1e-01
2:	1.6040e+01	1.6041e+01	2e+00	5e-01	4e-15	4e-02
3:	1.6742e+01	1.6742e+01	5e-01	2e-01	4e-15	1e-02
4:	1.7115e+01	1.7115e+01	5e-02	2e-02	3e-15	1e-03
5:	1.7139e+01	1.7139e+01	5e-04	2e-04	6e-16	1e-05
6:	1.7140e+01	1.7140e+01	5e-06	2e-06	6e-16	1e-07
7:	1.7140e+01	1.7140e+01	5e-08	2e-08	6e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3742e+01	1.3744e+01	5e+00	2e+00	7e-16	1e-01
2:	1.7693e+01	1.7694e+01	5e-01	2e-01	2e-15	1e-02
3:	1.7990e+01	1.7990e+01	1e-02	5e-03	2e-15	4e-04
4:	1.8000e+01	1.8000e+01	1e-04	5e-05	2e-15	4e-06
5:	1.8000e+01	1.8000e+01	1e-06	5e-07	1e-15	4e-08
6:	1.8000e+01	1.8000e+01	1e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4798e+01	1.4798e+01	4e+00	1e+00	9e-16	9e-02
2:	1.7935e+01	1.7935e+01	8e-02	3e-02	4e-15	2e-03
3:	1.7999e+01	1.7999e+01	8e-04	3e-04	3e-15	2e-05
4:	1.8000e+01	1.8000e+01	8e-06	3e-06	3e-15	2e-07
5:	1.8000e+01	1.8000e+01	8e-08	3e-08	3e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1578e+01	1.1585e+01	7e+00	2e+00	4e-16	1e-01

2:	1.6560e+01	1.6561e+01	7e-01	2e-01	2e-15	2e-02
3:	1.6899e+01	1.6899e+01	7e-03	2e-03	7e-16	2e-04
4:	1.6903e+01	1.6903e+01	7e-05	2e-05	8e-16	2e-06
5:	1.6903e+01	1.6903e+01	7e-07	2e-07	6e-16	2e-08
6:	1.6903e+01	1.6903e+01	7e-09	2e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.8080e+00	8.8255e+00	8e+00	2e+00	1e-15	2e-01
2:	1.3014e+01	1.3022e+01	2e+00	7e-01	2e-15	5e-02
3:	1.4347e+01	1.4348e+01	1e-01	4e-02	1e-15	3e-03
4:	1.4401e+01	1.4401e+01	2e-03	5e-04	2e-15	4e-05
5:	1.4402e+01	1.4402e+01	2e-05	5e-06	2e-15	4e-07
6:	1.4402e+01	1.4402e+01	2e-07	5e-08	2e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.9574e+00	8.9753e+00	1e+01	3e+00	2e-15	2e-01
2:	1.2483e+01	1.2491e+01	4e+00	1e+00	3e-15	8e-02
3:	1.4142e+01	1.4147e+01	1e+00	5e-01	3e-15	3e-02
4:	1.4717e+01	1.4719e+01	4e-01	1e-01	2e-15	1e-02
5:	1.4949e+01	1.4949e+01	4e-02	1e-02	4e-15	8e-04
6:	1.4967e+01	1.4967e+01	4e-04	1e-04	4e-15	9e-06
7:	1.4967e+01	1.4967e+01	4e-06	1e-06	3e-15	9e-08
8:	1.4967e+01	1.4967e+01	4e-08	1e-08	8e-15	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4218e+01	1.4219e+01	5e+00	1e+00	5e-16	1e-01
2:	1.7753e+01	1.7753e+01	4e-01	1e-01	2e-15	1e-02
3:	1.7993e+01	1.7993e+01	1e-02	3e-03	3e-15	2e-04
4:	1.8000e+01	1.8000e+01	1e-04	3e-05	1e-15	2e-06
5:	1.8000e+01	1.8000e+01	1e-06	3e-07	1e-15	2e-08
6:	1.8000e+01	1.8000e+01	1e-08	3e-09	1e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3003e+01	1.3007e+01	6e+00	2e+00	6e-16	1e-01
2:	1.7288e+01	1.7289e+01	1e+00	3e-01	3e-15	2e-02
3:	1.7613e+01	1.7614e+01	4e-01	1e-01	4e-15	1e-02
4:	1.7802e+01	1.7802e+01	8e-02	2e-02	5e-15	2e-03
5:	1.7838e+01	1.7838e+01	2e-02	7e-03	2e-15	5e-04
6:	1.7849e+01	1.7849e+01	3e-04	8e-05	2e-15	7e-06
7:	1.7849e+01	1.7849e+01	3e-06	8e-07	1e-15	7e-08
8:	1.7849e+01	1.7849e+01	3e-08	8e-09	3e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.3920e+01	1.3922e+01	5e+00	2e+00	9e-16	1e-01
2:	1.6655e+01	1.6656e+01	1e+00	4e-01	3e-15	3e-02
3:	1.7405e+01	1.7405e+01	3e-01	8e-02	3e-15	6e-03
4:	1.7619e+01	1.7619e+01	4e-03	1e-03	2e-15	9e-05
5:	1.7622e+01	1.7622e+01	4e-05	1e-05	1e-15	9e-07
6:	1.7622e+01	1.7622e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.0371e+00	9.0526e+00	8e+00	2e+00	4e-16	2e-01
2:	1.2841e+01	1.2846e+01	2e+00	6e-01	2e-15	4e-02
3:	1.3904e+01	1.3905e+01	5e-01	2e-01	2e-15	1e-02
4:	1.4226e+01	1.4226e+01	4e-02	1e-02	1e-15	9e-04
5:	1.4250e+01	1.4250e+01	6e-04	2e-04	4e-15	1e-05
6:	1.4251e+01	1.4251e+01	6e-06	2e-06	1e-15	1e-07
7:	1.4251e+01	1.4251e+01	6e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2844e+01	1.2849e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6033e+01	1.6034e+01	1e+00	4e-01	4e-15	3e-02
3:	1.7139e+01	1.7139e+01	9e-02	3e-02	2e-15	2e-03
4:	1.7191e+01	1.7191e+01	9e-04	3e-04	8e-16	2e-05
5:	1.7192e+01	1.7192e+01	9e-06	3e-06	7e-16	2e-07
6:	1.7192e+01	1.7192e+01	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3557e+01	1.3560e+01	5e+00	2e+00	4e-16	1e-01
2:	1.7176e+01	1.7177e+01	1e+00	4e-01	2e-15	3e-02
3:	1.7967e+01	1.7967e+01	6e-02	2e-02	1e-15	1e-03
4:	1.7994e+01	1.7994e+01	1e-02	3e-03	3e-14	3e-04
5:	1.8000e+01	1.8000e+01	1e-04	3e-05	2e-15	3e-06
6:	1.8000e+01	1.8000e+01	1e-06	3e-07	2e-15	3e-08
7:	1.8000e+01	1.8000e+01	1e-08	3e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3414e+01	1.3417e+01	5e+00	2e+00	7e-16	1e-01
2:	1.7052e+01	1.7053e+01	1e+00	4e-01	2e-15	3e-02
3:	1.7950e+01	1.7951e+01	7e-02	2e-02	1e-15	2e-03
4:	1.7989e+01	1.7989e+01	1e-02	5e-03	3e-14	4e-04
5:	1.7993e+01	1.7993e+01	6e-03	2e-03	2e-13	1e-04
6:	1.7996e+01	1.7996e+01	3e-04	1e-04	1e-14	8e-06
7:	1.7996e+01	1.7996e+01	3e-06	1e-06	7e-14	8e-08
8:	1.7996e+01	1.7996e+01	3e-08	1e-08	6e-14	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3727e+01	1.3730e+01	5e+00	2e+00	6e-16	1e-01
2:	1.6495e+01	1.6496e+01	2e+00	5e-01	3e-15	4e-02
3:	1.7410e+01	1.7411e+01	4e-01	1e-01	4e-15	9e-03
4:	1.7645e+01	1.7645e+01	5e-02	2e-02	1e-15	1e-03
5:	1.7669e+01	1.7669e+01	5e-04	2e-04	2e-15	1e-05
6:	1.7670e+01	1.7670e+01	5e-06	2e-06	2e-15	1e-07
7:	1.7670e+01	1.7670e+01	5e-08	2e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4285e+01	1.4286e+01	5e+00	1e+00	1e-15	1e-01
2:	1.7800e+01	1.7800e+01	3e-01	9e-02	4e-15	7e-03
3:	1.7998e+01	1.7998e+01	3e-03	9e-04	2e-15	7e-05
4:	1.8000e+01	1.8000e+01	3e-05	9e-06	2e-15	7e-07
5:	1.8000e+01	1.8000e+01	3e-07	9e-08	2e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1440e+01	1.1450e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4671e+01	1.4675e+01	2e+00	6e-01	4e-15	4e-02
3:	1.5656e+01	1.5656e+01	3e-01	9e-02	2e-15	7e-03
4:	1.5840e+01	1.5840e+01	6e-02	2e-02	1e-15	1e-03
5:	1.5849e+01	1.5849e+01	4e-02	1e-02	2e-15	1e-03
6:	1.5872e+01	1.5872e+01	6e-04	2e-04	7e-16	1e-05
7:	1.5873e+01	1.5873e+01	6e-06	2e-06	5e-16	1e-07
8:	1.5873e+01	1.5873e+01	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2875e+01	1.2880e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6741e+01	1.6743e+01	2e+00	5e-01	2e-15	4e-02
3:	1.7361e+01	1.7362e+01	7e-01	2e-01	2e-15	2e-02
4:	1.7730e+01	1.7730e+01	9e-02	3e-02	2e-15	2e-03
5:	1.7784e+01	1.7784e+01	9e-04	3e-04	7e-16	2e-05
6:	1.7785e+01	1.7785e+01	9e-06	3e-06	9e-16	2e-07
7:	1.7785e+01	1.7785e+01	9e-08	3e-08	7e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4428e+01	1.4429e+01	4e+00	1e+00	1e-15	1e-01
2:	1.7787e+01	1.7787e+01	3e-01	9e-02	3e-15	7e-03
3:	1.7998e+01	1.7998e+01	3e-03	1e-03	3e-15	9e-05
4:	1.8000e+01	1.8000e+01	3e-05	1e-05	2e-15	9e-07
5:	1.8000e+01	1.8000e+01	3e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.2701e+01	1.2706e+01	6e+00	2e+00	5e-16	1e-01
2:	1.7220e+01	1.7221e+01	1e+00	3e-01	2e-15	2e-02
3:	1.7790e+01	1.7791e+01	2e-01	7e-02	2e-15	6e-03
4:	1.7879e+01	1.7880e+01	7e-02	2e-02	9e-15	2e-03
5:	1.7923e+01	1.7923e+01	9e-04	3e-04	9e-16	2e-05
6:	1.7924e+01	1.7924e+01	9e-06	3e-06	1e-15	2e-07
7:	1.7924e+01	1.7924e+01	9e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3493e+01	1.3496e+01	5e+00	2e+00	5e-16	1e-01
2:	1.6826e+01	1.6827e+01	1e+00	4e-01	4e-15	3e-02
3:	1.7398e+01	1.7398e+01	3e-01	1e-01	6e-15	8e-03
4:	1.7609e+01	1.7609e+01	5e-02	2e-02	1e-15	1e-03
5:	1.7633e+01	1.7633e+01	6e-04	2e-04	1e-15	1e-05
6:	1.7634e+01	1.7634e+01	6e-06	2e-06	2e-15	1e-07
7:	1.7634e+01	1.7634e+01	6e-08	2e-08	1e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3652e+01	1.3654e+01	5e+00	2e+00	4e-16	1e-01
2:	1.7707e+01	1.7707e+01	6e-01	2e-01	3e-15	1e-02
3:	1.7967e+01	1.7967e+01	6e-02	2e-02	2e-15	1e-03
4:	1.8000e+01	1.8000e+01	6e-04	2e-04	7e-16	1e-05
5:	1.8000e+01	1.8000e+01	6e-06	2e-06	6e-16	1e-07
6:	1.8000e+01	1.8000e+01	6e-08	2e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.7246e+00	9.7411e+00	8e+00	2e+00	5e-16	2e-01
2:	1.4070e+01	1.4076e+01	2e+00	5e-01	4e-15	3e-02
3:	1.4771e+01	1.4773e+01	6e-01	2e-01	2e-15	1e-02
4:	1.5018e+01	1.5018e+01	1e-01	4e-02	8e-16	3e-03
5:	1.5088e+01	1.5089e+01	1e-02	4e-03	8e-16	3e-04
6:	1.5095e+01	1.5095e+01	1e-04	4e-05	6e-16	3e-06
7:	1.5095e+01	1.5095e+01	1e-06	4e-07	7e-16	3e-08
8:	1.5095e+01	1.5095e+01	1e-08	4e-09	7e-16	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4211e+01	1.4212e+01	5e+00	2e+00	9e-16	1e-01
2:	1.7772e+01	1.7772e+01	3e-01	1e-01	3e-15	8e-03
3:	1.7998e+01	1.7998e+01	3e-03	1e-03	2e-15	8e-05
4:	1.8000e+01	1.8000e+01	3e-05	1e-05	2e-15	8e-07
5:	1.8000e+01	1.8000e+01	3e-07	1e-07	2e-15	8e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00

1:	1.4294e+01	1.4295e+01	4e+00	1e+00	1e-15	1e-01
2:	1.7826e+01	1.7826e+01	2e-01	8e-02	3e-15	6e-03
3:	1.7998e+01	1.7998e+01	3e-03	8e-04	3e-15	6e-05
4:	1.8000e+01	1.8000e+01	3e-05	8e-06	3e-15	6e-07
5:	1.8000e+01	1.8000e+01	3e-07	8e-08	2e-15	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4571e+01	1.4572e+01	4e+00	1e+00	7e-16	1e-01
2:	1.7883e+01	1.7883e+01	1e-01	5e-02	4e-15	4e-03
3:	1.7999e+01	1.7999e+01	2e-03	5e-04	4e-15	4e-05
4:	1.8000e+01	1.8000e+01	2e-05	5e-06	2e-15	4e-07
5:	1.8000e+01	1.8000e+01	2e-07	5e-08	4e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2186e+01	1.2190e+01	7e+00	2e+00	5e-16	2e-01
2:	1.6709e+01	1.6711e+01	2e+00	5e-01	1e-15	4e-02
3:	1.7371e+01	1.7371e+01	4e-01	1e-01	3e-15	9e-03
4:	1.7539e+01	1.7539e+01	1e-01	4e-02	9e-16	3e-03
5:	1.7595e+01	1.7595e+01	2e-03	5e-04	1e-15	4e-05
6:	1.7596e+01	1.7596e+01	2e-05	5e-06	9e-16	4e-07
7:	1.7596e+01	1.7596e+01	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4387e+01	1.4387e+01	4e+00	1e+00	4e-16	1e-01
2:	1.7766e+01	1.7766e+01	3e-01	1e-01	5e-15	8e-03
3:	1.7997e+01	1.7997e+01	4e-03	1e-03	2e-15	9e-05
4:	1.8000e+01	1.8000e+01	4e-05	1e-05	3e-15	9e-07
5:	1.8000e+01	1.8000e+01	4e-07	1e-07	3e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0805e+01	1.0815e+01	7e+00	2e+00	8e-16	2e-01
2:	1.4349e+01	1.4350e+01	1e+00	3e-01	2e-15	2e-02
3:	1.4885e+01	1.4886e+01	4e-01	1e-01	2e-15	9e-03
4:	1.5124e+01	1.5124e+01	3e-02	8e-03	1e-15	6e-04
5:	1.5138e+01	1.5138e+01	3e-04	9e-05	1e-15	7e-06
6:	1.5138e+01	1.5138e+01	3e-06	9e-07	1e-15	7e-08
7:	1.5138e+01	1.5138e+01	3e-08	9e-09	1e-14	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1088e+01	1.1098e+01	7e+00	2e+00	2e-15	1e-01
2:	1.4020e+01	1.4024e+01	2e+00	7e-01	3e-15	5e-02
3:	1.5124e+01	1.5126e+01	8e-01	3e-01	3e-15	2e-02
4:	1.5156e+01	1.5158e+01	7e-01	2e-01	4e-15	2e-02



5:	1.5473e+01	1.5473e+01	1e-01	3e-02	4e-15	3e-03
6:	1.5521e+01	1.5521e+01	2e-03	5e-04	3e-15	4e-05
7:	1.5522e+01	1.5522e+01	2e-05	5e-06	3e-15	4e-07
8:	1.5522e+01	1.5522e+01	2e-07	5e-08	3e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4453e+01	1.4453e+01	4e+00	1e+00	4e-16	1e-01
2:	1.7777e+01	1.7777e+01	3e-01	9e-02	3e-15	7e-03
3:	1.7997e+01	1.7997e+01	4e-03	1e-03	3e-15	1e-04
4:	1.8000e+01	1.8000e+01	4e-05	1e-05	3e-15	1e-06
5:	1.8000e+01	1.8000e+01	4e-07	1e-07	2e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2907e+01	1.2912e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6907e+01	1.6909e+01	1e+00	4e-01	2e-15	3e-02
3:	1.7509e+01	1.7510e+01	5e-01	2e-01	2e-15	1e-02
4:	1.7810e+01	1.7810e+01	2e-02	5e-03	1e-15	4e-04
5:	1.7820e+01	1.7820e+01	2e-04	5e-05	1e-15	4e-06
6:	1.7820e+01	1.7820e+01	2e-06	5e-07	9e-16	4e-08
7:	1.7820e+01	1.7820e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0029e+01	1.0041e+01	7e+00	2e+00	9e-16	2e-01
2:	1.3620e+01	1.3625e+01	2e+00	6e-01	2e-15	4e-02
3:	1.4382e+01	1.4384e+01	5e-01	2e-01	1e-15	1e-02
4:	1.4641e+01	1.4641e+01	7e-02	2e-02	1e-15	2e-03
5:	1.4674e+01	1.4674e+01	8e-04	3e-04	8e-16	2e-05
6:	1.4674e+01	1.4674e+01	8e-06	3e-06	8e-16	2e-07
7:	1.4674e+01	1.4674e+01	8e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3229e+01	1.3233e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6692e+01	1.6694e+01	2e+00	5e-01	2e-15	4e-02
3:	1.7564e+01	1.7564e+01	4e-01	1e-01	3e-15	1e-02
4:	1.7810e+01	1.7810e+01	3e-02	1e-02	2e-15	8e-04
5:	1.7834e+01	1.7834e+01	3e-04	1e-04	1e-15	8e-06
6:	1.7834e+01	1.7834e+01	3e-06	1e-06	9e-16	8e-08
7:	1.7834e+01	1.7834e+01	3e-08	1e-08	1e-15	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.2749e+01	1.2753e+01	7e+00	2e+00	4e-16	2e-01
2:	1.7691e+01	1.7691e+01	6e-01	2e-01	2e-15	1e-02
3:	1.7993e+01	1.7993e+01	1e-02	3e-03	2e-15	3e-04

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4:  1.8000e+01  1.8000e+01  1e-04  3e-05  1e-15  3e-06
5:  1.8000e+01  1.8000e+01  1e-06  3e-07  1e-15  3e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  1.3822e+01  1.3824e+01  5e+00  2e+00  4e-16  1e-01
2:  1.7290e+01  1.7290e+01  1e+00  3e-01  3e-15  2e-02
3:  1.7881e+01  1.7881e+01  2e-01  5e-02  2e-15  4e-03
4:  1.7967e+01  1.7967e+01  2e-02  7e-03  2e-14  6e-04
5:  1.7978e+01  1.7978e+01  3e-03  9e-04  1e-14  7e-05
6:  1.7980e+01  1.7980e+01  4e-05  1e-05  1e-15  1e-06
7:  1.7980e+01  1.7980e+01  4e-07  1e-07  6e-15  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  1.2298e+01  1.2304e+01  6e+00  2e+00  7e-16  1e-01
2:  1.6269e+01  1.6271e+01  8e-01  2e-01  2e-15  2e-02
3:  1.6826e+01  1.6826e+01  5e-02  2e-02  2e-15  1e-03
4:  1.6854e+01  1.6854e+01  5e-04  2e-04  1e-15  1e-05
5:  1.6854e+01  1.6854e+01  5e-06  2e-06  1e-15  1e-07
6:  1.6854e+01  1.6854e+01  5e-08  2e-08  1e-15  1e-09
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  1.0620e+01  1.0627e+01  7e+00  2e+00  3e-16  2e-01
2:  1.4813e+01  1.4814e+01  1e+00  3e-01  1e-15  2e-02
3:  1.5320e+01  1.5321e+01  2e-01  7e-02  1e-15  5e-03
4:  1.5449e+01  1.5449e+01  4e-03  1e-03  1e-15  1e-04
5:  1.5451e+01  1.5451e+01  4e-05  1e-05  8e-16  1e-06
6:  1.5451e+01  1.5451e+01  4e-07  1e-07  8e-16  1e-08
Terminated (singular KKT matrix).
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  5e+01  1e+01  1e-16  1e+00
1:  1.1761e+01  1.1769e+01  6e+00  2e+00  7e-16  1e-01
2:  1.5125e+01  1.5129e+01  2e+00  8e-01  3e-15  6e-02
3:  1.6412e+01  1.6413e+01  5e-01  2e-01  2e-15  1e-02
4:  1.6774e+01  1.6774e+01  2e-02  6e-03  2e-15  5e-04
5:  1.6785e+01  1.6785e+01  2e-04  6e-05  1e-15  5e-06
6:  1.6785e+01  1.6785e+01  2e-06  6e-07  1e-15  5e-08
7:  1.6785e+01  1.6785e+01  2e-08  6e-09  1e-15  5e-10
Optimal solution found.
      pcost      dcost      gap      pres      dres      k/t
0:  0.0000e+00 -0.0000e+00  4e+01  1e+01  1e-16  1e+00
1:  1.4598e+01  1.4598e+01  4e+00  1e+00  4e-16  1e-01
2:  1.7479e+01  1.7479e+01  6e-01  2e-01  3e-15  2e-02
3:  1.7982e+01  1.7982e+01  2e-02  7e-03  5e-15  6e-04
4:  1.8000e+01  1.8000e+01  2e-04  7e-05  6e-15  6e-06
5:  1.8000e+01  1.8000e+01  2e-06  7e-07  7e-15  6e-08

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6: 1.8000e+01 1.8000e+01 2e-08 7e-09 9e-15 6e-10  
Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1242e+01	1.1249e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5618e+01	1.5621e+01	2e+00	6e-01	2e-15	4e-02
3:	1.6467e+01	1.6467e+01	4e-01	1e-01	9e-16	8e-03
4:	1.6661e+01	1.6661e+01	9e-02	3e-02	7e-16	2e-03
5:	1.6708e+01	1.6708e+01	1e-03	3e-04	4e-16	2e-05
6:	1.6709e+01	1.6709e+01	1e-05	3e-06	7e-16	2e-07
7:	1.6709e+01	1.6709e+01	1e-07	3e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3345e+01	1.3348e+01	6e+00	2e+00	1e-15	1e-01
2:	1.7151e+01	1.7153e+01	1e+00	4e-01	2e-15	3e-02
3:	1.7758e+01	1.7759e+01	3e-01	1e-01	2e-15	8e-03
4:	1.7877e+01	1.7877e+01	9e-02	3e-02	2e-14	2e-03
5:	1.7923e+01	1.7923e+01	2e-02	5e-03	3e-15	4e-04
6:	1.7930e+01	1.7930e+01	2e-04	6e-05	6e-15	4e-06
7:	1.7930e+01	1.7930e+01	2e-06	6e-07	3e-15	4e-08
8:	1.7930e+01	1.7930e+01	2e-08	6e-09	6e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3372e+01	1.3375e+01	5e+00	2e+00	7e-16	1e-01
2:	1.6352e+01	1.6354e+01	2e+00	6e-01	2e-15	5e-02
3:	1.7392e+01	1.7393e+01	5e-01	2e-01	3e-15	1e-02
4:	1.7747e+01	1.7747e+01	1e-02	4e-03	2e-15	3e-04
5:	1.7754e+01	1.7754e+01	1e-04	4e-05	1e-15	3e-06
6:	1.7754e+01	1.7754e+01	1e-06	4e-07	1e-15	3e-08
7:	1.7754e+01	1.7754e+01	1e-08	4e-09	2e-15	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3330e+01	1.3333e+01	5e+00	2e+00	4e-16	1e-01
2:	1.7507e+01	1.7508e+01	7e-01	2e-01	4e-15	2e-02
3:	1.7973e+01	1.7973e+01	5e-02	1e-02	1e-15	1e-03
4:	1.7996e+01	1.7996e+01	7e-03	2e-03	5e-14	2e-04
5:	1.8000e+01	1.8000e+01	7e-05	2e-05	3e-15	2e-06
6:	1.8000e+01	1.8000e+01	7e-07	2e-07	3e-15	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1917e+01	1.1925e+01	6e+00	2e+00	3e-16	1e-01
2:	1.6299e+01	1.6302e+01	2e+00	6e-01	5e-15	4e-02
3:	1.6788e+01	1.6790e+01	7e-01	2e-01	4e-15	2e-02
4:	1.7218e+01	1.7219e+01	2e-01	5e-02	1e-15	4e-03

5:	1.7289e+01	1.7289e+01	2e-03	6e-04	8e-16	4e-05
6:	1.7290e+01	1.7290e+01	2e-05	6e-06	6e-16	4e-07
7:	1.7290e+01	1.7290e+01	2e-07	6e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3955e+01	1.3956e+01	5e+00	2e+00	7e-16	1e-01
2:	1.7767e+01	1.7767e+01	4e-01	1e-01	4e-15	9e-03
3:	1.7998e+01	1.7998e+01	4e-03	1e-03	1e-15	9e-05
4:	1.8000e+01	1.8000e+01	4e-05	1e-05	2e-15	9e-07
5:	1.8000e+01	1.8000e+01	4e-07	1e-07	2e-15	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1539e+01	1.1546e+01	6e+00	2e+00	7e-16	1e-01
2:	1.4917e+01	1.4920e+01	2e+00	6e-01	3e-15	4e-02
3:	1.5951e+01	1.5952e+01	3e-01	8e-02	9e-16	6e-03
4:	1.6101e+01	1.6101e+01	2e-02	6e-03	1e-15	4e-04
5:	1.6110e+01	1.6110e+01	3e-04	9e-05	6e-15	7e-06
6:	1.6111e+01	1.6111e+01	3e-06	9e-07	2e-15	7e-08
7:	1.6111e+01	1.6111e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0240e+01	1.0249e+01	7e+00	2e+00	5e-16	2e-01
2:	1.4283e+01	1.4286e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5041e+01	1.5042e+01	4e-01	1e-01	9e-16	1e-02
4:	1.5297e+01	1.5297e+01	9e-03	3e-03	9e-16	2e-04
5:	1.5302e+01	1.5302e+01	9e-05	3e-05	9e-16	2e-06
6:	1.5302e+01	1.5302e+01	9e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3534e+01	1.3537e+01	5e+00	2e+00	6e-16	1e-01
2:	1.7607e+01	1.7607e+01	7e-01	2e-01	3e-15	2e-02
3:	1.7977e+01	1.7977e+01	4e-02	1e-02	3e-15	9e-04
4:	1.8000e+01	1.8000e+01	4e-04	1e-04	7e-16	9e-06
5:	1.8000e+01	1.8000e+01	4e-06	1e-06	7e-16	9e-08
6:	1.8000e+01	1.8000e+01	4e-08	1e-08	5e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4293e+01	1.4296e+01	5e+00	2e+00	5e-16	1e-01
2:	1.7510e+01	1.7511e+01	9e-01	3e-01	3e-15	2e-02
3:	1.8202e+01	1.8202e+01	1e-01	3e-02	2e-15	3e-03
4:	1.8261e+01	1.8261e+01	2e-03	5e-04	7e-16	4e-05
5:	1.8262e+01	1.8262e+01	2e-05	5e-06	6e-16	4e-07
6:	1.8262e+01	1.8262e+01	2e-07	5e-08	7e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4474e+01	1.4477e+01	5e+00	2e+00	6e-16	1e-01
2:	1.8103e+01	1.8104e+01	1e+00	3e-01	4e-15	3e-02
3:	1.8763e+01	1.8763e+01	2e-01	6e-02	5e-15	5e-03
4:	1.8860e+01	1.8860e+01	3e-02	8e-03	1e-15	6e-04
5:	1.8872e+01	1.8872e+01	3e-04	9e-05	2e-15	7e-06
6:	1.8872e+01	1.8872e+01	3e-06	9e-07	2e-15	7e-08
7:	1.8872e+01	1.8872e+01	3e-08	9e-09	6e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.3124e+01	1.3130e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6340e+01	1.6344e+01	2e+00	7e-01	3e-15	5e-02
3:	1.7926e+01	1.7926e+01	1e-01	4e-02	1e-15	3e-03
4:	1.7988e+01	1.7988e+01	1e-03	4e-04	6e-16	3e-05
5:	1.7989e+01	1.7989e+01	1e-05	4e-06	6e-16	3e-07
6:	1.7989e+01	1.7989e+01	1e-07	4e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.3203e+01	1.3209e+01	6e+00	2e+00	6e-16	1e-01
2:	1.6547e+01	1.6548e+01	1e+00	3e-01	3e-15	2e-02
3:	1.7250e+01	1.7251e+01	2e-01	7e-02	3e-15	5e-03
4:	1.7380e+01	1.7380e+01	3e-03	9e-04	1e-15	7e-05
5:	1.7381e+01	1.7381e+01	3e-05	9e-06	8e-16	7e-07
6:	1.7381e+01	1.7381e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4002e+01	1.4005e+01	6e+00	2e+00	3e-16	1e-01
2:	1.7483e+01	1.7485e+01	2e+00	6e-01	2e-15	4e-02
3:	1.8545e+01	1.8545e+01	3e-01	8e-02	2e-15	6e-03
4:	1.8729e+01	1.8729e+01	3e-03	9e-04	9e-16	6e-05
5:	1.8731e+01	1.8731e+01	3e-05	9e-06	1e-15	6e-07
6:	1.8731e+01	1.8731e+01	3e-07	9e-08	8e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2418e+01	1.2423e+01	7e+00	2e+00	5e-16	2e-01
2:	1.6947e+01	1.6949e+01	1e+00	4e-01	2e-15	3e-02
3:	1.7906e+01	1.7906e+01	2e-02	6e-03	1e-15	5e-04
4:	1.7919e+01	1.7919e+01	2e-04	6e-05	8e-16	5e-06
5:	1.7919e+01	1.7919e+01	2e-06	6e-07	1e-15	5e-08
6:	1.7919e+01	1.7919e+01	2e-08	6e-09	9e-16	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0886e+01	1.0894e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4747e+01	1.4750e+01	2e+00	5e-01	2e-15	4e-02
3:	1.5590e+01	1.5591e+01	3e-01	1e-01	1e-15	8e-03
4:	1.5810e+01	1.5810e+01	2e-02	5e-03	1e-15	4e-04
5:	1.5820e+01	1.5820e+01	2e-04	5e-05	1e-15	4e-06
6:	1.5820e+01	1.5820e+01	2e-06	5e-07	1e-15	4e-08
7:	1.5820e+01	1.5820e+01	2e-08	5e-09	1e-15	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3923e+01	1.3927e+01	6e+00	2e+00	4e-16	1e-01
2:	1.7126e+01	1.7127e+01	2e+00	5e-01	4e-15	4e-02
3:	1.8261e+01	1.8261e+01	1e-01	3e-02	2e-15	2e-03
4:	1.8334e+01	1.8334e+01	1e-03	3e-04	1e-15	3e-05
5:	1.8334e+01	1.8334e+01	1e-05	3e-06	8e-16	3e-07
6:	1.8334e+01	1.8334e+01	1e-07	3e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5239e+01	1.5240e+01	4e+00	1e+00	6e-16	1e-01
2:	1.8857e+01	1.8857e+01	2e-01	6e-02	3e-15	5e-03
3:	1.8998e+01	1.8998e+01	2e-03	6e-04	2e-15	5e-05
4:	1.9000e+01	1.9000e+01	2e-05	6e-06	3e-15	5e-07
5:	1.9000e+01	1.9000e+01	2e-07	6e-08	3e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4882e+01	1.4883e+01	5e+00	1e+00	6e-16	1e-01
2:	1.7972e+01	1.7972e+01	9e-01	3e-01	5e-15	2e-02
3:	1.8352e+01	1.8352e+01	2e-01	5e-02	1e-14	4e-03
4:	1.8456e+01	1.8456e+01	4e-02	1e-02	4e-15	1e-03
5:	1.8483e+01	1.8483e+01	5e-04	1e-04	2e-15	1e-05
6:	1.8483e+01	1.8483e+01	5e-06	1e-06	1e-15	1e-07
7:	1.8483e+01	1.8483e+01	5e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5198e+01	1.5199e+01	4e+00	1e+00	5e-16	1e-01
2:	1.8535e+01	1.8535e+01	6e-01	2e-01	3e-15	1e-02
3:	1.8976e+01	1.8976e+01	3e-02	9e-03	5e-15	7e-04
4:	1.9000e+01	1.9000e+01	3e-04	9e-05	2e-15	7e-06
5:	1.9000e+01	1.9000e+01	3e-06	9e-07	3e-15	7e-08
6:	1.9000e+01	1.9000e+01	3e-08	9e-09	2e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4788e+01	1.4789e+01	5e+00	2e+00	7e-16	1e-01

2:	1.8800e+01	1.8800e+01	3e-01	1e-01	3e-15	9e-03
3:	1.8976e+01	1.8976e+01	4e-02	1e-02	4e-15	1e-03
4:	1.9000e+01	1.9000e+01	4e-04	1e-04	8e-16	1e-05
5:	1.9000e+01	1.9000e+01	4e-06	1e-06	8e-16	1e-07
6:	1.9000e+01	1.9000e+01	4e-08	1e-08	8e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1871e+01	1.1881e+01	7e+00	2e+00	3e-16	1e-01
2:	1.4703e+01	1.4708e+01	2e+00	8e-01	3e-15	5e-02
3:	1.5824e+01	1.5828e+01	1e+00	4e-01	2e-15	3e-02
4:	1.5944e+01	1.5947e+01	9e-01	3e-01	2e-15	2e-02
5:	1.6372e+01	1.6373e+01	8e-02	3e-02	9e-16	2e-03
6:	1.6408e+01	1.6408e+01	1e-03	3e-04	9e-16	3e-05
7:	1.6408e+01	1.6408e+01	1e-05	3e-06	9e-16	3e-07
8:	1.6408e+01	1.6408e+01	1e-07	3e-08	7e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3201e+01	1.3206e+01	7e+00	2e+00	4e-16	2e-01
2:	1.7817e+01	1.7819e+01	1e+00	5e-01	2e-15	3e-02
3:	1.8258e+01	1.8259e+01	7e-01	2e-01	2e-15	2e-02
4:	1.8694e+01	1.8694e+01	2e-02	5e-03	6e-16	4e-04
5:	1.8702e+01	1.8702e+01	2e-04	5e-05	1e-15	4e-06
6:	1.8703e+01	1.8703e+01	2e-06	5e-07	8e-16	4e-08
7:	1.8703e+01	1.8703e+01	2e-08	5e-09	8e-16	4e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1873e+01	1.1882e+01	7e+00	2e+00	8e-16	1e-01
2:	1.5763e+01	1.5766e+01	1e+00	5e-01	2e-15	3e-02
3:	1.6342e+01	1.6344e+01	6e-01	2e-01	2e-15	1e-02
4:	1.6505e+01	1.6506e+01	3e-01	9e-02	5e-15	7e-03
5:	1.6670e+01	1.6670e+01	9e-03	3e-03	8e-16	2e-04
6:	1.6675e+01	1.6675e+01	9e-05	3e-05	8e-16	2e-06
7:	1.6675e+01	1.6675e+01	9e-07	3e-07	9e-16	2e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1078e+01	1.1091e+01	7e+00	2e+00	2e-15	2e-01
2:	1.5610e+01	1.5615e+01	2e+00	6e-01	5e-15	5e-02
3:	1.6128e+01	1.6132e+01	1e+00	3e-01	4e-15	3e-02
4:	1.6712e+01	1.6712e+01	2e-02	6e-03	3e-15	5e-04
5:	1.6721e+01	1.6721e+01	2e-04	6e-05	4e-15	5e-06
6:	1.6722e+01	1.6722e+01	2e-06	6e-07	3e-15	5e-08
7:	1.6722e+01	1.6722e+01	2e-08	6e-09	3e-15	5e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0853e+01	1.0864e+01	7e+00	2e+00	7e-16	2e-01
2:	1.5357e+01	1.5362e+01	2e+00	6e-01	2e-15	4e-02
3:	1.5957e+01	1.5960e+01	9e-01	3e-01	2e-15	2e-02
4:	1.6417e+01	1.6418e+01	1e-01	5e-02	8e-16	4e-03
5:	1.6479e+01	1.6479e+01	2e-03	6e-04	9e-16	5e-05
6:	1.6480e+01	1.6480e+01	2e-05	6e-06	1e-15	5e-07
7:	1.6480e+01	1.6480e+01	2e-07	6e-08	1e-15	5e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5056e+01	1.5057e+01	5e+00	1e+00	5e-16	1e-01
2:	1.8449e+01	1.8449e+01	7e-01	2e-01	2e-15	2e-02
3:	1.8977e+01	1.8977e+01	3e-02	9e-03	6e-15	7e-04
4:	1.9000e+01	1.9000e+01	3e-04	9e-05	3e-15	7e-06
5:	1.9000e+01	1.9000e+01	3e-06	9e-07	3e-15	7e-08
6:	1.9000e+01	1.9000e+01	3e-08	9e-09	4e-15	7e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5002e+01	1.5003e+01	5e+00	1e+00	5e-16	1e-01
2:	1.8048e+01	1.8048e+01	1e+00	3e-01	2e-15	3e-02
3:	1.8921e+01	1.8921e+01	9e-02	3e-02	3e-15	2e-03
4:	1.8962e+01	1.8962e+01	3e-02	1e-02	1e-13	8e-04
5:	1.8984e+01	1.8984e+01	2e-03	7e-04	8e-15	6e-05
6:	1.8985e+01	1.8985e+01	2e-05	8e-06	2e-14	6e-07
7:	1.8985e+01	1.8985e+01	2e-07	8e-08	1e-14	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.2307e+01	1.2316e+01	7e+00	2e+00	4e-16	1e-01
2:	1.5042e+01	1.5045e+01	2e+00	6e-01	3e-15	4e-02
3:	1.6078e+01	1.6080e+01	8e-01	3e-01	2e-15	2e-02
4:	1.6171e+01	1.6172e+01	6e-01	2e-01	2e-15	2e-02
5:	1.6518e+01	1.6518e+01	6e-02	2e-02	6e-16	1e-03
6:	1.6549e+01	1.6549e+01	2e-03	8e-04	5e-16	6e-05
7:	1.6550e+01	1.6550e+01	2e-05	8e-06	5e-16	6e-07
8:	1.6550e+01	1.6550e+01	2e-07	8e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2908e+01	1.2913e+01	7e+00	2e+00	7e-16	2e-01
2:	1.7100e+01	1.7103e+01	2e+00	7e-01	2e-15	5e-02
3:	1.7652e+01	1.7654e+01	9e-01	3e-01	3e-15	2e-02
4:	1.8152e+01	1.8153e+01	2e-01	8e-02	1e-15	6e-03
5:	1.8267e+01	1.8267e+01	3e-03	9e-04	1e-15	7e-05
6:	1.8268e+01	1.8268e+01	3e-05	9e-06	1e-15	7e-07
7:	1.8268e+01	1.8268e+01	3e-07	9e-08	1e-15	7e-09



Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1402e+01	1.1410e+01	9e+00	3e+00	6e-16	2e-01
2:	1.6068e+01	1.6071e+01	2e+00	6e-01	2e-15	4e-02
3:	1.7046e+01	1.7047e+01	4e-01	1e-01	7e-16	1e-02
4:	1.7220e+01	1.7220e+01	1e-02	4e-03	1e-15	3e-04
5:	1.7225e+01	1.7225e+01	1e-04	4e-05	8e-16	3e-06
6:	1.7225e+01	1.7225e+01	1e-06	4e-07	1e-15	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0989e+01	1.1002e+01	7e+00	2e+00	4e-16	2e-01
2:	1.4761e+01	1.4766e+01	2e+00	6e-01	3e-15	4e-02
3:	1.5578e+01	1.5580e+01	8e-01	2e-01	2e-15	2e-02
4:	1.5964e+01	1.5965e+01	1e-01	4e-02	9e-16	3e-03
5:	1.6027e+01	1.6027e+01	2e-03	5e-04	6e-16	4e-05
6:	1.6028e+01	1.6028e+01	2e-05	5e-06	8e-16	4e-07
7:	1.6028e+01	1.6028e+01	2e-07	5e-08	9e-16	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1067e+01	1.1078e+01	9e+00	3e+00	4e-16	2e-01
2:	1.5886e+01	1.5890e+01	1e+00	4e-01	3e-15	3e-02
3:	1.6556e+01	1.6556e+01	2e-01	6e-02	8e-16	5e-03
4:	1.6631e+01	1.6631e+01	2e-02	5e-03	7e-16	4e-04
5:	1.6638e+01	1.6638e+01	3e-03	1e-03	1e-15	8e-05
6:	1.6639e+01	1.6639e+01	8e-05	3e-05	2e-15	2e-06
7:	1.6639e+01	1.6639e+01	8e-07	3e-07	1e-15	2e-08
8:	1.6639e+01	1.6639e+01	8e-09	3e-09	6e-14	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2826e+01	1.2833e+01	6e+00	2e+00	3e-16	1e-01
2:	1.5576e+01	1.5581e+01	3e+00	9e-01	3e-15	6e-02
3:	1.6809e+01	1.6810e+01	7e-01	2e-01	2e-15	2e-02
4:	1.7321e+01	1.7321e+01	6e-02	2e-02	1e-15	2e-03
5:	1.7352e+01	1.7352e+01	7e-04	2e-04	7e-16	2e-05
6:	1.7352e+01	1.7352e+01	7e-06	2e-06	6e-16	2e-07
7:	1.7352e+01	1.7352e+01	7e-08	2e-08	6e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.3051e+01	1.3056e+01	6e+00	2e+00	5e-16	1e-01
2:	1.5808e+01	1.5810e+01	2e+00	6e-01	4e-15	4e-02
3:	1.7282e+01	1.7283e+01	9e-02	3e-02	1e-15	2e-03
4:	1.7329e+01	1.7329e+01	9e-04	3e-04	7e-16	2e-05
5:	1.7330e+01	1.7330e+01	9e-06	3e-06	8e-16	2e-07

6: 1.7330e+01 1.7330e+01 9e-08 3e-08 1e-15 2e-09  
 Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.0750e+01	1.0760e+01	9e+00	3e+00	3e-16	2e-01
2:	1.4553e+01	1.4557e+01	3e+00	1e+00	1e-15	7e-02
3:	1.6897e+01	1.6898e+01	3e-01	8e-02	2e-15	6e-03
4:	1.6971e+01	1.6971e+01	6e-02	2e-02	1e-15	1e-03
5:	1.6976e+01	1.6976e+01	4e-02	1e-02	1e-14	9e-04
6:	1.6991e+01	1.6991e+01	3e-03	8e-04	3e-15	6e-05
7:	1.6992e+01	1.6992e+01	4e-05	1e-05	2e-14	1e-06
8:	1.6992e+01	1.6992e+01	4e-07	1e-07	2e-14	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.1601e+01	1.1608e+01	7e+00	2e+00	5e-16	1e-01
2:	1.5717e+01	1.5719e+01	1e+00	3e-01	3e-15	2e-02
3:	1.6077e+01	1.6078e+01	4e-01	1e-01	2e-15	9e-03
4:	1.6279e+01	1.6279e+01	6e-03	2e-03	1e-15	1e-04
5:	1.6282e+01	1.6282e+01	6e-05	2e-05	8e-16	1e-06
6:	1.6282e+01	1.6282e+01	6e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.2074e+01	1.2086e+01	7e+00	2e+00	3e-16	2e-01
2:	1.5271e+01	1.5276e+01	2e+00	7e-01	3e-15	5e-02
3:	1.7101e+01	1.7102e+01	2e-01	7e-02	2e-15	5e-03
4:	1.7192e+01	1.7192e+01	3e-02	1e-02	1e-15	8e-04
5:	1.7207e+01	1.7207e+01	4e-04	1e-04	1e-15	1e-05
6:	1.7208e+01	1.7208e+01	4e-06	1e-06	9e-16	1e-07
7:	1.7208e+01	1.7208e+01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.5603e+01	1.5604e+01	4e+00	1e+00	5e-16	9e-02
2:	1.8952e+01	1.8952e+01	6e-02	2e-02	5e-15	1e-03
3:	1.9000e+01	1.9000e+01	6e-04	2e-04	3e-15	1e-05
4:	1.9000e+01	1.9000e+01	6e-06	2e-06	2e-15	1e-07
5:	1.9000e+01	1.9000e+01	6e-08	2e-08	3e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3389e+01	1.3394e+01	6e+00	2e+00	6e-16	1e-01
2:	1.6058e+01	1.6059e+01	2e+00	5e-01	2e-15	4e-02
3:	1.7295e+01	1.7295e+01	2e-01	7e-02	2e-15	6e-03
4:	1.7396e+01	1.7396e+01	2e-03	8e-04	7e-16	6e-05
5:	1.7397e+01	1.7397e+01	2e-05	8e-06	7e-16	6e-07
6:	1.7397e+01	1.7397e+01	2e-07	8e-08	6e-16	6e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2201e+01	1.2208e+01	7e+00	2e+00	4e-16	2e-01
2:	1.5370e+01	1.5374e+01	3e+00	9e-01	1e-15	6e-02
3:	1.7357e+01	1.7358e+01	2e-01	5e-02	2e-15	4e-03
4:	1.7432e+01	1.7432e+01	2e-03	6e-04	1e-15	4e-05
5:	1.7433e+01	1.7433e+01	2e-05	6e-06	9e-16	4e-07
6:	1.7433e+01	1.7433e+01	2e-07	6e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.3493e+01	1.3499e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6163e+01	1.6167e+01	3e+00	8e-01	3e-15	6e-02
3:	1.7488e+01	1.7489e+01	6e-01	2e-01	2e-15	2e-02
4:	1.7986e+01	1.7986e+01	5e-02	2e-02	2e-15	1e-03
5:	1.8013e+01	1.8013e+01	5e-04	2e-04	7e-16	1e-05
6:	1.8013e+01	1.8013e+01	5e-06	2e-06	7e-16	1e-07
7:	1.8013e+01	1.8013e+01	5e-08	2e-08	5e-16	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.3479e+01	1.3484e+01	6e+00	2e+00	6e-16	1e-01
2:	1.6585e+01	1.6587e+01	2e+00	7e-01	4e-15	5e-02
3:	1.8080e+01	1.8080e+01	2e-01	5e-02	2e-15	4e-03
4:	1.8196e+01	1.8196e+01	2e-03	5e-04	1e-15	4e-05
5:	1.8197e+01	1.8197e+01	2e-05	5e-06	1e-15	4e-07
6:	1.8197e+01	1.8197e+01	2e-07	5e-08	1e-15	4e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2844e+01	1.2849e+01	7e+00	2e+00	4e-16	2e-01
2:	1.7118e+01	1.7120e+01	1e+00	5e-01	1e-15	3e-02
3:	1.8029e+01	1.8030e+01	8e-02	3e-02	8e-16	2e-03
4:	1.8070e+01	1.8070e+01	8e-04	3e-04	5e-16	2e-05
5:	1.8070e+01	1.8070e+01	8e-06	3e-06	7e-16	2e-07
6:	1.8070e+01	1.8070e+01	8e-08	3e-08	8e-16	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3573e+01	1.3578e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6335e+01	1.6336e+01	1e+00	4e-01	5e-15	3e-02
3:	1.7122e+01	1.7122e+01	4e-01	1e-01	3e-15	1e-02
4:	1.7366e+01	1.7366e+01	5e-03	2e-03	8e-16	1e-04
5:	1.7369e+01	1.7369e+01	5e-05	2e-05	8e-16	1e-06
6:	1.7369e+01	1.7369e+01	5e-07	2e-07	1e-15	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1582e+01	1.1594e+01	7e+00	2e+00	3e-16	2e-01
2:	1.5219e+01	1.5221e+01	1e+00	4e-01	2e-15	3e-02
3:	1.6181e+01	1.6181e+01	2e-01	5e-02	2e-15	4e-03
4:	1.6263e+01	1.6263e+01	9e-03	3e-03	1e-15	2e-04
5:	1.6268e+01	1.6268e+01	9e-05	3e-05	5e-16	2e-06
6:	1.6268e+01	1.6268e+01	9e-07	3e-07	9e-16	2e-08
7:	1.6268e+01	1.6268e+01	9e-09	3e-09	3e-15	2e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4885e+01	1.4887e+01	5e+00	1e+00	6e-16	1e-01
2:	1.8217e+01	1.8217e+01	7e-01	2e-01	4e-15	2e-02
3:	1.8668e+01	1.8668e+01	8e-02	3e-02	4e-15	2e-03
4:	1.8718e+01	1.8718e+01	8e-04	3e-04	2e-15	2e-05
5:	1.8719e+01	1.8719e+01	8e-06	3e-06	2e-15	2e-07
6:	1.8719e+01	1.8719e+01	8e-08	3e-08	2e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	6e+01	2e+01	1e-16	1e+00
1:	8.7054e+00	8.7265e+00	8e+00	3e+00	3e-16	2e-01
2:	1.2926e+01	1.2929e+01	1e+00	4e-01	2e-15	2e-02
3:	1.3624e+01	1.3624e+01	2e-01	5e-02	5e-15	3e-03
4:	1.3720e+01	1.3720e+01	3e-02	9e-03	2e-15	6e-04
5:	1.3734e+01	1.3734e+01	3e-03	1e-03	1e-15	8e-05
6:	1.3736e+01	1.3736e+01	1e-04	4e-05	1e-15	3e-06
7:	1.3736e+01	1.3736e+01	1e-06	4e-07	1e-15	3e-08
8:	1.3736e+01	1.3736e+01	1e-08	4e-09	3e-13	3e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4833e+01	1.4835e+01	5e+00	1e+00	4e-16	1e-01
2:	1.8743e+01	1.8743e+01	4e-01	1e-01	3e-15	9e-03
3:	1.8974e+01	1.8974e+01	4e-02	1e-02	2e-15	9e-04
4:	1.9000e+01	1.9000e+01	4e-04	1e-04	1e-15	9e-06
5:	1.9000e+01	1.9000e+01	4e-06	1e-06	1e-15	9e-08
6:	1.9000e+01	1.9000e+01	4e-08	1e-08	9e-16	9e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.3133e+01	1.3140e+01	6e+00	2e+00	4e-16	1e-01
2:	1.6014e+01	1.6016e+01	2e+00	5e-01	3e-15	4e-02
3:	1.7284e+01	1.7285e+01	4e-01	1e-01	2e-15	9e-03
4:	1.7440e+01	1.7440e+01	4e-03	1e-03	7e-16	1e-04
5:	1.7442e+01	1.7442e+01	4e-05	1e-05	6e-16	1e-06
6:	1.7442e+01	1.7442e+01	4e-07	1e-07	7e-16	1e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
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0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4719e+01	1.4720e+01	5e+00	2e+00	5e-16	1e-01
2:	1.7829e+01	1.7830e+01	1e+00	3e-01	2e-15	3e-02
3:	1.8627e+01	1.8627e+01	9e-02	3e-02	4e-15	2e-03
4:	1.8699e+01	1.8699e+01	9e-04	3e-04	1e-15	2e-05
5:	1.8699e+01	1.8699e+01	9e-06	3e-06	1e-15	2e-07
6:	1.8699e+01	1.8699e+01	9e-08	3e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4116e+01	1.4119e+01	5e+00	2e+00	4e-16	1e-01
2:	1.7709e+01	1.7710e+01	2e+00	5e-01	3e-15	4e-02
3:	1.8452e+01	1.8453e+01	5e-01	1e-01	6e-15	1e-02
4:	1.8692e+01	1.8693e+01	9e-02	3e-02	1e-15	2e-03
5:	1.8737e+01	1.8737e+01	1e-03	4e-04	1e-15	3e-05
6:	1.8738e+01	1.8738e+01	1e-05	4e-06	1e-15	3e-07
7:	1.8738e+01	1.8738e+01	1e-07	4e-08	1e-15	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3914e+01	1.3917e+01	6e+00	2e+00	5e-16	1e-01
2:	1.8391e+01	1.8392e+01	8e-01	3e-01	4e-15	2e-02
3:	1.8662e+01	1.8663e+01	3e-01	1e-01	5e-15	8e-03
4:	1.8835e+01	1.8836e+01	6e-02	2e-02	1e-15	1e-03
5:	1.8865e+01	1.8865e+01	7e-04	2e-04	1e-15	2e-05
6:	1.8865e+01	1.8865e+01	7e-06	2e-06	1e-15	2e-07
7:	1.8865e+01	1.8865e+01	7e-08	2e-08	1e-15	2e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	9.1099e+00	9.1258e+00	9e+00	3e+00	4e-16	2e-01
2:	1.4399e+01	1.4402e+01	1e+00	4e-01	2e-15	3e-02
3:	1.5204e+01	1.5205e+01	1e-01	3e-02	1e-15	2e-03
4:	1.5259e+01	1.5259e+01	4e-03	1e-03	3e-15	9e-05
5:	1.5262e+01	1.5262e+01	4e-05	1e-05	1e-15	9e-07
6:	1.5262e+01	1.5262e+01	4e-07	1e-07	9e-16	9e-09

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	1.1901e+01	1.1910e+01	7e+00	2e+00	4e-16	1e-01
2:	1.4821e+01	1.4823e+01	2e+00	5e-01	2e-15	3e-02
3:	1.5511e+01	1.5513e+01	8e-01	3e-01	1e-15	2e-02
4:	1.5773e+01	1.5775e+01	5e-01	1e-01	1e-15	1e-02
5:	1.6028e+01	1.6028e+01	3e-02	1e-02	8e-16	8e-04
6:	1.6044e+01	1.6044e+01	3e-04	1e-04	7e-16	8e-06
7:	1.6044e+01	1.6044e+01	3e-06	1e-06	4e-16	8e-08
8:	1.6044e+01	1.6044e+01	3e-08	1e-08	5e-16	8e-10

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.3782e+01	1.3787e+01	6e+00	2e+00	5e-16	1e-01
2:	1.6885e+01	1.6887e+01	2e+00	7e-01	2e-15	6e-02
3:	1.7703e+01	1.7704e+01	8e-01	3e-01	4e-15	2e-02
4:	1.8032e+01	1.8033e+01	4e-01	1e-01	2e-15	1e-02
5:	1.8231e+01	1.8231e+01	1e-02	4e-03	9e-16	3e-04
6:	1.8238e+01	1.8238e+01	1e-04	4e-05	5e-16	3e-06
7:	1.8238e+01	1.8238e+01	1e-06	4e-07	7e-16	3e-08

Terminated (singular KKT matrix).

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	1.4921e+01	1.4922e+01	5e+00	1e+00	4e-16	1e-01
2:	1.7772e+01	1.7773e+01	1e+00	4e-01	4e-15	3e-02
3:	1.8480e+01	1.8480e+01	3e-01	1e-01	1e-14	8e-03
4:	1.8706e+01	1.8706e+01	4e-02	1e-02	2e-15	1e-03
5:	1.8723e+01	1.8723e+01	4e-04	1e-04	2e-15	1e-05
6:	1.8723e+01	1.8723e+01	4e-06	1e-06	1e-15	1e-07
7:	1.8723e+01	1.8723e+01	4e-08	1e-08	2e-15	1e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	2e+01	1e-16	1e+00
1:	8.3527e+00	8.3661e+00	8e+00	2e+00	4e-16	2e-01
2:	1.1895e+01	1.1901e+01	2e+00	7e-01	2e-15	5e-02
3:	1.2795e+01	1.2796e+01	5e-01	2e-01	1e-15	1e-02
4:	1.3084e+01	1.3084e+01	7e-02	2e-02	9e-16	2e-03
5:	1.3112e+01	1.3112e+01	1e-03	4e-04	9e-16	3e-05
6:	1.3112e+01	1.3112e+01	1e-05	4e-06	7e-16	3e-07
7:	1.3112e+01	1.3112e+01	1e-07	4e-08	5e-16	3e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	5e+01	1e+01	1e-16	1e+00
1:	1.2447e+01	1.2455e+01	6e+00	2e+00	6e-16	1e-01
2:	1.5621e+01	1.5624e+01	2e+00	6e-01	4e-15	4e-02
3:	1.7016e+01	1.7017e+01	2e-01	5e-02	2e-15	4e-03
4:	1.7078e+01	1.7078e+01	3e-03	9e-04	1e-15	7e-05
5:	1.7079e+01	1.7079e+01	3e-05	9e-06	1e-15	7e-07
6:	1.7079e+01	1.7079e+01	3e-07	9e-08	1e-15	7e-09

Optimal solution found.

	pcost	dcost	gap	pres	dres	k/t
0:	0.0000e+00	-0.0000e+00	4e+01	1e+01	1e-16	1e+00
1:	8.2427e-01	8.2427e-01	4e+00	1e+00	2e-16	9e-02
2:	9.9824e-01	9.9824e-01	4e-02	1e-02	1e-15	1e-03
3:	9.9998e-01	9.9998e-01	4e-04	1e-04	3e-16	1e-05
4:	1.0000e+00	1.0000e+00	4e-06	1e-06	4e-16	1e-07
5:	1.0000e+00	1.0000e+00	4e-08	1e-08	3e-16	1e-09

Optimal solution found.

```

-----
IndexError                                Traceback (most recent call last)
<ipython-input-13-be7024edb78f> in <module>
    26         dist = np.sqrt(np.sum(np.square(x-x0)))
    27         if dist <= 1e-3:
----> 28             S[n, k]+=1

IndexError: index 20 is out of bounds for axis 0 with size 20

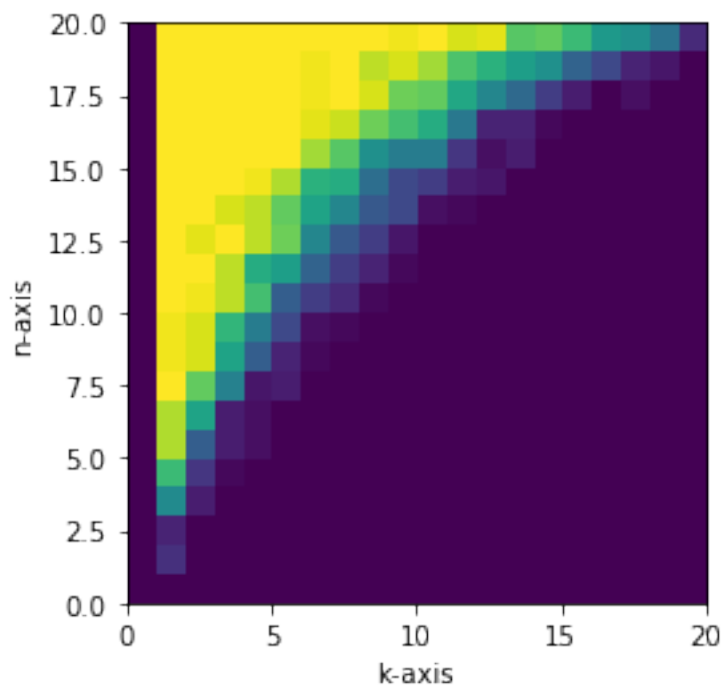
```

### 0.0.3 Visualization

```

[15]: S = S/50
plt.imshow(S, origin = 'lower', extent = [0, K, 0, N])
plt.xlabel('k-axis')
plt.ylabel('n-axis')
plt.show()

```



### 0.0.4 Interpretation

The brightness of each point reflects the observed probability of success, ranging from certain failure (indigo) to certain success (bright yellow). We can see clearly that there is a phase transition curve.

Under minimal assumptions, Theorem II of the reference paper proves that we always encounter a phase transition when we use the regularized formulation to solve the linear inverse problem

with random measurements. The transition occurs where the number of measurements equals the statistical dimension of the descent cone (please refer to the paper p.8 for the exact expression of descent cone). The shift from failure to success takes place over a range of about  $O(\sqrt{n})$  measurements. There are several reasons that the conclusions of Theorem II are significant. The first implication provides evidence about the minimum amount of information we need before we can use the convex method to solve the linear inverse problem. The second implication tells us that we can solve the inverse problem reliably once we have acquired this quantum of information.

[ ]: